

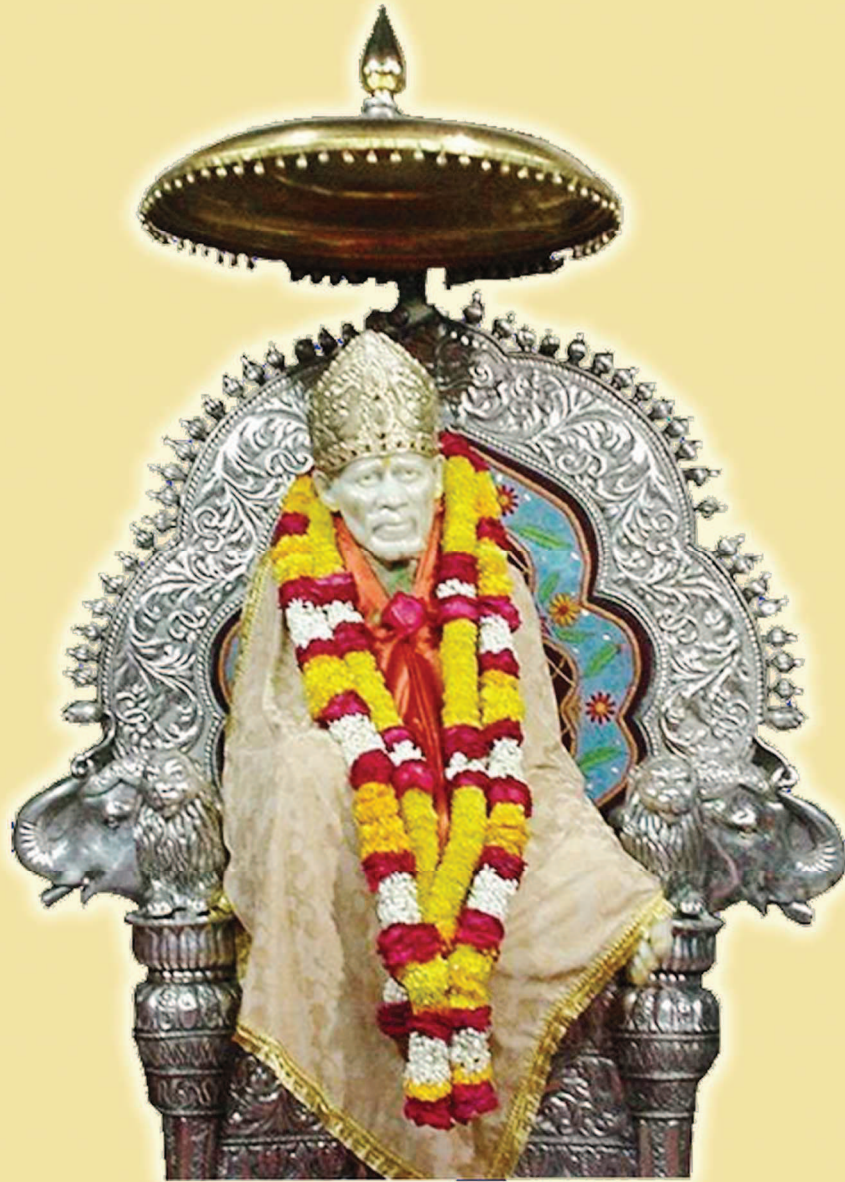
**SRI SAI BABA NATIONAL DEGREE AND PG COLLEGE**  
(AUTONOMOUS)  
ACCREDITED @ 'A' LEVEL BY NAAC  
'COLLEGE WITH POTENTIAL FOR EXCELLENCE' STATUS BY UGC  
ANANTAPUR - 515 001  
ANDHRA PRADESH



**SUBMITTED FOR REACCREDITATION  
TO**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
BANGALORE - 560 072**

**NOVEMBER 2012**



**THE PRESIDING DEITY OF THE INSTITUTION**

*The Soul that lived for the Institution*



*Late Sri Pirivaram Adinarayana Rao*  
Founder

# CONTENTS

	Page Nos.
<b>Preface and Executive Summary</b>	<b>1-22</b>
<b>Part – I Institutional Data</b>	<b>23-207</b>
<b>A) Profile of the Institution</b>	<b>23-35</b>
<b>B) Criterion-wise Analytical Report</b>	
1) Criterion – I: Curricular Aspects	<b>36-47</b>
2) Criterion – II: Teaching-Learning and Evaluation	<b>48-75</b>
3) Criterion – III: Research, Consultancy and Extension	<b>76-104</b>
4) Criterion – IV: Infrastructure and Learning Resources	<b>105-117</b>
5) Criterion – V: Student Support and Progression	<b>118-134</b>
6) Criterion – VI: Governance, Leadership and Management	<b>135-156</b>
7) Criterion – VII: Innovation and Best Practices	<b>157-167</b>
<b>C) Evaluative Reports of the Departments</b>	
1) Biotechnology	<b>168-169</b>
2) Botany	<b>170-171</b>
3) Chemistry	<b>172-173</b>
4) Commerce and Business Management	<b>174-176</b>
5) Computer Science	<b>177-180</b>
6) Economics	<b>181-182</b>
7) Electronics	<b>183-184</b>
8) English	<b>185-186</b>

9) Hindi	187
10) History	188-189
11) Mathematics	190-191
12) Microbiology	192-193
13) Physics	194-196
14) Political Science	197-198
15) Sanskrit	199-200
16) Statistics	201-202
17) Telugu	203-204
18) Zoology	205-207
<b>Part - II Departmental Profiles</b>	<b>001-119</b>

### **Appendices**

1) Glossary	
-------------	--

ॐ

सह नावतु  
सह नौ भुनक्तु  
सह वीर्यं करवावहै  
तेजस्विनावधीतमस्तु मा विद्विषावहै  
ॐ शान्तिः शान्तिः शान्तिः

-- कठोपनिषत्

Our illustrious Institution, with a rich legacy of holistic perception, upholds the following **five core values of education**, a mutual endeavour of the teacher and the student, as embedded in this renowned *shanthi manthra* from **the Katopanishad**.

- The knowledge which protects.
- The right fruits of knowledge.
- The knowledge which sustains and gives vigour and vitality.
- Illumination of purity and compassion.
- A relationship of mutual trust and affection without a trace of aversion or resentment.

## PREFACE AND EXECUTIVE SUMMARY

**Sri Sai Baba National Degree College (Autonomous)**, Anantapur, named after Sri Shiridi Sai Baba, is a premier institution of higher learning with the onerous objective of making undergraduate and post-graduate education available at an affordable fee to the rural and the underprivileged sections in general and to women students in particular in this backward region. As the Management of the college is able to create an excellent learning ambiance with a special emphasis on women students' safety and security through women supporting systems like Women Empowerment Cell, the parents are encouraged to admit their children to this college and as a result, the women students' strength has gone up to nearly 52% while the strength of women teaching staff has touched 42%.

The college was established in 1981 under the aegis of the Anantapur District National Education Trust, Anantapur, a registered body started by the late Sri Sirivaram Adinarayana Rao, whose ardent dream of imparting quality education is brilliantly achieved because of the relentless efforts of the present Management. With the dedicated and unstinted support from the Management and qualified and committed teachers, the Institution could make a humble beginning with a modest strength of 500 students, 9 departments and 15 staff members. The College has achieved remarkable growth with 2810 students, 18 undergraduate teaching departments, 6 PG departments and 87 teaching staff including 10 visiting faculty along with 49 members of non-teaching staff. The College is offering a wide range of traditional and self-financing undergraduate programmes with 15 Choice Based Inter Disciplinary Electives in Arts, Science, Commerce and Business Management, 9 add-on certificate courses in line with NSDC recommendations and postgraduate programmes in Mathematics, Electronics, Physics, Organic Chemistry, Analytical Chemistry, Bio-Technology and Commerce at very reasonable and affordable fees.

The College is located in the heart of the town in 7.42 acres with 98,632 sqft., academic area with the plans for expansion in the foreseeable future. Over the past four decades, the Management of the college embarked upon a systematic planned construction of buildings and creation of other facilities like classrooms, e-classrooms, student co-operative stores, four research centers, seminar halls, ICT center, computer center, laboratories, student evaluation division, library with accessibility to scholarly content through N-LIST program jointly executed by the UGC-INFONET digital library consortium, IGNOU Study Center, ANU Study Center, health center, women waiting room, canteen, restrooms and playgrounds. As computerization has gained momentum, all the departments including student evaluation division and administrative wings have been computerized with internet connectivity. High capacity green generator, safe drinking water facility and fire security system ensure uninterrupted power supply, potable water and fire protection respectively.

Our Institution conducts its educational programmes through a set of courses and combinations. These programmes reflect the goals of the Institution and the needs of the students. Bestowed with the unique distinction of **Autonomous** status (2005), **'A' grade accreditation by NAAC** (2007) and with **College with Potential for Excellence** status by UGC (2010), this College has freedom to design its own

curricula and flexibility through the Boards of Studies to include additional inputs of local and contemporary relevance and value addition. These courses and combinations are in tune with the changed educational scenario both at national and international levels.

The College has embraced the semester system with its own academic calendar, annual teaching plan and evaluation blue print. Learning is made more student-centric with participatory ICT-enabled innovative teaching methods practiced by the faculty for improved student learning and holistic development. The student evaluation is done through continuous internal assessment with 25% weightage and semester-end external evaluation with 75% weightage employing transparent procedures to monitor the academic progress relentlessly.

Though research is the main activity of Universities, the College promotes research at various levels to create research culture on the campus. Research has emerged as a thrust area with the majority of teaching staff have pursued their doctoral degrees, published a number of research articles in national and international journals and participated and presented research papers at seminars conducted by various organizations at national and international levels. There are four science departments with S.K.University- recognized Research Centers for pursuing M.Phil., and Ph.Ds. and Research Projects sponsored by funding agencies like the UGC.

The College teachers offer free consultancy services to the community around, the private sector and Govt. and Non-Governmental Organizations. The College has taken significant lead in extension activities as it has been extensively undertaking various service activities through NSS, NCC, ECO Club, Red Ribbon Club, and two social arms – Sai Allied Grameen Empowerment (SAGE) and Women Empowerment Cell (WEC). The staff and the students are actively participating in community outreach programmes to inculcate values in the students and to establish rapport with the community around.

Our highly qualified, experienced and committed teachers and administrative team extend support to the students through student mentoring, career counselling and placement services, imparting life skills, free-ships, scholarships and aid to poor students from **Sai Benevolent Fund (SBF)**, remedial coaching, coaching for competitive examinations, health services, internships, grievance redressal, **Women Empowerment Cell (WEC)** and encouraging participation in extra-curricular activities leading to their all-round development.

The Management of the College has been ever supportive and forward looking in academic and administrative matters. The institute follows sound managerial policies and practices in governance, leadership and management. The quality management and sustenance strategies are evolved and implemented in all academic and administrative aspects in post accreditation scenario. The IQAC adopted institutionalized quality assurance strategies through conduct of seminars and workshops on student expectations, responsibilities and participation in quality measures, threats and constraints. The Principal and teaching staff are given full freedom regarding academic work and functioning. Adverse impact of the

Government policy of not filling up the vacancies caused by the retirements and demise of the staff is minimized through management appointees in all departments.

The institution conducts green audit and makes the campus eco-friendly by sensitizing all the stakeholders to environmental issues, viz. plantation, energy conservation, rain water harvesting, exploring the possibilities of using renewable energy sources and waste disposable mechanisms. The college adopts innovative practices in teaching, learning, evaluation, administration and student support services. Thus, the college is a model of Best Practices with a visible impact on the quality of the educational services of the institution.

Armed with Autonomy and with robust optimism, the College has encountered many a phenomenon all these 31 years. As a growing institution, it undertakes periodical exercises to reassess its direction in post NAAC scenario and the efficacy of its efforts, so as to readjust its focus and pursue the predetermined goals with redoubled vigour. Preparation of **Self-Study Report for Reaccreditation** has enabled the Institution to use it like a '**rear view mirror**' to reinforce its efforts, to smoothen rough edges, to redefine its priorities and to harness fresh energy to go head serving the student community confidently.

An attempt is made in the following pages to present the recommendations of NAAC peer team and Autonomous review committee and their compliance, the SWOC analysis of the institution, profile of the institution, criterion-wise analytical report and evaluative reports of the departments.

## RECOMMENDATIONS OF NAAC PEER TEAM AND AUTONOMOUS REVIEW COMMITTEE AND COMPLIANCE

Recommendations	Compliance
<b>NAAC PEER TEAM (2007)</b>	
<ul style="list-style-type: none"> <li>• Organize more seminars and workshops.</li> <li>• Promote more endowments.</li> <li>• Create corpus fund to extend financial assistance to poor students in self financing courses.</li> <li>• Special coaching for girls in sports activities.</li> <li>• Create research corpus fund to provide seed money.</li> <li>• Complete computerization of the library.</li> <li>• Separate competition center with the support of alumni.</li> <li>• Formalize placement services.</li> <li>• Offer need based add-on certificate courses.</li> <li>• Revise syllabi to meet the needs of competitive examinations.</li> </ul>	<ul style="list-style-type: none"> <li>• Organized 16 National Level seminars/ workshops funded by UGC, APSCHE and other agencies.</li> <li>• Number of endowments increased from 11 (Rs.2,33,975) to 23 (Rs.9,13,625) .</li> <li>• Sai Benevolent Fund (SBF) accumulated to the tune of Rs. 2,92,000/-.</li> <li>• Special coaching in sports and games for girls by consultant women coach resulted in overall championship consecutively for three years.</li> <li>• CALL for seed money through Industry-Academia meet.</li> <li>• Complied with.</li> <li>• Efforts have been initiated.</li> <li>• Career guidance and placement cell is created with financial assistance by UGC Merged Scheme Grant.</li> <li>• Nine add-on certificate courses are being offered, which are in line with NSDC recommendations.</li> <li>• Syllabus revised to include needs of competitive examinations.</li> </ul>

<b>AUTONOMOUS REVIEW COMMITTEE (2011)</b>	
<ul style="list-style-type: none"> <li>• Adopt innovative teaching practices to make learning student centric.</li> <li>• Award of internal marks for co-curricular activities.</li> <li>• Introduce CBCS.</li> <li>• Offer multiple electives.</li> <li>• Replace the courses which are not in demand.</li> <li>• Introduce skill based courses and integrate communication skills with curriculum.</li> </ul>	<ul style="list-style-type: none"> <li>• Student centric ICT enabled teaching-learning being practiced funded by UGC CPE grant.</li> <li>• Assignments, seminars and student study projects made mandatory with 25% weightage.</li> <li>• 15-Choice Based Interdisciplinary Electives (CBIDE) introduced with letter grade.</li> <li>• Respective BOS resolved to introduce multiple electives in the last semester of the course.</li> <li>• Governing Body resolved to start restructured courses to meet the local needs.</li> <li>• Co-curricular activities are made mandatory with due weightage and supplemented by regular PDP programmes.</li> </ul>

## THE SWOC ANALYSIS

“**Know thyself**” is a celebrated maxim. The criterion-wise self-introspection through SWOC analysis of the Institution with an active involvement of all stakeholders is carried out as a first step in preparation of Self Study Report for Reaccreditation.

## CURRICULAR ASPECTS

### Strengths

- Wide range of options with nine grant-in-aid traditional, Twelve self-financing UG courses with Fifteen Choice Based Inter-Disciplinary Electives with letter grade system, Seven PG courses and Nine Add-on Certificate Courses including JKC certified career oriented programs, which are in line with the National Skill Development Corporation (NSDC) recommendations in identified areas.
- Curriculum is made more relevant and fine-tuned to meet the demands of knowledge acquisition, skill development, translatability to employment and

participation in socio-economic development of the nation with enhanced social awareness.

- Curriculum design ensuring innovation and research outlook.
- Revised and updated syllabus from time to time with local and contemporary relevance.
- Active role of IQAC for quality sustenance in curriculum design through feedback from all stakeholders.
- Citizenship Education as a compulsory subject to transform students as responsible citizens.

### **Weaknesses**

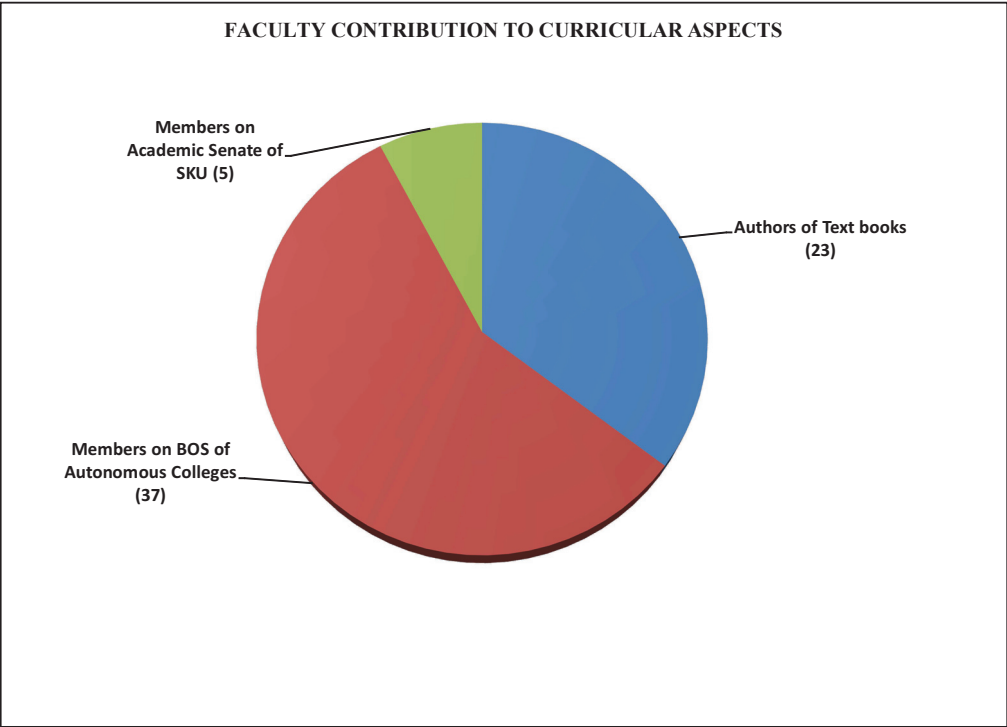
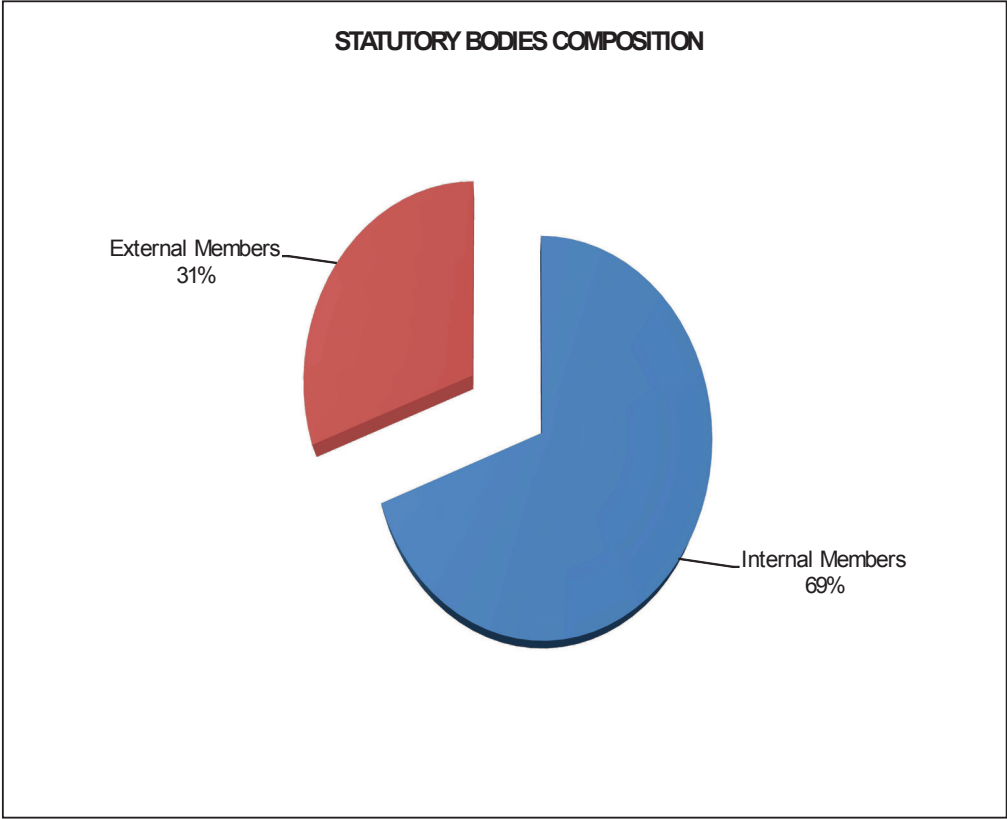
- The topics pertaining to women empowerment, youth development, adult education, legal literacy and value based education are not adequately focused in the existing curriculum.
- Inadequate number of Electives to avoid disproportionate ratio between the teachers and students.
- Horizontal mobility for the students is not possible under the existing system.
- Although highly desirable, CBCS could not be introduced in true letter and spirit because deviation from “three major system” will reduce the options in the vertical mobility to the students. The students under CBCS rated on a 5 point or 10 point scale need to be compared with a student obtaining marks in percentage from majority colleges in the catchment area, which creates problems in deciding selection criteria for higher education.
- The system is yet to find satisfactory answers to introduce programmes targeted to international students and programmes for other-wise-abled students.
- College could not introduce dual degree and twinning programmes.
- There is a certain component in the syllabus at UG level provided through the agency of the state, over which the institution has no control.

### **Opportunities**

- Scope to conduct periodical surveys scientifically among local firms to ascertain the needs of the employers to redesign curriculum accordingly.
- Introduction of innovative courses to incubate the entrepreneurial ideas of students through MOUs.
- Scope to increase number of Choice Based Inter-Disciplinary Electives.

### **Challenges**

- Starting twinning programmes and programmes targeted to international students.
- Starting courses in emerging fields.
- Achieving consensus on credit transfer.
- Difficulty in integrating the curriculum with competitive exams syllabus in toto.



## **TEACHING-LEARNING AND EVALUATION**

### **Strengths**

- Transparent admission process as per the Govt. policy.
- Periodical student profiles analysis for admission process improvement.
- Govt. Scholarships for 90% of the enrolled students for improved access to the underprivileged.
- Bridge courses to match with the prerequisites of the course concerned.
- Remedial coaching for slow learners and participants in extra-curricular activities.
- Study to monitor the incremental academic growth of underprivileged.
- Beyond syllabus inputs to advanced learners.
- Above 80% pass outs in all the years.
- Management sponsored gold medals to meritorious students.
- Transparent Teacher selection process, healthy academic ambience and comprehensive HR policy to attract and retain talent.
- UGC sponsored Faculty Enrichment programmes to energize.
- Vibrant IQAC for enhanced quality and sustenance.
- Faculty with proficiency in research and consultancy, state and national level recognition on rolls.
- Eminent visiting faculty for beyond syllabus coverage for better vertical mobility.
- ICT-enabled multidimensional innovative teaching practices for making students conceptually sound and matching their skills with demands of 21<sup>st</sup> century.
- Mentoring and counselling system to address and redress the personal, socio-economic and peer-issues of students.
- Evaluation of teachers by the students and alumni.
- Assignments/seminars/quiz/study projects are made mandatory with due weightage.

### **Weaknesses**

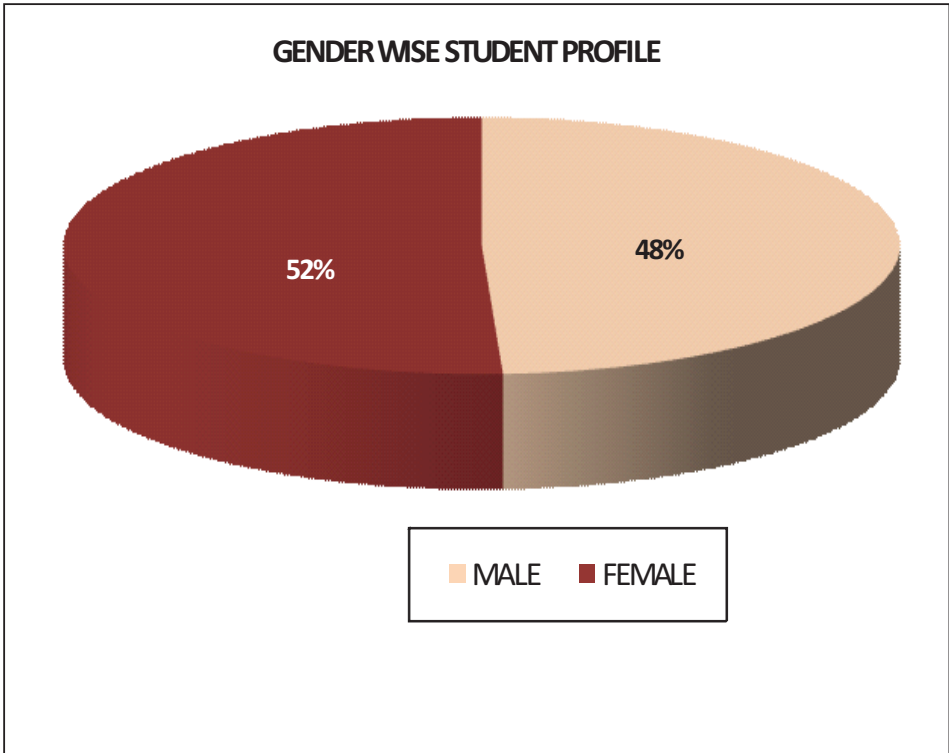
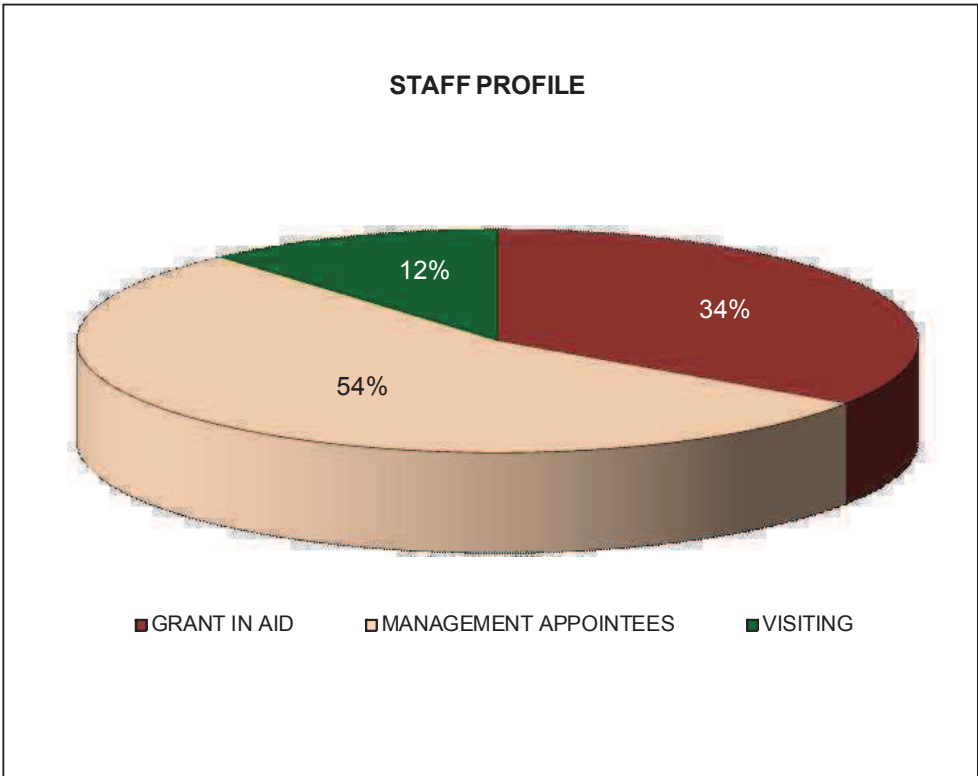
- Absence of complete replacements of grant-in-aid teachers on their retirement.
- Appointment and retention of competent faculty.
- Gap between target and practice in adopting multidimensional innovative teaching methods.
- Majority students with Telugu medium background and moderate comprehension find it difficult to adapt themselves in participative teaching-learning practices.
- Deteriorating book reading habit in view of increased access to the pointers of information.

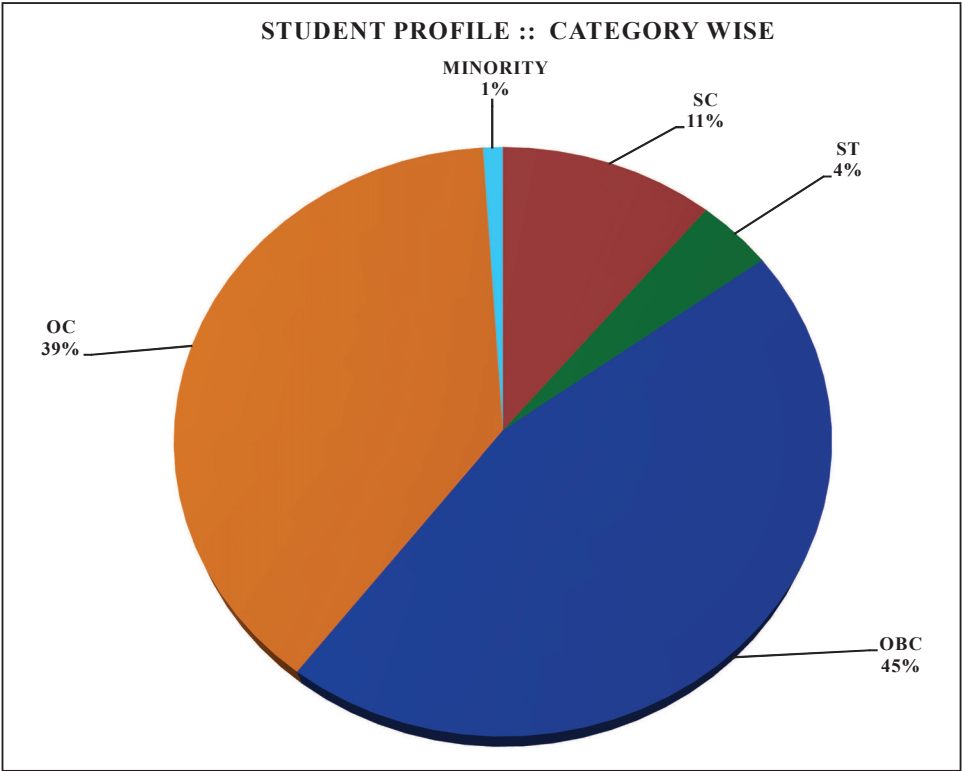
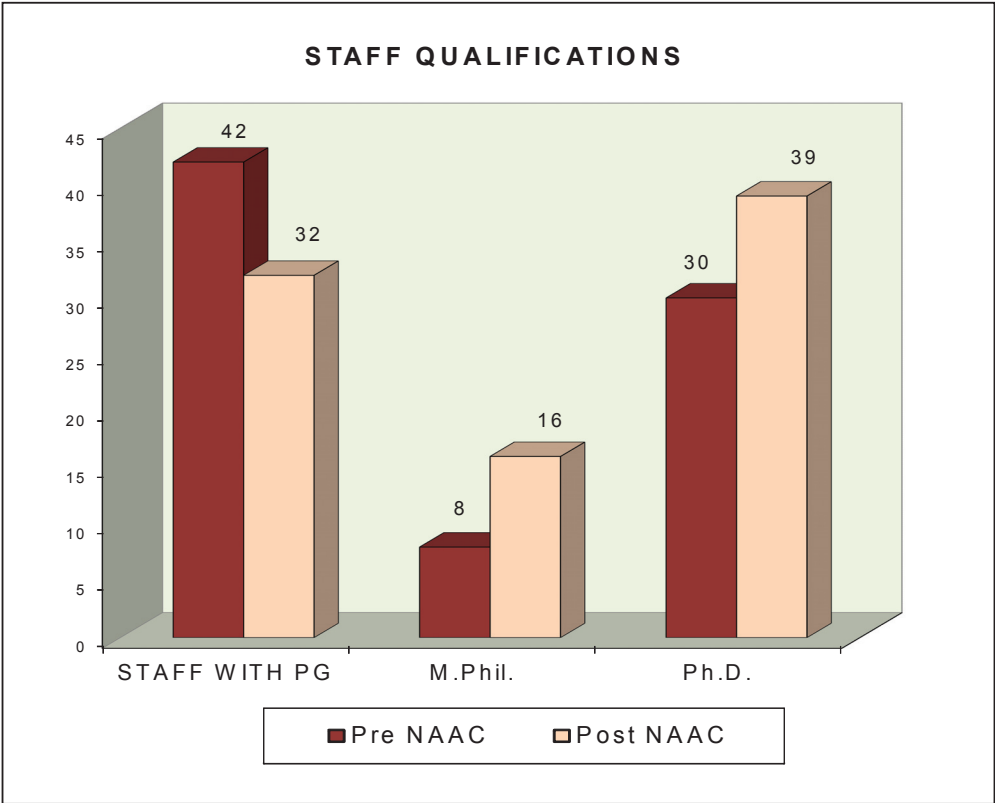
## **Opportunities**

- **Providing necessary parallel inputs and orientation for PGCET / NET / SLET / GATE.**
- **Promoting interactive teaching-learning practices.**
- **Moving towards case based teaching-learning.**
- **Effective addressing the needs of differential requirements.**
- **Evolving logical frame work for qualitative assessment.**
- **Introducing on-demand exam / on line exam.**

## **Challenges**

- **Difficult to integrate the teaching-learning practices with competitive exams orientation.**
- **Practical constraints in bringing revolutionary reforms in evaluation.**
- **Mitigating external interferences to adhere to academic schedule.**





## **RESEARCH, CONSULTANCY AND EXTENSION**

### **Strengths**

- Four research centres and student allotment through RECET.
- 39 Doctorates including 17 Research Supervisors on rolls.
- 29 Ph.Ds., and 124 M.Phils., guided and ongoing.
- 02 UGC sponsored major and one minor research projects.
- 192 papers published, 195 papers presented and 28 Textbooks published.
- 16 sponsored National seminars/workshops/conferences organized.
- Evolving Interdisciplinary research.
- 05 MOUs in greenhorn stage.
- Call for seed money through industry-academia meet.
- UGC sponsored Lab-to-Land, leadership training programmes, PDP and health camps.
- National, state and regional level recognition for research and extension.
- 04 NSS volunteers participated in RD and 16 in Pre-RD parades.
- 70 NCC cadets with “C” certificates and 210 with “B” certificates.
- 04 NCC cadets participated in Independence Day celebrations at Secunderabad.
- 22 NCC cadets and 18 NSS volunteers participated in National Integration Camps.
- Two social arms - SAGE and WEC.

### **Weaknesses**

- Dearth of time for research due to prioritized teaching schedule.
- Paucity of funds to carry out the quality research to attain patents and national level recognition.
- Low scope for paid consultancy due to less industrialization around.

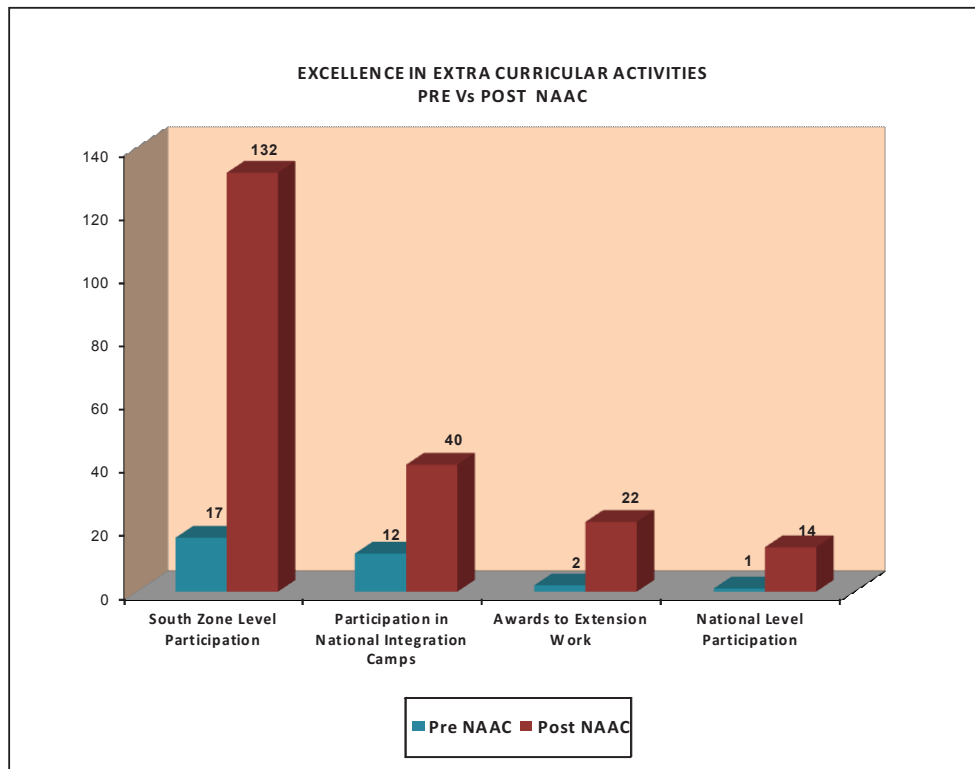
### **Opportunities**

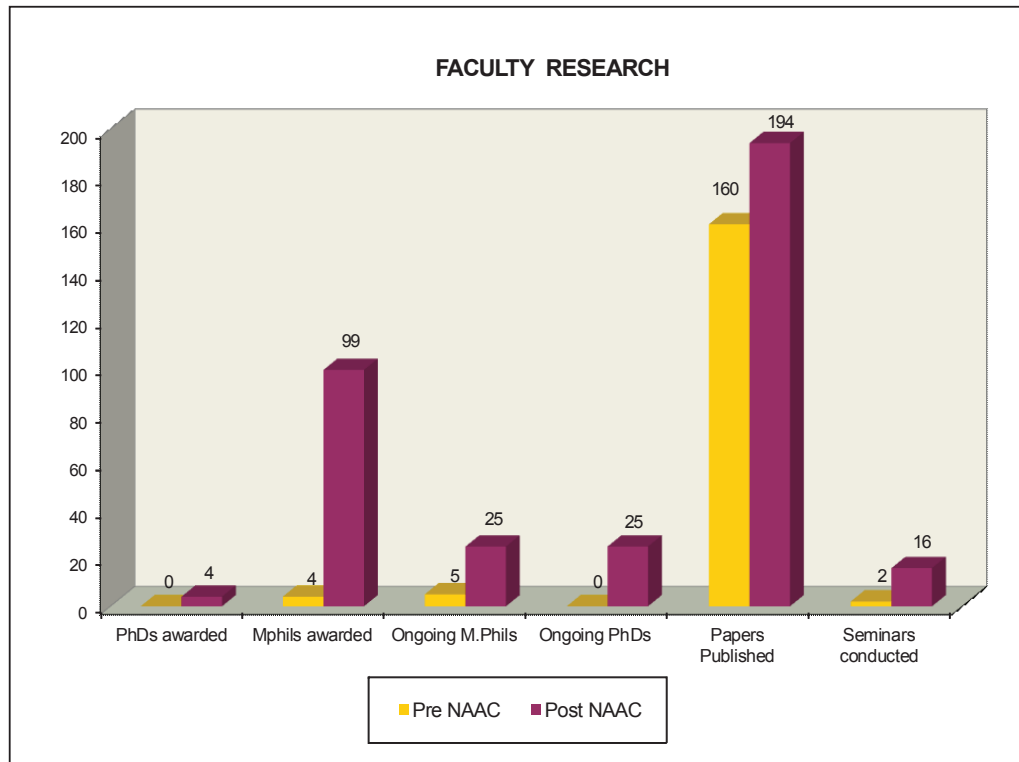
- Raising seed money with a CALL to local entrepreneurs by addressing their issues.
- Exploring the possibilities for paid consultancy and collaborative research with national and international institutes.
- Establishing research centers in humanities and strengthening existing RCs.
- Fund-raising and collaborations with local NGOs to extend community services to the needy.

### **Challenges**

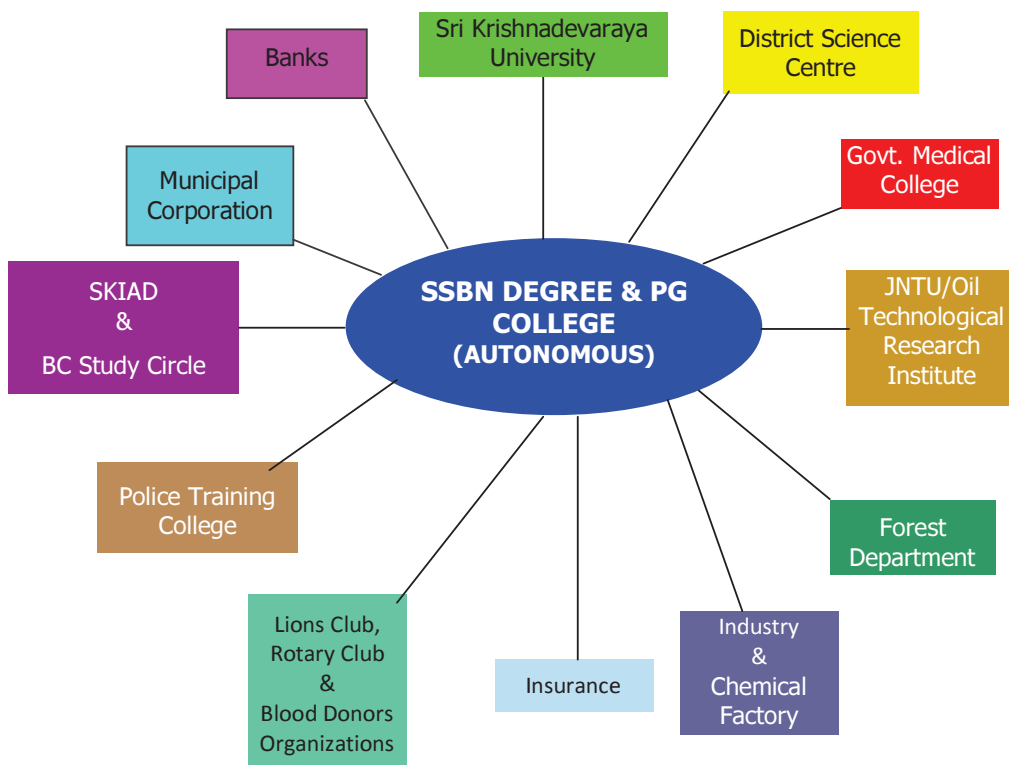
- Local political interference in adopted villages to carry out extension activities.
- Research in issues relating to emerging fields.

- Courses with moderate focus on skill orientation dominated by prerequisites of vertical mobility leading to low scope for paid consultancy services.
- Achievement of higher impact rating for the published work.





## LOCAL LINKAGES



## **INFRASTRUCTURE AND LEARNING RESOURCES**

### **Strengths**

- Policy of liberality for optimal utilization of resources.
- State-of-the-art infrastructure in laboratories, Research Centres, seminar halls, e-classrooms, ICT Centre, Computer Centre and library.
- Broadband (2Mbps) internet connectivity to all the departments.
- Central library with barcoded accession management, browsing and subsidized reprography facility and inter library loans through autonomous consortium.
- Accessibility to E-Resources@N-LIST, e-books, scholarly journals and AV content.
- Flexibility in lending rules and fines.
- Computer Center and library accessible even after working hours and on holidays.
- Well-stocked departmental libraries.
- Technology powered innovative learning resources.
- Proportionate sports and games infrastructure and women consultant coach.
- Health Centre, furnished women waiting room, hygienic canteen, profit-free student consumer co-operative stores and well maintained restrooms.
- Accessibility to distance education through Open University Study Centers.

### **Weaknesses**

- Lack of Central Instrumentation Centre due to no consensus.
- Pressure from society for increasing student intake to the detriment of polity.
- Paucity of funds and socio-economic status of the student are hurdles to move towards virtual libraries and virtual labs.
- Availability of good social welfare hostels and students tendency to commute the distance from home to college in view of their economic situation are a constraint to start campus hostels.
- Lack of space is a constraint for construction of indoor stadium and laying athletic track.

### **Opportunities**

- High speed connectivity with national knowledge network.
- Increased access to e-journals and other e-resources.
- Institutionalized incentives to encourage holistic development of student.
- Establishing proportionate number of e-class rooms and smart class rooms.
- Campus-wide wireless connectivity.
- Further Strengthening of departmental libraries.

## **Challenges**

- Mobilizing abundant funds required to meet increased demand in establishing state-of-the-art learning resources and sports infrastructure giving international exposure.
- Institutionalizing proven maintenance management practices.

## **STUDENT SUPPORT AND PROGRESSION**

### **Strengths**

- Student mentoring - An integral institutionalized activity.
- Special care to slow learners and additional inputs to the advanced learners.
- 90% students covered by free-ships and scholarships.
- 23 endowment scholarships with Rs.9,13,625 fund.
- 37% of students progression to higher education.
- Sizeable number of selections to state and central services and corporate sector.
- Two times consecutively overall championships and three times consecutively women all round championships in intercollegiate sports and games meet.
- Effective mechanism for grievance redressal.
- Participation of large number of student contingent in extracurricular activities at south zone and national levels.
- Sai Benevolent Fund to provide financial aid to the needy students.
- Women Empowerment Cell - A social arm to empower women students.
- Democratic involvement of Students in academic and administrative aspects.

### **Weaknesses**

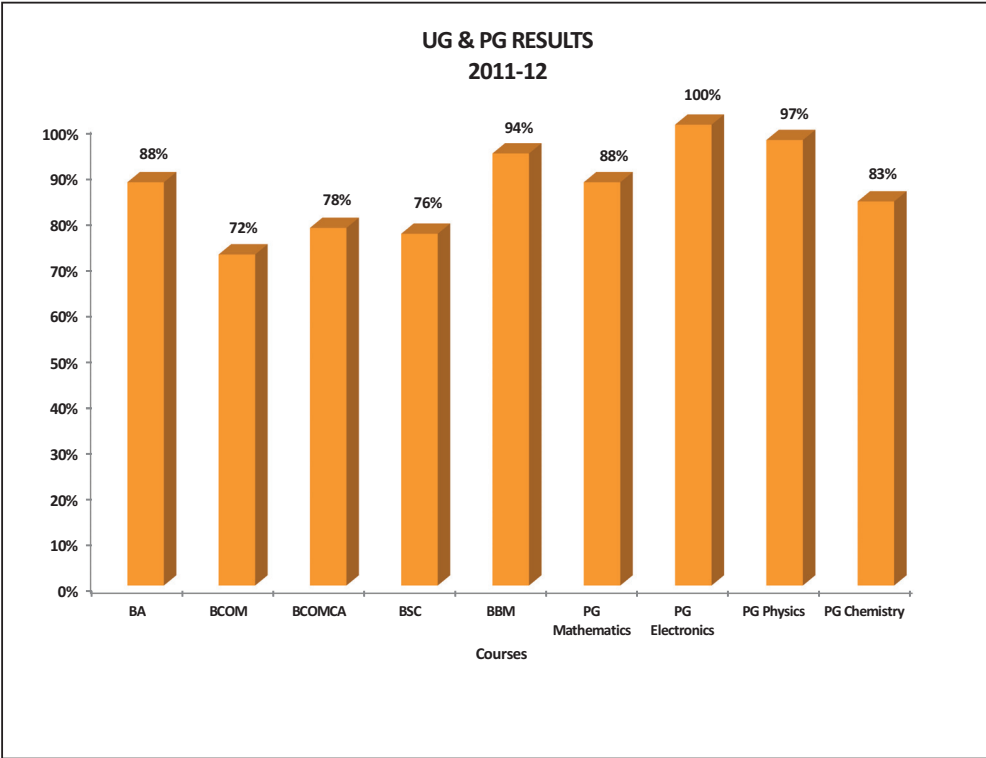
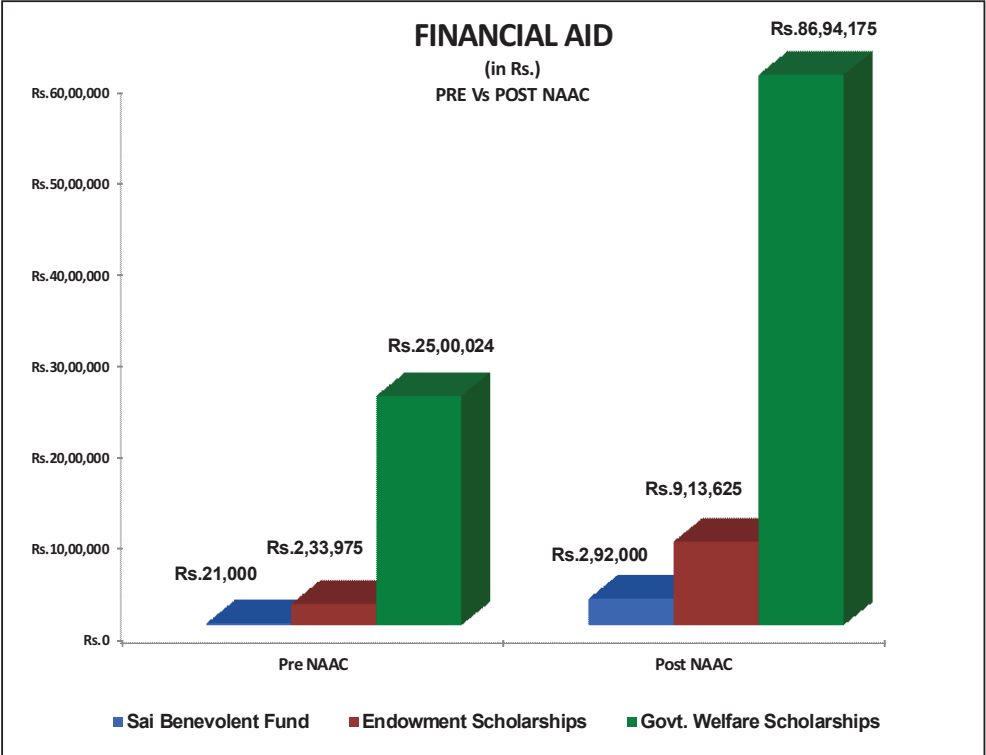
- Inadequate focus on placement services.
- Disproportionate resources to the intake of student strength.

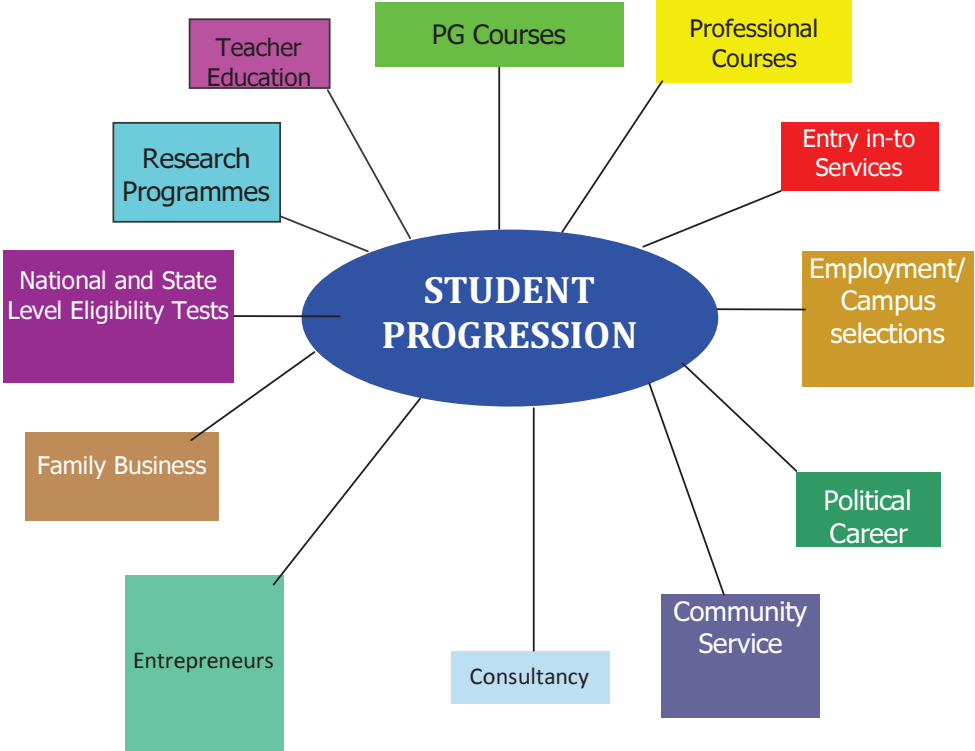
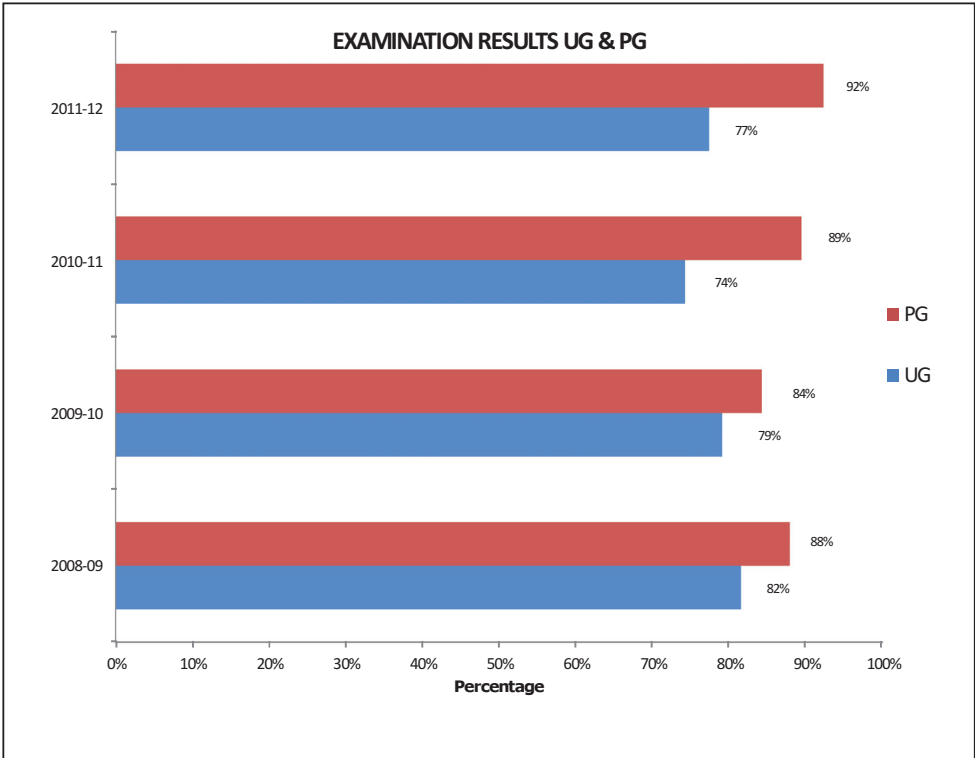
### **Opportunities**

- Enhanced involvement of alumni association.
- Conducting campus drives to improve placement services.

### **Challenges**

- Mobilizing funds to improve student support services.
- Mitigating issues related to empowerment of women students.





## **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **Strengths**

- Clearly defined vision, mission and goals with transparency in governance.
- Coherent internal organizational structure with high degree of decentralization.
- Leadership involvement in organizational development cycle by involving all stakeholders to reinforce culture of excellence.
- Intermittent leadership training and gender sensitization programmes.
- Strategy development and deployment through a comprehensive quality policy made by IQAC.
- Participative management culture at three levels.
- Fostering global competencies and inculcating value system among students.
- Promoting the use of technology 'for excellence'.
- Contributing to national development through out-reach programs with a sense of social responsibility.
- Consistent efforts to promote professional development of the staff.
- 360<sup>0</sup> Performance Appraisal systems.
- Effective talent attraction and retention strategies.
- Time-proven accounting and audit practices.
- Resource mobilization from all cross sections of the society and funding agencies.
- Periodic academic audits.

### **Weaknesses**

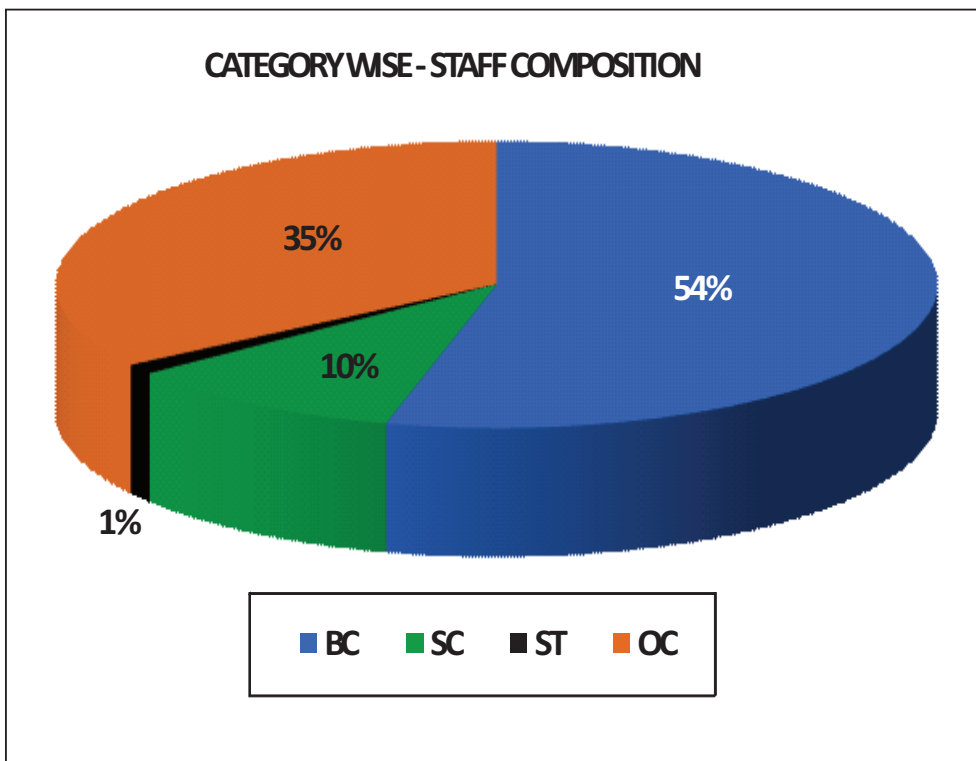
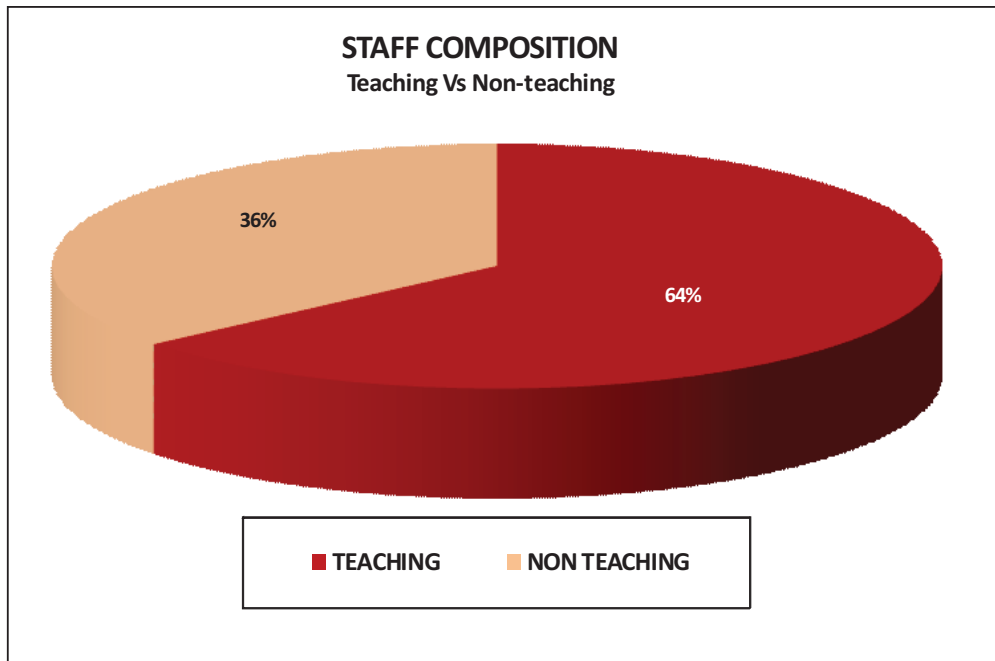
- Lack of government initiative in filling vacancies caused by retirements and deaths.
- Gap between targets and practice in achieving global competence among students.
- Disproportionate coverage for leadership programmes.

### **Opportunities**

- Scope to improve quality in teaching-learning practices with orientation programmes and workshops.
- Scope to enhance transparency in governing and administrative practices.
- Improved mode of grievance redressal.

### **Challenges**

- Pursuing Govt. to provide teaching and administrative replacements caused by retirements and deaths.
- Lobbying through public representatives for Govt. aid to meet increased demands in aided institutions with an amendment to the state education policy.
- Restructuring the courses to attract the international students.



## INNOVATION AND BEST PRACTICES

### Strengths

- Involvement of all stakeholders in evolving innovative mechanisms.
- Positive role by all patrons in environmental management aspects.
- Student centric and useful best practices to empower and transform them into national assets for future generation.

### Weaknesses

- Lack of 'will' on the part of the majority of the elite.
- Initial resistance in adopting innovative strategies and best practices.

### Opportunities

- Scope to evolve and practice more number of model best practices which can be emulated by others in this region.
- Further scope to elicit institutional legacy and spirits in innovation and best practices.

### Challenges

- Arid weather conditions as constraint in managing environmental issues effectively.
- Not easily traceable inequalities and disparities in the external environment.

The Institutional-consolidated SWOC analysis as carried out above enables us to identify our areas of strengths to build up on them further and weaknesses to implement suitable remedies to rectify them. Each and every individual on the campus got an opportunity to assess his/her work and its purpose and focus. In this context, preparation for NAAC reaccreditation helps us to explore new frontiers of knowledge, improve the qualities and talents and skills of the students. This assessment also provides us an opportunity to introduce innovative methods and technology in academic, administrative, evaluation and student support services to offer high quality education, which is the need of the hour, along with environmental scanning to take stock of challenges.

**PART - I**

# **PROFILE OF THE INSTITUTION**

## PROFILE OF THE AUTONOMOUS COLLEGE

### 1. Name and address of the College :

**Name** : SRI SAI BABA NATIONAL DEGREE & PG COLLEGE (AUTONOMOUS)  
**Address**: Opp. ZP OFFICE, HOSPITAL ROAD  
**City** : ANANTAPUR - 515001  
**State** : ANDHRA PRADESH  
**URL** : www.ssbnc.in

### 2. For communication :

Name & Designation	Telephone with STD code	Mobile	Fax	Email
Dr.K.Nirmalamma Principal	O: 08554 - 244585 R: 08554 - 242436	9866653580	08554-249809	prinssbn@gmail.com
Dr. R. Karunakar Reddy Vice Principal	O: 08554 - 244585	9441505317		
<b>STEERING COMMITTEE</b>				
Dr.B.Siva Rama Krishna Coordinator	O: 08554 - 244585	9493193488	08554-249809	prinssbn@gmail.com
Dr.N.Ravisankar Member		7207281496		
Dr.U.Venkata Ramana Member		9985841120		
M.Murali Mohan Reddy Member		9849465114		

### 3. Status of the Autonomous College by management.

- i. Government Private - Government - Aided  
 ii. Private  
 iii. Constituent College of the University

### 4. Name of University to which the College is Affiliated

SRI KRISHNADEVARAYA UNIVERSITY, ANANTAPUR
--

### 5. a. Date of establishment, prior to the grant of 'Autonomy' (dd/mm/yyyy)

07/09/1981
------------

### b. Date of grant of 'Autonomy' to the College by UGC: (dd/mm/yyyy)

27/01/2005
------------

### 6. Type of institution:

#### a. By Gender

- i. For Men   
 ii. For Women   
 iii. Co-education

<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

- b. By shift
- i. Regular
  - ii. Day
  - iii. Evening
- c. Source of funding
- i. Government
  - ii. Grant-in-aid
  - iii. Self-financing
  - iv. Any other (Please specify)

7. Is it a recognized minority institution?

Yes  No

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

8. a. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (If any)
i. 2 (f)	19-01-1992	--
ii. 12 (B)	19-01-1992	--

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE, NCTE, MCI, DCI, PCI, RCI etc.)--

Under Section/clause	Day, Month and Year	Validity	Programme / Institution	Remarks
--	--	--	--	--

(Enclose the Certificate of recognition/approval)

9. Has the College been recognized

a. By UGC as a 'College with Potential for Excellence'(CPE)?

Yes  No

If yes, date of recognition : 18-03-2010 (dd/mm/yyyy)

b. For its contributions/performance by any other governmental agency?

Yes  No

If yes, Name of the agency :  
Date of recognition: (dd/mm/yyyy)

**10. Location of the campus and area:**

<b>Location *</b>	SEMI-URBAN
<b>Campus area in sq. mts or acres</b>	7.42 Acres
<b>Built up area in sq. mts.</b>	98,632 sq.ft.

**11. Does the College have the following facilities on the campus (Tick the available facility)? In case the College has an agreement with other agencies in using such facilities provide information on the facilities covered under the agreement.**

- Auditorium/seminar complex
- Sports facilities
 

play ground	2.50 Acres
swimming pool	
gymnasium	
- Hostel
 

Boys' hostels	---
Girls' hostels	---
- Residential facilities
 

for teaching staff	---
for non-teaching staff	---
- Cafeteria
- Health centre –
 

First aid facility	<input checked="" type="checkbox"/>
Inpatient facility	<input type="checkbox"/>
Outpatient facility	<input type="checkbox"/>
ambulance facility	<input type="checkbox"/>
emergency care facility	<input type="checkbox"/>

Health centre staff –

Qualified doctor	Full time	<input type="checkbox"/>	Part-time	<input checked="" type="checkbox"/>
Qualified Nurse	Full time	<input type="checkbox"/>	Part-time	<input checked="" type="checkbox"/>
- Other facilities
 

Bank	<input type="checkbox"/>
ATM	<input type="checkbox"/>
post office	<input type="checkbox"/>
book shops	<input checked="" type="checkbox"/>
- Transport facilities
 

for students	---
for staff	---

- Power house
- Waste management facility

**12. Details of programmes offered by the institution: (Give data for current academic Year - 2012-2013)**

S. No	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned /approved Student intake	No. of students admitted	
<b>1</b>	<b>UG</b>							
	Grant-in-Aid courses	B.A.	3 Years	Inter	TM	80	79	
		B.Com	"	"	EM&TM	60 + 60	148	
		B.Sc.						0
		M.P.C.	"	"	"	40 + 40	75	
		M.P.S.	"	"	"	40 + 40	74	
		B.Z.C.	"	"	"	40 + 40	117	
	Self-funding courses	M.P.C.s	"	"	EM only	40	80	
		M.S.C.s	"	"	"	40	67	
		M.E.C.s	"	"	"	40	73	
		Bt.M.Che.	"	"	"	40	19	
		B.Com (Comp. App)	"	"	"	40	76	
B.B.M.	"	"	"	"	50	55		
<b>TOTAL</b>						<b>863</b>		
<b>2</b>	<b>PG</b>							
	M.Sc.	Maths	2 Years	B.Sc.	EM only	48	44	
		Physics	"	"	"	36	18	
		Electronics	"	"	"	36	27	
		Org. Chem.	"	"	"	36	23	
	M.Com.	Commerce	"	B.Com.	"	48	48	
<b>TOTAL</b>						<b>160</b>		
<b>3</b>	<b>Integrated Masters</b>							
<b>4</b>	<b>M.Phil.</b>							
		Life Sciences	18 Months	M.Sc.	"	As per university allotment	04	
		Maths & Physical Sciences	"	"	"		08	
		Lang. & Humanities	"	M.A./ M.Com	"		13	
<b>TOTAL</b>						<b>25</b>		
<b>5</b>	<b>Ph.D.</b>							
		Maths, Physical sciences & Electronics	3 years	M.Sc./ M.Phil	"	As per university allotment	20	
		Lang. & Humanities	"	M.A./ M.Com	"		05	
<b>TOTAL</b>						<b>25</b>		

<b>6</b>	<b>Integrated Ph.D.</b>						
<b>7</b>	<b>Certificate courses</b>	Soft Skills	6 Months	Any degree	”	Open registrations	85
		Clinical Micro Biology	6 Months	B.Sc. Life Science	”		42
		Accounting Executive Course (Tally)	6 Months	B.Com / BBM	”		87
		<b>TOTAL</b>					<b>214</b>
<b>8</b>	<b>Diploma</b>						
<b>9</b>	<b>PG Diploma</b>						
<b>10</b>	<b>Any other (please Specify)</b>	15 Choice Based Inter Disciplinary Electives	Full Semester	Inter	EM+TM	60 in each	60

**13. Does the institution offer self-financed Programmes?**

Yes  No

If yes, how many?

**14. Whether new programmes have been introduced during the last five years?**

Yes  No

If yes

**15. List the departments: (Do not list facilities like library, Physical Education as departments unless these are teaching departments and offer programmes to students)**

Particulars		Number	Number of Students (2012-2013)
Science	Under Graduate	<b>11</b>	<b>1336</b>
	Post Graduate	<b>05</b>	<b>227</b>
	Research centre(s)	<b>04</b>	<b>12 M.Phils., + 20 Ph.Ds.,</b>
Arts	Under Graduate	<b>03</b>	<b>211</b>
	Post Graduate		
	Research centre/Dept.(s)	<b>01</b>	<b>1 M.Phils., + 1 Ph.Ds.,</b>

Commerce & BBM	Under Graduate	01	724
	Post Graduate	01	48
	Research centre/Dept.(s)	01	2 M.Phils.,
Any Other (please specify) Languages	Under Graduate	04	1585
	Post Graduate		
	Research centre/Dept.(s)	01	10 M.Phils., + 4 Ph.D.,

16. Are there any UG and/or PG programmes offered by the College, which are not covered under Autonomous status of UGC? Give details.

No.

17. Number of Programmes offered under (Programme means a degree course like BA, MA, BSc, M.Sc., B.Com etc.)

a. annual system	-
b. semester system	11
c. trimester system	-

18. Number of Programmes with

a. Choice Based Credit System	-
b. Inter/multidisciplinary approach	-
c. Choice Based InterDisciplinary Electives - CBIDE	15

19. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled )

(a) including the salary component	Rs. 15063.92
(b) excluding the salary component	Rs. 4576.73

20. Does the College have a department of Teacher Education offering NCTE recognized degree programmes in Education?

Yes  No

If yes,

a. How many years of standing does the department have?

..... years

**b. NCTE recognition details (if applicable)**

**Notification No.:** .....

**Date:** ..... (dd/mm/yyyy)

**c. Is the department opting for assessment and accreditation separately?**

Yes  No

**21. Does the College have a teaching department of Physical Education offering NCTE recognized degree programmes in Physical Education?**

Yes  No

If yes,

**a. How many years of standing does the department have?**

..... years

**b. NCTE recognition details (if applicable)**

**Notification No.:** .....

**Date:** ..... (dd/mm/yyyy)

**c. Is the department opting for assessment and accreditation separately?**

Yes  No

**22. Whether the College is offering professional programme?**

Yes  No

**If yes, please enclose approval / recognition details issued by the statutory body governing the programme.**

**23. Has the College been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.**

Yes. The college has been reviewed by affiliating university, NAAC and UGC Autonomous review committee. Copies of all the reports and their compliance are enclosed.

**24. Number of teaching and non-teaching positions in the College**

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University / State Govt <i>Recruited</i> <i>Yet to recruit</i>	--	--	23	05	01	01	08	04	11	03
Sanctioned by the Management/Society or other authorized bodies <i>Recruited</i> <i>Yet to recruit</i>	--	--	--	--	23	24	10	07	06	--

\*M-Male \*F-Female

**25. Qualifications of the teaching staff**

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Lit.	--	--	--	--	--	--	--
Ph.D.	--	--	19	03	--	--	22
M.Phil.	--	--	04	02	--	--	06
PG	--	--	--	--	01	01	02
<b>Management Appointees</b>							
Ph.D.	--	--	--	--	04	03	07
M.Phil.	--	--	--	--	06	04	10
PG	--	--	--	--	13	17	30
<b>Part-time teachers</b>							
Ph.D.	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--

**26. Number of Visiting Faculty/ Guest Faculty engaged by the college.** 10

**27. Students enrolled in the College during the current academic year, with the following details:**

Students	UG		PG		Integrated Masters		M.Phil.		Ph.D.		Integrated Ph.D.		D.Litt. / D.Sc.		Certificate		Diploma		PG Diploma	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
From the state where the College is located	420	424	71	89	--	--	16	09	15	10	--	--	--	--	110	104	--	--	--	--
From other states of India	09	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NRI students	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Foreign students	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>429</b>	<b>434</b>	<b>71</b>	<b>89</b>			<b>16</b>	<b>09</b>	<b>15</b>	<b>10</b>				<b>110</b>	<b>104</b>					

\*M-Male F-Female

**28. Dropout rate in UG and PG (average for the last two batches)**

UG  PG

**29. Number of working days during the last academic year.**

**30. Number of teaching days during the last academic year**

**31. Is the College registered as a study centre for offering distance education programmes for any University?**

Yes  No

If yes, provide the

a. Name of the University

b. Is it recognized by the Distance Education Council?

Yes  No

c. Indicate the number of programmes offered.

## 32. Provide Teacher-student ratio for each of the programme/course offered

S. No	Programme Level	Name of the Programme/ Course	Teacher – Student Ratio	
1	<b>UG</b>			
	Grant-in-Aid courses	B.A.	1:70	
		B.Com	1:80	
		<b>B.Sc.</b>		
		M.P.C.	1:39	
		M.P.S.	1:40	
		B.Z.C.	1:43	
	Self-funding courses	M.P.Cs	1:47	
		M.S.Cs	1:50	
		M.E.Cs	1:47	
		Bt.M.Che.	1:15	
		B.Com (Comp. App)	1:60	
		BBM	1:45	
2	<b>PG</b>			
	M.Sc.	Maths	1:17	
		Physics	1:20	
		Electronics	1:25	
		Org. Chem.	1:15	
	M.Com.	Commerce	1:17	

## 33. Is the College applying for?

Accreditation : Cycle 1  Cycle 2  Cycle 3  Cycle 4

Re-Assessment:

## 34. Date of accreditation\* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1 : 31-03-2007 (dd/mm/yyyy) Accreditation outcome/results

Cycle 2 : .....(dd/mm/yyyy) Accreditation outcome/results

Cycle 3 : .....(dd/mm/yyyy) Accreditation outcome/results

\* Kindly enclose copy of accreditation certificate(s) and peer team report(s)

Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

## 35. a. Date of establishment of Internal Quality Assurance Cell (IQAC)

06-07-2007 (dd/mm/yyyy)

### b. Dates of submission of Annual Quality Assurance Reports (AQARs).

- (i) AQAR for year 2008-2009 on 12-04-2010 (dd/mm/yyyy)
- (ii) AQAR for year 2009-2010 on 30-03-2012 (dd/mm/yyyy)
- (iii) AQAR for year 2010-2011 on 30-03-2012 (dd/mm/yyyy)
- (iv) AQAR for year 2011-2012 on 12-08-2012 (dd/mm/yyyy)

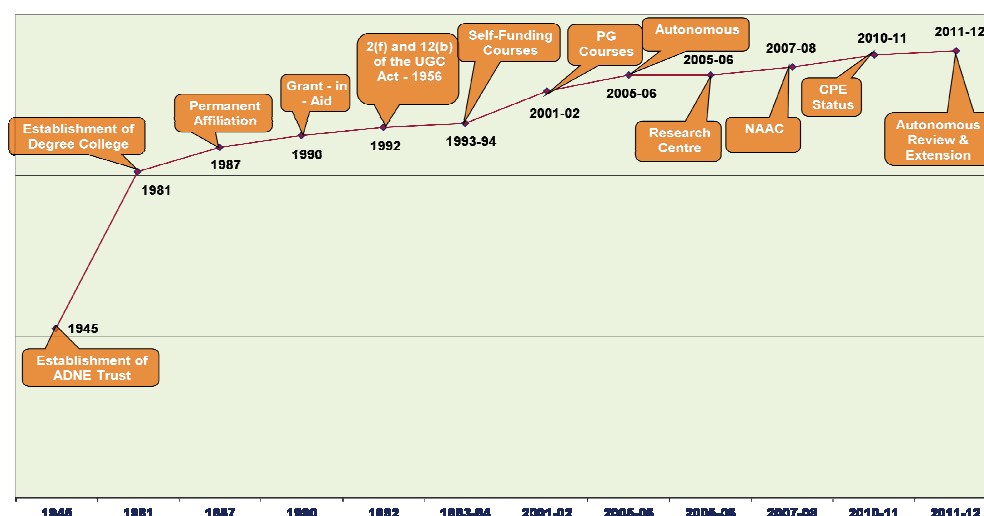
36. Any other relevant data, the College would like to include. (Not exceeding one page)

### TIME LINE

The College named after **Sri Shiridi Sai Baba** was established in October 1981 under the aegis of the **Anantapur District National Education (ADNE) Trust**, Anantapur, which was started by the late **Sri Sirivaram Adinarayana Rao** in 1945. A voluntary organization, the trust comprising the intellectual elite from all sections of the town, committed to service to society in this backward region of Rayalaseema. The foremost aim of the Trust is to make quality education available to all at a very reasonable and affordable fee in the District in general and to the poor and underprivileged sections in the rural and the suburbs in particular. This august motto has been well served by all the successive managements for the past seven decades.

The Institution was started as an ordinary elementary School in 1944 in thatched huts with scanty infrastructure facilities. As a result of the relentless and unstinting efforts of the successive managements and sustained efforts of the teachers, this small Institution, in course of time, grew into a Junior College and later a Degree and PG College. This way, this tiny Institution has now extraordinarily grown into a gigantic edifice of a full-fledged Degree College, having PG Courses, Research Centers and excellent infrastructure imparting quality education in Humanities, Commerce and Sciences. Thus the long-cherished dream of this backward region of Rayalaseema to have a premier Educational Institution in the private sector was fulfilled.

### Milestones



Today, the Institution has about 87 experienced, competent and committed teaching faculty including 39 doctorates and 49 well-trained and highly motivated non-teaching Staff catering to the needs of 2732 students including 1420 women. The teachers of this College have made a mark in their respective areas of teaching by conducting and participating in National and International seminars, publishing articles in the reputed International and National journals, magazines and newspapers. They are also actively engaged in research work with 4 Research Centres in Science departments of the college. As many as 25 teachers are acting as Research Supervisors guiding M.Phil. and Ph.D. scholars of various universities in the country. The College teachers are also actively involved in voluntary consultancy services including community service. In recognition of their exemplary performance, the Government of Andhra Pradesh has honored 7 of the teaching staff with the **State Best Teacher Awards**.

The college has been a hallmark of quality education supported by dynamic, richly experienced, highly competent management, committed teachers and excellent infrastructure. With a view to keep pace with knowledge explosion and to give employment orientation to education, the college has started diversified modern self-financing courses. Yet, the traditional courses are made equally useful. It has achieved a vertical quantum of leap with the introduction of PG and Add-on certificate courses. Thus the college has lived up to the expectations and notwithstanding its constraints has become eligible for the status of an autonomous college.

Inspired by the academic success, the Degree College entered into a new phase of its educational life when the **University Grants Commission (UGC), New Delhi**, granted Autonomy in 2005-2006. Impressed by its all round performance, the Autonomous Review Committee which visited the college in December 2011, extended Autonomy up to 2016-2017. Thus the college has earned a unique distinction of being the only autonomous college in the district. The other milestones of the Institution include **'A' Grade** by **National Assessment and Accreditation Council (NAAC), New Delhi** in 2007 and the **College with Potential for Excellence** status by UGC in 2010.

The Autonomous status and NAAC's grading have given the college academic flexibility and intellectual freedom to design its own curricula, of course, with certain limitations. They have also provided the right opportunity to undertake an extensive critical analysis of our systems and arrive at a realistic image of our institution, greatly strengthening and providing it a right opportunity to frame a challenging and comprehensive curriculum for the advanced learners to pave the way for seeking admission into the premier Institutions of Higher Learning. It should supplement and complement their endeavor for occupying important public positions such as honest civil servants, competent professionals, committed experts, talented scientists and so on. Keeping this in view, each department has modified the common core syllabus with functional orientation to the extent of not less than 20% in each subject.

As part of its innovative efforts to help our students successfully face the challenges in the ever – changing and highly competitive world, the college has introduced Choice-Based Inter-Disciplinary Electives from this academic year.

The Institution focuses on the systems and practices that help not only the academic growth of the students but also promotion of social responsibilities and good

citizenry, an ambience of creativity. It adopts quality management strategies in all academic as well as administrative aspects.

Inheriting the legacy of the benevolence of the founding father of SSBN institutions, the late Sri Sirivaram Adinarayana Rao, the college has established its social arm, **Saibaba Allied Grameena Empowerment (SAGE)**, to serve the rural community in various ways with the financial support of the funds granted by the UGC under its 'College with Potential for Excellence' status conferred on the institution in 2010.

Extending financial assistance to the deserving poor students irrespective of their cast, creed and sex to enable them to complete their courses in this backward region of drought and illiteracy, through **Sai Benevolent Fund (SBF)** is one of the two best practices of the college.

The college has also been serving its women students through its **Women Empowerment Cell** keeping in view its large number of women students and staff. It has been working for the protection of women's rights actively empowering them and creating conditions for gaining confidence in their abilities. It aims at curbing the social evils like eve-teasing and ragging by providing necessary counseling and guidance by professional counselors and by organizing gender sensitizing programmes.

Besides, the college has been taking utmost care of the students through its student support systems – **Health Centre, Canteen, Students' Consumer Cooperative Stores, various student clubs, NSS, NCC, JKC, Social Welfare and Endowment Scholarships, Career Guidance and Counseling Unit and Placement Cell** – for their holistic development.

With this glorious background, this Autonomous Institution is marching ahead with robust optimism, strength and vigor to achieve the vision of its Founder **Sri Sirivaram Adinarayana Rao**.

# **CRITERION-WISE ANALYTICAL REPORT**

## **CRITERION I : CURRICULAR ASPECTS**

### **1.1 Curriculum Design and Development**

#### **1.1.1 How are the institutional vision / mission reflected in the academic Programmes of the College?**

The institutional vision/mission/goals are translated into various academic programmes in semester system reinforcing latest syllabi with Choice Based Inter Disciplinary Electives that can inculcate a sense of responsibility, infuse diligence and confidence in students to compete successfully in the highly competitive world by acquiring the required skills of employability.

The academic programmes offered in the institution are designed in tune with the changing needs of the society which are updated from time to time. In the faculty of Arts, Commerce and Science, the curricula include a wide range of programmes, at the U.G. and P.G. level. In the wake of growing global business, BBM, a new UG course was introduced to enable the students to grab job opportunities. New P.G. programmes in Bio-Technology, Organic Chemistry, Analytical Chemistry and Commerce have been introduced to enable the students to be employable in industry where there is a lot of demand in these areas.

There are 39 Ph.D. degree holders among the faculty members engaged in teaching. A unique feature of this Institution is that it is the only Autonomous Institution, affiliated to Sri Krishnadevaraya University, with 22 members of the faculty working in Grant-in-Aid posts with the designation of Associate Professor.

Besides the ambitious academic programmes and Research activities, as part of our social responsibilities, various extension activities for the community development are provided through NSS, NCC, Red Ribbon Club, ECO Club and SAGE. The activities include road formation, clean and green, plantation, sanitation, blood grouping and blood donation programmes, creating awareness on literacy, HIV/AIDS, Eye donation, seasonal diseases etc.

#### **1.1.2 Describe the mechanism used in the design and development of the curriculum? Give details on the process. (Need Assessment, Feedback, etc.)**

The institution has formed communication channels among the stakeholders to ensure quality management in learning process. Stakeholders' relationship has strong bearing on the decision making in relation to curriculum development.

This Institution covers all traditional and modern needs as far as possible in the curriculum development process. It has developed information database from faculty, students and academic experts. Adequate space is provided for interaction among academic partners. Systematic documentation is done to represent feedback for suitable curriculum designing. Based on the rationalized feedback, the institution identifies the corrective measures such as modernization of syllabus and other aspects

of pedagogy. The resolutions passed in the Boards of Studies are approved with or without modifications in the Academic Council are formularized and implemented for the development of the curriculum.

The Autonomy conferred on the Institution by the UGC in 2005 has enabled it to constitute its own BOS in all the courses of study with a component of external experts from the Universities aiding the faculty in the process of devising appropriate curriculum. The statutory bodies mentioned below with given composition comprising a significant percentage of external experts formulate curricular content developed on need assessment and feedback.

Sl. No.	Committee	Chairperson	Internal Members	External Members	% of External Members
1	Board of Studies (BOS)	Head of the Department	1 to 4	03	43
2	Academic Council (AC)	Principal	23	08	26
3	Governing Body (GB)	Principal	08	04	33

### **1.1.3 How does the College involve industry, research bodies, and civil society in the curriculum design and development process? How did the College benefit through the involvement of the stakeholders?**

The Institution involves a nominee from the industry in the respective BOS. The nominee can suggest the latest trends and needs in business and industry circles. Accordingly, the nominee is involved in the designing of curriculum. This helps the students to acquire the latest skills and can enhance the chances of getting absorbed in business and industry.

The Senior Professors from Universities are also nominated as members of BOS in all the courses of study and Academic Council. They help the faculty in designing and development of appropriate curriculum with research-bent with scientific temperament and up-gradation of knowledge.

The cross section of civil society is nominated to BOS, Academic Council and Governing Body to provide inputs on thrust areas of local relevance to be included in the curriculum. The involvement of such experts makes the institution to take up new extension programmes for the uplift of the needy. Industry orientation is given through a focus on areas of Analytical Chemistry, Organic Chemistry, Microbiology, Biotechnology, Electronics, Commerce and BBM.

### **1.1.4 How are the following aspects ensured through curriculum design and development?**

- \* **Employability**
- \* **Innovation**
- \* **Research**

The institution aims at providing comprehensive curriculum to meet the training needs of students, which are categorized into knowledge acquisition, skill imparting, application orientation, and value addition.

Industry representation in BOS gives vital inputs to the curriculum design with a focus on employability. In tune with the changed demands, and also to give employment orientation to education, the College started self-funding courses in Computer Science, Electronics, Microbiology, Biochemistry, Biotechnology, Commerce and Business Management at UG level and Mathematics, Electronics, Physics, Chemistry, Biotechnology and Commerce at the PG level. Traditional courses are also given equal importance as they too have their own significant role to play in building competency in the students. Inculcating general skills, communicative skills, application skills, and promoting personal and human values through various co-curricular and extra-curricular activities are the other objectives leading to the all-round personality development of the student. Quality is tested and assured at every level in all these aspects to make the curriculum more value added.

Add-on certificate courses with high employability and self employment potential are offered in Communication Skills and Personality Development, Financial Management and Accounting, Clinical Microbiology, Medical Electronics, Embedded Systems, Foundation courses in Information Technology and Internet Technologies, Accounting Executive Course (Tally 9.0) and Saral Sanskrit Speaking Courses.

All courses offered in both science and humanities focus on experiential learning including experiments done in science and computer labs, skill development through practice in the language laboratory, internships in hospitals, clinical laboratories and business enterprises, field work connected with archaeology and business units by the Arts, Commerce and Business Management students. Study projects, project work and assignments establish linkages with institutions focusing on experiential learning.

Internal quality checks, innovative teaching methods, value added courses, community orientation, imparting transferable skills leading to all round personality development of the students. The current curriculum with interdisciplinary approach focuses on local and global competencies among the students from rural background and economically weaker sections.

The curriculum designed and the academic ambience of the Institution kindles the inherent research potential of our students. The stress on practical aspects, skill orientation and interface with the students through seminars lead the student to cultivate a research outlook. The students take up the study projects on local issues and problems, socio-economic surveys, commercial establishments, municipality sanitation works, blood grouping of the rural community, potable water analysis, that blend research with community service.

### **1.1.5 How does College ensure that the curriculum developed address the needs of the society and have relevance to the regional / national developmental needs?**

The course content in the curriculum lays stress on total development of the students and aims at turning out full-fledged graduates in the fields of Biology, Mathematics,

Physical Sciences, Computer Science, Economics, History, Commerce, Accountancy, Business Management and Political Science. Project work component takes care of the socio-economic surveys and local self governance initiative.

The curriculum is designed in such a way that the following areas of respective subjects address the needs of the society and have relevance to the regional and national development.

- Economics – Public finance, Agricultural Economics, Labour Economics, International Economic issues, Forums.
- Commerce – Development of global trade.
- Accountancy – Modern trends in accounting and tax practices.
- Business Management – Modern Operating Systems, Security Analysis, Investment Management, Marketing Research, Consumer behaviour, Human Resource Development and Organization Development.
- History – Contemporary issues in Indian history.
- Political Science – Emergence of new political ideologies and institutions.
- Sciences – Environmental management, Pollution control, Industrial chemistry, polymers, Global competency through IT, Electronics in daily life.

The graduates of our institution develop a sense of scientific temper, communal orientation and an outlook on national development.

### **1.1.6 To what extent does the College use the guidelines of the regulatory bodies for developing or restructuring the curricula? Has the College been instrumental in leading any curricular reform which has created a national impact?**

The Institution uses the guidelines of the regulatory bodies from time to time in ‘true letter and spirit’. The Institution, being an Autonomous body and a “College with Potential for Excellence”, develops and restructures curricula through its BOS and Academic council. The Autonomous status conferred on the Institution gives it an advantage in revising the curricula so as to incorporate contemporary trends. The Institution carries out the formalities prescribed by the APSCHE and affiliating university in introducing new academic programs. Taking common core syllabus as a base to ensure vertical mobility, the Institution has flexibility to include additional inputs of local and contemporary relevance.

## **1.2 Academic Flexibility**

### **1.2.1 Give details on the following provisions with reference to academic flexibility**

The B.A., B.Sc., B.Com., and BBM courses offered in this institution have three major subject combinations.

**a. Core / Elective options**

**Core Subjects : UG / PG**

1. Economics-History-Political Science
2. Commerce
3. Chemistry, Physics, Mathematics, Electronics, Bio-technology, Zoology, Botany, Microbiology and Computer Science
4. PG - Chemistry, Physics, Mathematics, Electronics, Bio-technology and Commerce
5. Management (BBM)

**Non-Core Subjects :**

1. Environmental Science
2. Citizenship Education

**Interdisciplinary Elective options:**

1. Elements of Financial Accounting
2. An Introduction to Indian History
3. Principles of Economics
4. Polity and Government
5. Introduction to Management
6. General Mathematics for Non-Mathematics students
7. Applications of Physics in Daily Life
8. Applications of Chemistry in Agriculture, Medicine & Industry
9. Electronics in Daily Life
10. Basic Statistical Tools
11. Functional ICT (Information and Communication Technology)
12. Microorganisms – Human Life
13. Health Management
14. Applications in Biotechnology
15. Plants in Human Welfare

**b. Add-on Certificate courses**

1. Communication Skills & Personality Development
2. Financial Management & Accounting
3. Clinical Microbiology
4. Medical Electronics
5. Embedded Systems
6. Information Technology
7. Internet Technologies
8. Accounting Executive Course (Tally 9)
9. Saral Sanskrit Speaking Course

**1.2.2 Have any courses been developed specially targeting international students? If so, how successful have they been? If 'no', explain the impediments.**

As of today, this institution has not designed any special course or programme targeting International students. Though the college is situated in district head quarter town, it caters primarily to rural background community students. As yet, in spite of information about the college being available on the web and the college has gained Autonomous status (2005), NAAC accreditation with 'A' grade (2007) and College with Potential for Excellence status (2010) by the UGC, this lead college in the district has not attracted foreign students so far.

**1.2.3 Does the College offer dual degree and twinning programmes? If yes, give details.**

No

**1.2.4 Does the College offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programmes?**

Yes.

**Self-Funding Programmes / Courses (UG)**

- Mathematics, Physics & Computer Science
- Mathematics, Physics & Electronics
- Microbiology, Botany & Chemistry
- Biochemistry, Zoology & Chemistry
- B.Com., Computer Applications
- Mathematics, Electronics & Computer Science
- Mathematics, Statistics & Computer Science
- Bio-technology, Microbiology & Chemistry
- Bio-technology, Botany & Chemistry
- Microbiology, Biochemistry & Chemistry
- Microbiology, Computer Applications & Chemistry
- Bachelor of Business Management (BBM)

**PG Programmes / Courses (Self-funding)**

- M.Sc. Electronics
- M.Sc. Mathematics
- M.Sc. Physics
- M.Sc. Chemistry
- M.Sc. Bio Technology
- M.Com (General)

For all PG programmes the students are allotted by the Convener, SVURPGCET. 20 percent of the seats in each PG course are filled under Management Quota.

### **SELF-FUNDING UG COURSES** Admission Criteria for Spot Admissions

Course (6 Semesters)	Merit required for spot Admission	Fee per Year
Mathematics, Physics & Computer Science	50% or above in single attempt	8,500-00
Mathematics, Electronics & Computer Science	60% or above in single attempt	8,500-00
Mathematics, Statistics & Computer Science	50% or above in single attempt	8,500-00
B.Com. Computer applications	50% or above in single attempt	8,500-00
Microbiology, Botany & Chemistry	50% or above in single attempt	7,000-00
Bio-technology, Microbiology & Chemistry	50% or above in single attempt	8,000-00
Biochemistry, Zoology & Chemistry	50% or above in single attempt	7,000-00
BBM	50% or above in single attempt	11,000-00

**Note:** The fee includes Rs. 1000/- towards UDF, UTF, Handbook, ID, Card, PGDF, AAF and Language lab fee.

Teaching in this Institution is a common task for all the courses irrespective of Aided or Self-funding. The teachers in Grant-in-aid handle Self-funding courses in addition to their usual work load in traditional courses. Criteria for teacher qualification remain the same. The Management appoints qualified staff on fixed salary through notification and conduct of rigorous selection following appropriate procedures separately for self-funding courses.

#### **1.2.5 Has the College adopted the Choice Based Credit System (CBCS)? If yes, how many programmes are covered under the system?**

**Yes.** The Institution introduced fifteen Inter disciplinary electives in choice based letter grade system.

#### **1.2.6 What percentage of programmes offered by the College follows Semester System?**

All the programmes offered by the Institution are in Semester system with 25 per cent weightage for continuous internal assessment and 75 per cent weightage for sem-end external examination.

#### **1.2.7 What is the policy of the College to promote inter-disciplinary programmes? Name the programmes and what is the outcome?**

The courses offered in this college have inter-disciplinary approach with 3 major subjects combination with a view to keeping pace with knowledge explosion and to give employment orientation to education.

These contemporary courses are beneficial to the learners to meet the emerging needs and global demands. These courses train our students to achieve personal and organizational goals. Our graduates are selected in organizations such as laboratories, clinical labs, electronics industries, computer hardware and software industries, municipalities, business enterprises and Non Governmental Organizations. Our value added courses help the students to become technical assistants, lab technicians, engineers, investigators, sanitary officers, junior and senior accountants and officers of state and central services.

S. No.	Programme	Programme Options
1.	B.Sc., (SF)	Mathematics-Electronics-Computer Science; Mathematics-Physics-Electronics; Mathematics-Statistics-Computer Science; Mathematics-Physics-Computer Science; Microbiology-Computer Applications-Chemistry; Biotechnology-Botany-Chemistry; Biotechnology-Microbiology-Chemistry; Microbiology-Biochemistry-Chemistry; Microbiology-Botany-Chemistry
2	B.Sc., (General)	Mathematics-Physics-Chemistry; Botany-Zoology-Chemistry; Mathematics-Physics-Statistics
3	B.Com., (CA) – SF	Commerce-Computer Applications
4	BBM - SF	Business Mathematics, Statistics, Computer Applications
5	BA (General)	Economic-History-Political Science

### 1.3 Curriculum Enrichment

#### 1.3.1 How often is the curriculum of the College reviewed for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum of the Institution is reviewed every three years taking into consideration global tendencies and compatibility with NET after thorough deliberations in the respective BOS. The resolutions of BOS are placed before the Academic Council for consideration/recommendation/modification if any and finally get its approval.

#### 1.3.2 How many new programmes that have been introduced at UG and PG level during the last four years? Mention details.

A thorough discussion with faculty members both at the College and University level is undertaken to review the existing course vis-à-vis the current student needs for

identifying the need for introducing new courses. The College has kept on adding new courses periodically. This institution is one of the largest in the Sri Krishnadevaraya University, Anantapur area in terms of excellent infrastructural facilities and number of courses. The courses or programmes offered in this college have inter-disciplinary approach catering to the changed needs.

S.No.	Programme	Programme Options
1.	BBM (UG)	General Management, Operations, Finance, Marketing, Human Resource Management
2	M.Sc.	Bio-Technology
3	M.Sc.	Analytical Chemistry
4	M.Com.	General

### 1.3.3 What are the strategies adopted for revision of the existing programmes? What percentage of courses underwent a major syllabus revision?

- Feed-back from alumni with academic bent and settled in academic and administrative fields.
- Expert opinion from Members academic council, Governing Body, Review and evaluation committees, Resource persons, and Local Industry.
- Experiential learning of our teachers in faculty enrichment programmes.
- Recruiter's feed-back during campus drives.
- Learning's from the deliberations of Common Core Syllabus Committee at state level.
- Experiences and knowledge sharing in Consortium of Autonomous colleges meet.

As a result of above mentioned strategies, 70% to 80% of the courses underwent a major syllabus revision.

### 1.3.4 What are the value-added courses offered by the College and how does the College ensure that all students have access to them?

The value-added courses offered by the college are -

- Communication Skills & Personality Development
- Financial Management & Accounting
- Clinical Microbiology
- Medical Electronics
- Embedded Systems
- Information Technology
- Internet Technologies
- Accounting Executive Course (Tally 9.0)
- Saral Sanskrit Speaking Course

These courses train our students to achieve their individual and organizational goals. These courses are accessible to all students, since they are conducted with no clash to the time-table hours.

### **1.3.5 Has the College introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?**

The add-on certificate programmes introduced by our Institution from time-to-time are in consonance with National Skill Development Corporation identified sectors viz., Electronics Hardware, ITES-BBO, Tourism, Hospitality and Travel, Banking Insurance, Finance, Food processing, Clinical Microbiology to meet the demands of growing economy required skilled work force.

## **1.4 Feedback System**

### **1.4.1 Does the College have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?**

The college obtains feedback from the students through a questionnaire supplied to the students by the teachers concerned. The students are allowed to express their independent views on the assessment of teachers' performance and relevance to the current curriculum in terms of employability.

The feedback on the curriculum generally relates to the introduction of the new courses of study compatible with the students' / parents' visualization of their needs. In general, the feedback does not dwell on structural reforms in the syllabus other than asking for the introduction of additional topics related to their needs.

A Committee of senior faculty constituted for the purpose analyzes the feedback. The Committee's report is placed before the Principal and respective statutory bodies for any initiatives necessary in the matter.

### **1.4.2 Does the College elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods adopted to do the same - (conducting webinar, workshop, online forum discussion etc.). Give details of the impact on such feedback.**

**Yes.** All the National and International academicians visiting the parent University, other local NGOs and participants of National Level workshops visit our Institution and interact with our faculty and learners. Their feedback on our programmes and curriculum is obtained at regular intervals and their suggestions are duly incorporated after thorough deliberations in the respective BOS and Academic Council.

As a result of this 360° feedback, our curriculum reflects the recent modern trends and enables our learners to meet the emerging needs and face the global challenges.

### **1.4.3 Specify the mechanism through which alumni, employers, industry experts and community give feedback on curriculum enrichment and the extent to which it is made use of.**

The institution has various channels to collect and document responses on curriculum from the stakeholders. IQAC is in-charge of developing tools for obtaining feedback. The College obtains feedback from alumni, employers, community and industries by

administering the questionnaires, collecting opinions, maintaining visitors book and holding meetings. The institution collects feedback from employers through e-mail. Now and then, the employers through their meetings with the staff explain how the curriculum is to be utilized and moulded as per the institution's, Vision, Mission and Goals. The growing enrolment of students in general and women students in particular year after year strengthens the goodwill of this college in the Society. Special formats are used for alumni to register their views during alumni meetings. Our Alumni feel proud of infrastructure, student discipline, conduct of examinations and improvement of academic career by research, so as to recommend their alma mater to their kith and kin and to others. The prominent visitors and other dignitaries visiting our College from time to time register their views in our Visitors' Book. In addition feedback from community is obtained from print and visual media opinion polls. We try to know their opinions about the curriculum. The college IQAC analyses feedback and prepares response chart for future use.

The suggestions and views regarding the improvement in the curriculum received from all these corners are conveyed to our staff, BOS members and they are requested to place the same in the BOS meetings. After thorough discussions the same may be finally presented to the members of Academic Council for its approval with or without modifications.

#### **1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring effective development of the curricula?**

The quality sustenance and enhancement measures undertaken by the institution in ensuring effective development of the curricula are as under:

- Mandatory presence of external examiners for UG/PG practicals to ensure quality improvement.
- Obtaining feedback from stakeholders through informal contact to obtain information about qualitative changes required in courses.
- Faculty members participate in workshops, seminars, conferences and symposia at National and International levels organized by our institution and other institutions.
- The faculty members enhance their ability and knowledge by attending orientation and refresher courses.
- Extensive lectures on specific topics by visiting faculty.
- The quality of the curricular aspects is sustained by referring to latest information and imparting the same to the students.
- Publication of articles in magazines and journals, authoring and co-authoring of books and course material is another way in which the curricular quality is sustained and enhanced.
- The faculty members upgrade their qualifications and thereby strive for quality enhancement of curriculum.
- Educational tours undertaken by various departments are part of the academic culture of the institution.

- The curriculum is so administered to the student that not only through classroom instruction but also through seminars and projects that the student is enabled to acquaint himself with the latest developments in the subject.
- The systematic exposure of the candidate to seminars enhances the thrust on quality.
- The testing mechanism with its accent on the problem solving approach and on restricted choice helps the student.
- Syllabi revision to meet the needs of competitive exams.
- New need based add-on certificate courses.

*Any additional information regarding Curricular Aspects, which the institution would like to include.*

#### PRE Vs POST ACCREDITATION SCENARIO

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
• Choice based Inter Disciplinary Electives (Letter grade system)	No	15
• Number of Add on courses	03	09
• UG course in Management	----	BBM
• PG courses	04	06
• Add-on programmes in line with NSDC recommendations	No	09
• JKC	No	Yes
• Functional ICT	Moderate	Extensive

## **CRITERION II: TEACHING-LEARNING AND EVALUATION**

### **2.1 Student Enrolment and Profile**

#### **2.1.1 How does the College ensure publicity and transparency in the admission process?**

The college ensures publicity and transparency in the admission procedure through the following:

##### **Publicity**

- The Institution publishes the prospectus, which has all the necessary information regarding the college admission procedure including course-wise fee structure. This is issued along with the application form to the candidates before their admission.
- The detailed admission procedure is posted on college website. ([www.ssbnc.in](http://www.ssbnc.in)).
- College admission notification is advertised in all regional and local Newspapers. The details of the admission status are also telecast on local cable network.
- Display boards and banners of all the course combinations are kept on the campus, outside the college and public places.
- Our senior students and alumni are the best source of publicity.

##### **Transparency in Admission**

- Based on the marks obtained in the qualifying examinations, a merit list and two waiting lists are prepared duly following University rules and the reservation policy of the Government of Andhra Pradesh. List of selected candidates is placed on the web. This information is sent to all the candidates by post besides telephonic information indicating the dates and timings of the admission.
- Spot admissions for self-financing courses are based on merit.
- The college collects the course fee as prescribed by the University. It does not collect any extra fee or donations.

#### **2.1.2 Explain in detail the process of admission put in place for UG, PG and Ph.D. programmes by the College. Explain the criteria for admission (Ex. (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common test conducted by state agencies and national agencies (v) others followed by the College?**

This institution offers UG general, self-financing and PG courses. The process of selection for admission is detailed below:

Once a candidate applies for admission to a UG-General course in the College, his/her application is thoroughly scrutinized by a committee to know whether he/she is fit for admission into that course. Then, a merit list and two waiting lists are prepared depending upon the marks obtained in the qualifying examination duly following the rules of reservation. The applicants are informed to attend an interview with the required certificates. When the selected applicant approaches the interview board, he/she is asked various questions to assess his/her conduct and eligibility for admission. Only after the Principal, assisted by Admission Committee, is satisfied with the genuineness of his/her certificates and his / her eligibility for admission, the applicant is permitted to pay the fee and admitted in the College.

The selection and admission to the self-financing UG courses are made by spot admissions on merit in the qualifying examination.

For Postgraduate courses, the candidates are selected based on their rank at SVURPGCET. Allotment to this College is made through counselling based on the option exercised by the candidates. Because of the state-of-the-art infrastructural facilities and quality in teaching and learning in our college, students with high rank compete for admission to our college.

**2.1.3 Does the College have a mechanism to review its admission process and student profiles annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?**

**Yes.** The college reviews its admission process in regular Governing Body meetings with due inputs to all members about analysis of student profiles and possibilities of process improvement. A review is made on the socio economic profile of the students and level of deficiency by a staff committee. Based on the interaction with IQAC, the needs of differently abled students are addressed and fee concessions, outside the purview of the Government, are extended.

Scholarships and fee concessions have been introduced with transparent admission procedure to attract better quality students. Direct admission with fee concession is given to the students with outstanding performance in Sports and Games, NCC and NSS.

**2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories**

**a. Disadvantaged Community**

- Reservation of seats as per Government norms.
- Scholarships and Remedial Coaching.
- Special Coaching and option to answer the exam questions in vernacular.

**b. Women**

- Women constitute 52% of the total number of students.
- For every 40 women students one women teacher as mentor

- Free health camps exclusively for women students
- Seminars/awareness programmes on ‘gender equity’ and ‘domestic violence’ are conducted in association with local NGOs
- An NCC unit exclusively for women students is actively working to promote the spirit of adventure, secure outlook and the ideals of selfless service.
- Well furnished waiting room for women students.

**c. Differentially-abled**

- Special Coaching, scribe facility, extra coaching during examinations.
- Classes in the Ground Floor.

**d. Economically –weaker section**

- Scholarships
- Special coaching
- Preference in the on-campus placement.
- Special coaching is also imparted to the weaker section students to meet the requirements of various competitive exams

**e. Athletes and sports persons**

- Scholarships and Free Books.
- Free sports kit.
- Free sports uniform and breakfast and lunch;
- Special academic coaching and extra coaching whenever needed.

**2.1.5 Furnish the number of students admitted in the College in the last four academic years.**

Categories	2009-2010		2010-2011		2011-2012		2012-2013	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	33 (08)	33 (09)	30 (08)	51 (13)	39 (09)	47 (11)	40 (09)	48 (11)
ST	15 (04)	12 (03)	16 (04)	21 (05)	8 (02)	17 (04)	14 (03)	15 (03)
OBC	141 (36)	128 (34)	150 (40)	139 (35)	189 (46)	174 (42)	196 (46)	191 (44)
General	169 (43)	191 (51)	157 (42)	155 (40)	154 (37)	151 (36)	145 (34)	149 (34)
Others (Minority)	31 (8)	14 (03)	19 (04)	26 (07)	23 (05)	28 (07)	34 (08)	31 (07)
<b>Total</b>	<b>389</b> <b>(51)</b>	<b>378</b> <b>(49)</b>	<b>372</b> <b>(49)</b>	<b>392</b> <b>(51)</b>	<b>413</b> <b>(49)</b>	<b>417</b> <b>(51)</b>	<b>429</b> <b>(50)</b>	<b>434</b> <b>(50)</b>

Figures in brackets indicate percentage(%) to total

**2.1.6 Has the College conducted any analysis of demand ratio for the various programmes offered by the College? If so, indicate significant trends explaining the reasons for increase / decrease.**

<b>Programmes</b>	<b>Number of applications</b>	<b>Number of students admitted</b>	<b>Demand Ratio</b>
<b>UG</b>			
1. B.A.	118	79	1:2
2. B.Com.	282	148	1:3
3. B.Com(CA)	458	76	1:8
4.BBM	65	55	1:1
5.B.Sc., :-			
MPC	87	75	1:1
MPS	85	74	1:1
MPCs	128	80	1:2
MECs	159	73	1:2
MSCs	129	67	1:2
BZC	139	117	1:2
BTMC	19	19	-
<b>TOTAL</b>		<b>863</b>	
<b>PG</b>			
1. Mathematics	Admission through SVURCET (Region wise entrance exam)	44/48	
2. Electronics		27/36	
3. Physics		18/36	
4. Chemistry		23/36	
5. Commerce		48/48	
<b>TOTAL</b>		<b>160</b>	
<b>M.Phil.</b>	As per the university allotment		
1.Life Sciences		04	
2.Mathematics and Physical Sciences		08	
3.Languages & Humanities		13	
<b>TOTAL</b>		<b>25</b>	
<b>Ph.D.</b>			
1.Maths & Physical Sciences		20	
2. Languages & Humanities		05	
<b>TOTAL</b>		<b>25</b>	
<b>Add-on certificate</b>	(Open registrations)		
1.Soft Skills		85	
2.Clinical Microbiology		42	
3.Accounting Executive Course (Tally9.0)		87	
<b>TOTAL</b>		<b>214</b>	

**2.1.7 Was there an instance of the College discontinuing a programme during last four years? If yes, indicate the reasons.**

**Yes.** The college discontinued Biochemistry course in B.Sc. due to decreased demand for the course.

**2.2 Catering to Diverse Needs of Students**

**2.2.1 Does the College organize orientation / induction programme for freshers? If yes, give details of the duration of programme, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

**Yes.** A separate orientation programme is conducted for freshers in three groups belonging to Arts, Commerce and Science during the first four days of the academic year. The students are enlightened on the issues of history of the Institution, the Management, the courses offered, the syllabus, the importance of continuous evaluation and Choice Based Inter Disciplinary Electives, ways and means of using student support systems, information about scholarships to the meritorious students, rules of attendance and code of conduct.

Outside experts including Senior Professors of the Universities, prominent Alumni and Parents of students also educate our students in general and students of rural background in particular to adjust themselves to this ambiance during their period of study. The women students constitute 52 per cent of the total strength of our college. NGOs and prominent Women Activists are invited to orient our women students on the issues of ragging, women rights, gender sensitization etc.

The IQAC is in-charge of developing tools for obtaining feedback from the students during orientation programmes. The IQAC analyses feedback and prepares response chart for use in subsequent years.

**2.2.2 Does the College have a mechanism through which the “differential requirements of student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

During the first week of academic year all the departments will identify the students who need special inputs after thorough analysis of student profiles and one-to-one discussion with students.

The identified differential requirements of student population are as under.

- The Rural students with vernacular medium constitute nearly 60% of the student population. The most vulnerable problem with rural students is their inability to understand and express through English.
- To mitigate this issue, special inputs are given to them by our English department with state-of-the-art ICT powered language laboratory. Special motivational sessions by senior teachers are conducted to pursue the medium change seekers with initial fear complex on English.

- Special orientation sessions in Electronics, Microbiology, Bio-Technology, Information Technology and Computer Science are conducted to equip them to cope with the application oriented curriculum in the respective departments.
- Commerce and Management basics are imparted through special orientation sessions to the non-commerce students admitted to Commerce and Management courses.
- All science departments conduct sessions to gain hands-on-experience in handling modern specialized sophisticated equipment in the respective laboratories.

**2.2.3 Does the College provide bridge /Remedial /add - on courses? If yes, how are they structured into the time table? Give details of the courses offered, department wise/ faculty-wise?**

Yes.

• **Bridge Course**

A majority of the students are from rural and semi-urban backgrounds and from Telugu medium. So, most of them lack abilities to understand the lessons in such disciplines as Computers, Microbiology, Biochemistry, Biotechnology, Commerce, Management and English. Therefore, bridge classes are held within the first month. The approach for learning these subjects differs when the student leaves the plus two stage to enter the degree level. Bridge classes in the fundamentals of the subjects concerned are conducted to the students with non-subject background. The details are given in the table below:

Sl. No.	Subjects studied at plus two stage	Content taught in Bridge class
1.	Bi.P.C. / M.P.C.	Basic knowledge of Economics, History, Political Systems, Fundamentals of Accounting and General Management.
2.	Students admitted in to the courses other than their plus two combination	Basics of the subject concerned
3	Telugu Medium students	Vocabulary, Grammar and Elements of communication in English, introduction to subject specific vocabulary

• **Remedial Classes**

The objective of Remedial classes is to bring improvement in the competence and confidence of the slow learners. They are identified based on their poor performance in the internal tests and divided into groups for remedial coaching.

All the departments conduct the remedial classes two hours per day after working hours for four weeks. The ingredients of remedial coaching include the following:

- a) Conducting special classes in the topics already covered, not followed by the student, in regular classes.

- b) Supplying handouts and study material.
- c) Giving extra coaching to students appearing for supplementary examinations.

The following departments conducted remedial classes funded by the UGC under “Merged Scheme” programme to the students belonging to SC, ST, OBC (Non creamy layer and Minority communities) during September-October 2010 and in November 2011.

S. No	Department	Faculty
1	English	Sri S.A. Aleem Azmi, Sri B. Kesava Reddy
2	Chemistry	Dr. Madhusmitha, Dr. Rammohan, Smt R. Pushpa Latha, Smt P. Chandrakala, Ms. M. Mangamma
3	Microbiology	Dr. G. Sairamalinga Reddy, Dr. C. Madhavi
4	Mathematics	Miss. K. Gayatri, Miss.P. Devana, Miss. C. Nasarath Begum, Smt. E. Mahojani, Miss. S. Mubeena Begum
5	Commerce	Dr. N. Ravi Sankar, Smt. K. Abida Begum Sri P. Ravi Sankar, Dr. J. Polappa, Smt. R. R. D. Sirisha, Sri. P. Dadapeer, Sri. B. Areef Basha

- **Add - on certificate courses**

S. No	Course	Department	Faculty
1	Communication Skills & Personality Development	English	Dr. K. Gopal Reddy Dr. U. V. Ramana S.A. Aleem Azmi B. Kesava Reddy
2	Accounting Executive Course (Tally9.0)	Commerce & English	Dr. U. V. Ramana B. Kesava Reddy S. A. Aleem Azmi P. Dadapeer B. Areef Basha
3	Clinical Microbiology	Microbiology	Dr. C. Madhavi Dr. G. Sairam Linga Reddy
4	Medical Electronics	Electronics	Dr. Y. Munikrishna Reddy Dr. Sailaja Dr. Chandrasekhar Reddy
5	Embedded Systems	Electronics	Dr. Y. Narasimha Murthy Dr. Saritha Dr. Sukanya
6	IT/Internet Technologies	Computer Science	M. Murali Mohan Reddy Devaki Mani Gururaj Rao

**2.2.4 Has the College conducted a study on the incremental academic growth of different categories of students; - student from disadvantaged sections of society, economically disadvantaged, physically handicapped and slow learners etc.? If yes, give details on how the study has helped the College to improve the performance of these students.**

Yes. The study has enabled the Institution to improve the performance of the students. The following are the details.

S. No.	Category of the Students	Academic performance at entry level	Incremental academic growth
1	Disadvantaged sections	40 to 50 per-cent	55 to 60 per-cent
2	Economically disadvantaged	45 to 60 per-cent	70 to 75 per-cent
3	Physically handicapped	50 to 60 per-cent	60 to 70 per-cent
4	Slow Learners	50 per-cent	70 per-cent

**2.2.5 How does the institution identify and respond to the learning needs of advanced learners?**

The advanced learners in each class are identified by teachers concerned. The performance in internal examinations, sem-end examinations, class room interaction, seminar participation, group discussion, and assignments are used to identify the advanced learners. They are given extra assignments and study material in the form of standard text books, journals and other books for preparing for PG and Competitive Examinations. The advanced learners are given study projects on subject matters and on local issues. 20% of the teaching is done through the use of OHP/PowerPoint presentation etc., They are prepared to participate in inter collegiate and other national level academic competitions.

**2.2.6 How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?**

The institution has 1% of seats reserved for differently abled students as per the guidelines of the Government of Andhra Pradesh. Suitable seating arrangements are made for them at the time of examinations. Scribe facilities are also provided for writing examinations. The college has made arrangements to provide tri-cycles for such students from the institutions of charity like the Lions Club.

## **2.3 Teaching-Learning Process**

**2.3.1 How does the College plan and organise the teaching, learning and evaluation schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)**

Academic calendar is prepared at the end of March every year to come into effect from the ensuing academic year in consultation with the Management, Principal, Syllabus Committee and Student Evaluation Division.

The academic calendar spells out major college events, public holidays, National and Religious festivals, schedule of internal and sem-end-examinations, teaching days, dates of curricular and extracurricular activities etc.

The college has adopted the semester system from the academic year 2005-2006 for constant observation and assessment of students learning. The academic year is divided into two semesters, each consisting of 90 instructional days. The odd semesters (I, III & V) are from June to October and the even semesters (II, IV & VI) are from November to April. Each semester is a complete unit by itself. The instructional methods include conventional lectures, classroom seminars, power point presentations and guest lectures. The syllabi and the model question papers will be provided by the respective departments.

The college has a formal teaching plan. At the beginning of the academic year, a diary is given to each teacher in which teachers write their annual teaching plan. Every H.O.D. goes through this diary in order to help implement the teaching plan. Teachers keep the students informed about teaching plans. A copy of every teacher's timetable is submitted to the Principal. Each department functions according to the teaching plan prepared at the department level. The unit-wise syllabus is discussed with the faculty of the department and the course work is distributed. The faculty follows a lesson plan, which contains the details regarding instructional objectives to be achieved, details of content to be covered, the kinds of audio/visual aids to be used and the logistics inside the class room. The department teaching plan also contains a "to-do" list of unit tests, assignments, student projects, industrial visits, student seminars, field trips and other activities. All the faculty members maintain work diaries that are updated daily. The head of the institution reviews work diaries regularly. Planning and preparations are also done for laboratory work. Charts, protocols and procedures for all the experiments are prepared and are made available for students.

- **Evaluation Blue print**

### **I. Theory assessment**

The College follows a system of evaluation based on continuous internal evaluation and External Semester-End-Examination (SEE). The 100 marks allotted for each theory paper in a semester are distributed with 25:75 weightage between Internal evaluation and Semester-End Examinations with 35% as minimum in external sem-end exam and 40% overall.

Question papers for Semester-End Examinations are prepared by the external paper setters according to the syllabi and the model question papers approved by the Boards of Studies and the Academic Council. All students have to write the tests/examinations in the medium opted by them at the time of their admissions.

### **A. Internal Assessment**

The Internal Assessment in theory consists of two tests in each semester. Each test is held approximately after 40 days of instruction as per the dates notified by the Controller of Examinations. The departments concerned will provide the syllabus and the model question papers for each test. Student Assignments, Seminars and Student projects are introduced in lieu of the first internal test in first year, second year and third year respectively for all the courses of study from the current academic year 2012-13.

Average marks of the two tests are considered for evaluation and award of class. Students should take these tests earnestly without fail. From 2012-2013 academic year, average marks of internal test and continuous evaluation are considered as internal component for evaluation and award of class. Absence from a scheduled test is viewed very seriously, if prior permission is not obtained from the Principal or Examination Committee. A separate test is conducted in the same semester for those students who take prior permission with valid reasons. Such candidates should register their names with the Controller of Examination. However, granting permission is decided on the merits of each case.

As each semester is a complete unit by itself, any deficiency in Internal Tests cannot be made up in subsequent semesters. If a student is forced to repeat a semester for some reason, all his/her earlier marks in the Internal Tests stand cancelled. While repeating the semester, the student has to follow the syllabus and the model question paper in force in that semester.

### **B. Semester-End Examinations (SEE)**

Regular and Supplementary Semester-End Examinations (SEE) for odd semesters (I, III, V) are held in October/November and for even semesters (II, IV, VI) in March/April every year. All the eligible students shall register their names for the Semester-End Examinations through an application form by paying the prescribed examination fee within the stipulated time. The college reserves the right of not permitting a student for Semester-End Examinations on grounds of discipline, attendance, etc.

With effect from 2012-2013, the Choice-based Inter-disciplinary Electives (CBIDE) are introduced in first and fourth semesters, Environmental Studies in second semester and Citizenship Education in third semester.

The CBIDE examination is for a maximum of 50 marks out of which 30 marks are earmarked for sem-end exam while 20 marks are for assignments/seminars/quiz/group discussions. Citizenship Education and Environmental Studies examination is for 50 marks with no internal component.

## **II. Practical Examination**

Unlike theory, the practical study in the respective subjects stretches throughout the year, which is treated as a unit by itself. The practical methods include laboratory

work, practical training, record work etc. The practical examinations take place at the end of the academic year.

100 marks are allotted for each practical examination. For the purpose of practical examinations, students will be divided into small batches. Each batch has to take the examination on a specified date and time as per the time table announced. No supplementary examinations are held at any time.

### III Transparency in evaluation process

The evaluation process passes through the following stages for internal and semester end external examinations.

A) Internal exams: The College follows internal evaluation of answer scripts. There are two stages in the evaluation of internal examination.

- i) The first stage involves total participation of all the faculty of the respective departments in preparing the scheme of valuation and actual valuation of the scripts.
- ii) The second stage involves verification of the answer script by the aggrieved students to get the necessary clarification.

B) Semester-End-External Exams: Five important stages are involved in the method of evaluation in this examination

Stage I	: Coding the Answer Scripts
Stage II	: Valuation by external examiners
Stage III	: Decoding the valued answer scripts
Stage IV	: Publication of results
Stage V	: Re-totaling, personal identification and revaluation, where the valuation is challenged

The procedure of evaluation is brought to the notice of the students through the college handbooks supplied at the time of admission every year.

The external examiners value semester end examination scripts. The scripts, after coding are sent to one or two reputed colleges out-side the parent University area and with the help of the Principal of those colleges, the scripts are to be distributed among the teachers of the college for valuation. On receipt, the valued scripts are thoroughly checked by the lecturers of subjects concerned under the supervision of the Principal and the Controller of Examinations.

Computation of division is done as follows:

Less than 40%	- Failed
40-49%	- Third
50-59%	- Second
60-74%	- First
75 & above	- Distinction

**2.3.2 Does the College provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

**Yes.** A copy of the course outlines in each subject and the course schedule are supplied to the students at the beginning of the academic year. The coverage of the syllabus as per the academic calendar is monitored by the teachers. As a result, the student gathers information and prepares study material on his/her own by referring text and reference books or browsing the internet. The student comes to the class to get clarifications on issues within and outside the curriculum and can present subject matter on his/her own.

**2.3.3 What are the courses, which predominantly follow the lecture method? Apart from classroom interactions, what are the other methods of learning experiences provided to students?**

Lecture method is predominantly adopted in all the courses. The students are advised to take note of the important points of the lectures and are asked to prepare notes on the topics. Apart from lecture methods, ICT powered innovative teaching method is used to the extent of 20% in all UG and PG courses. Slides, maps, models, charts, computer-generated heuristic devices are used in the classrooms, especially the science classrooms. A variety of supplementary methods like class seminars, role play, debates, elocutions, essay writing, creative writing, group discussion, project work, quiz etc., are also used by the departments. Students are encouraged to choose the right books and read them to develop reading, study and reference skills. Modern teaching aids like OHPs, DVDs, and LCD Projectors are regularly used. Students are permitted access to Mana TV and the education programmes telecast by IGNOU and UGC. They are guided to browse the Websites in various subjects. Student seminars are conducted. Case study methods are adopted. For instance, the Botany department maintains a database on the herbarium. Any student can check the taxonomic position of a new plant comparing with the data available. Study tours and industrial visits have enabled the students to have practical learning experience widening their knowledge base.

The various –teaching –learning methods used by the teachers for various subjects are as follows:

Subject	Methodology used
Humanities	<ul style="list-style-type: none"> <li>• Newspaper discussion</li> <li>• Visuals</li> <li>• Group Discussions</li> </ul>
Physical Sciences	<ul style="list-style-type: none"> <li>• Mathematical modeling</li> <li>• Brain Teasers</li> <li>• QUIZ programmes</li> </ul>
Life Sciences	<ul style="list-style-type: none"> <li>• Biological Tours/Field Trips</li> <li>• Models, Charts and rare specimens</li> <li>• Industrial Trainings</li> </ul>

Commerce	<ul style="list-style-type: none"> <li>• Debate and Quiz</li> <li>• Visits to local Banks and Insurance Companies to understand real time operations</li> <li>• Economic News bulletins and Visual Presentations</li> <li>• Share Market surveys &amp; Analysis</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Economic News bulletins and Visual Presentations</li> <li>• Internships</li> <li>• Industrial Tours</li> </ul>
Computer science	<ul style="list-style-type: none"> <li>• Hands on training in Web design</li> <li>• Code debugging</li> <li>• Analysis of real world Information Systems</li> <li>• Webcasts and Podcasts</li> </ul>

**2.3.4 How is ‘learning’ made more student-centric? Give a list of participatory learning activities adopted by the faculty that contribute to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.**

Student’s centric approach is adopted by the institution. The course structure, syllabus, instruction hours, teaching aids, pattern of evaluation, co-curricular and extracurricular activities are designed by keeping in view the requirements of students for the holistic development and improved student learning.

The following student participatory learning activities adopted by the institution have also greater impact on the holistic development of the student enhancing their learning capabilities.

- (a) Seminars and Assignments
- (b) Role play and Group discussions
- (c) Preparation of charts and models
- (d) Project work and Workshops
- (e) Visit to Government departments, industries, hospitals, institutions, financial organizations and museums for hands on experience
- (f) Biological and Industrial Tours
- (g) Quiz Programmes
- (h) Distribution of study material and handouts
- (i) The Annual College Magazine

The Heads of the Departments convene the meetings of their faculty and review the student participatory learning activities from time to time.

The faculty members adopt the approach of lecture method and interactive sessions with active participation of the students are ensured. The students are encouraged to present papers at classroom seminars. Assignments are given to the students on topics covered besides internal tests. The faculty ensures that the students visit the library

regularly to read various newspapers and consult reference books, national and international journals to keep abreast of latest developments.

Above average students are encouraged to appear for subject-related competitive exams. These students are given more books from the library. Remedial coaching is provided for slow learners. Repetition of practicals also facilitated benefiting both slow and advanced learners.

In science stream, experimental methods are adopted to make teaching and learning more student centric. All departments conduct a number of activities like seminars, debates, elocution on current issues, group discussions, and science quizzes. Such activities have developed stage courage, skills of expression and creative power among the students.

Extension activities like community service, clean and green programmes, awareness on HIV/AIDS and blood donation are organized through NSS, NCC, ECO Club, Red Ribbon Club, SAGE, Cultural and Sports events. As regards the knowledge management and lifelong learning, the faculty ensures that the students visit the library regularly to read various newspapers and consult reference books, national and international journals to keep abreast of latest developments.

### **2.3.5 What is the College policy on inviting experts / people of eminence to provide lectures / seminars for students?**

The college believes in strengthening the class room learning with Guest Lectures by inviting experts, people of eminence and other professionals to enable the students to gain latest knowledge on contemporary issues. The involvement of experts with multifaceted background brings all round personality development of our students to willingly take up the challenging issues of national and global nature. The students are encouraged draw resources from the internet in their assignments. The feedback of the students on these issues is also obtained and used to frame future action plan.

### **2.3.6 What are the latest technologies and facilities used by the faculty for effective teaching? Ex: Virtual laboratories, e-learning, open educational resources, mobile education, etc.**

The faculty use Power Point Presentations, OHP slides, Audio Visual Cassettes and CDs/DVDs along with e-learning modules for effective teaching.

The departments also take the assistance and guidance of the faculty of Computer Science in preparing computer-aided learning modules and presentations as teaching tools. ICT powered English Language Laboratory is used by the students for the improvement of their pronunciation, vocabulary and grammar base for gaining a reasonable fluency in English.

### **2.3.7 Is there a provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-socio guidance? If yes, give details of the process and the number of students who have benefitted.**

**Yes.** Every teacher in this institution is allotted about 40 students. The same teacher acts as a counsellor / mentor / advisor to assess and oversees the overall performance. In the process, he takes note of the problems and suggests suitable remedies. Apart from this, 5 women teachers drawn from Science, Humanities and Commerce are exclusively given the responsibility to take care of the needs of women students. Outside professionals of psychology and psychiatry also provide personal and psycho-socio guidance to our students. 80 to 85 per cent of the students are benefitted by the said process.

**2.3.8 Are there any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve the learning? What methods were used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?**

**Yes.** There is reasonable improvement in learning as a result of various teaching practices /approaches /methods.

The following are various evaluation methods of the learning.

- **Project based evaluation method**

The students were asked to carryout project works based on the subject inputs they received on a particular topic in the interactive method of teaching. When submitted, it was found that the projects reflected not only their power of comprehension of the subject but also more relevant information than what the students had actually received. It was also observed that they had independently consulted various sources of information including internet.

- **ICT enabled evaluation Method**

The students were provided awareness on the use of modern technology including internet for gathering information for academic and general purposes. Accordingly, the students have gained accessibility to the modern sources of information on the subjects of the study and on various competitive examinations. This has really enabled our students to apply for various positions in private and government sector, attend the interviews and get selected. They have used the sources for gaining information for presenting papers at seminars, workshops of academic nature besides inquisitiveness among the students to go for research.

- **Experimental evaluation Method**

Whatever the students learn in the theory classes has to be presented in the practical classes conducted for the science students. The college conducts study tours and industrial tours as a part of experimental learning. It was evident in the practical sessions that the students had improved the subject knowledge besides acquiring the skills of 'Learning by doing' and application of the same in real situations.

- **Evaluation through Seminars and Group Discussions**

The students were encouraged to present by way of seminars and group discussions what they had learnt in the regular theory classes. A few seminars of such nature were made more meaningful with the presence of external subject experts. It was noted during the deliberations that the students gained stage courage, expression and presentation skills apart from more subject knowledge.

- **Bilingual Method**

The lessons are taught both in English and vernacular language. This has helped the students to understand the concept, definition, technical terms, scientific terms etc., easily without any ambiguity. The students were allowed to explain the subject matter in both the languages, seminars, group discussions and quizzes. It enabled them to enhance their confidence levels and learning capabilities.

- **Evaluation through audio-visual aids, Models, Specimens, Slides and Charts**

Video programmes on television, arrangement to listen to audio programmes enhanced the understanding of profound concepts of the concerned subjects especially for slow learners. Students were asked to present their topics with the support of audio-visual aids, models, specimens, slides, charts etc. It enabled the students to understand even the difficult concepts and diagrams in Botany and Zoology, periodical tables in Chemistry, mechanical diagrams and circuits in Physics and Mathematical formulae. Such use of the aids has made the teaching learning process more effective with enhanced interest and concentration on learning.

S. No	Innovative teaching methods	Method to evaluate the impact
1	Interactive method	Project work
2	ICT enabled method	Student response on clarity over complex concepts
3	Participative method	Practicals
4	Questioning method	Seminars & Group discussions
5	Bilingual Method	Student response
6	Teaching models	Audio visuals, specimens, slides etc.

The Government of Andhra Pradesh gives Best Teacher Award in recognition of the meritorious services of our teachers. Seven of our teachers received such awards. Besides, the management of the Institution honors such teachers suitably on annual Independence Day celebrations. The college also encourages the meritorious staff to participate in academic deliberations like national and international seminars and training programmes to improve their innovative efficiency.

### 2.3.9 How does the College create a culture of instilling and nurturing creativity and scientific temper among the learners?

- Regular interactions of the students are arranged with the internal teacher-researchers and external researchers to nurture student creativity.
- Student study projects are made mandatory in their last semester of their course to churn out the research temper.
- Encouraging students with creative ideas to take up real-time projects with financial support.
- Financial aid is extended to the students who participate in national level seminars, workshops and quizzes etc.
- The college conducts National seminars and work-shops, student seminars at regular intervals.
- Students are also involved in conducting lab-to-land programme and “inspire” programmes etc.

**2.3.10 Does the College consider student projects a mandatory part of the learning programme? If so, for how many programmes is it made mandatory?**

**Yes.** Student projects are made mandatory as part of all the learning programmes in the final semesters. Student projects were made mandatory for final semester students of B.A and BBM programmes from the year of attaining the status of autonomy. For all the other programmes, it is mandatory, as a part of continuous evaluation in the last year of the course with a weightage of 25%, from the academic year 2012-2013.

The business enterprises and the Govt. departments concerned in and outside Anantapur provide internship to the meritorious students. The faculty in the respective departments supervises and guides the students in completing the projects.

**2.3.11 What efforts are made to facilitate the faculty in learning / handling computer-aided teaching/ learning materials? What are the facilities available in the College for such efforts?**

The faculty in the department use computers to prepare study material, power point presentation slides and other learning materials. The departments are equipped with computer systems, printers, scanners, web cameras, internet, micro phones, handycams etc.

**2.3.12 Does the College have a mechanism for evaluation of teachers by the students / alumni? If yes, how is the evaluation used in achieving qualitative improvement in the teaching-learning process?**

**Yes.** The college has a system of evaluation of the teachers by the students. The assessment is done towards the close of every academic year. Feedback of the students is obtained by means of proforma provided by the NAAC on the performance of the teachers. The names of the students are kept anonymous. They are asked to give their feedback on the teacher’s knowledge, teaching ability, subject command, language fluency, presentation, teaching methodologies, syllabus coverage, the interactive behaviour, understanding the academic, sociological and other issues.

The feedback forms are analyzed by the Principal and IQAC and prepare feedback charts for each department. The remarks and suggestions are communicated to the teachers concerned in a face-to-face meet for the betterment of teaching and learning process. After some time, the Principal and the Correspondent visit the classes and interact with the students outside to ascertain whether the desired change has taken place.

**2.3.13 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If yes elaborate on the challenges encountered and the institutional approaches to overcome these.**

**Yes.** The socio economic profile of the students indicates that they are from the weaker sections of the society and many of them are the first generation to receive the college education or for that matter education at all. Their transition from Telugu medium to English medium and low confidential level to right self confidence level has to be worked out in interactive classrooms, which is a real challenge and which stretches the time schedule a little.

The agitations by Student Organizations and Bandhs by political parties constitute major challenges in completing the syllabi within the planned timeframe and as per the academic calendar. Three to four working days are lost in every month on account of these situations.

The teachers conduct the special classes in the evening sessions of working days and on holidays including second Saturdays and Sundays to complete the syllabus and compensate the working days lost. In spite of the above measures, if the syllabus is not completed, the college postpones the sem-end-examinations for completing the syllabus. Certain number of days in the sem-end-vacation is foregone to allow the start of next semester as per the schedule notified in the academic calendar. This is possible because of our autonomous status.

**2.3.14 How are library resources used to augment the teaching-learning process?**

The Central Library is quite rich in textbooks, reference books, periodicals and display of admission brochures of different universities, institutions, employment opportunities and information on competitive examinations. Due to these facilities, our teachers and students improve their academic skills and get an awareness of the other important aspects of life. The faculty also regularly makes use of the library for reference books, periodicals, journals and A/V material for enhancing their subject expertise and contemporary knowledge on various issues.

The Central Library has adequate space. All books are accessible to students. There are separate racks keeping special category of books like rare collections, latest arrivals, local literature, biographies, women related books etc. The staff and the Librarian, for effective utilization of library, guide the students.

Our Library has the following facilities:

- Reprography
- Audio-Video Cassettes, CDs and DVDs
- Internet browsing
- Book Bank for SC / ST students

Many departments have departmental libraries. Teachers, on their own, give the books to the students. It helps majority of the students who either are reluctant to read the text or cannot afford to buy. A register is maintained and books are given to the students. Due to this, constant interaction takes place between the teacher and the students. In leisure time, the teachers also go through books in their own departments. In science departments where practicals are prescribed, the required manual and data sheets are available in the departmental library. Here, students can freely express their doubts and difficulties and seek clarifications. The Depts. of Humanities keep dictionaries for quick access. Science departments have their subject related dictionaries. Some departmental libraries have audio-visual teaching aids. Students are also allowed to get such aids copied. The departmental libraries prove useful for the students in many ways. New editions are added regularly and the library stock is updated with current volumes. A few departments also have eBook libraries containing titles of varied interests.

**2.3.15 How does the institution continuously monitor, evaluate and report on the quality of teaching, teaching methods used, classroom environments and the effect on student performance.**

- Teachers record methods used and comment on classroom environment in the teaching diary along with the topics covered and date and time. Regular reviews on teaching diary are conducted both at the departmental level and institutional level by Internal Quality Assurance Cell.
- The outcome of academic audit reviews is shared with all teachers in academic review meeting to enhance the impact of quality teaching on student learnings.
- The outcome of student and peer evaluation on teaching methods and classroom environment is used to improve the quality of teaching with active involvement of IQAC.

**2.4 Teacher Quality**

**2.4.1 What is the faculty strength of the College? How many positions are filled against the sanctioned strength? How many of them are from outside the state?**

- Faculty strength : 87 (39 Doctorates, 16 with M.Phil. and 4 NET qualified).
- 42 positions filled against 47 positions sanctioned by A.P. Govt.

### 2.4.2 How are the members of the faculty selected?

The teachers, who are a very vital component of this College, are classified as permanent and temporary. The institution advertises the sanctioned posts following rules of reservation of Govt. of A.P. in leading Newspapers. A Selection Committee is constituted which comprises two management members, Principal of the College, two subject experts from University to which the college is affiliated, and the Principal of Govt. College, Anantapur as Government Nominee. On receipt of the applications, the selection committee scrutinizes them and intimates the eligible candidates to appear for an interview with all their original certificates on the specified dates. On the day of the interview, the candidate is asked to give a demo-class, followed by personal interview on the subject concerned. The selected candidates are intimated of their selection and asked to report for duty. The list of the selected candidates is sent to the University for necessary-ratification. These proceedings are sent to the Commissioner of Collegiate Education, Government of A.P. Hyderabad for approval. The Correspondent declares the completion of probation after two years of satisfactory service to make the positions permanent.

Some teachers were recruited by the then A.P College Service Commission, Hyderabad, on permanent basis.

For the selection of staff for the temporary post, the Correspondent constitutes a Selection Committee comprising the Correspondent, the Principal, HOD, and Subject Expert from the University to which the College is affiliated. The candidates apply against the notified vacancies. They are intimated to attend the interview on specified dates. The candidates are asked to give a demo-class followed by the interview. After the interview is over, the Selection Committee recommends the selected candidates for appointment. The Correspondent issues the appointment orders and asks them to join the duty. Thus, this Institution has the required number of qualified and competent teachers to handle courses for all the departments. Wherever there is a need, resource persons are invited for guest lectures.

### 2.4.3 Furnish details of the faculty

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Lit.							
Ph.D.			19	03			22
M.Phil.			04	02			06
PG					01	01	02
<b>Temporary teachers (Management Appointees)</b>							
Ph.D.					04	03	07
M.Phil.					06	04	10
PG					13	17	30
<b>Part-time teachers (Visiting/Guest Faculty)</b>							
Ph.D.	08	02					10
M.Phil.							
PG							
<b>GRAND TOTAL</b>							<b>87</b>

**2.4.4 What percentage of the teachers have completed UGC-CSIR-NET, UGC-NET, and SLET exams? In that what percentage of teachers are with PG as highest qualification?**

The completion of UGC, NET and SLET exams requirement is not applicable to our teachers in view of their acquiring doctoral degree qualification prior to the cut-off date set by the authorities concerned. 15 per cent of the non-exempted lecturers have cleared their SLET examinations.

**2.4.5 Does the College encourage diversity in its faculty recruitment? Provide the following departments-wise details.**

Department	% of faculty who are product of the same college	% of faculty from other colleges within the state	% of faculty from other states	% of faculty from abroad
Physics	25	75	-	-
Botany	33	67	-	-
Commerce	40	60	-	-
Electronics	100	-	-	-
Hindi	100	-	-	-
All other Departments	-	100	-	-

**2.4.6 Does the College have the required number of qualified and competent teachers to handle all the courses for all departments? If not, how do you cope with the requirements? How many faculty members were appointed during the last four years?**

**Yes.** The college has required number of qualified, committed and competent teachers to handle all the courses for all the departments. The management appointed 47 faculty members.

**2.4.7 How many visiting Professors are on the rolls of the College?**

The number of visiting professors on the rolls of our Institution is 10.

**2.4.8 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, nomination to national/international conferences/Seminars, in service training, organizing national/international conferences etc.)**

The Management of the College is interested in enriching teachers. The teacher development is promoted through granting leave under FIP to pursue M.Phil., and Ph.D., programmes, sending the teachers for orientation / refresher courses, organizing conferences and deputing the teachers to attend national and international seminars.

In addition, in order to promote faculty development, the Institution organized National Seminars and In-Service Training Programmes by mobilizing funds through sponsorships by external and local funding agencies.

**2.4.9 Give the number of faculty who received awards / recognitions for excellence in teaching at the state, national and international level during the last four years.**

**Dr. G S Devasena**, NSS Programme Officer was honoured with “**State Best NSS Programme Officer**” by State NSS Cell, Commissioner of Collegiate Education, Hyderabad in September, 2011.

**Dr. G S Devasena**, Associate Professor of Statistics was honoured with “**State Best Teacher**” award by A.P. State Government in September 2012.

**B.V.Ramana Naidu**, care taker officer, NCC was honoured with a **Rank of “Lieutenant”** in October, 2008.

**2.4.10 Provide the number of faculty who have undergone staff development programmes during the last four years. (Add any other programme if necessary)**

Academic Staff Development Programmes	Number of faculty
Refresher courses	03
HRD programmes	09
Orientation programmes	03
Staff training conducted by the College	15
Staff training conducted by University/other Colleges	03
Summer / winter schools, workshops, etc.	06

**2.4.11 What percentage of the faculty have been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies teaching experience in other universities / national institutions and others industrial engagement international experience in teaching**

56 per cent of the faculty has been invited as resource persons for various diversified professional bodies.

**2.4.12 How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?**

The members of Internal Quality Assurance Cell of the college and other senior faculty interact with external academicians, Members of Autonomous Colleges Consortium, Members of Academic Senate and local industry experts during their

participation in National level academic meets and discuss with them extensively on curriculum, teaching – learning methods, evaluation strategies and content management by ICT centre. The outcome of the said interactions is shared among our faculty and thoroughly discussed during BOS, AC and GB meetings. Such deliberations are formalized in the form of resolutions and adopted at regular intervals.

Our faculties are actively involved in the content development. The following table illustrates their expertise.

Sl. No.	Name of the Teacher	Subject	No. of Books published
1.	Dr.P.P.V.D.N. Trisula Pani	Sanskrit	08
2.	Dr.Y.Narasimha Murthy	Physics& Electronics	07
3.	Sri P.Ravi Sankar	Commerce	03
4.	Dr.N.Ravi Sankar	Commerce	01
5.	Dr.J.Polappa	Commerce	01
6.	Dr.M.Nazeer Ahamed	History	01
7	Dr. Sairama Linga Reddy	Micro-biology	01
8	Dr. Devasena	Statistics	02
9	Dr. B. Sivarama Krishna	Zoology	03
10	Dr. S. Murali Mohan	Zoology	01
<b>Total</b>			<b>28</b>

#### 2.4.13 What are the teaching innovations made during the last five years? How are innovations rewarded?

The Institution provides high degree of autonomy to the departments in designing and executing academic activities to promote innovations and healthy practices. As teachers with creativity and imagination have been working here since its inception, the legacy of the good teacher – student relationship and variety of informal ways of learning have been in practice. The teaching innovations practiced in this Institution are cited hereunder:

- (a) Involving the advanced learners in preparing the models and teaching-aids.
- (b) Motivating the students to inculcate the regular reading habit.
- (c) Visits to Industries, laboratories, hospitals, non-governmental organizations and other peer institutions to have practical exposure as a supplement to classroom learnings.
- (d) Imparting training both to the teachers and the taught to practice ICT enabled teaching and learning.
- (e) Teaching small groups of students for better attention.
- (f) Peer teaching to encourage advanced learners.
- (g) Real time study projects to enhance analytical, application skills and research temper.
- (h) A diversity of activities like debates, seminars, presentations, mock parliament, 'Freedom of expression' (wall magazine) are conducted.

**2.4.14 Does the College have a mechanism to encourage Mobility of faculty between institutions for teaching? Faculty exchange programmes with national and international bodies? If yes, how have these schemes helped in enriching quality of the faculty?**

Our teachers are invited by Government colleges, Autonomous colleges, Junior colleges and High schools to give classroom instruction to their students. As part of their social responsibility, our teachers go to the Institutions in surrounding rural areas to educate the students and teachers. The college authorities encourage such mobility of our faculty.

Our senior faculties who are active in research are in touch with national and international bodies for a position under faculty exchange programme.

## **2.5 Evaluation Process and Reforms**

### **2.5.1 How does the College ensure that all the stakeholders are aware of the evaluation processes that are operative?**

The four-tier evaluation process (Continuous internal evaluation, Internal assessment examination, External Semester-End assessment examination and External Practical Examinations) is made known to all the stakeholders through

- College Hand Book
- Induction program
- Class room interactions
- Display on the Departmental Notice Boards

### **2.5.2 What are the major evaluation reforms initiated by the College and to what extent have they been implemented in the College? Cite a few examples which have positively impacted the evaluation management system?**

- One Internal paper based examination, instead of two, conducted for 25 marks in each semester to introduce continuous internal component viz. seminar, assignment and project work to inculcate work culture in the students enabling them to have a healthy link between the classroom and the living room.
- This aspect has enabled the teacher to assess the students from different angles of independent work culture, written and interactive abilities and continuous enhancement of concentration.
- Letter grade for Inter Disciplinary Electives and participation in community outreach programmes.

### **2.5.3 What measures have been taken by the institution for continuous evaluation of students and ensuring their progress and improved performance?**

To ensure student progress in continuous evaluation, all teachers record comments on assignment and advice the student to improve in successive submissions. In the case of class seminars, the teacher concerned shares his observations on process, content,

presentation and advice for better performance. Constructive peer feedback on the presentation adds to quality performance.

**2.5.4 What percentage of marks is earmarked for continuous internal assessment? Indicate the mechanisms strategized to ensure rigour of the internal assessment process?**

- 25% of marks are earmarked for continuous internal assessment.
- The internal tests are conducted strictly as per schedule and the scheme of exams.
- The average marks secured in assignments (25 marks) and internal test (25 marks) are taken for final reckoning.
- The internal scripts and written assignments are strictly valued by the teachers concerned paying scrupulous attention to relevant and factual details.
- The marks secured are declared to every student and the valued answer scripts and assignments are open for verification by the students in case of any grievance or otherwise.
- After the student verifies his/her answer script, the marks are recorded in marks registers by the department concerned. The award sheets are to be sent to the student evaluation division where the marks are cross checked with the marks in the departmental marks registers and computerized.

**2.5.5 Does the College adhere to the declared examination schedules? If not, what measures have been taken to address the delay?**

**Yes.** The college strictly adheres to the declared examination schedules for the two semesters planned at the beginning of each academic year.

**2.5.6 What is the average time taken by the College for declaration of examination results? Indicate the mode / media adopted by the College for the publication of examination results e.g., website, SMS, email, etc.**

The average time taken to declare the examination results is 30 days.

The results are posted on the college website, released to the newspapers, displayed on all the departmental notice boards besides making the results available in each of the departments.

**2.5.7 Does the college have an integrated examination platform for the following processes?**

**Yes.** The college has an integrated examination platform for the following.

**Pre-examination processes** – Time table generation, nominal rolls, drafting of invigilators, formation of squads, generation of attendance sheets, etc.,

**Examination Process** – Examination materials management and logistics.

**Post examination process** – Attendance capture, coding, valuation, scrutiny, auto-decoding, results processing and certification.

### 2.5.8 Has the College introduced any reforms in its Ph.D. evaluation process?

Ph.D., evaluation process is executed by affiliating university in tune with the latest guidelines of UGC.

### 2.5.9 What efforts are made by the College to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved process and functioning of the examination division/section?

- The Controller of Examinations is constantly assisted by two Additional Controllers of Examinations.
- Efforts are made to draw the required question papers from external sources in time and are set ready for conduct of the examinations on time.
- Every piece of information is computerized by a qualified and experienced computer operator.
- Two modern printing machines and the mechanism of simultaneous conduct of valuation of examination scripts by the external examiners have greatly improved the functioning of the Student Evaluation Division.

### 2.5.10 What is the mechanism for redressal of grievances with reference to evaluation?

#### Internal Assessment

**Valuation:** Any student who has a grievance about the internal tests may bring it to the notice of the lecturer concerned immediately on verification of the relevant answer scripts and get the same clarified. If he/she still feels aggrieved, he/she may appeal to the Principal in writing who will refer the matter to the Grievances Committee, specially constituted for the purpose. On the basis of the recommendations of the committee, the Principal is authorized to settle the matter.

**Rectification:** Any rectification with regard to the tabulation of internal test marks displayed should be brought immediately to the notice of the Controller of Exams. Such rectifications will invariably be completed before the preparation and issue of the marks statements of the semester concerned.

#### Semester Assessment

**Personal Identification:** A candidate may apply for personal identification of his/her answer scripts of any subject and paper within 10 days after the publication of the results.

#### Revaluation

A candidate may also apply for revaluation of any paper in any subject within 10 days of the publication of results. The criteria for evaluation are

- The student may be given advantage only when the difference of marks between the first valuation and the second valuation is 5% and above.

- If the difference is less than 5%, the student concerned will not be given any advantage.
- If the difference is more than 20%, the answer scripts will be sent for third valuation. The marks obtained in the third valuation stand good.

## 2.6. Student Performance and Learning Outcomes

### 2.6.1 Does the College have clearly stated learning outcomes for its programmes? If yes, give details on how the students and staff are made aware of these?

The syllabus framed by each department for every paper contains unitization and learning outcomes, specifying the unit wise weightage and teaching hours for each unit. This facilitates the understanding of the syllabus content by the student and the student is able to say specifically what he learns from each unit. The syllabus is thoroughly discussed by the HOD and staff members during their deliberations at the BOS meetings. At the time of inducting the students, extensive discussion is held with them and their opinion on the syllabus is obtained.

### 2.6.2 How does the institution monitor and ensure the achievement of learning outcomes?

The regular academic reviews on the syllabus and the level of understanding are conducted at the department level. The problems in implementing the syllabus and difficulties of the students are discussed by the staff members, so as to arrive at taking the outcomes to the target learners.

### 2.6.3 How does the institution collect and analyse data on student learning outcomes and use it for overcoming barriers of learning?

The Institution conducts class tests and personal interaction with the students. The outcome is analyzed based on the marks in the test and response in the interaction. Thus, slow learners and advanced learners are identified in each department. The slow learners are asked to express their doubts and difficulties. The teachers take the inputs of slow learners. The same mechanism is adopted to identify the advanced learners.

Remedial coaching classes in each subject are conducted by the teachers for slow learners. The advanced learners are instructed to clarify the doubts of slow learners in informal atmosphere. As the level of understanding of advanced learners is high, they are given projects on recent topics by the teachers. The following are the steps taken for overcoming barriers of learning of slow and advanced learners.

Slow learners	Advanced learners
• Remedial Coaching	• Student Study Projects with local relevance
• Practice sessions with instant evaluation.	• Leadership and liasoning Roles
• Interaction with advanced learners to promote peer learning.	• Preparing to participate in inter collegiate and other national level competitions.

### 2.6.4 Give Programme-wise details of the pass percentage and completion rate of students.

The details of the results of the students for the academic year 2011-2012 are given here under.

Sl. No	Course	Appeared	Distinction	First Class	Second Class	Third Class	Total No. of students passed	Pass Percentage
<b>UG COURSES</b>								
1	B.A.	48	--	34	08	--	42	87.50
2	B.Sc.	380	144	143	03	--	290	76.32
3	B.Com.	110	03	56	20	--	79	71.82
4	B.Com(Comp)	58	10	33	02	--	45	77.59
5	BBM	32	12	17	01	--	30	93.75
<b>PG COURSES</b>								
6	M.Sc. Mathematics	16	02	06	03	03	14	87.50
7	M.Sc. Electronics	35	09	15	07	04	35	100
8	M.Sc. Physics	30	07	13	05	04	29	96.67
9	M.Sc. Chemistry	36	06	14	05	05	30	83.33

*Any additional information regarding Teaching, Learning and Evaluation, which the Institution would like to include.*

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
<ul style="list-style-type: none"> <li>Mechanism to analyse the differential requirements of student population</li> </ul>	Percentage of marks, general aptitude and knowledge in the first fortnight	In addition, Special inputs in English, ICT enabled language laboratory and special orientation sessions
<ul style="list-style-type: none"> <li>Study on incremental academic growth</li> </ul>	No	66 % of incremental academic growth
<ul style="list-style-type: none"> <li>Remedial coaching</li> </ul>	Yes	5 departments conducted remedial coaching Sponsored under UGC merged scheme
<ul style="list-style-type: none"> <li>Teacher Quality</li> </ul>	Ph.D.,- 30 M.Phil.,- 08 SLET- 02	Ph.D.,- 39 M.Phil., 16 SLET-04
<ul style="list-style-type: none"> <li>Evaluation reforms</li> </ul>	Two internals	One internal + continuous evaluation with assignments, seminars and project work. Letter grade for CBIDE

## **CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION**

### **3.1 Promotion of Research**

**3.1.1 Does the College have a research committee to monitor and address the issues of research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.**

Yes. The Research Committee is constituted with the following composition.

- 1) Principal - Chairperson
- 2) UG Heads - Members
- 3) PG Heads – Members
- 4) IQAC coordinator- Member
- 5) UGC In-charge – Member
- 6) Governing Body Member

The following recommendations of the committee have been implemented.

- Assistance for teachers and students to take up research both on academic and general issues including study projects on social and financial aspects.
- Encourage the staff to pursue research leading to the award of M.Phil./Ph.D.
- Conduct special meet to motivate the teachers to prepare research proposals for applying for research projects.
- Organize state/national level seminars / workshops.
- Approach the affiliating university for more research centres.

As a result of the implementation of the above recommendations:

- The college received funds from the agencies like UGC, DST and CSIR for research activities.
- 39 teachers have earned Ph.Ds. while 16 secured M.Phils., 8 teachers are pursuing research for doctoral degrees.
- 4 of our faculty members secured Major Research Projects from UGC and DST.
- 3 teachers are working on the Minor Research Projects with UGC financial assistance.
- Most of the departments organized national level seminars with the financial assistance of UGC and APSCHE.
- S.K. University, Anantapur has sanctioned 4 Research Centers for the departments of Electronics, Physics, Mathematics and Chemistry.

**3.1.2 What is the policy of the College to promote research culture in the College?**

The comprehensive policy to promote research culture on the campus is to

- Establish research centers in all departments and promote Interdisciplinary Research.
- Strengthen the research centers with state-of-the-art infrastructure.
- Increase the number of research supervisors to guide scholars of various universities.
- Sanction study leave for staff to pursue research courses.
- Subscribe to various national and international journals.
- Deploy e-resources to pursue collaborative research.
- Encourage papers publication in reputed journals with incentives.
- Organise national and international seminars and workshops.
- Recognize active researchers with awards.
- Conduct enrichment programmes to prepare UGC minor and major research project proposals.

**3.1.3 List details of prioritised research areas and the areas of expertise available with the College.**

Departments associated with Interdisciplinary Research	<ul style="list-style-type: none"> <li>♦ Physics and Electronics</li> <li>♦ Zoology, Botany and Micro-biology</li> <li>♦ Commerce and Economics</li> <li>♦ Political Science and History</li> </ul>
Prioritised research areas	<ul style="list-style-type: none"> <li>♦ Adhoc-Networks (Network with out base stations)</li> <li>♦ Data mining and OLAPS</li> <li>♦ Metals and Pesticidel pollution</li> <li>♦ Financial Management, Human Resource Management, Marketing Management, Operations Management, Co-operative banking, Insurance, Trends in Agriculture and Industrial production.</li> <li>♦ Power distribution between Union and States, Archaeology</li> <li>♦ Liquid Crystals, Embedded device</li> <li>♦ VLSI</li> <li>♦ Physico-chemical properties of Liquids and solutions</li> <li>♦ Nano materials</li> <li>♦ Photovoltaic devise</li> <li>♦ NMR studies</li> <li>♦ Silkworm Immunology</li> <li>♦ Tickka Diseses-Fungal influence-Morphological and Biochemical studies</li> </ul>
Expertise available	<ul style="list-style-type: none"> <li>♦ Highly motivated pro-active research supervisors</li> <li>♦ +15 years research experience</li> <li>♦ Average impact factor</li> <li>♦ Major and Minor research projects</li> <li>♦ Paper presentations at National and International level meet.</li> </ul>

### **3.1.4 What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/projects?**

The following are the steps taken to facilitate smooth implementation of research schemes / projects:

- The researchers are granted full freedom to utilize overhead charges for travel and purchase of necessary equipment required for research.
- Grants are released immediately as and when requested for.
- Audit reports on the expenditure incurred are submitted to the authorities / agencies within the prescribed time frame.
- Fund utilization certificates are also submitted to the funding agencies in time.

### **3.1.5 How is interdisciplinary research promoted?**

The Departments associated with Interdisciplinary research in the college are

- Physics and Electronics
- Zoology, Botany and Micro-biology
- Commerce and Economics
- Political Science and History

The faculty members of the Institution are engaged in collaborative research in the form of interaction and exchange of views in experimentation work. Dr.Y.Narasimha Murthy, Associate Professor of Physics and Electronics Department In-charge made use of research arrangements in Embedded systems and VLSI of Indian Institute of Science, Bangalore.

### **3.1.6 Enumerate the efforts of the College in attracting researchers of eminence to visit the campus and interact with teachers and students?**

Our Institution believes that research enhances the quality of academic functioning. The efforts taken by the college to attract eminent researchers to interact with teachers and students are given below:

- Inviting eminent researchers to deliver key-note addresses at the National level, State level seminars and the workshops.
- Conducting interactive sessions to teachers and students with the scholarly people and scientist-participants.
- Eminent researchers who come to the local universities on various issues also visit our campus on the request of our correspondent, being a member on executive council of SKU and SVU for the last 3 decades.
- Utilizing the provisions of UGC-CPE and APSCHE sponsored faculty enrichment programmes.

### 3.1.7 What percentage of faculty has utilized sabbatical leave for research activities? How has the provision contributed to the research quality and culture of the College?

25 percent of our teachers have utilized study leave and acquired M.Phil., and Ph.D., degrees and to participate in National and International seminars. It has enhanced their research output as they have published various research articles in leading journals.

The research quality and culture have also picked-up momentum as these faculty members have been made in-charge of the research centers to guide research scholars.

### 3.1.8 Provide details of national and international conferences organized by the College highlighting the names of eminent scientists/scholars who participated in these events.

Sl. No.	National /International Conferences	Eminent Scientists/Scholars Participated
1	A National Seminar on “Challenges in Life Sciences in Recent Era” organized by Department of Life Sciences on 26-02-2008	<ul style="list-style-type: none"> <li>• Prof. Pakki Reddy, Co-ordinator, Netherlands Bio-technology Programmes.</li> <li>• Prof. A. Rama Chandra Reddy, Vice Chancellor, Yogivemana University, Kadapa.</li> <li>• Prof A. Rama Rao, Vice Chancellor, S.K. University, Anantapur.</li> </ul>
2	National Symposium on “Recent Trends in VLSI Design” organized by Department of Electronics on 12 <sup>th</sup> & 13 <sup>th</sup> April 2008	<ul style="list-style-type: none"> <li>• K. R. Gunasekhar, Principal Scientific Officer, I.I.Sc., Bangalore</li> <li>• Dr. I. Gurrappa, Scientist-F, DMRL, Hyderabad</li> <li>• Dr. V. N. Mani, Scientist-F, Dept. of IT, Hyderabad</li> </ul>
3	Workshop on “Application of Statistical Tools and Techniques” through MS Excel, organized by Department of Statistics on 25-06-2008	<ul style="list-style-type: none"> <li>• Prof. Y. Venkatarami Reddy, APPSC Chairman, Hyderabad</li> <li>• Dr. G. R. Maruthi Sankar, Principal Scientist, CRIDA, Hyderabad</li> <li>• Prof. K. V. S. Sarma, Professor of Statistics, S. V. University, Tirupathi</li> <li>• Prof. Y. Krishna Reddy, IIIT Director, Edupulapaya, Kadapa District.</li> </ul>
4	National Seminar on “English Language Teaching” organized by Department of English on 09 <sup>th</sup> & 10 <sup>th</sup> January 2010	<ul style="list-style-type: none"> <li>• Prof. C. R. Visweswara Rao, Former VC, Vikram Simhapuri University, Nellore, A.P.</li> <li>• Prof. V. Rajendra Prasad, Dept. of English, S.K. University, Anantapur</li> <li>• Prof. S. Mohan Raj, EFLU, Hyderabad</li> </ul>

5	National Seminar on “Moral Values” organized by Department of Sanskrit on 20-04-2010	<ul style="list-style-type: none"> <li>• Prof K. Satya Narayana, Dept. of Sanskrit, Nagarjuna University, Guntur</li> <li>• Swami Sukruthananda, Ramakrishna Mission, Kadapa</li> <li>• Swami Atmavidananda, Chinamaya Mission, Anantapur</li> <li>• Prof. Salaka Raghunatha Sharma, Dept. of Telugu, Rajamundry.</li> </ul>
6	Workshop and training programme on “PCR Technology in Molecular Applications” organized by Departments of Zoology & Botany on 26-02-2010	<ul style="list-style-type: none"> <li>• Prof Dayananda, University of Hyderabad, Hyderabad</li> <li>• Prof. D. V. R. Sai Gopal, Dept. of Virology, S. V. University, Tirupati.</li> </ul>
7	National seminar on “Modern Trends in Organic Synthesis” organized by Department of Chemistry on 08-03-2010	<ul style="list-style-type: none"> <li>• Prof. K.R Prasad, Dept. of Organic Chemistry, IISc, Bangalore</li> <li>• Prof. E. Suresh, Dept. of Chemistry, National College, Bangalore</li> <li>• Prof. Venkata Ramana, Dept. of Material Science, Gulbarga University, Gulbarga</li> <li>• Dr. Borkutty, Scientist, BARC, Mumbai</li> </ul>
8	National Seminar on “Emerging Materials and Technologies (EMT-2010)” organized by Department of Physics on 09 <sup>th</sup> & 10 <sup>th</sup> October 2010	<ul style="list-style-type: none"> <li>• Prof G. Mohan Rao, IISc, Bangalore</li> <li>• Dr. A. K. Tyagi, Scientist-F &amp; Head, IGCAR, Kalpakkam, Tamilnadu</li> <li>• Dr. D. S. Patil, Scientist-F, BARC, Mumbai</li> <li>• Dr. R. Muralidharan, Scientist-F &amp; Director, SSPL, New Delhi</li> </ul>
9	National Seminar on “Recent Trends in Mathematics” organized by Department of Mathematics on 12-10-2010	<ul style="list-style-type: none"> <li>• Prof. U. Madan Swamy, Andhra University, Vishakhapatnam</li> <li>• Prof. J Hanumanthachari, Retd. Professor, S.V. University, Tirupathi</li> <li>• Prof. P. V. Arunachalam, Ex-vice chancellor, Dravidian University, Kuppam</li> <li>• Prof. K. Suvarna, S.K. University, Anantapur</li> </ul>
10	Workshop on “Radio Chemistry and Applications of Radio Isotopes” organized by Department of Chemistry on 17-10-2011	<ul style="list-style-type: none"> <li>• Prof. K. Vasantha Kumar Pai, Dept. of Chemistry, Kuvempu University, Shimoga</li> <li>• Prof. M.B. Halli, Dept. of Chemistry, Gulbarga University, Gulbarga</li> <li>• Dr. K. V. Chetty, Scientist, BARC, Mumbai</li> </ul>

11	<ul style="list-style-type: none"> <li>• Workshop on “Students’ expectations, responsibilities and participation in quality measures”</li> <li>• Seminar on “Threats, Difficulties and Constraints in maintenance of quality education”</li> <li>• Workshop on “Quality in Higher Education”</li> <li>• Seminar on “IQAC-Role in standardization of academic criteria”</li> </ul>	<ul style="list-style-type: none"> <li>• Prof. P. V. Arunachalam, Ex-vice Chancellor, Dravidian University, Kuppam</li> <li>• Prof. K. Suvarna, S.K. University, Anantapur</li> <li>• Prof. C. R. Visweswara Rao, Former VC, Vikram Simhapuri University, Nellore, A.P.</li> <li>• Dr. Ramana Rao, Incharge-quality assurance cell, CCE, Hyderabad</li> </ul>
12	<p>“National Seminar on Analysis and Algebra” organized by Department of Mathematics on 28-11-2011</p>	<ul style="list-style-type: none"> <li>• Prof. P.V. Arunachalam (Retd.), Former Vice Chancellor, Dravidian University, Kuppam</li> <li>• Prof. G. Sarojamma, Vice-chancellor, Sri Padmavathi Mahila University, Tirupathi.</li> <li>• Prof. K.N. Venkata Siva Murthy,(Retd.), Dept. of Mathematics, S.K. University, Anantapur</li> </ul>
13	<p>National Seminar on “Dimensions of Entrepreneurship development in 21<sup>st</sup> century” organized by Department of Commerce on 17-12-2011</p>	<ul style="list-style-type: none"> <li>• Prof. A. V. Ramana, Dept. of Commerce, S K University, Anantapur</li> <li>• Prof. C. Suresh, Dept. of Commerce, Mysore University, Mysore</li> <li>• Prof. P. Narayana Reddy, Director National Institute of Tourism and Hospitality Management, Hyderabad</li> </ul>
14	<p>National Seminar on “Human Values in Sanskrit Literature” organized by Department of Sanskrit on 28<sup>th</sup> &amp; 29<sup>th</sup> April 2012</p>	<ul style="list-style-type: none"> <li>• Prof. V. S. Vishnu Potty, Registrar and Acting Vice-chancellor, SCSVMV University, Kanchipuram.</li> <li>• Prof. K. B. Archak, Karnataka University, Darwad.</li> <li>• Prof. T. Kesavanarayan Vedalankar, Director, Sanskrit Academy, O.U. Hyderabad</li> <li>• Prof. K. Hayagreeva Sharma, Dept. of Sanskrit, S. V. University, Tirupathi</li> </ul>
15	<p>Two day National seminar on “Access, Opportunities and Challenges of Gender Equity Education” organized in association with Star Youth Association(SYA) on 18<sup>th</sup> &amp; 19<sup>th</sup> August 2012</p>	<ul style="list-style-type: none"> <li>• Sri V. Durga Das, District Collector, Anantapur</li> <li>• Smt. Sugunamma, Project Officer, ICDS, Anantapur</li> <li>• Sri S.C. Hussain, President &amp; CEO, SYA, Velugodu</li> <li>• Smt. M.J.B.B. Indira Devi, Asst. Project Director, Women &amp; Child Welfare, Anantapur</li> <li>• Sri D.V. Rama Murthy, Deputy Director, Adult Education, Anantapur</li> </ul>

		<ul style="list-style-type: none"> <li>• Sri. R. Rama Rao, Deputy Director, Adult Education, Anantapur</li> </ul>
16	Six day Workshop on “Radio Chemistry And Applications Of Radio Isotopes” organized by Department of Chemistry on 06 <sup>th</sup> to 11 <sup>th</sup> October 2012	<ul style="list-style-type: none"> <li>• Dr. K.V Ramakumar, President, IANAS &amp; Director, RC&amp;I group, BARC, Mumbai</li> <li>• Dr. A.V.R Reddy, Head Analytical Chemistry Division, BARC, Mumbai</li> <li>• Dr. U.M. Kasar, Radio Chemistry division, BARC, Mumbai</li> </ul>

### 3.1.9 Details on the College initiative in transferring/advocating the relative findings of research of the College and elsewhere to the students and the community (lab to land).

The college entered into MOUs with different small scale enterprises recently and the initiatives in transferring research findings and testing their commercial viability in the market is in the greenhorn stage.

A two-day “Lab-to-Land” programme was organized in life sciences and physical sciences for high school teachers of our district. The skill and knowledge was disseminated to the trainees and they were exposed to modern and sophisticated scientific equipment, concept and given “hands-on-experience” during the training. This programme was funded by UGC under CPE grant.

### 3.1.10 Give details on the faculty actively involved in research (Guiding student research, leading research projects, engaged in individual or collaborative research activity etc.)

A distinct feature of our Institution is the establishment of Research Centers in the Departments of Electronics, Physics, Chemistry and Mathematics. Sri Krishnadevaraya University, Anantapur accorded permission to the Associate Professors of the departments to guide M.Phil. and Ph.D. scholars.

Apart from producing research articles, our faculty members have also been acting as research Supervisors guiding M.Phil., and Ph.D., scholars of various Universities in the country. The following are the details.

S. No	Name of the Faculty	Department	M.Phil. Awarded	Ph.D. Awarded	M.Phil. On going	Ph.D. On going
1	Dr. K. Nirmalamma	Commerce	3	-	-	-
2	Dr. R. Karunakar Reddy	Economics	4	-	-	-
3	Dr. M. Nazeer Ahamed	History	3	-	1	1
4	Dr. B. Sivarama Krishna	Zoology	7	-	2	-
5	Dr. M. Ravindra	Maths	14	-	-	3
6	Dr. S. Murali Mohan	Zoology	0	-	1	-
7	Dr. Y. Rajendra Prasad	Maths	10	2	-	2
8	Dr. N. Ravi Shankar	Commerce	4	-	2	-
9	Dr. Y. Narasimha Murthy	Phy./Elc.	4	2	-	4

10	Dr. C. Prabhakar Raju	Botany	2	-	1	-
11	Dr. J. Polappa	Commerce	1	-	-	-
12	Dr. K. Gopal Reddy	English	4	-	4	2
13	Dr. Y Munikrishna Reddy	Physics	20	-	1	4
14	Dr. U. Venkata Ramana	English	11	-	6	2
15	Dr. C. Ramanjaneyulu	Political Sci.	2	-	-	-
16	Dr. D. Sailaja	Physics	1	-	4	3
17	Dr. K. Chandrasekhar Reddy	Physics	9	-	3	4
	TOTAL		99	04	25	25

### 3.2 Resource Mobilization for Research

#### 3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization for last four years.

In addition to BSR, major and minor research project grants, APSCHE, 20% of CPE grant and UGC Additional Assistance Grant earmarked for research.

S. No.	Expenditure head	Allocation (2008-2012)Rs	Utilization (2008-2012)Rs
1	Faculty Enrichment Programme	7,05,000	7,00,000
2	Seminars and Workshops	10,05,000	10,05,000
3	Equipment and Infrastructure	60,50,000	57,91,300
4	Research contingency and overhead charges	14,10,000	14,05,000
5	Awards to research promotion	10,000	10,000
6	Travel Grant	2,00,000	2,00,000
7	Journals and Books	12,50,000	12,50,000
8	Project fellow	6,50,000	3,13,000
9	Chemicals and Glassware	2,50,000	2,05,000

#### 3.2.2 What are the financial provisions made in the College budget for supporting student research projects?

The College encourages student research projects with a special allocation of budget. In addition, alternative ways and means are explored to acquire necessary funds in the form of financial assistance and sponsorships by funding agencies and local industry. The UGC provides financial assistance under PTAC category. The staff and students pool up their own resources for local student study projects.

#### 3.2.3 Is there a provision in the institution to provide seed money to faculty for research? If so, what percentage of the faculty has received seed money in the last four years?

The college initiated local 'Industry-Academia Meet' to start college-industry cell and call for seed money to the research focusing on local relevance.

**3.2.4 Are there any special efforts made by the College to encourage faculty to file for patents? If so, provide details of patents filed and enumerate the sanctioned patents.**

No

**3.2.5 Provide the following details of ongoing research projects:**

S. No	Principle Investigator/ Project type	Project Title/Year	Funding agency	Total Layout
1	Dr.Y.Narasimha Murthy, Associate Prof .of Physics Major Research Project	“Design and Development of Embedded based system for the Monitoring and Measurement of Environmental parameters”, February 2010 to February 2013	UGC	Rs.8,26,800

**3.2.6 How many departments of the College have been recognized for their research activities by national / international agencies (UGC-SAP, CAS, DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthrough due to such recognition.**

The Department of Physics has been recognized for its research activity by UGC-SAP. The total financial assistance received from UGC is Rs. 17,78,600/-

- Many types of different Metal doped contact Schottky are available commercially for industrial purpose. They are used particularly in measuring devises, photovoltaic devices, communication devises, laser switches etc. Nickel doped Schottky is an advantageous, sensitive type of semi-conductor over other available semiconductors, which is designed through our research work. At temperature 200<sup>0</sup> to 400<sup>0</sup> C. Nickel modifies its physical properties to act as a semi-conductor comparative to other metals of the same group. It is comparatively commercially cheap and operationally fast with low noise.
- UGC MRP on design and development of PC based measurement system for the conductivity measurements of nonionic surfactants has been carried out with a funding of Rs.8.7 Lakhs. Surfactants are surface active agents. They reduce the surface tension of water by absorbing at the liquid gas interface. They also reduce the interfacial tension between oil and water by absorbing at liquid interface. They may have practical applications and play a very important role particularly in soap and detergent industries. They are used in products like detergents, emulsifies, emulsions, paints, adhesives, inks antifogging etc. Analysis of conductivity and electronic data are allowed to calculate the diffusion coefficient. By this we can verify various electrochemical, electro kinetic and electronic theories in these liquids. Studies were conducted on conductivity and electronic measurements of selected nonionic surfactants in nonpolar liquids. The results obtained are in good agreement with the literature data. Hence a PC based measurement system is

designed and developed for the above measurements and studies were conducted on conductivity and electroacoustic measurements of selected nonionic surfactants in nonpolar liquids. The results obtained are in tune with the literature data and the designed instrument traces the fair degree of accuracy within the experimental limits. The study is a blend of Physical and Chemical sciences with instrumentation making it a highly interdisciplinary in nature.

**3.2.7 List details of completed research projects undertaken by the College faculty in the last four years and mention the details of grants received for such projects (funded by Industry/National/International agencies).**

S. No	Principle Investigator/ Project type	Project Title/Year	Funding agency	Total Layout
1	Dr.D. Sailaja Associate Prof .of Physics Major Research Project	“PC based Conductivity and Electroacoustic Measurements of some Surfactants in Non-Polar Liquids”, May 2009 to April 2012	UGC	Rs.8,71,800
2	Dr.Y. Munikrishna Reddy Associate Prof .of Physics Minor Research Project	“Study of Current –Voltage-Temperature (I-V-T) and Capacitance-Voltage-Temperature (C-V-T) Characteristics of Schottky Contacts on n-type In”, July 2010 to August 2012	UGC	Rs.80,000

### 3.3 Research Facilities

**3.3.1 What efforts are made by the College to keep pace with the infrastructure requirements to facilitate Research? How and what strategies are evolved to meet the needs of researchers?**

The research ambience is created by the college. All the required infrastructure facilities like rooms, equipment and materials for conducting research have been provided as recommended by the research committee to the research centers.

**3.3.2 Does the College have an information resource centre to cater to the needs of researchers? If yes, provide details on the facility.**

**Yes.** The library and ICT centre are information resource centers. They have sufficient research journals, e-journals, e-books, net facility and internet facilities to cater to the needs of researchers.

**3.3.3 Does the College provide residential facilities (with computer and internet facilities) for research scholars and faculty?**

**No.**

**3.3.4 Does the College have a specialized research centre/ workstation to address challenges of research programmes? If yes, give details.**

**Yes.** The Departments of Electronics, Physics, Mathematics and Chemistry have specialized research centers to carry-out subject-related research in general and interdisciplinary research in particular.

**3.3.5 Does the College have research facilities (centre, etc.) of regional, national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.**

**Yes.** The College has four S.K.University recognized research centers in Electronics, Physics, Chemistry and Mathematics. All local researchers of other universities are allowed to use the facilities with a formal request.

**3.4. Research Publications and Awards**

**3.4.1 Highlight the major research achievements of the College through the following:**

The papers presented and publication work by the faculty members are presented below :

S. No	Department	Name of the Faculty	Number of papers presented	Number of Publications
1	English	Dr.K. Gopal Reddy	7	2
		Dr.U. Venkata Ramana	6	2
2	Sanskrit	Dr.P.P.V.D.N.T. Paani	6	9
3	Telugu	Dr.N. Rasool	7	
		Kum C. Deevana	5	
4	Electronics	Dr.C. Saritha	4	8
		Dr.V. Sukanya	4	8
5	Statistics	Dr.G.S. Devasena	9	3
6	Chemistry	Dr.G. Ramanjaneyulu		2
		B. Sreenivasa Rao		2
		Dr.M. Madhusmitha		1
		Dr.K.N. Rammohan		1
7	Computer Science	M. Murali Mohan Reddy	1	3
8	Physics	Dr.Y. Narasimha Murthy	15	30
		Dr.Y. Munikrishna Reddy	18	11
		Dr.K. Chandrasekhar Reddy	6	10
		Dr.D.Sailaja	2	11
9	Zoology	Dr. B. Siva Rama Krishna	25	30
		Dr. S. Murali Mohan	5	6
10	Botany	Dr. C. Prabahakara Raju	7	16
		Lt.B.V. Ramana Naidu	6	2

11	Commerce	Dr. K. Nirmalamma Dr. N. Ravi Shankar	8 3	3 15
12	History	Dr. M. Nazeer Ahammed	5	5
13	Maths	Dr M. Ravindra Dr. Y. Rajendra Prasad	2 2	2 2
14	Biotechnology	Dr M. Padmavathi	3	1
15	Microbiology	Dr. Sairamalinga Reddy	5	10
		<b>TOTAL</b>	<b>161</b>	<b>194</b>

**3.4.2 Does the College publish research journal(s)? If yes, indicate the composition of the editorial board, publication policies and whether it is listed in international database?**

No.

**3.4.3 Give details of publications by the faculty:**

- Number of papers published in peer reviewed journals (national / international)=194
- Monographs = 01
- Chapters in Books = 20 chapters
- Editing Books =02
- Books with ISBN numbers with details of publishers = 978-93-80831
- Impact factor – range / average= 2

**3.4.4 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty.**

S. No	Name of the Faculty	Department	M.Phil. (Awarded)	Ph.D. (Awarded)
1	Dr. K. Nirmalamma	Commerce	3	-
2	Dr. R. Karunakar Reddy	Economics	4	-
3	Dr. M. Nazeer Ahamed	History	3	-
4	Dr. B. Sivarama Krishna	Zoology	7	-
5	Dr. M. Ravindra	Maths	14	-
6	Dr. S. Murali Mohan	Zoology	1	-
7	Dr. Y. Rajendra Prasad	Maths	10	2
8	Dr. N. Ravi Shankar	Commerce	4	-
9	Dr. Y. Narasimha Murthy	Phy./Elc.	4	2
10	Dr. C. Prabhakar Raju	Botany	2	-
11	Dr. J. Polappa	Commerce	1	-
12	Dr. K. Gopal Reddy	English	4	-
13	Dr. Y. Munikrishna Reddy	Physics	20	-
14	Dr. U. Venkata Ramana	English	11	-
15	Dr. C. Ramanjaneyulu	Political Sci.	2	-
16	Dr. D. Sailaja	Physics	1	-
17	Dr. K. Chandrasekhar Reddy	Physics	8	-
		<b>TOTAL</b>	<b>99</b>	<b>04</b>

### 3.4.5 What is the stated policy of the College to check malpractices and misconduct in research?

Enough care is taken by the departments engaged in research to avoid 'plagiarism'. The university has recently initiated anti plagiarism through TURNITIN and the four research centres of the college entered the plagiarism check to the university.

### 3.4.6 Does the College promote interdisciplinary research? If yes, how many inter departmental / inter disciplinary research projects have been undertaken and mention the number of departments involved in such an endeavor.

Yes. Interdisciplinary research is a recent initiative of the college. A research project on "Confirmation dependence of Amino Acid substitution peptide" in Interdisciplinary area is under implementation by Zoology and Physics Departments.

### 3.4.7 Mention the research awards instituted by the College.

The management of the college honours best researchers based on their publications during the year and its average impact factor.

### 3.4.8 Provide details of

- Research awards received by the faculty
- Recognition received by the faculty from reputed professional bodies and agencies

The following table shows the research awards and recognition received by the faculty.

Sl. No	Name	Designation	Research Award	Organization & Year
1.	Dr.K. Sreerami Reddy	Associate Prof .of Telugu	Best Theses (Gold Medal)	S.K. University, Anantapur.
2.	Dr.B. Sivaramakrishna	Associate Prof .of Zoology	Best Scientist (Gold Medal)	National Environmental Sciences, New Delhi.

### 3.4.9 State the incentives given to faculty for receiving state, national and international recognitions for research contributions.

College management continuously encourages the faculty recognized for their research contributions by providing world class state-of-art infrastructure, travel grant for enrichment, research contingency and flexibility in teaching work load to facilitate the research according to the recent trends in their thrust areas.

### 3.5 Consultancy

#### 3.5.1 What is the stated policy of the College for structured consultancy? List a few important consultancy services undertaken by the College.

The faculty with relevant expertise provides non-commercial consultancy services to the local organizations on their request. The management not yet formalized clear policy for structured consultancy keeping in view of narrow scope in this lesser degree of industrialization area.

Sl. No.	Department	Nature of Consultancy Service	Beneficiary
1.	Hindi	Promotion of Hindi	Syndicate Bank, State Bank, Post Office & Hindi Premi Mandali.
2.	Zoology	Anchor, Advisor & Adjudicator	District Science Centre, Anantapur.
		Free EAMCET coaching	Sri Sathya Sai Seva Samithi, Anantapur.
		Quiz Master	Adolescence AIDS Awareness, YUVA.
		Resource Person	SKIAD and BC Study Circle, Anantapur.
3.	Electronics	Technical Solutions	Hi.Q. Electronics, Hyderabad.
4.	Computer Science	Project Impact Analysis	RDT-FVF, Accession Freterna Anantapur.
		Definition of Impact Indicators	
		Budgets and Planning	
		Development Resource Planning	
5.	Botany	Development of Central Park	Anantapur Municipality, PTC, S.V. Degree College, Vysya Hostel.
		Campus Beautification	
6.	History	Counsellor	PTC, Anantapur.
		Resource person	SKIAD, Anantapur.
7.	Physics	Practical classes to all the three year B.Sc., students	Govt. Degree College, Dharmavaram.
8.	Commerce and Business Management	Accounting practices	Local business units.
		Organization & Management Issues	
9	English	Communication Skills	Local schools, Degree and Nursing colleges.
		English for Departmental exams for Promotions	A.P.G Bank, Anantapur.

**3.5.2 Does the College have College-industry cell? If yes, what is its scope and range of activities?**

In recent academia-industry meet, initiatives made to start college-industry cell for collaborative research work and to test commercial viability of research outcome in the real world scenario.

**3.5.3 What is the mode of publicizing the expertise of the College for consultancy services? Mention the departments from whom consultancy was sought.**

The college management and senior faculty informally publicize the faculty expertise and its local needs relevance in all public-fora and invite their attention for request of our non-profitable consultancy services.

Departments of English, Hindi, Zoology, Electronics, Computer Science, Botany, History, Physics, Commerce and Business Management offered consultancy services to the diversified beneficiaries.

**3.5.4 How does the College encourage the faculty to utilize the expertise for consultancy services?**

College management continuously encourages the expert faculty recognized for their consultancy services by providing necessary inputs and flexibility in teaching work load to facilitate consultancy services as per the local needs.

**3.5.5 List the broad areas of consultancy services provided by the College and the revenue generated during the last four years.**

The Institution provides free of cost consultancy services in the following two broad areas.

**1. Teachers Academic Consultancy Service**

The academic excellence of our teachers is utilized by the Science centers at the district and state level, municipal authorities, RDT, Peer institutes in their capacities as resource persons. They also participate as chairpersons, moderators in seminars, symposia and conferences and act as quiz masters. The consultancy services of the members of different departments are offered to UG and PG programmes of IGNOU, Dr.B.R.Ambedkar Open University and Acharya Nagarjuna University study centers and SKIAD and BC Study Circles for competitive examinations. The district officials, government and non-government service organizations and local colleges utilize the expertise of the college faculty in service activities as subject experts for appointments.

**2. Learners and Teachers Community Consultancy Service**

It includes providing inputs to the programmes on health and hygiene awareness, blood donation, food and nutrition, awareness on epidemics, AIDS and HIV

awareness. The Lions Club, Rotary Club, Manavatha Blood Donors Association, Blood Bank at Govt. General Hospital, RDT, Red Cross Society, Municipal Corporation contact our volunteers through in-charge staff for implementation of their programmes. The knowledge of students is utilized for socio-economic surveys, eradication of social evils, creating awareness on human rights and commercial and industrial issues. The NSS and NCC Programme Officers and volunteers work in co-ordination with the Government officials for state level and district level programmes. All these services are free of cost.

### **3.6 Extension Activities and Institutional Social Responsibility (ISR)**

#### **3.6.1 How does the College sensitize the faculty and students on Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience.**

As part of its social responsibilities, the college sensitizes the faculty and students by arranging special awareness and training programmes on various aspects of social services including moral values. Our two NSS units and SAGE, the social arm of SSBN, are the right platforms for inculcating the sense of social service in our student youth.

The college has involved number of social service units and NGOs like Chinmaya Mission, Vivekananda yoga Kendra, Aurobindo Society-Puducherry, the Support Centre for Women of Rural Environmental Development Society (REDS), Anantapur and SVYASA (Swamy Vivekananda Yoga and Spiritual Attainment) University, Bangalore. Besides the government officials like Social Welfare officers, ICDS Project Directors and Revenue Divisional officers have encouraged and inspired our students and staff with their experiences and speeches on the importance of voluntary blood donation, the ill effects of HIV/AIDS, domestic violence against women etc.

Prof. Subramanyamji, Dean of SVYASA University, Bangalore, also visited our Institution and interacted and motivated our students to work for the uplift of village community and urban poor in 2010 and 2011.

Social outreach programmes undertaken by the college:

- Clean and green programmes in the villages
- Blood grouping and Blood donations for the villagers
- Free Dental camp for school children
- Free Eye camp for the village aged
- Awareness programmes on Superstitions, Illiteracy and Seasonal diseases
- Laying /repairing roads
- Village adoption
- Voter enrollment promotion and Voter awareness development

#### **3.6.2 How does the College promote College-neighborhood network and student engagement, contributing to holistic development of students and sustained community development?**

The College instituted the functional units of NSS, NCC, ECO Club and Red Ribbon Club to promote institution-neighborhood network and sustained community development with the slogan “Personality development through community service”. The students are engaged on the programmes on health and hygiene awareness, blood donation, food and nutrition, awareness on epidemics, HIV/ AIDS awareness. The Lions Club, Rotary Club, Manavatha Blood Donors Association, Blood Bank at Govt. General Hospital, RDT, Red Cross Society and Municipal Corporation contact our institution for our student volunteers for implementation of their programmes. The knowledge of students from humanities is being utilized for socio-economic surveys, eradication of social evils, creating awareness on human rights and commercial and industrial issues. The college, through its NSS activities, has significantly contributed to the development of nearby rural areas.

### **3.6.3 How does the College promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?**

The college provides a wide choice of extension to the students and faculty to serve the local community and develop a positive all-round personality. A ‘letter grade’ is awarded in recognition to the student participation during their course.

The College promotes participation of students and faculty in extension activities by motivating them in the special programmes addressed by eminent social activists and academics like Prof Subramanyamji, Dean, SVYASA University, Bangalore and Swamy Sukrutananda Maharaj, Ramakrishna Mutt, Kadapa.

Faculty members are invited to the Special Camps of NSS and NCC in various adopted villages. Observation of various national and international days including NSS day on 24 September, Worlds Aids day on 1<sup>st</sup> December every year also facilitates the participation of the staff and students.

**NSS, NCC, ECO Club, Red Ribbon Club and the social arm-SAGE** conduct the extension activities. The following are the details of the extension activities conducted.

#### **NSS (National Service Scheme)**

At present there are 2 NSS units with 100 student strength each working in the college enabling the students to develop their personality through community service with the motto of “NOT ME BUT YOU.”

- A signature campaign was organized in connection with Jang-e-Azadi (150 years of 1<sup>st</sup> war of Independence 1857) in May 2007.
- A special camp was conducted in Itukalapalli village 15Kms away from Anantapur town in June 2007. Free Blood Grouping, Diabetic Screening, Eye Checking were organised for local villagers. 5 persons were operated for IOL and 25 spectacles were distributed free of cost.
- A mega eye conjunctivitis prevention Homeo Camp was organized for the benefit of SSBN High School children during September 2007.

- One day seminar on Communication skills was organized.P.Mahesh, Manager, NESS Technologies, Hyderabad addressed the volunteers in October 2007.
- Balasubramanyam and Bharathalakshmi of II B.Sc., participated in Pre Republic Day camp held at Gwalior, Madhya Pradesh, 2007.
- M. Manohar Reddy (II B.A) participated in NIC at Bhundelkhand University, Jhansi, U.P. in December 2007.
- Dr. S. Murali Mohan, Programme Officer participated in training of trainers on “Youth in Social Harmony and National Unity” at RGNIYD at Sri Perumbudur from Dec.12 to 18,2007 and three day workshop in the preparation of training material for youth leadership and personality development at RGNIYD, Sriperumbudur, Tamilnadu, from January 3 to 5, 2008.
- A two-day workshop on Personality Development and Communication Skills in English was organised in February 2008.
- Eleven Volunteers participated in the Youth Leadership Training Programme held at Govt. Degree College, Anantapur in 2008.
- A two day Workshop on Communication Skills was organized in our college in 2008. 65 volunteers of different degree colleges of Anantapur district participated. P.Mahesh, Hyderabad and Chaitra, Bangalore are the resource persons.
- K.B. Jhansi Rani of II B.Com participated in two day Workshop at RJNIYD, Sriperumbudur, Tamilnadu in 2008.
- 26 women volunteers were imparted a one month training programme in “Garment Making” and in “Tailoring”, three month certificate course in “Beautification” in Girls ITI, Anantapur, in May 2008.
- Our NSS volunteers participated in four National Integration Camps at Tanjore (3 volunteers), Tirurangadi, Kerala (1 volunteer and 1 programme officer) Shimoga, Karnataka (2 volunteers), Sindanur (5 volunteers) in July 2008.
- P. Ramesh II B.Com, one of our volunteers, is honoured as “Best Volunteer” and “Best Folk artist” at Tirurangadi Camp in 2008.
- K.B. Jhansi Rani of II B.Com participated in Pre-Republic Day Camp organized at Aditya Engineering College, East Godavari in October 2008.
- Five of our NSS volunteers participated in South Zone Inter University Youth Festival organized by Calicut University in December 2008.
- Our NSS volunteers participated in two day Inter Collegiate Youth Festivals organized by Sri Krishnadevaraya University, Anantapur in December 2008 and won prizes in 13 events.
- Our NSS volunteers have **donated 200 units of Blood** to the poor patients of RDT Hospital, Battalapally, Indian Red Cross Society, Anantapur, Govt. General Hospital, Anantapur and Manavatha Blood Bank, Anantapur in 2009.
- Five NSS volunteers participated in Summer Mega Camp on “Employment Opportunities Creation” organised by Rajiv Gandhi National Institute for Youth Development, Sriperambudur, Tamilnadu, in July 2009.
- Our college NSS units conducted a three day ‘Youth Leadership Training Programme’ for NSS volunteers of various degree colleges of Anantapur District in February 2010.

- Our NSS volunteers also took part in Adventure Camp organized at Konandur of Karnataka and Trecking and Hill climbing at Whimi, Himachal Pradesh in 2010.
- Volunteers donated blood at Indian Red Cross Society on 03-07-2010
- One NSS volunteer, Abhishek, III B.Sc. got 1<sup>st</sup> prize at National Level Literary and Cultural Meet held at Badhruka College of Commerce, Hyderabad in July 2010.
- An awareness programme on Eye Donation in association with Rotary Club was organized on 15-09-2010. Dr. K. Bhaskar, Civil Surgeon, was the resource person.
- Legal awareness programme was organized for the students with Sri Balaramaiah, Senior Civil Judge and Legal Cell Secretary as a resource person on 13-09-2010.
- S.K. Mustaq Ahammed, an NSS volunteer of III B.Sc., participated in Pre-RD camp held at Bhopal in October 2010.
- Our NSS units organized a Blood Grouping Camp for I and II year students of our Institution on 08-12-2010 with the technical assistance of Santhi Sena Raktha Sahakara Bandhuvulu and IRCS, Anantapur. The data of the blood grouping of around 1200 students was compiled and identity cards issued.
- A seminar on “Yoga and Moral Values” was organized on 07-08-2010. Prof. Subramanyamji, Dean, SVYASA, Bangalore was the resource person.
- Volunteers donated blood at IRCS, Anantapur to mark Blood Donors’ Day on 01-10-2010.
- National Voters’ Day was celebrated on 25-01-2011 to enlighten the students on the importance of voting in various elections.
- National Youth Day was celebrated on 12-01-2011. Prof. Subramanyamji educated the students on their responsibilities by taking Swami Vivekananda as an example.
- Two NSS volunteers and One Programme Officer took part in the winter Adventure Camp organized at Atal Bihari Vajpai Institute of Mountaineering and Allied Sports at Manali, Himachal Pradesh in February 2011.
- A seminar on “The Role of NSS Volunteers in the Maintenance of Cleanliness in the Town” was organized on 28-03-2011. District Collector Dr. B. Janardhan Reddy was the resource person.
- Three volunteers participated in NIC at Vivekananda Degree College, Manonmaniam University, Tirunalveli, Tamilnadu, in June 2011.
- Conducted two Special Camps at Siddharampuram village of B.K.S Mandal in November 2011. The following were the activities undertaken during the camps.
  - Free Dental and Blood Grouping Camps were organized for 600 students of the Elementary and Z.P. High schools and also for the villagers.
  - The Senior citizens of the village were screened by Ophthalmologists in the Free Eye Camp conducted in association with Rotary Club, Anantapur and 33 were identified for Cataract Operations at Akbar Eye Hospital, Anantapur.
  - A two kilometer Road repair work removing thorny bushes.
  - Clean and Green programme on the campuses of Elementary and Z.P. High schools.

- Plantation programme on the premises of the village Sachivalayam and Sivalayam.
- Awareness programmes on Blood Donation, Illiteracy, HIV/AIDS, Seasonal diseases and Superstitions.
- In view of increasing violence against women, our NSS units organized an awareness programme on domestic and other forms of violence against women, in association with NGO, Rural Environmental Development Society (REDS), Anantapur in November 2011.
- Dr. U. Venkata Ramana, Programme officer, participated in a three day training program on **Youth for Gender Equity** at Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperambudur, Tamilnadu, in November 2011.
- Mr. K. Krishna, a II B.Sc. volunteer, participated in Educational and Adventure Camps at New Delhi and Kulumanali in November 2011
- An awareness programme on “Road Safety” was organized by TVS Motors, Hyderabad, on 20-09-2011.
- A Rally was taken out by the volunteers to mark World AIDS Day on 01-12-2011.
- An awareness programme on “Campaign against Domestic Violence”, was organized in association with Anantha Paryavarana Parirakshana Samithi, Anantapur on 07-12-2011.
- Volunteers donated blood at IRCS, Anantapur on Human Rights Day on 10-12-2011.
- Kum. Sravani, III B.Sc., Participated in a week long adventure camp at Jaisalmar, Rajasthan in January 2012.
- In a record breaking performance, our two NSS units bagged as many as 15 prizes including 11 first prizes in the S.K. University, Inter-collegiate Youth Festival, in February 2012.
- Our NSS Volunteers bagged two prizes at the State Level Youth Festival held at Acharya Nagarjuna University, Guntur in February 2012.

#### NCC:

An NCC unit of the Girls with 134 cadets was started in the college in 2006 to develop leadership qualities, spirit of adventure, and the ideals of selfless service. At present 40 C & 41 A Platoon has 150 cadets.

- V. Sujatha of II B.A. was honoured with “Junior Under Officer” at India Tal Sainik Camp held at Delhi in 2007.
- 210 of our NCC cadets have secured “B” certificates and 70 secured “C” certificate.
- Three of our cadets K. Nagaveni, K. Sandhya and N. Supraja, III B.Sc. participated in “All India Trekking Expedition”, at Aruvakadu, Tamilnadu in May 2008.
- S. Shahintaj, K Uma and K. Hema Kumari, II B.Sc., cadets, participated in AIRCTC at Gwalior, Madhya Pradesh in November 2008.
- G. Leelavathi and D. Chaitanya Lakshmi, II B.Sc. cadets, participated in National Integration Camp at Kohima, Nagaland in November 2008.

- Three of our NCC cadets have secured “A” grade in “C” certificate. They brought laurels to our Institution by their effective participation in the Independence Day Celebrations consecutively for two years at Secunderabad in 2008 and 2009.
- Nine of our NCC cadets also participated in NIC held at Gwalior, Kohima and Itanagar during December 2008.
- Sri B.V. Ramana Naidu, Care Taker Officer of NCC unit participated in refresher training course for a period of 3 months in 2008 at Kamptee, Maharashtra. He was honoured with “Lieutenant” Rank in May, 2009.
- Our NCC cadets brought laurels to our Institution by their effective participation in **The Independence Day Celebrations at Secunderabad** in 2009.
- P. Sivamma, II B.A. cadet, participated in National Integration Camp in at Warangal in January 2009.
- V. Sujatha III B.A. cadet participated in Trekking Expedition, at Manali, in 2009.
- Two of our cadets participated in National Integration Camp at Eta Nagar, Sikkim in January 2009.
- Three cadets participated in Nilgiris Trekking Expedition in Tamilnadu in May 2009.
- Four of our cadets participated in Local Independence Day celebrations at Secunderabad in August 2009.
- The VI girls’ battalion NCC cadets participated and donated blood in Blood Donation Camp, at Government General Hospital, Anantapur in November 2009.
- Two of our NCC cadets received an amount of Rs.12,000/- each towards “Sahara Scholarship”. Cadet Kum Sujatha participated in Trekking Camp at Manali in February 2010.
- Six cadets of II B.Sc. Participated in National Integration Camp at Tirupathi, in January 2010.
- Five cadets of II year degree classes participated in National Integration Campo at Kurnool, Andhra Pradesh, in November 2010
- Eight NCC cadets effectively participated in Kurnool group events held at Bramhanapally, Anantapur in June 2010 and brought laurels to our Institution by bagging **Overall Championship**.
- Four NCC cadets participated in TSC (Tal Sainic Camp) held at New Delhi in November 2010. They secured “Junior Under Officer” rank.
- Kum K. Divya Vani of III B.Sc. bagged **silver medal** in Firing Event. Four of NCC cadets participated in “National Integration Camp” held at Nangal, Punjab in May 2011.
- Four II year degree cadets participated in National Integration Camp at Nangal, Punjab, in June 2011.
- Kum. G. Geethanjali and Jeevitha, II B.Sc., cadets participated in Tal Sainic Camp at New Delhi in September 2011. They were honoured with Senior Under Officer and Junior Under Officer ranks respectively.
- Four of our year degree cadets participated in Independence Day celebrations at Secunderabad in August 2012.
- Two II B.Sc. cadets participated in National Integration Camp, Warangal in October 2012.

## **ECO Club**

The club was started under the aegis of A.P. National Green Corps, Govt. of A.P. in 2005 with 100 students as its members with the aim of creating Eco-friendly conditions.

- The club organized a rally on the “ill-effects of the use of plastics” in September 2005. The rally was flagged off by the then District Collector Smt. Y. Anuradha.
- A clean and green camp was conducted on the District Court premises in April 2007. An awareness programme on cleanliness on the campus was organized for the clients on the premises.
- Cleaned the causality ward surroundings at the Government General Hospital, Anantapur on 06-11-2011. An awareness programme ‘on the importance of hygiene and the precautions to be taken against seasonal diseases including malaria and dengue was conducted for the inpatients of the hospital.

## **Red Ribbon Club**

The club was established in 2006 with 50 students as its members with a view to provide greater awareness on HIV/AIDS and its ill-effects and the importance of Blood donation to common man and student youth.

- Special awareness programme and membership drive was organized on the college campus on 13-11-2009.
- Master Trainer Dr. Ranga Swamy, from Govt. College, enlightened the students about the responsibility of the students to prevent the HIV/AIDS and to rehabilitate the affected.
- More than 100 students including girls and 15 teachers became the members of the club after administering the oath.
- The women members of the club participated in the cycle rally ‘on Blood Donation awareness’ on 10-10-2009 in Anantapur town. Dr. B. Janardhana Reddy, District Collector, addressed the RRC activists.
- The club activists visited Red Ribbon Express, which was flagged off by Ms. Sonia Gandhi at New Delhi, on 09-04-2010 at Gooty railway station.
- The club members were enlighten by the volunteers on prevention of HIV/AIDS, with the help of specially arranged photos and other programmes.
- The club activists got their blood tested for HIV/AIDS on the express.
- Attended an interactive session with HIV/AIDS patients on their experiences and rehabilitation.
- Ms. Thopudurthy Kavitha, Z.P. Chairperson addressed the club students.
- 30 club members donated blood at Indian Red Cross Society (IRCS), Anantapur on 03-07-2010.
- The club members took out a rally to march upto the Clock Tower in the town to mark the World AIDS Day. Principal Dr. K Nirmalamma enlightened the members.
- More than 100 RRC member students organized a rally on the occasion of World AIDS Day on 01-12-2011.

- 32 RRC members donated blood at Indian Red Cross Society (IRCS), Anantapur on 10-12-2011. Dr. Ramasubbaiah, Secretary of the Society interacted with the students on the food items to be taken by the girls to improve their hemoglobin, voluntary blood donation and awareness on HIV/AIDS.
- 25 members visited Red Ribbon express at Dharmavarm Railway Station in May 2012.
- The medical staff enlightened the members on various ways of contacting HIV/AIDS with the help of photos, visual aids and telephone conversation.
- The students also conducted an awareness programme for the village-visitors on various steps for prevention of HIV/AIDS and testing centres of the problem.
- 30 members donated blood to the poor patients at RDT Hospital, Battalapalli on 01-10-2012 to mark World Blood Donors' Day.

### **Social Arm - SAGE**

Saibaba Allied Grameen Empowerment (SAGE), a social arm of the college, organized an awareness programme on HIV/AIDS, superstitions, illiteracy and seasonal diseases in the SC Colony of Siddarampuram Village through street plays on 15-11-2010

SAGE organized Free Blood Grouping and Eye Camps for the aged of Siddarampuram Village on 19-01-2011. It also organized a Blood Grouping Camp for the first year degree students of the college in September 2012.

### **English Club:**

Most of the students of the college hail from rural areas and weaker sections of the society. They are naturally poor in Communication Skills in English. They are also poor in the other skills of language such as listening, reading and writing. In order to improve the overall skills of the English language of students, the college established an English Club. The Principal is the Chairperson of the club. The faculty of the departments is its members. One or two students also act as members of the club. The club aims at improving the LSRW Skills of the students and also bringing out their latent talents. It also conducts activities such as:

- Creative Writing
- Discussion on current literary trends
- Poetry reading sessions
- Interaction with the outside experts on Communication Skills
- Developing the Presentation Skills
- Give tips to students as how to overcome stage fear
- Enactment of short plays
- Newspaper reading

### **3.6.4 Give details on social surveys, research or extension work (if any) undertaken by the College to ensure social justice and empower the under-privileged and most vulnerable sections of society?**

A one day seminar on contemporary women's issues like dowry system, right of equity, sexual harassment at work place, domestic violence, property rights etc., was organized in 2009 by Legal Literacy Authority, Department of Judiciary, Anantapur. The college also organized a rally against atrocities on women on 12-08-2009.

As part of its extension work, the college is conducting special coaching for SC, ST, BC and other under-privileged students for various competitive exams for recruitment to the positions in banks, insurance and other Govt. institutions.

The college organized an awareness programme for girl students on "Domestic and other Forms of Violence against Women" in association with the 'Women Support Wing' of Rayalaseema Environmental Development Society (REDS), Anantapur, on 25-11-2011.

Saibaba Allied Grameen Empowerment (SAGE), a service arm of the college, organized an awareness programme on HIV/AIDS, superstitions, illiteracy and seasonal diseases in the SC Colony of Siddarampuram Village through street plays 15-11-2010.

SAGE organized Free Blood Grouping and Eye Camps for the aged of Siddarampuram Village on 19-01-2011. It also organized a Blood Grouping Camp for the first year degree students of the college in September 2012.

The college also hosted a two day National Seminar on "Access, Opportunities and Challenges of Gender Equity Education" on 18<sup>th</sup> and 19<sup>th</sup> August 2012 in association with Star Youth Association(SYA), Velugodu of Kurnool District, for Degree students and DWACRA women of the surrounding villages.

### **3.6.5 Give details of awards / recognition received by the College for extension activities/ community development work.**

The extension work done inside and outside of the college has brought laurels to the college in the form of recognition and appreciation from different corners. The significant of them are given below :

1. The Chairperson, Anantapur Municipal Corporation issued a certificate of appreciation on the BPL Survey carried out by our NSS volunteers.
2. The Superintendent of Police, Anantapur also issued certificate of appreciation to our volunteers for the assistance in maintaining the Law and Order during the recently held Local Body Elections.
3. Appreciation letters from Grama Sarpanch of villages in recognition of our SAGE volunteers social service in respective villages.
4. Indian Red Cross Society felicitated our SAGE volunteers for their contribution to blood donation, awareness on HIV/AIDS and rehabilitation.
5. All round appreciation letters from local NGOs to our volunteers for their contribution to the community service.

**3.6.6 Reflecting on objectives and expected outcomes of the extension activities organized by the College, comment on how they complement students' academic learning experience and specify the values and skills inculcated?**

Programmes on various aspects like 'anti-ragging', 'legal awareness' and 'moral values' indeed inculcated the values of 'equality' and the urge to gain knowledge in our students.

Participation in group social service activities in villages improved communication skills not only among the students and village community but also among the students. This has enabled them to participate willingly in classroom seminars and group discussions without fear or nervousness.

**3.6.7 How does the College ensure the involvement of the community in its outreach activities and contribute to the community development? Detail the initiatives of the College which have encouraged community participation in its activities.**

The college ensures the involvement of community in its outreach activities through its social-arm SAGE, NSS units, Eco and Red Ribbon Clubs. During the SAGE and NSS Special Camps, volunteers convince the villagers to participate in road laying and repairing activities by regularly meeting and explaining the village sarpanch and elders the importance of roads in their development. They also assist and participate in the programmes like free Dental and Eye camps.

**3.6.8 Does the College have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?**

The college ensures students participation in various service activities by involving them in the celebrations of certain important national and international days like national literacy day, world population day etc.

NSS Day celebrations on 24 September of every year are an important platform to motivate our student community to participate in social service activities. The college also invites social activists like Vishruth Chaithanya from local Chinmaya Mission to educate our youth on the importance of social service.

The college NSS units also conduct orientation and refresher programmes for students and motivate them to develop their personalities through community service with the motto 'Not Me But You'.

**3.6.9 Give details on the constructive relationships (if any) with other institutions in the nearby locality in working on various outreach and extension activities.**

The Institution has been working on various outreach and extension activities in collaboration with various local agencies including Sri Krishnadevaraya University, Govt. Medical College and Govt. General Hospital, Forest Department, Lions club,

Rotary club, Rural Development Trust, Indian Red Cross Society, Blood Donors organizations like 'Manavatha' and 'Sanjeevani'.

A distinct noteworthy linkage of our Institution is with internationally acclaimed voluntary service organization The Lions Club, Anantapur. Our Correspondent, Sri P.L.N.Reddy is the Charter President of the Club and is the Chairperson for "Free Lions Diagnostic Centre". Some of our teachers are members of the Club and are actively involved in various social activities like Health camps, Awareness Programmes, running Free Diagnostic Centre, Blood Donation camps, Clothes and fruits distribution to the inpatients of Hospitals, distribution of utensils, tri-cycles, artificial limbs etc. Our teachers are holding different positions in Lions Club to serve the needy.

**3.6.10 Give details of awards received by the institution for extension activities and / contributions to the social/community development during the last four years.**

Dr.G.S.Devasena, Programme officer was honoured with "State Best NSS Programme Officer" award by AP State NSS Cell, Commissioner of Collegiate Education, Hyderabad, in Sept.2011.

**3.7 Collaboration**

**3.7.1 How has the College's collaboration with other agencies impacted the visibility, identity and diversity of activities on the campus? To what extent has the College benefitted academically and financially because of collaborations?**

As a result of the collaboration of the college with the reputed institutions like JNTUA, IGNOU, Dr. B.R. Ambedkar Open University, District Science Centre, District Resource centre, JKC at Govt. College, Anantapur, including service organizations like State NSS Cell, Hyderabad, NGOs, Lions Club, Rotary Club, has resulted in diversified activities on the campus.

Our collaboration with state level JKC Cell at the Commissionerate of Collegiate Education, Hyderabad, led to the training of five of our teachers on Accounting Executive (Tally 9.0) and Communication Skills to run a Government sponsored four month Accounting Executive Course in our JKC. The JKC has trained 4 batches of students. This has helped them to learn more of Computerized Accounting and Communication Skills. Most of them have secured jobs in reputed organizations like nationalized banks. The institution is also benefitted financially.

As a result of various awareness programmes and communication skills in English, students evinced interest in academic activities like class interactions with the teachers, participation in class seminars, group discussions and quizzes.

These collaborations with various agencies have resulted in the service activities like collection of donations for the flood-affected people of Kurnool, the neighboring district, and for meeting the medical expenses of the sick and the injured. It has

enabled us to keep the college campus and also other institutions like district court, Govt. general hospitals and educational institutions in villages clean and green. Our college students and staff have become sensitive to the problems in the society around them.

### 3.7.2 Mention specific examples of, how these linkages promote

- ❖ Curriculum development
- ❖ Internship, On-the-job training
- ❖ Faculty exchange and development
- ❖ Research, Publication
- ❖ Consultancy, Extension
- ❖ Student placement

The linkages with local, state and national agencies promote:

- **Curriculum development:**

The linkages with local, state and national agencies have built a strong rapport. The experts from such agencies are included as members in the BOS, and as such their expertise and suggestions have been utilized in the design of the curriculum. For example the CEO, Hema Group of Companies, is on the BOS of the Department of Business Management. The suggestions from this expert have been incorporated in making BBM syllabus more industry relevant.

- **Internship, On-the-job training**

Nearly 15% of our final year students work as internees in Clinical Laboratories, Hospitals, Business Enterprises and NGOs in Anantapur, Bangalore and Hyderabad.

- **Faculty exchange and development**

On invitation, our faculty visit other institutes to conduct enrichment programmes to their students and faculty. We also invite the faculty of university and other leading institutes to our institute to deliver guest lectures covering 20% of the syllabus in every department. This faculty exchange programme has not only enriched the knowledge and learning of the faculty, but also contributed to quality teaching.

- **Research, Publication**

Collaborative interdisciplinary research made us to publish good number of articles in reputed journals with reasonable impact factor.

- **Consultancy, Extension**

Our linkage with JNTUA, IGNOU, Dr.BRAOU, ANU and District Science Centre as academic counsellors, advisors, project guides, adjudicators and evaluators for research, consultancy and extension activities resulted in good reputation of our Institution. Outside experts from different universities and organizations have visited and established linkages with our institution.

- **Student placement**

The Career Guidance and Placement cell is active in conducting campus recruitment drive.

- One of the achievements of our college during the year 2009 was that 38 final year students got jobs in the Infosys Company in the campus selections held at Govt. Degree College, Anantapur.
- In every academic year 10% of the eligible students get selections for WIPRO ASE programme and TCS Ignite programme.
- A Jawahar Knowledge Center has been working for the last four years. The department of commerce has also been conducting a 4 month Government sponsored Job-oriented Accounting Executive course (Tally 9.0) since 2009. It has trained four batches of 50 students in each batch.
- The number of students selected for jobs in various organizations is as follows:
  - 2008 Ultratech Ltd., : 5 + Mahindra and Mahindra Financial Services limited : 12 students.
  - 2009 Median direct financial services Ltd., : 5 ; Infosys - 39  
ING Vysya Bank – 3.
  - 2010 Vijaya Bank – 15.
  - 2011 Aditya Software Solutions – 10.

**3.7.3 Does the College have MoUs nationally / internationally and with institutions of national importance/other universities/ industries/corporate houses etc.? If yes, explain how the MOUs have contributed in enhancing the quality and output of teaching learning, research and development activities of the College?**

Yes.

Department	Firm/Company/Industry	Collaboration and Impact
Physics	Advanced Electronic Systems, Peenya Industrial area, Bangaluru-58	Design and manufacture of low cost development/Trainer kits to conduct experiments in electronics at UG level.
Zoology	Bhagavan Vermicompost, Gooty	Production of Vermicompost with high manure value by using <i>Udrilas uzani</i> and <i>Ecenia fotida</i> of earthworms.
Micro-Biology	Research Institute of Biological Science - Vijayawada	Study on <i>Pseudomonas puttida</i> to explore the possibility of degrading a Non-Biodegradable Benzene. Study on Micro-organisms present in the milk collected from local vendors to explore the possibility of culturing micro-organisms producing lactic acid.
Computer Science	Sri Sai Datta Co-op Society, Anantapur	“CoopBancs” – Integrated Information System design and development (C/S)

Chemistry	Waiting for test result	Applied for test on 2,4-dimethoxybenzaldehyde isonicotinoyl hydrazone system using for Tuberculosis
Institution	Lions Free Diagnostic Centre, Lions Club, Anantapur	The technicians visit our health centre for the diagnostic services

### 3.7.4 Have the College industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

No.

*Any additional information regarding Research, Consultancy and Extension, which the institution would like to include.*

#### PRE Vs POST ACCREDITATION SCENARIO

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
• SKU recognized Research Centers	01	04
• Departments associated with Interdisciplinary Research	01	05
• Staff guiding research scholars	03	17
• M.Phils., awarded	04	99
• Ph.Ds., awarded	Nil	04
• Ongoing M.Phils.,	05	25
• Ongoing Ph.Ds.,	Nil	25
• National conferences/seminars/workshops organized	02	16
• UGC Major Research Projects	Nil	02
• UGC Minor Research Projects	04	02
• Papers published	160	194
• Papers presented	145	161
• MOUs in greenhorn stage	Nil	05
• CALL for Seed money through Industry-academia meet	Nil	Efforts in novice state
• UGC sponsored Lab-to-Land and Health Camps	Nil	18
• Awards to extension work	02	22
• Social arm for extension activities – SAGE	Nil	01
• UGC sponsored PDPs	Nil	08
• NCC certificate holders	150 (B) / 56 (C)	210 (B) / 70 (C)
• No of students participation in NICs	12	40

## **CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 How does the College plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?**

The college campus has 7.42 acres of land with a built in area of 98,632 sq.ft. This is a lead college in the private sector in the district enjoying central location in the heart of Anantapur town with excellent and state-of-the art infrastructural facilities and learning resources created in a phased manner by the committed and dedicated Management in all earnestness.

The management of the college created all physical facilities namely 49 classrooms, 36 laboratories with modern equipment, OHPs, LCD projectors, furniture, student evaluation division, ADNE Trust office, Principal's Chamber, well stocked library with automation, ICT centre, English language laboratory, internet connectivity to all the departments, E-classrooms, seminar halls, waiting room for women students, 2.50 acres of play ground, sports and games infrastructure, power backup systems, separate staff rooms, safe drinking water facility, health centre, canteen, student co-operative store, adequate restrooms, office with transparent procedures, in a phased manner since 1981. The management will take appropriate and timely decisions in augmenting the present infrastructure and learning resources to meet the growing needs of the activities based on the proposals made.

The infrastructural facilities of our college are optimally utilized in the following manner:

- The students utilize all the laboratories, classrooms, library and the playgrounds optimally.
- The library, ICT center and language laboratory function from 8.00 am to 6.00 pm on all working days and from 9.00 am to 1.30 pm on Sundays so that our students may study, browse and get the necessary information and learning material.
- Add-on courses and Consultancy are planned after regular college hours.
- National, regional, inter-departmental seminars, workshops and other interactive sessions are organized.
- The T.V. sets are used for Mana TV, UGC, IGNOU and Dr.BRAOU Programmes.
- Indoor games facilities like Table Tennis and Chess are shared by the District Sports Authority, Officers Club, Eenadu group of organizations, the Police Department etc.
- Regional, Inter-Collegiate and Inter-University Youth Festivals are organized.
- Inter-Collegiate Sports events, both in-door and out-door, such as Running Race, Kabaddi, Kho-Kho, Badminton, Football, Chess and Caroms are hosted by our college.
- District level book exhibition is conducted every alternate year.

- The College is a center for examinations of S.K. University, IGNOU, ANU, EAMCET, Ed.CET, ICET, LAW CET, NET /SLET, DSC, Banking Services, LIC, DWMA, APPSC, Departmental Tests, On-line tests etc.,
- The study centers of IGNOU, New Delhi and ANU, Guntur are located in our College and classes are held on Sundays and on other public holidays.
- Cultural and value-based preachings, district and state level science fares, Lions club, Rotary club meetings are conducted in our campus.

**4.1.2 Does the College have a policy for creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.**

**Yes.**

**Recent initiatives of the college in creating and enhancing infrastructure:**

- Establishing research centres in the departments of Mathematics, Physics and Chemistry.
- An air conditioned seminar hall with 242 seating capacity with all high-end audio visual equipment.
- Two E-class rooms with hi-speed network connectivity and an LCD projector.
- A well-furnished women waiting hall.
- A student cooperative store.
- Full-scale automation and browsing facilities in the library.
- State-of-the-art ICT centre.
- Floodlights and stands at the Basketball court.
- A 40KVA Green Generator.
- Refined fire-protection system as per Govt. norms.
- Up-gradation of laboratories with modern equipment.

**4.1.3 Does the College provide all departments with facilities like office room, common room, separate rest rooms for women students and staff?**

**Yes.** Each department has a separate staff room. The number of women students and staff has been consistently growing in our institution over the years. The management has provided the required facilities to women students and staff. Rest rooms are provided for them in the college. Most of the women students coming from rural areas have refreshments and relaxation in the waiting hall.

**4.1.4 How does the College ensure that the infrastructure facilities meet the requirements of students/staff with disabilities?**

The institution takes care of the requirements of students and staff with disabilities by the provision of tri-cycles through Social Service Organizations like Lions Club. There are provisions of Scribe facility for visually disabled persons and separate seating arrangements for physically disabled persons.

#### **4.1.5 How does the College cater to the residential requirements of students? Mention**

- ❖ **Capacity of the hostels and occupancy (to be given separately for men and women)**
- ❖ **Recreational facilities in hostel/s like gymnasium, yoga center, etc.**
- ❖ **Broadband connectivity / wi-fi facility in hostel/s.**

The college is centrally located with easy access from all corners of the town and most of the students stay in social-welfare hostels, working women hostels, paying guest accommodation, students' managed hostels, and community based hostels. Many students come from rural areas and go back to their homes after the class work is over. Against this backdrop, the college plans to have the hostel, if need arises in the future.

#### **4.1.6 How does the College cope with the health related support services for its students, faculty and non-teaching staff on the campus and beyond?**

The college is centrally located. The District Head Quarters Govt. Hospital is nearby and can be approached in any emergencies. A number of diagnostic centers are available. However, the college maintains its own health center for periodical health checkups. General physicians and surgeons visit the health center once a week in the afternoon. First aid facility is available in the health centre and health cards are maintained for the students.

The College has a tie-up with the Lions Club which provides our students and faculty free diagnostic facility from "Free Lions Diagnostic Centre", which is at a distance of 1km from the College.

#### **4.1.7 What special facilities are made available on the campus to promote interest in sports and cultural events?**

The following special facilities are available in the Institution to promote and sustain un-ending interest in sports and cultural events:-

The total area of the playground available for our students is 2.5 acres to play outdoor and indoor games like hockey, cricket, kabaddi, kho-kho, football, shuttle badminton, volleyball, basketball, table tennis and chess. To play the said games, the following physical and infrastructural facilities are available in the sports and physical education center.

- A cement concrete Basket-ball court with audience stands and flood lighting at a cost of Rs.14 lakhs was built to meet the international standards
- A Volleyball court at a cost of Rs.1 lakh
- Two shuttle badminton courts
- A Table tennis court
- A Kabaddi and Kho-Kho court

There is a good track facility to conduct sports events also. The Inter Collegiate Tournaments, Inter District Cricket and Basketball Tournaments and Intra Murals are conducted in our playgrounds from time to time under the aegis of S.K. University. The District Sports Authority, the Income Tax Department and the Bar Association make use of the sports facilities often, thus helping us optimize our utilization potential. The Police Department also uses our playground to conduct various sports events such as eligibility tests for selection to different categories.

The physical education centre caters to the requirements of students. It has body fitness facilities, weighing machines, height- checking facilities. Sports dress is given to each student. All the required equipment for long jump, high jump etc., are available in our Physical Education Center.

The significant co-curricular activities of our college include essay writing, elocution, debates, quiz, group discussions, seminars, interaction, symposia, guest and extension lectures and so on. These activities are divided into subject-specific and general. There is a committee constituted for conducting co-curricular activities at the college level. The winners in these competitions are awarded prizes on the occasion of Independence Day, Republic Day and other important days. The College has a well-equipped modern Auditorium and a fully furnished seminar hall with an LCD projector, spacious and well-ventilated classrooms to conduct various competitions. Science departments use OHPs and LCDs for the guest lectures and seminars. A media center is available in the college. UGC programme bulletins, Mana TV programme lists are kept in the library for the benefit of students. Social organizations such as Lions Club, Rotary Club, Art of Living Society and Corporate Organizations as well as for Value Based Discourses by religious preachers and Eenadu group of organizations, which conduct various competitions, also use our infrastructural facilities.

## 4.2 Library as a Learning Resource

### 4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

**Yes.** The library has Advisory committee with the following composition.

1)	Principal	Ex-officio President
2)	Librarian	Convener
3)	Dr.Y. Rajendra Prasad	Member
4)	Sri P. Ravi Shankar	Member
5)	Dr.G. Sairam Linga Reddy	Member
6)	Dr.M.Ravindra	Member
7)	Student Representatives	1. B Sreenivasa Reddy, 2. B Sunitha 3. P Ramamurthy

The significant initiatives implemented by the advisory committee include the following:

- Purchase of books, journals and other reading materials of contemporary relevance.
- Title exhibitions and book weeks in every academic year.
- Promoting effective reading.
- A Library hour in time table.
- Reprographic service at subsidized rates.
- Subscription to N-LIST program jointly executed by the UGC-INFONET digital library consortium to provide access to scholarly content.
- Internet facility as an interface to the cyber world.
- Book banks for the underprivileged student groups.
- A competitive exams and personality development book bank.
- A separate reading section for women students.
- Flexibility in lending rules and fine collection for late renewals.

**4.2.2 Provide details of the following:**

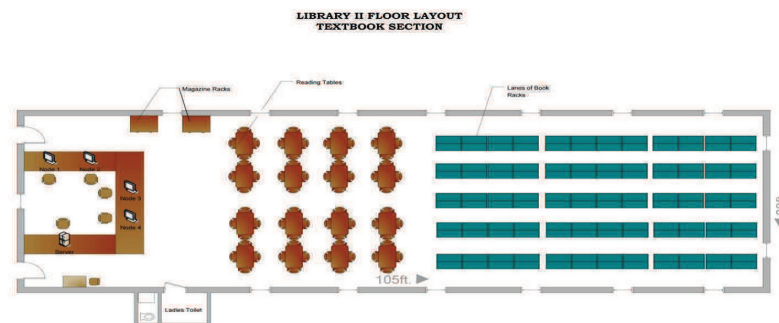
**Total area of the library (in Sq. Mts.)** = 6720 sq.ft (Two floors)  
**Total seating capacity** = 240

**Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**

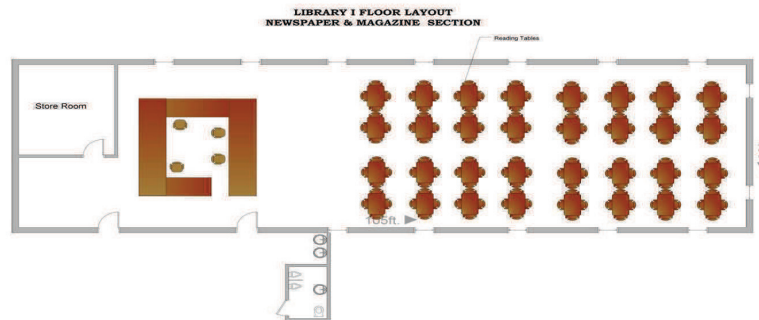
- Working days of library – All days excluding public holidays
- Working hours of the library
 

During working days (examination days)	8.00 am to 6.00 pm
Before Examination days	8.00 am to 8.00 pm
Holidays	9.00 am to 1.30 pm
During vacation	10.00 am to 5.00 pm

**Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**



Access to the premises through prominent display of clearly laid out floor plan; adequate signage; fire alarm; access to differently abled users and mode of access to collection)



**4.2.3 Give details on the library holdings**

**Total No.**

a) Print (Books, back volumes and thesis)	38,198
b) Non Print (Microfiche, AV)	24
c) Electronic (e-books, e-Journals)	345
d) Special collection (eg. Text book, Reference books, standards, patents)	2,525

**4.2.4 What tools does the library deploy to provide access to the collection?**

- In-house software to search for titles by author, topic, publisher and key words.
- Library Website – Link @ College website to search for available titles.

**4.2.5 To what extent is the ICT deployed in the library?**

- **Library automation** – All books barcoded and in-house software deployed for better inventory management
- Total number of computers for public access                    4
- Total numbers of printers for public access                    2
- Internet band width speed: BSNL broad-band (2Mbps)

**4.2.6 Provide details**

• Average number of walk-ins	175-200
• Average number of books issued/returned	100
• Ratio of library books to students enrolled	10:1
• Average number of books added during last three years	2100
• Average number of login to OPAC	48
• Average number of login to e-resources	52
• Average number of e-resources downloaded/printed	26
• Number of information literacy trainings organized	2

#### 4.2.7 Give details of the specialized services provided by the library

The following are the specialized services provided to the students and staff

- Manuscripts
- References
- Reprography
- Information Deployment and Notification
- Internet Access
- Downloads
- Printouts
- Reading list/ Bibliography compilation
- User Orientation
- Assistance in searching Databases
- E-Resources@N-LIST

#### 4.2.8 Provide details on the annual library budget and the amount spent for purchasing new books and journals.

Depending on annual budget allocated to the library from all sources, the committee concerned decides on the purchase of books, important journals, and other reading materials.

Item	Annual Budget	Amount Spent
Books & Journals	4,50,000	4,40,257
E-books and other reading materials	1,00,000	78,950
Contingency, Reprography and printing services	50,000	50,000

#### 4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services.

Yes. The feedback is obtained from its users on the Books, Journals, and Periodicals, Reference section, facilities and Library service. This feedback is analyzed by the library committee to bring in improvement

#### 4.2.10 List the infrastructural development of the library over the last four years.

- Washrooms for staff and students funded by the UGC plan grant.
- Glazed tiles flooring.
- Separate women reading cabin.
- Reading tables and chairs.
- Book racks and Cabinets.
- Display stand for Journals and Magazines.

#### **4.2.11 Did the library organize workshop/s for students, teachers, non-teaching staff of the College to facilitate better Library usage?**

**Yes.** The library staff of the college organize workshop on available facilities and their usage in batches as part of induction program.

### **4.3. IT Infrastructure**

#### **4.3.1 Does the College have a comprehensive IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management?**

**Yes.** Information technology policy of the college articulates the vision of the college, strategy, and principles as they relate to the use of information and information technology resources.

IT policies interpret applicable laws and regulations and ensure that the policies are consistent with legal and contractual requirements. In addition, IT policies specify requirements and standards for the consistent use of IT resources across the college.

#### **4.3.2 Give details of the College's computing facilities (hardware and software).**

- **Number of systems with configuration**

A total 275 systems (45 in computer centre+ 90 in computer science labs + 40 in English language lab + 04 in ICT centre + 10 in student counters + 30 in Electronics labs) generally fall into any one of the following configurations

- Intel 2nd generation Dual Core G620 Processor-Intel DH61SA Motherboard-2GB DDR3 RAM-Seagate 500GB SATA HDD-Samsung 18.5" LED Monitor.
- Intel Dual Core 2.6GHz Processor-DG 41RQI MBD-1 GB DDR2 RAM-500 GB SATA HDD-Samsung 18.5" TFT Monitor.
- Intel Dual Core 3.0GHz Processor E5700-Intel DG41 WV Motherboard OEM-2GB DDR3 RAM-Seagate 500GB SATA HDD-Samsung 18.5" TFT Monitor.
- Inter corei7 second generation 2600(3.4 GHz) processor Inter H67BL Motherboard-8GB DDR3 RAM-500 GB SATA HDD-Samsung 21.5"LED Monitor.
- Inter corei5 second generation 2400 processor Inter 61 WW Motherboard-8GB DDR3 RAM-500 GB SATA HDD- Samsung 18.5" LED Monitor.

- **Computer-student ratio**

Approximately 1 computer for every 13 students (1:13)

- **Dedicated computing facility**
  - IBM Server X3100 M4, Intel Xeon Quad Core E3 – 1220 3.0GHz , Processor, 4GB RAM, 250GB SATA HDD, RAID 0.1
  - IBM X Server X3200M3 Intel Xeon E3430 (9Quad Core) 2.4Ghz Processor 4GB Memory, 250GB SATA HDD
  - IBM X Server X3200M3
  - Intel Xeon Processor 3060/Intel Server Board 3000AH/4 GB DDR2 RAM/2\*160 GB SATA HDD/ Samsung 19” TFT Monitor
  - Intel Core 2 Quad Processor 2.66GHz/Asus P5K-VM MBD/4GB DDR2@800MHz/ Seagate 500 SATA HDD/15” TFT Monitor
  
- **LAN facility (10/100 Mbps)**
  - 150 plus systems LAN in computer science department and ICT centre
  - 40 systems LAN in Language laboratory
  - 20 plus systems LAN in Electronics laboratory
  - 11 systems LAN in Principal office
  - 4 systems LAN in the Library
  - 8 systems LAN in the Physics department
  - 8 systems LAN in the Life Science department
  
- **Propriety software / Open source software**
  - WinStrtr 7 SNGL OLP NL Acdmc Legalization GetGenui
  - WinPro 7 SNGL Upgrd OLP NL Acdmc
  - SQLSvrStd 2008R2 SNGL OLP NL Acdmc
  - SQLCAL 2008R2 SNGL OLP NL Acdmc DvcCAL
  - WinSvrStd 2008R2 SNGL OLP NL Acdmc
  - WinSvrCAL 2008 SNGL OLP NL Acdmc UsrCAL
  - VSProwMSDN ALNG LicSAPk OLP NL Acdmc Qlfd
  - OfficeProPlus 2010 SNGL OLP NL Acdmc
  - Windows 2003 Server Ent. OLP NL Academic Edition (AE)
  - Gaussian G09W Single System, Expl. Chem 2nd, G09 Users/IOps Refs/GVW 5 Single System
  - Sun Solaris 8.0 Server Software
  - Red Hat Linux
  - SUSE Linux 7.0
  - CLARITY Snet Language Lab (1 teacher + 40 students)
  - Matlab - Language of Technical computing with 3 tool boxes
  
- **Total nodes with internet connectivity:: 50**
  - 10 Mbps (20\*512Kbps) Broadband Connection over OFC under NMEICT project.
  - BSNL Broadband Connections (2Mbps) – 6 Nos. (in all departments)

### 4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

It is believed that high-speed research and education networks accelerate the pace of new discoveries and the expansion of knowledge. To fall in the line with other world class institutions, the Institution plans:

1. One E-classroom with a high speed network connection for every department. The emphasis would be not only on the use of information technology but also on the use of skills and values that are important in the next millennium.
2. Special trainings for selective staff in E-content development and its persistent and effective use in their respective departments.
3. Promoting collaborative research with connectivity to high speed Gigabyte per second research network.
4. Establishing in-house Cognizant Center in collaboration with alumni association to offer leading-edge educational programs for staff and students, to stay current with leading-edge technologies and to perform their roles effectively and efficiently.

### 4.3.4 Give details on access to online teaching and learning resources and other knowledge, and information provided to the staff and students for quality teaching, learning and research.

An ICT center with state-of-the-art high-end teaching cum learning infrastructure and transparent and effective support services both to the students and staff, provides online teaching and learning resources for quality teaching, learning and research. It has the following infrastructure to facilitate effective services to the students and teachers.

Intel Dual Core 3.0GHz Processor E5700, Intel DG41 WV Motherboard OEM, 2GB DDR3 RAM, Seagate 500GB SATA HDD, Samsung 18.5" TFT Monitor	51
IBM X Server X3200M3 Intel Xeon E3430 9Quad Core) 2.4Ghz Processor 4GB Memory, 250GB SATA HDD	01
Sony Digital Camera DSC-HX100V, 16.2 Mega Pixel H Series 30x Optical Zoom with HD Video Recording Capability	01
BenQ DLP Projector, Model: MX 511 XGA/2700 ANSI/3000:1 Contrast Ratio /HDMI/6000 Hours Lamp Life	01
ITC Portable PA System Model T-6020 with Built in Amplifier, Speaker & Cordless Microphone	02
Offline Content (Tutors) and E-Books VTC Tutorials E-Books NPTEL Videos	38 Titles 95 Titles 45 Videos
E-learning Content Developing S/W Adobe e-Learning Suite 2.5 Windows Platform (Education License)	01

**4.3.5 Give details on the ICT enabled classrooms/learning spaces available within the College and how they are utilized for enhancing the quality of teaching and learning.**

The ICT center and 9 ICT powered classrooms enable the teachers to apply multimedia technology in the regular teaching-learning process and make teaching more interesting and learner-centered. The College could move towards Virtual Classrooms in the near future. It is a production center for educational presentations and videos. With this approach, **ssbnites** are conceptually very strong comparatively with their peers, which help them to excel in their respective domains.

**4.3.6 How are the faculty facilitated to prepare computer aided teaching-learning materials? What are the facilities available in the College or affiliating University for such initiatives?**

The faculty of the college are trained and motivated to prepare E-content to apply technology in teaching-learning process. ICT center, in coordination with industry experts and affiliating university, conducts train-the-trainer programme in using E-content development suit at regular intervals to update.

**4.3.7 How are the computers and their accessories maintained? (AMC, etc.)**

The computers and accessories in the Computer Science department are highly modern. 175 systems on 10/100 Mbps LAN, printing resources and scanning resources have been maintained by the departments' technical and support staff without any annual maintenance contracts right from the inception.

Service contact on call-basis excluding spares cost signed with local hardware supplier to maintain computers in the Principal's office and other departments.

**4.3.8 Does the College avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?**

**No.** As on this day, the affiliating university does not offer any NKN services consisting of an ultra-high speed core, starting with multiple 2.5/10 G and progressively moving towards 40/100 Gigabytes per Second (Gbps) to the affiliating colleges.

**4.3.9 Provide details on the provision made in the annual budget for update, deployment and maintenance of the computers in the College?**

Item	Annual Budget	Amount Spent
Up-gradation	50,000	50,000
New Purchases	5,00,000	4,95,000
Maintenance including spares	50,000	50,000

#### 4.4 Maintenance of Campus Facilities

##### **4.4.1 Does the College have an Estate Office / designated officer for overseeing maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.**

There is a General Maintenance Committee consisting of Principal as Chairperson, a member from Governing Council, senior faculty from languages, science and humanities, non-teaching staff and student representatives. The committee takes every care to maintain the infrastructure in a proper manner. Repairs and painting works are done immediately by following a procedure. The institution has the staff (electrician, plumber and mechanics) for maintenance and repairs. Whenever necessary, outside experts, technicians and service providers are called to carry out repairs for smooth functioning of the college. The college has an internal mechanism of periodical verification and quality check.

A duly constituted committee comprising the Principal as Chairperson supervises the maintenance of the laboratories. All heads of the science departments and 3 student representatives from I, II, and III year UG courses look after the purchase of equipment and other maintenance facilities. A duly constituted Library Advisory Committee monitors the maintenance of the library, purchase of books, journals etc., from time to time.

##### **4.4.2 Does the College appoint staff for maintenance and repair? If not, how are the infrastructure facilities, services and equipment maintained? Give details.**

The Institution appointed one consultant electrician, store keepers, a museum keeper, a herbarium keeper, a waterman, a gardener, a watchman and a scavenger. Wherever necessary, outside experts, technicians and service providers are called to carry out repairs in time. The college has an internal mechanism of periodical verification and quality check.

*Any additional information regarding Infrastructure and Learning Resources, which the institution would like to include.*

### PRE Vs POST ACCREDITATION SCENARIO

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
• Academic area (classrooms + laboratories)	77,878 sqft	98,632 sqft
• Administrative area	620 sq.ft	1220 sq.ft
• Office Automation	Partial	Complete
• Table Tennis Room	Nil	One
• Computer systems	120	275
• Library Books	10,000	28,198
• Library Automation	Partial	Complete
• E-Resources@N-LIST	No	Yes
• Internet facility	Limited	Extensive
• E-class rooms	Nil	Six
• Tissue culture rooms	One	Two
• Seminar Halls	One(150 seating capacity)	Two(A/C with 400 seating capacity)
• Power Backup system	25kva	40kva
• Student Evaluation Division	1240 sq.ft	3012 sq.ft
• ICT center	Nil	One
• Stands and Flood lights to basketball court	Nil	Yes
• Student co-operative store	No	Yes
• Interconnecting library through Autonomous consortium	No	Yes
• Firefighting safety and security system	Nil	Installed

## **CRITERION V: STUDENT SUPPORT AND PROGRESSION**

### **5.1 Student Mentoring and Support**

#### **5.1.1 Does the College have an independent system for student support and mentoring? If yes, what are its structural and functional characteristics?**

**Yes.** A Governing Body member, the Principal, one senior most teacher from each of the departments of Life sciences, Physical Sciences, Mathematics, Humanities, and three student nominees constitute a committee. This committee

- oversees and monitors the student support services, viz. social welfare scholarships, Sai Benevolent Fund, endowment scholarships, health centre with a provision for a psychiatrist, hygienic water, students consumer cooperative stores, canteen, parking, grievance redressal cell, Women Empowerment Cell, placement and career guidance, remedial coaching and sports facilities.
- appoints mentors. One mentor is appointed for every 40 students. The mentor keeps a record of the students allotted to him/her. The mentor is entrusted with the work of counselling the students on personal and social issues, guiding them in academic matters, supporting the cause of students, advising them on future opportunities and utilizing the student support services available on the campus.

#### **5.1.2 What provisions exist for academic mentoring apart from class room work?**

- Conducting special study hours (remedial coaching) for the slow-learners
- Giving additional inputs to the advanced learners
- Revising the difficult concepts
- Coordinating with the other faculty in clarifying the doubts
- Asking the students to write assignments and get them evaluated by their peers
- Identifying the difficult areas where students lag behind and advising them on suitable measures to improve
- Guest lectures for the benefit of the students
- Interacting with family members

#### **5.1.3 Does the College provide personal enhancement and development schemes for students? If yes, describe techniques employed e.g., career counselling, soft skill development, etc.**

**Yes.** The college provides personal enhancement and development schemes through Soft Skill development programmes by organizational psychologists and corporate trainers. The students are also taught functional ICT, viz. Windows basics, MS-Office and internet basics. The following programs were conducted for personal enhancement during the last four years.

- 2007 & 2008 - A training programme on Communication Skills and analytical skills
- 2009 – A Career Seminar on Aviation, Hospitality and Travel Industry by Franklenn Institute of Air Hostess Training, Bangalore
- 2009 - A Seminar on Self Employment by the Rural Development and Self Employment Training Institute (RUDSETI), Anantapur
- 2010 - Women students were trained on embroidery work by RUDSETI
- 2010 - Career in Animation Engineering: ARENA ANIMATION, Mumbai
- 2010 – A workshop on Communication Skills by Mahesh, Corporate trainer and our Alumnus
- 08-03-2010 A talk on “Various Employment Opportunities” by Dr. K V Swamy, Executive Director, Overseas Manpower Corporation, A.P. Hyderabad.
- 02-08-2011 Focus-I group companies recruitment Training for final year students
- 18-08-2012 A lecture by G Girinath Reddy, University of Hyderabad on “Personality Development”
- 30-08-2012 – Flourish Consultancy Services, Kurnool for III year BBM & B.Com students
- 01-09-2012 Interactive session with a Psychologist – Ms. Sowmya, Hyderabad – both for UG & PG students
- 22-09-2012 – A programme on Soft Skills by P Mahesh Kiran, Corporate Trainer, Bangalore, for B.Com & BBM students

**5.1.4 Does the College publish its updated prospectus and handbook annually? If yes, what are the activities / information included / provided to students through these documents? Is there a provision for online access?**

**Yes.** The Institution publishes its updated Prospectus and Handbook annually. The prospectus is supplied to the students along with the application forms. The Handbooks are supplied to students at the time of their admission to the courses. The Prospectus presents a brief history of the college, the courses of study in conventional and self-funding streams, the fees structure, admission procedure etc.

The Handbook also provides information on autonomy, infrastructure, scholarships, educational concessions, university rules, service units, campus selections, general rules of discipline, academic plan and assessment methods, and particulars of staff. Both handbook and prospectus are also accessible online.

**5.1.5 Specify the type and number of scholarships / freeships given to students (UG/PG/M.Phil/Ph.D./Diploma/others in tabular form) by the College Management during the last four years. Indicate whether the financial aid was available on time.**

The College provides equal access to all the students. Most of the students admitted belong to the poorer and socially underprivileged sections. They need financial aid. The College gives financial support to all the eligible students. The following table shows the financial aid given to the students during the last four years.

(Rs. In lakhs)

Year & Details	BC	SC	ST	PH	Minority & EBC	ENDOWMENT FUND
<b>2008-2009</b>						
No of students	746	254	57	5	685	
Amount Sanctioned	20.91	10.34	3.55	0.07	2.83	1.14
Amount Disbursed	21.05	9.24	2.41	0.62	2.70	
<b>2009-2010</b>						
No of students	755	253	63	1	650	
Amount Sanctioned	14.86	9.67	1.00	0.20	4.90	6.00
Amount Disbursed	17.96	7.12	1.62	0.20	3.94	
<b>2010-2011</b>						
No of students	685	187	67	-	563	
Amount Sanctioned	27.22	48.95	4.46	-	26.79	6.00
Amount Disbursed	23.79	55.46	3.91	-	22.60	
<b>2011-2012</b>						
No of students	693	124	37	1	603	
Amount Sanctioned	41.78	5.68	1.98	0.03	37.48	9.13
Amount Disbursed	31.64	3.80	1.52	0.01		

Our Institution has also set up **Sai Benevolent Fund (SBF)** to extend financial support to the deserving poor students who are unable to pay the college fee or examination fee owing to poverty. This benefit is extended to the deserving students especially from rural areas irrespective of their caste, creed and sex. The fund has accrued to the tune of Rs. 2.92 lakh by 2012.

**5.1.6 What percentage of students receives financial assistance from state government, central government and other national agencies? (e.g., Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)**

The percentage of students receiving social welfare scholarships - 90%  
 The percentage of students receiving endowment scholarships - 04%

**5.1.7 Does the College have an International Student Cell to cater to the needs of foreign students? If so, what measures have been taken to attract foreign students?**

Though the college is situated in district headquarters, it caters primarily to rural background community students. In spite of the information about the college being available on the web and the college has gained autonomous status (2005), NAAC accreditation with 'A' grade (2007) and College with Potential for Excellence status (2010) by the UGC, this lead college in the district has not attracted foreign students so far.

### **5.1.8 What types of support services are available for –**

#### **Overseas Students**

Not Applicable

#### **Physically Challenged / Differently Abled Students**

Scribe facilities, Tri-cycles, Artificial Limbs to differently abled students

#### **SC/ST, OBC and Economically weaker sections**

These students are provided with Social Welfare Department scholarships - tuition fee reimbursement and mess charges.

#### **Merit Scholarships**

National Merit - INSPIRE, State Special Merit and National Loan Scholarships are offered by the Government of India to the students studying Hindi as second language.

#### **Students to Participate in Various Competitions /Conferences in India and Abroad**

The college conducts coaching classes for APPSC group services examinations, Bank exam coaching facilities and Training the students for state and national level competitions.

#### **Health centre, Health insurance etc.**

First-Aid Service and Health Centre.

#### **Skill Development (Spoken English, Computer Literacy, Etc.)**

Conducting Spoken English classes in English language laboratory and teaching Functional ICT, viz. Computer basics, Windows basics, using MS-Office, Internet basics etc.

#### **Performance Enhancement for Slow Learners / Students Who Are At Risk of Failure and Dropouts**

Conducting remedial coaching and unit tests, teaching by advanced learners, conducting separate classes on the topics already covered.

#### **Exposure of students to other institutions of higher learning/ corporates/business houses, etc.**

Conducting visits to local institutes and industries, providing internships to BBM students and archaeological surveys.

### Publication of Student Magazines

A student magazine is published annually.

#### 5.1.9 Does the College provide guidance / coaching classes for Civil Services, Defense Services, NET/SLET and any other competitive examinations? If yes, what is the outcome?

**Yes.** The college provides coaching classes for entry into State services using the UGC merged scheme grant. The following students of our college were selected for state services:

- **K.Subbarayadu**, a student of Botany, Zoology and Chemistry selected for Group – I Services in the cadre of D.S.P.
- **M.Sunitha** of Botany, Zoology and Chemistry selected for Group-I Services in the cadre of RDO.
- **Venkata Ramudu**, of B.A selected for Group-I services in the cadre of DSP
- **K. Lingaraju**, of B.A. cleared AP.SLET and qualified for A.P. DSC competitive examination
- **Khadar Basha**, of Mathematics, Physics and Statistics selected for Group-I services in the cadre of DSP
- **Venugopal Reddy**, of Botany, Zoology and Chemistry selected for Group-I Services in the cadre of Municipal Commissioner.
- **T Ramamani**, of Botany, Zoology and Chemistry selected for Group-I Services and presently working as Project Director DRDA, Anantapur.

#### 5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as -Additional academic support, flexibility in examinations, special dietary requirements, sports uniform and materials, any other

The college adopts the following strategies for enhancing students' participation in sports and extracurricular activities:

- Supplying the study material and providing coaching by the teachers in the relevant subjects.
- Conducting internal assessment examinations separately to the students representing the college in sports and extra-curricular activities.
- Special energized food during sports events and extra-curricular activities.
- Supplying sports uniform, sports shoes and other accessories by the college management.
- Associating with social service organizations like Lions Club, Rotary Club and RDT to provide tracksuits, cricket kits, travel grant and sports shoes.
- Honouring outstanding students in sports and extra-curricular activities with medals, mementoes, certificates, cash awards and financial aid.

**5.1.11 Does the College have an institutionalized mechanism for placement of its students? What services are provided to help students identify job opportunities, prepare themselves for interview, and develop entrepreneurship skills?**

**Yes.** The College runs a Career Guidance and Placement Cell headed by Dr. C. Prabhakar Raju, Associate Professor of Botany.

**Services provided by the Cell:**

- Providing latest information on Higher education, Job opportunities, Professional careers, Self-employment, Career – Building related skills, online recruitment process.
- Making available books, material and periodicals
- Conducting workshops, guest lectures, interfaces with industrialists and entrepreneurs to enlighten the students on entrepreneurial activities in setting up, maintaining and controlling business units etc.
- Inviting the officials from the District Industries Centre, Anantapur to deliver guest lectures to the students on project profiles and procedural formalities in establishing business units by entrepreneurs.
- Circulating information among prospective employers on the training given to the students in the college.

**5.1.12 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus annually for the last four years).**

The Career Guidance and Placement cell is active in conducting campus recruitment drive.

- One of the achievements of our college during the year 2009 was that 38 final year students got jobs in the Infosys.
- In every academic year 10% of the eligible students get selections for WIPRO ASE programme and TCS Ignite programme.
- A Jawahar Knowledge Center has been working for the last four years. The Department of Commerce has also been conducting a 4 month Government sponsored Job-oriented Accounting Executive course (Tally9.0) since 2009. It has trained five batches of students consisting of 50 students each. Many of them have secured jobs.
- The number of students selected for jobs in various organizations is as follows:
  - 2008: Ultratech Ltd., 5 students
  - 2008: Mahindra and Mahindra Financial Services Ltd.,: 12 students
  - 2009: Median Direct Financial Services Ltd., : 5 students
  - 2009: Infosys : 39 students
  - ING Vysya Bank : 3 students

**5.1.13 Does the College have a registered Alumni association? If yes, what are its activities and contributions to the development of the College?**

**Yes.** The college has a registered Alumni Association - “**S.S.B.N. College Alumni Association**”. In the annual alumni meet, the association members interact with the staff and students for exchange of ideas and experiences. The **voluntary activities** of the association include:

- Suggesting measures to enable the Institution to make rapid strides.
- Fund raising for improving the infrastructure of the college.
- Providing employment opportunities for the outgoing students of this college.
- Instituting Scholarships, Medals to the bright students of different courses.
- Conducting seminars in the areas of their specialization.
- Guiding and helping the out-going students in pursuing higher education and employment.
- Felicitation to the teachers on their superannuation.

The contribution of alumni is made in cash, kind or in the form of service is of significant help for the growth and development of the institution from time to time. Some of the contributions are :

- Endowment Memorial Scholarships worth Rs.9,13,625/-.
- Construction grant under M.P.LADS scheme to the tune of Rs.25,00,000/-.
- Donated air coolers to the Departments of Zoology and Commerce.
- Donated Rs. 25,000 for Sai Benevolent Fund.
- Services like medical assistance, financial aid to the distressed etc.

**5.1.14 Does the College have a student grievance redressal cell? Give details of the nature of grievances reported and how they were redressed.**

**Yes.** The institution has a Grievance Redressal Cell.

**Nature of grievances**

- Internal and External assessment
- Complaints against treatment of Teaching and Non-teaching staff
- Complaints against peers eve-teasing and ragging
- Complaints about facilities in the college
- Grievances against the conduct of intra and inter collegiate games and sports

The Grievance Redressal Cell conducts an independent enquiry and forwards its report to the Correspondent and the Principal for necessary action.

**5.1.15 Does the College have a cell and mechanism to resolve issues of sexual harassment?**

**Yes.** An Eve Teasing Prevention Committee is constituted with the Principal as its chairperson. The senior most management member is the convener. Four staff

members, 3 student representatives and 2 parent representatives are the other members of the committee. This committee deals with the cases of eve-teasing and sexual harassment in co-ordination with Women Empowerment Cell.

One of the unique features of our college is the consistently growing number of women students. This is due to healthy practices prevailing on the campus such as self-maintained discipline and well-behaved nature of the students. There is a constant vigilance kept by our staff creating awareness among the students about the painful consequences of eve-teasing. The students are motivated in the induction classes to conduct themselves well and get name and fame to the institution as well as to their parents. Because of these healthy practices, a congenial and secure atmosphere prevails on our campus.

**5.1.16 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

**Yes.** The Anti-Ragging Committee has been constituted with the Principal as Chairperson. Senior teachers from Life Sciences, Physical Sciences, Humanities, and Physical Education Director are the members and, one among them is the Convener of the committee. **No** serious instances of ragging have been reported so far.

**5.1.17 How does the College elicit the cooperation from all stakeholders to ensure overall development of the students considering the curricular and co-curricular activities, research, community orientation etc.?**

The college authority conducts regular interactive sessions with all stake-holders and collects feedback on curriculum, teaching-learning resources, evaluation methods, research activity, community services, activities of different clubs, extra-curricular activities and student support services etc.

The outcome is shared among all teachers and administrative authorities and suitable suggestions are transformed into resolutions and passed them on to the stakeholders so as to ensure their holistic development.

**5.1.18 What special schemes/mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?**

- Relaxation regarding pre-requisites for admission into various courses.
- Fee concession and fee waiver in special cases.
- Condonation of attendance to the participants in extra-curricular and co-curricular activities.
- Conduct of internal examinations separately in case of clash of the schedule with sports and cultural events.
- Cash awards, payment of college fee and sportswear for achievers by management and staff.
- Scholarships to continue their advanced studies.

**5.1.19 How does the College ensure participation of women in ‘intra’ and ‘inter’ institutional sports competitions and cultural activities? Provides details of sports and cultural activities in which such efforts were made?**

Women constitute 42% of the total faculty and 52% of the total student strength. Two women teachers represent sports committee every year. Senior women faculty, in coordination with the Physical Director and Programme Officers of NSS units, conducts interactive sessions to create awareness among the women students on opportunities in sports and cultural activities.

Motivated women students participate actively in ‘intra’ and ‘inter’ institutional Kho-kho, Kabaddi, Basketball, Table Tennis, Shuttle Badminton, Athletics, Music, Dance, Painting, Collage, Mime, Skit, One-act-play, Mimicry, Clay-moulding, Cartooning, Rangoli etc.

Our women students emerged as “overall champions” in sports and games bagging many prizes consecutively for three years besides securing state level prizes in cultural activities.

**5.2 Student Progression**

**5.2.1 Provide details of programme-wise success rate of the College for the last four years. How does the College compare itself with the performance of other autonomous Colleges / universities (if available)**

**Examination Results (Last Four years, branch wise)**

Sl. No	Year	Course	Appeared	Distinction	First Class	Second Class	Third Class	Total No. of students passed	%
1	2008-09	<b>UG COURSES</b>							
		B.A.	88	6	60	12	-	78	88.64%
		B.Com.	81	7	52	12	-	71	87.65%
		B.Com. (Comp)	51	14	28	4	-	46	90.20%
		B.Sc.	452	129	214	10	-	353	78.10%
		<b>PG COURSES</b>							
		M.Sc. Maths	18	8	6	1	-	15	84.00%
		M.Sc. Electronics	21	9	12	-	-	21	100.00%
		M.Sc. Physics	26	11	9	4	-	24	92.00%
		M.Sc. Chemistry	26	9	9	2	-	20	76.90%
2	2009-10	<b>UG COURSES</b>							
		B.A.	69	2	37	19	-	58	84.06%
		B.Com.	96	5	46	24	-	75	78.13%
		B.Com. (Comp)	55	12	38	2	-	52	92.85%
		B.Sc.	459	130	207	15	-	352	76.86%
		<b>PG COURSES</b>							
		M.Sc. Maths	38	14	10	8	-	32	85.00%
		M.Sc. Electronics	36	24	12	-	-	36	100.00%
		M.Sc. Physics	21	10	8	-	-	18	86.00%
		M.Sc. Chemistry	32	8	9	4	-	21	65.62%

3	2010-11	<b>UG COURSES</b>							
		B.A.	56	3	34	12	-	49	87.50%
		B.Com.	111	7	56	26	-	89	80.18%
		B.Com. (Comp)	57	14	38	1	-	53	92.98%
		B.Sc.	409	117	157	5	-	279	68.38%
		<b>PG COURSES</b>							
		M.Sc. Maths	20	7	6	1	-	15	75.00%
		M.Sc. Electronics	36	15	21	-	-	36	100.00%
		M.Sc. Physics	33	14	16	-	-	30	90.00%
		M.Sc. Chemistry	34	12	14	3	-	29	85.00%
4	2011-12	<b>UG COURSES</b>							
		B.A.	48	-	34	8	-	42	87.50%
		B.Com.	110	03	56	20	-	79	71.82%
		B.Com. (Comp)	58	10	33	2	-	45	77.59%
		B.Sc.	380	144	143	3	-	290	76.32%
		BBM	32	12	17	1	-	30	93.75%
		<b>PG COURSES</b>							
		M.Sc. Maths	16	2	6	3	3	14	87.50%
		M.Sc. Electronics	35	9	15	7	4	35	100.00%
		M.Sc. Physics	30	7	13	5	4	29	96.67%
		M.Sc. Chemistry	36	6	14	5	5	30	83.33%

**5.2.2 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the observed trends.**

Student progression	%
UG to PG	37
UG to B.Ed. and other Professional courses	29
PG to M.Phil.	12
PG to Ph.D.	15
Employed	
• Other than campus recruitment	26
• Campus selection	04

**5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?**

Programme	Completion rate	Dropout rate
B.Sc.,	77%	3%
B.A.,	87%	6%
B.Com.,	72%	7%
B.Com(CA)	78%	2%
BBM	92%	6%

**5.2.4 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.**

- Central / State Services - 12
- PG CET - 1500
- Ed.CET - 3000
- DSC - 126
- ICET - 275
- LAW CET - 45
- CA – 05
- TOFEL – 05
- GMAT – 04
- GRE – 05
- SLET - 04

**5.2.5 Provide details regarding the number of Ph.D/D.Sc./D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.**

- Ph.D./M.Phil., theses submitted and accepted - 103 ( 4 Ph.Ds.+ 99 M.phils.,).
- Ph.D./M.Phil., theses rejected and resubmitted - Nil.

**5.3 Student Participation and Activities**

**5.3.1 List the range of sports and games, cultural and extracurricular activities available to students. Provide details of participation and program calendar.**

PARTICIPATION OF STUDENTS IN SPORTS AND GAMES AT VARIOUS LEVELS

S. No	Details	University Level				National tournament level				Intercollegiate			
		08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12
1	Volley ball	05	03	06	05	01	01	---	---	24	24	24	24
2	Kabaddi	05	05	06	07	01	---	---	---	24	24	24	24
3	Kho-kho	02	03	---	04	---	---	---	---	24	24	24	24
4	Cricket	03	04	---	03	---	---	---	---	32	32	16	16
5	Basketball	08	09	08	07	02	02	---	01	24	24	20	18
6	Ball badminton	04	06	05	02	02	02	---	---	20	20	20	20
7	Shuttle Badminton	02	02	---	---	---	---	---	---	08	08	08	08
8	Table Tennis	01	02	---	---	---	---	---	---	04	04	04	04
9	Judo	01	01	01	----	02	01	----	----	02	02	02	02
10	Hockey	---	---	---	---	---	---	---	---	----	----	12	12
11	Javlin	---	---	---	---	---	---	---	---	04	04	04	04
12	Disc	----	01	01	---	---	---	---	---	04	04	04	04
13	Running (100 mtrs)	01	01	01	---	---	---	---	---	03	03	03	03
14	Running (200 mtrs)	01	01	----	01	---	---	---	---	04	04	04	04
15	Running (400 mtrs)	---	---	---	---	---	---	---	---	02	02	03	02
16	Running (800 mtrs)	---	---	---	---	---	---	---	---	04	03	02	02
17	Chess	---	01	01	01	---	---	---	---	02	03	04	04
18	Lawn Tennis	01	---	---	---	---	---	---	---	02	01	---	---

## PARTICIPATION OF STUDENTS IN CULTURAL ACTIVITIES AT VARIOUS LEVELS

S. No	Details	University Level				District Level				National/South zone level			
		08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12
<b>Cultural Activities</b>													
1	Classical Vocal solo	01	---	---	01	01	---	---	---	---	---	02	---
2	Light Vocal solo	01	---	---	01	01	---	---	---	---	---	---	---
3	Singing Folk	---	---	---	---	---	---	---	---	---	---	03	---
4	Western Vocal Solo	01	---	---	01	---	---	---	---	---	---	---	---
5	Group Song Folk	06	---	---	06	03	---	---	---	---	---	06	---
6	Group song Patriotic	06	---	---	06	03	---	---	---	---	---	06	---
7	Group Dance folk	06	---	---	06	03	---	---	---	---	---	06	
8	Group Song Western	06	---	---	06	---	---	---	---	---	---	---	---
9	Classical Dance Solo	01	---	---	---	---	---	---	---	---	---	---	---
10	One Act Play	10	---	---	10	---	---	---	---	---	---	---	---
11	Skit	06	---	---	06	03	---	---	---	---	---	---	---
12	Mime	06	---	---	06	03	---	---	---	---	---	---	---
13	Mimicry	01	---	---	01	01	---	---	---	---	---	---	---
14	Collage	01	---	---	01	---	---	---	---	---	---	---	---
15	Poster Presentation	01	---	---	01	---	---	---	---	---	---	---	---
16	Clay modeling	01	---	---	01	01	---	---	---	---	---	---	---
17	Rangoli	01	---	---	01	---	---	---	---	---	---	---	---
18	Cartooning & Painting	02	---	---	02	---	---	---	---	---	---	---	---

### 5.3.2 Provide details of the previous four years regarding the achievements of students in co-curricular, extracurricular activities and cultural activities at different levels: University / State / Zonal / National / International, etc.

Our college hosted S.K. University Inter Collegiate Women's Games Meet in 2008-09. Our college bagged overall champions in sports and games two times and Women all-round champions four times in the last five years. As a result of exemplary performance by men and women teams in sports, our college was declared overall champions with 73 points during 2009-2010. We have also been winners in basketball for twelve consecutive years. Our basketball team played against **China** team in **All-India Invitation Tournament** held in VIT, Vellore in February 2012. Out of the two basketball players selected at the State level, Mr. P. Yogesh Babu, was one who represented our college 'Under Eighteen Indian Camp' at Indira Gandhi Stadium, New Delhi. We are equally good at other games like Kabaddi, Ball Badminton, Shuttle Badminton, Khokho, Table Tennis and Chess.

The women students of our college bagged 10 Gold medals and 5 Bronze medals in Inter-Collegiate Sports Meet held at Hindupur. N. Nandini, 1<sup>st</sup> B.A. was selected for National Level Tennicoit. Ms. D Gulzar of III B.A., secured the title “**Junior India**” in Kabaddi when she played against **Bangladesh** at Eluru.

**ACHIEVEMENTS OF STUDENTS IN SPORTS AND GAMES AT VARIOUS LEVELS**

S. No	Details	Intercollegiate			
		08-09	09-10	10-11	11-12
1	Volleyball	Winners(M&W)	Winners(M&W)	--	--
2	Kabaddi	Winners(M)	Winners(W)	Winners(W)	Winners(W)
3	Kho-kho	Winners(W)	Winners(W)	Winners(W)	Winners(W)
4	Cricket	--	--	--	Winners(M)
5	Basketball	Winners(M&W)	Winners(M&W)	Winners(M&W)	Winners(M) Runners(W)
6	Ball badminton	Winners(W)	Winners(W)	Winners(W)	--
7	Shuttle Badminton	Winners(W)	Winners(W)	Winners(W)	--
8	Table Tennis	Winners(W)	Winners(W)	Winners(W)	--
9	Judo	Winners(M)	Winners(M)	Winners(M)	--
10	Hockey	--	--	--	--
11	Javelin	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)	--	2 <sup>nd</sup> place(M)
12	Disc	1 <sup>st</sup> place (W)	2 <sup>nd</sup> Place(W)	--	2 <sup>nd</sup> place(M)
13	Running (100 mtrs)	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)	--	--
14	Running (200 mtrs)	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)
15	Running (400 mtrs)	2 <sup>nd</sup> Place(W)	2 <sup>nd</sup> Place(W)	--	--
16	Running (800 mtrs)	1 <sup>st</sup> place (W)	1 <sup>st</sup> place (W)	--	--
17	Chess	--	--	--	2 <sup>nd</sup> Place(M)

## ACHIEVEMENTS OF STUDENTS IN CULTURAL ACTIVITIES AT VARIOUS LEVELS

S. No	Details	University Level				District Level				National/South zone level			
		08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12	08-09	09-10	10-11	11-12
1	Running (100 mtrs)	---	---	---	---	---	---	02	---	---	---	---	---
2	Chess	---	---	---	---	---	---	01	---	---	---	---	---
<b>Cultural Activities</b>													
1	Classical Vocal solo	01	---	---	01	---	---	02	---	01	---	---	---
2	Light Vocal solo	01	---	---	01	---	---	---	---	01	---	---	---
3	Singing Folk	---	---	---	---	---	---	03	---	---	---	---	---
4	Western Vocal Solo	01	---	---	01	---	---	---	---	---	---	---	---
5	Group Song Folk	06	---	---	06	---	---	06	---	---	---	---	---
6	Group song Patriotic	06	---	---	06	---	---	06	---	---	---	---	---
7	Group Dance folk	06	---	---	06	---	---	06	---	---	---	---	---
8	Group Song Western	06	---	---	06	---	---	---	---	---	---	---	---
9	Classical Dance Solo	01	---	---	---	---	---	---	---	---	---	---	---
10	One Act Play	10	---	---	10	---	---	---	---	---	---	---	---
11	SKIT	06	---	---	06	---	---	---	---	---	---	---	---
12	Mime	06	---	---	06	---	---	---	---	---	---	---	---
13	Mimicry	01	---	---	01	---	---	---	---	---	---	---	---
14	Collage	01	---	---	01	---	---	---	---	---	---	---	---
15	Poster Presentation	01	---	---	01	---	---	---	---	---	---	---	---
16	Clay Modeling	01	---	---	01	---	---	---	---	---	---	---	---
17	Rangoli	01	---	---	01	---	---	---	---	---	---	---	---
18	Cartooning & Painting	02	---	---	02	---	---	---	---	---	---	---	---

### 5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

**Yes.** The college collects feedback once a semester from students by means of administering a student questionnaire divided into three parts. Part A is the feedback of students on the Course, Teaching and programmes of study. Part B is the feedback of students on teachers and support services. Part C is the exit questionnaire for graduating students. The feedback enables us to evaluate our programmes, teachers

and to chalk out future plans of action. The feedback is subjected to an analysis by the social sciences faculty.

**5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?**

**Yes.** The College is in constant interaction with its alumni and their employers and takes their feedback for the improvement of its curricula, teaching and learning methods, student support services and infrastructure. This gives encouragement for a better performance and to improve the productivity in teaching and research. Such feedback has helped many teachers to pursue their research leading to M.Phil., and Ph.D., and publishing research articles in reputed journals. It has also encouraged our teachers to participate in seminars, symposia, conferences, workshops, refresher courses, orientation courses and, to get teacher awards and recognition from scientific organizations, etc.

**5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.**

The institution has a definite vision on development of various creative skills of the students. The training and encouragement is aimed at encountering the complexities of future challenges. The faculty with experience and exposure in this particular area guide the students to explore newer selves within them by recognizing their creative abilities.

The Institution publishes an annual college magazine as a platform for the students' creative thinking and writing. The magazine is bilingual with articles published in Telugu and English. The students are encouraged to contribute through articles, poems, jokes, riddles, drawings, paintings, slogan writing and sketches. Students' creative contributions are evaluated and edited by an editorial board including teachers and a few students. The magazine focuses on cultural, polity, environment, science and technology, education system, values, literature, and local community issues.

The students of Humanities of our college bring out a wall-paper on special occasions like Mahatma Gandhi Jayanti, Swami Ramanand Teertha's death anniversary, Kargil Vijay Divas, etc.

The areas and themes of quarterly wall magazine include college news and relevant National and Inter-national news of importance. Apart from this, the faculty members also encourage students to contribute to news-papers and magazines.

**5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.**

The institution does not have a students' union as per the policy of State Government. However, the institution creates a different opportunity for the students to exercise their democratic rights as main stakeholders. The nominated Class Representatives (CRs) by the Principal in the beginning of the academic year through consensus look after the general activities and the welfare of the common student in the class.

Representatives from NSS, NCC, Cultural and Sports wings, WEC and SAGE (one from each) are nominated by the unit in-charge on the basis of the students' participation and contribution. The details of major activities of the representative bodies are as follows:

- Blood Donation and Blood Grouping Camps
- Tree Plantation
- Campus Clean and Green Drive
- AIDS Awareness Programmes and Anti-AIDS Rally
- Medical Check-ups and Health camps
- Personality Development Programmes
- The collection of fund for communal harmony, the Army, the victims of natural calamities such as Tsunami, floods, etc.
- Fund raising for the benefit of distressed peers

### **5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.**

The institution creates a platform for the democratic involvement of the students in various academic, administrative and other activities. This empowers students to gain the qualities of leadership and governance. The following are the details:

- The participation and co-operation of the student community through the Students' Council is sought as and when required for the academic and administrative matters.
- Library Committee - Student representatives act as a bridge between the students and the authorities of the institution to address the students' woes related to library.
- Publication Committee - Students bring out a college magazine, wall paper and wall magazine with teachers on the editorial board.
- Departmental Purchase Committee – Three student representatives represent the student needs of the department and facilitate purchases.
- IQAC - Student representatives are part of IQAC in planning and executing the quality assurance programmes.
- Sports and Games Committee – Two student members of the committee talk about student needs and participate in the decision making process related to sports and games material purchases and inventory management.

*Any additional information regarding Student Support and Progression, which the institution would like to include.*

Activity	Pre-Accreditation before 2007	Post Accreditation 2007-2012
• Amount of scholarships/free ships to students	Rs.25,00,024 per annum	Rs.86,94,175 per annum
• Sai Benevolent Fund	Rs 21,000	Rs 2,92,000
• Amount disbursed from SBF to the needy	---	Rs 2,23,500
• Number of Endowment Scholarships	11	23
• Endowment Scholarships amount	Rs 2,33,975	Rs 9,13,625
• Interest earned on Endowments Distributed	Rs 10,043	Rs 1,62,700
• Number of students selected for State Services	04	06
• Number of students selected in corporate sector	14	64
• Student progression to Higher Education (PG)	28%	37%
• Overall Championship	--	Two times
• Women all round Championship	--	Three times
• South zone level participation	17	132
• National Level participation	01	14
• Cultural Activities District Level	12	23
• Cultural Activities South Zone Level	02	02
• Cultural Activities University Level	65	113
• Campus drive	Nil	4
• UGC sponsored remedial coaching	Nil	5 Departments
• Social arm to empower women students - WEC	Nil	01
• Anti-ragging committee	No	Yes
• Women restrooms	2	4
• Consultant women coach	No	Yes
• Student representatives in administrative committees	Moderate participation	Extensive participation

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 State the vision and mission of the College.**

#### **OUR VISION AND MISSION**

##### **Vision**

- To establish a premier educational institution that imparts quality education at a very affordable fee structure to the rural and the underprivileged sections, keep pace with knowledge explosion and give employment orientation to education.
- To promote research culture among the faculty and encourage the formation of Research Centres.
- To give “student and faculty-friendly” governance ensuring transparency.
- To transform this College into a Deemed to be a University in this perpetually drought-affected and economically backward region of Rayalaseema.

##### **Mission**

- To provide quality higher education at an affordable fee structure.
- To bring about progressive, qualitative reforms in pursuit of excellence.
- To address the academic needs of the student community through wide variety of courses.
- To attract talented teachers and to promote research culture among them.
- To make the students intellectually competent to face the competitive world of employment.
- To contribute to the popularization of Science education and values in education.
- To contribute to the self-development of the students leading to community and national development.
- To provide transparent governance and management.

#### **6.1.2 Does the mission statement define the College’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, College’s traditions and value orientations, vision for the future, etc.?**

**Yes.** Autonomy-enabled academic freedom has made it possible to regularly revise and update the curricula appropriate to the changing needs of the society. Indeed, inter-disciplinary elective subjects are a leap forward in this direction. Introduction of assignments and class seminars apart from internal tests constituting continuous evaluation are aimed at student-centric education.

The Institute seeks to serve its students through Sai Benevolent Fund, various Endowment and Social Welfare Scholarships, approaching diversified social service

societies and NGOs for financial aid apart from organizing character-building programmes on moral and ethical values, legal awareness, gender sensitization, etc.

The college, through its active service units - NSS, NCC, Red Ribbon and ECO Clubs and through its social-arm SAGE–strives to inculcate the values of sense of social responsibility, respect for elders, honesty, concern, compassion and kindness in maintaining bio-diversity, etc. A good playground with basketball court of international standards keeps the students physically fit.

Thus, the curriculum designed by the institution comprehensively covering all the areas of knowledge moulds the students to be intellectually strong, physically robust, emotionally stable and socially responsible for a life of dignity for all.

### 6.1.3 How is the leadership involved in

- **ensuring the organization's management system development, implementation and continuous improvement**
- **interaction with stakeholders**
- **reinforcing culture of excellence**
- **identifying needs and championing organizational development (OD)?**

The leadership emanating from the General Body of the ADNE Trust, the highest policy making body of the college, percolates through the GC (elected once in three years), the Principal, the Departmental Heads, Student Evaluation Division and the college administrative wing. Attainment of autonomy enabled the college to set up the statutory bodies such as GB, AC, BOS, IQAC, Student Evaluation Division and Expert Advisory Committees to ensure quality teaching-learning and evaluation to the stakeholders.

The management system with the academic components like BOS, Academic Council and Governing Body evaluates the growth of the institution every year and implements strategies for continuous improvement as per UGC norms. The departmental heads have autonomy at their level to enforce the academic resolutions of different statutory bodies. The Correspondent and the Principal monitor the day-to-day implementation of the decisions and improve the process continuously to reinforce the culture of excellence with quality teaching and learning.

The various Cells constituted by the college, the Alumni association, IQAC, feedback from students and stakeholders help in identifying the areas of Organizational Development (OD).

The Governing Body, with its enlightened Organisational Development (OD) vision has encouraged the staff to pursue excellence through teaching, research, extension activities and so on and obtained from the UGC the status of a College with Potential for Excellence in 2010.

The Management involves all stakeholders and interacts with them regularly on different platforms to identify internal problems and to keep the institution on the move.

**6.1.4 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.**

No

**6.1.5 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?**

Yes

**6.1.6 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.**

Yes. The College promotes a culture of participative management by involving students and other stakeholders in all administrative committees and academic bodies. A three level interactive participative management operates in the college – Student Level, Teacher Level and Management Level.

**6.1.7 Give details of the academic and administrative leadership provided by the University to the College?**

The affiliating university nominates senior professors as members to the respective BOS, AC and GB to provide academic and administrative leadership. Their expertise in their fields is reflected in all our resolutions made in statutory bodies.

**6.1.8 How does the College groom the leadership at various levels?**

The college management encourages and motivates all stakeholders through Leadership Training Programmes by external experts.

**6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.**

Yes. Our Research Centers, Library and ICT Center are the knowledge centers of the college with a strategy to

- generate new knowledge
- access valuable knowledge from outside sources
- use accessible knowledge in decision making as per the organizational structure
- facilitate knowledge growth through culture and incentives
- embed knowledge in process and services
- transfer existing knowledge to other parts of the organization
- measure the value of knowledge assets and impact of knowledge management

Knowledge management strategy of the college is to enhance the use of organizational knowledge through sound practices, viz. training every stake-holder in accessing information and guiding to appropriate resource of knowledge management

and organizational learning. Thus the knowledge management is a combination of information management, communication and human resources.

#### **6.1.10 How are the following values reflected in various functions of the College?**

- **Contributing to national development**
- **Fostering global competencies among students**
- **Inculcating a value system among students**
- **Promoting use of technology**
- **Quest for excellence**

##### **❖ Contributing to national development**

The extension activities conducted by NSS, NCC, ECO Club, Red Ribbon Club, SAGE and Citizenship Education offered as one of the subjects of the study contribute to national development by inculcating a sense of social responsibility and leadership qualities in the students.

##### **❖ Fostering global competencies among students**

Curricular design of the college in all subjects reflects the latest global trends in science, technology, polity, economic phenomena, commerce and management, so that the students acquire skills to understand such trends to become globally competitive.

##### **❖ Inculcating a value system among students**

Conducting and organizing Seminars and Workshops on ‘moral and ethical values’, ‘gender equity’, ‘soft and communication skills’, and other awareness programmes involving social activists and enlightened academics promote a value system of a sense of social responsibility, complete commitment and total conviction among the students that the path chosen by them is a right one.

##### **❖ Promoting use of technology**

The Institution promotes the use of technology extensively through an ICT center with state-of-the-art high-end teaching-cum-learning infrastructure and 10 ICT powered classrooms. All the teachers are encouraged to apply multimedia technology in the regular teaching-learning process and make teaching more interesting, learner-centered and a pleasurable experience.

##### **❖ Quest for excellence**

The Institution’s excellent curricular aspects, teaching and learning, research consultancy and extension work, infrastructure, students support services, transparent governance and healthy practices have prompted the UGC to confer ‘The College with Potential for Excellence’, status on our institution.

Yet, our quest for excellence will continue with enhanced concentration on

- transparent admission and student mentoring mechanism
- transparent governance and value based education
- state-of-the-art infrastructure
- interaction with experts in BOS leading to learner-centric curriculum with local and contemporary relevance
- innovative teaching methods and ICT powered teaching
- mandatory students projects and seminars
- research centres, publication work of the teachers, conduct and participation in national and international seminars
- free consultancy services and outreach community programmes
- excellence in co-curricular and extracurricular activities
- scholarships and placements

**6.1.11 Give details of the UGC autonomous review committee's recommendations and its compliance.**

S. No	Recommendations	Compliance
1	Adopt innovative teaching practices to make learning student centric and conduct workshops to train the teachers in innovative pedagogy.	Student centric ICT enabled teaching-learning being practiced funded by UGC-CPE grant. All the staff members apply multimedia for better presentation of difficult concepts in their respective domains.
2	Introduction of Choice Based Credit System.	Choice Based Inter Disciplinary Electives in all subjects introduced in the first and the third semesters.
3	Introduce skill based courses and integrate communication skills with curriculum.	Co-curricular activities are made mandatory with due weightage and supplemented by regular PDP programmes.
4	Multiple electives can be offered	Respective BOS resolved to introduce multiple electives in the last semester of the courses.
5	Integration of computer skills and communication skills with the curriculum	All BOS resolved to integrate IT and soft- skills with their respective curriculum.
6	Replace the courses, which are not in demand.	Governing Body resolved to start restructured courses to meet the local needs.

## 6.2 Strategy Development and Deployment

### 6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

- **Teaching and learning**
- **Research and development**
- **Community engagement**
- **Human resource planning and development**
- **Industry interaction**
- **Internationalisation**

The institution has a perspective plan for Institutional development prepared by the College Planning and Development Committee. The committee consists of the Correspondent, the Secretary, the President of the Trust, the Principal, Heads of the Departments, the IQAC Coordinator and the Office Superintendent. They meet periodically to prepare the action plan for the Institution with regard to preparing the necessary budgets for departmental activities, fees structure, proposals for grants from UGC and other NGOs, introduction of new courses at UG and PG levels and infrastructure development.

- **Teaching and learning**

The teaching staff prepares an academic plan for the academic year scheduling the same into monthly intervals, and making necessary provision for curricular and co-curricular activities. They also prepare teaching notes for their respective classes. The learner-centered activities of interactive sessions, student seminars and project works, assignments, internal assessment examinations, participation in extension, co-curricular and extracurricular activities are planned and implemented.

- **Research and development**

The departments of Electronics, Physics, Mathematics and Chemistry have specialized Research Centers with all required facilities to carry out subject related research in general and interdisciplinary research in particular. The department of Electronics conducted research through two teachers working in the same department to obtain their Ph.Ds. Two Ph.D theses in Mathematics have been submitted for approval.

The library and ICT centre are information resource centers with sufficient research journals, e-journals, e-books and internet facilities to cater to the needs of researchers. The faculty of college publishes research articles in leading national and international journals. The research committee encourages the faculty to work for acquiring Ph.D. and M. Phil., qualifications. Such efforts have resulted in 29 teachers acquiring Ph.Ds. while 16 secured M.Phils. At present 8 teachers are pursuing doctoral degrees while four have undertaken Major Research Projects funded by UGC and APSCHE. 03 faculty members have been working on the Minor Research Projects funded by UGC.

- **Community engagement**

The institution organizes two types of community engagement programmes, through NSS, NCC, ECO Club and Red Ribbon Club to promote institution-neighborhood network and sustained community development - subject related activities and general extension activities. Subject related activities include student study projects, surveys, analyse reports, preparation of charts and models. These activities, part of academic curriculum, are carried out during holidays and outside the college scheduled timings. General extension activities are implemented through NSS, NCC, ECO Club, Red Ribbon Club and SAGE The volunteers organize these activities in rural areas during semester-end holidays.

- **Human resource planning and development**

The number of posts sanctioned by the authorities concerned is the basis for human resource planning and development. The qualifications and experience are taken into consideration for the selection of the teaching staff for each department.

The institution advertises the sanctioned posts following rules of reservation of Govt. of A.P. in leading Newspapers. The Selection Committee scrutinizes the applications received and calls the eligible candidates for an interview and selects them based on their performance. Some teachers were recruited by the then A.P College Service Commission, Hyderabad on permanent basis.

Additional faculty members are appointed by the Management Committee based on their performance at the interview for the full-time positions that may arise on account of deputation, FIP, retirement and death.

The Management of the College has been evincing tremendous interest to promote teacher development by granting leave for FIP to pursue M.Phil., and Ph.D., programmes, sending the teachers for participating in orientation / refresher courses, organizing seminars and conferences and deputing the teachers to attend national and international seminars.

- **Industry interaction**

The institution invites entrepreneurs, industrialists and practicing managers to the campus. Interactive sessions, guest lectures and industrial visits are arranged to impart skills to understand the latest trends in business and industry. The students are given internships to pursue project works. The industry experts are included in the BOS of Commerce and Business Management. MOUs are entered with local industries.

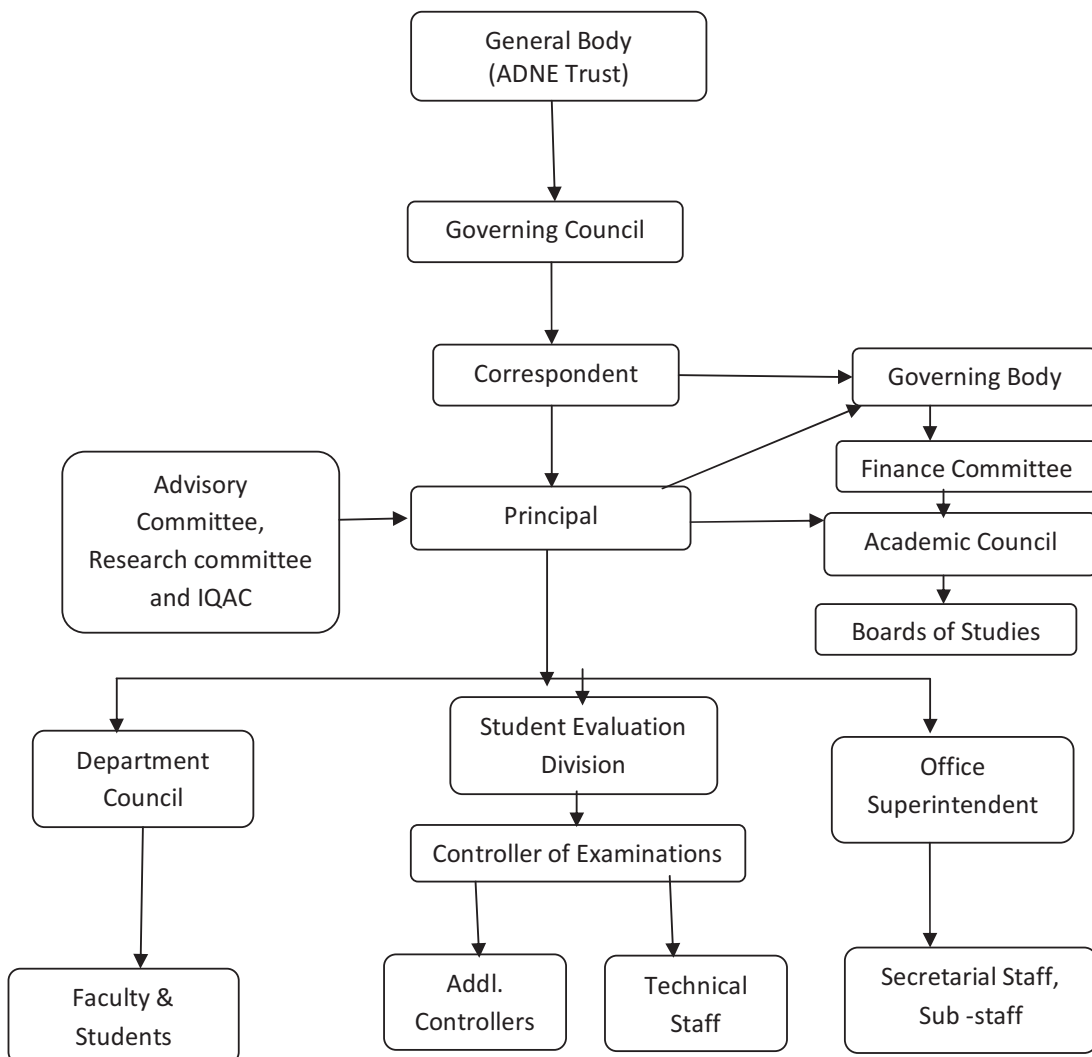
- **Internationalization**

All stakeholders of the Institution publicize the vision and mission, infrastructure, innovative teaching practices, research, student support services, value-system and culture on international forums. The college website provides online access for updated information on initiatives.

**6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.**

The internal organizational structure of the college shows the hierarchy, flow of authority, communication channels and the link of different positions. The decisions are taken at governing council meetings and implemented through the office of the Principal. The structure also shows the statutory bodies set up since the conferment of autonomy to promote quality in teaching-learning methods.

**THE INTERNAL ORGANIZATIONAL STRUCTURE**



The Principal, as the leader of the organization, plays a key role in taking decisions and executing them, acting as a liaison between Management, staff, students, parents and the public. Admissions, administration and academic functions include the major responsibilities of the leadership. The administrative and academic committees monitor the quality initiatives. The Principal along with the faculty decides academic issues which are forwarded to the Management for approval. While the meetings of

the statutory bodies like the Governing Council, Governing Body, Finance Committee, Academic Council and BOS are held once a year, the working committees meet once in three months and the grievance redressal committee meets take place fortnightly. Thus, it is a coherent managerial structure with a high degree of decentralization of authority at various levels leading to effective functioning of the college.

The Management meets the staff on an average of eight times a year for transacting academic business. The perspective plan for Institutional development is designed by the college Planning and Development Committee consisting of the Correspondent, the Secretary and the President of the Trust, the Principal, the Heads of the Departments and the Office Superintendent. The proposals of this committee in the last five years regarding construction of labs, starting new self-financing courses and going in for Autonomy were all implemented. The Principal with three senior members prepares the academic calendar in consultation with the departments.

### 6.2.3 Specify how many planned proposals were initiated / implemented, during the last four years. Give details.

Plan proposals initiated and implemented during the last four years

Sl. No	Plan /Proposals	Year of Initiation	Year of Implementation
1	Applying for the status of College with Potential for Excellence (CPE)	2007-2009	2010
2	Starting of New courses in Management (UG) and Life Sciences (PG)		2009 (BBM) 2010 (M.Sc. Bio-tech)
3	Office automation		2010
4	Starting need based add-on certificate courses		2008 (Accounting Executive-Tally 9.0)
5	Establishing ICT center		2010
6	Establishing Research Centers in the departments of Physics, Mathematics and Chemistry.	2009-2011	2010 (Physics) 2012 (Mathematics) 2012 (Chemistry)
7	Advent of new social arm Sai Allied Grameena Empowerment - SAGE		2010 (SAGE)
8	Strengthen the extension activities in Co-ordination with local NGOs		2011(SAI,RDT,MANAV ATHA,APTHAMITHRA, SSDH, LIONS CLUB, RUDSETI)
9	Construction of Air Conditioned Seminar Hall and restrooms for girls in library block		2012
10	Construction of E-Class rooms		2012
11	Introduction of IDE		2012
12	Institute-Industry linkage - MOUs		2012

13	Conduct of Health Camps	2011-2012	2012
14	Conduct of Leadership Training programs to students		2012
15	Conduct of PDP by corporate soft skills trainers		2012
16	Starting of New PG course in Commerce		2012 (M.Com.)
17	Conduct of Faculty Enrichment Programs		2012
18	Flood lighting and stands at basket ball court		2012
19	Initiating evaluation reforms by adopting continuous evaluation and weightage to the study projects		2012
20	Organizing career guidance programmes		2012

#### 6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

**Yes.** The Institution's comprehensive quality policy is designed based on the changing needs to ensure effective teaching, learning, maintenance of the knowledge generated to bear fruit. An Internal Quality Assurance Cell was created in 2007 to assure and sustain quality in all aspects of the institution. The formally stated quality policy is stated below:

- Involving experts from different fields in Board of Studies to design curriculum.
- Inclusion of thrust areas in curriculum and periodical revision and restructuring.
- 15-Choice Based Interdisciplinary Electives.
- State-of-the-art infrastructure.
- Mandatory assignments, student seminars and student projects with due weightage in CIE.
- Lab manuals and work books to ensure acquisition of skills.
- Adoption of ICT in teaching and learning extensively.
- Monthly academic audit at departmental level.
- Deploying anti-plagiarism tools to assure quality oriented interdisciplinary research.
- Thrust on extra-curricular activities and soft skills.
- Continuous and transparent evaluation system.
- Peer evaluation and self-appraisal of the teachers.
- Student evaluation of the teachers through feedback mechanism.
- Regular workshops on quality enhancement and sustenance by IQAC.
- Internal audit in accounts and inventory.
- Self-appraisal of administrative staff and verification of the facts by the Principal.
- Govt. audit of accounts.
- Student centric support services.

Thus, the effectively designed, driven, deployed and reviewed quality policy since the inception of the college has ensured holistic personality of the learners as the Institution believes quality is the benchmark in its services.

**6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?**

The institution has a Grievance Redressal Cell which addresses the following grievances.

- a) Anomalies in evaluation
- b) Complaints about staff
- c) Complaints about peers
- d) Complaints about facilities
- e) Complaints about conflicts in sports and games

The Grievance Redressal Cell receives complaints signed or anonymous, from students and staff and analyzes the nature of the grievances, conducts an independent enquiry with all concerned, resolves the grievances and submits its report to the Correspondent and the Principal for necessary action, within a reasonable time frame.

**6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?**

**Yes.** The College obtains feedback from students by administering the questionnaires during the course and in the last week of the instruction (exit questionnaire) to collect opinions and endorsement. The growing enrolment of students in general and women students in particular every year strengthens the goodwill that the college has been enjoying in the society.

A Committee of senior faculty constituted for the purpose, analyzes the feedback. The Committee's report is placed before the Principal and through the Principal before the Management for any administrative initiatives necessary in the matter to make the system more students' friendly.

**6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?**

Regular interactions with affiliating university authorities like Registrar, SE, CE, Deans UG and PG, CDC, DOA and their involvement helps us to identify the developmental needs of the college in respect of curriculum design, starting new UG, PG and research courses and infrastructural development.

**6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.**

**Yes.** The college is benefitted by

- The nomination of university professors to respective BOS, AC and GB of our college for their expertise to be utilized for the designing of curriculum.
- Appointing inspection commissions for starting of new UG and PG courses, establishing the research centres, verifying infrastructure facilities, specifying student strength in each course, granting temporary and permanent affiliation and to review autonomous status.
- Nominating subject experts for selecting management appointees
- Forwarding the review reports to UGC and disseminate information received from UGC to the college. Thus, the university acts as a nodal agency between the UGC and the college.
- Advising the college on lapses identified by different committees and necessary rectification.
- Providing training to the teachers on various teaching methods and research.

### **6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized?**

The College collects feedback from non-teaching, teaching, parents and alumni by means of administering a questionnaire, inter-personal interface, open house discussion on its functioning with respect to courses, curriculum, teaching, infrastructure, student support services, staff-student relationship, peer relationship and other facilities. Feedback studies have been made department-wise for analysis by the Principal and IQAC. This analysis enables us to evaluate our programmes, teachers and to chalk out future action plans for the smooth and effective functioning of the college.

### **6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?**

**Yes.** All our academic departments empowered with complete autonomy within the frame of UGC guidelines for the autonomous colleges. However, academic advisory committees work in close association with all the departments in formalizing procedures and reporting practices before passing resolutions to ensure accountability to all the stakeholders.

### **6.2.11 Does the College conduct performance auditing of its various departments?**

**Yes.** The college management conducts performance auditing with respect to teaching, results, placements and status of alumni once in an academic year apart from the Govt. statutory audits.

## **6.3 Faculty Empowerment Strategies**

### **6.3.1 What efforts are made by the College to enhance the professional development of teaching and nonteaching staff?**

The college consistently strives to create conditions for enhancement of the professional development of the staff. The following are the steps implemented:

### Teaching Staff

- Granting study leave under FIP.
- Grant of permission to attend orientation / refresher courses.
- Establishment of S.K.U. recognized research centers.
- Granting permission to the teachers to guide research scholars of various universities in distance mode.
- Deputing the teachers to attend national and international seminars and workshops.
- Encouraging teachers to contribute articles to magazines and research journals
- Providing financial assistance to organize state and national level seminars and workshops.

The details of faculty participation of the above are given in the respective evaluative reports of the departments.

### Non-teaching Staff

- Encouraging non-teaching staff to upgrade their qualifications and working skills.
- Encouraging non-teaching staff to clear the departmental examinations.
- Granting promotions to higher positions.
- Conducting periodical workshops to update their technical skills.
- Deputing the non-teaching staff to Dr. MCR Institute of HRD for short-term training on administrative matters.
- Training to the administrative staff by Tax Experts.

### 6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Every teacher makes self-appraisal once a year in a prescribed form supplied by the Principal of the Institution. The Principal reviews the appraisal at the end of the academic year, which is a touchstone to their effective functioning.

Performance indicators are submitted to the Correspondent through the Principal. These indicators assess the performance of teachers, co-curricular activities like tests, assignments, seminars, group discussions and healthy practices, research and extension activities. They are scrutinized and assessed. The authorities of the institution suggest proper modifications for improvement in the performance, if necessary.

The self-appraisal of non-teaching staff is analyzed by the Correspondent and the Principal based on the feedback given by the Office Superintendent.

The outcome of the review of performance appraisal reports:

- Improved professional competencies of the staff.
- Promotion to higher cadres.

- Moderate personal participation of the staff in community outreach programmes.
- Increased pass percentage in the subjects taught.
- Enhanced research competencies in guiding, publishing, attending and organizing seminars, workshops and conferences.
- Incremental academic growth of the slow learners and a group of students allocated for mentoring.
- Improved Functional ICT skills in the day-to-day activities of administration.

### **Major decisions based on the outcome of the review**

- To ensure the teachers' total involvement in community services.
- Yearly awards to active researchers.
- Applying for patents.
- Strict adherence to Institutional quality policy.
- High level adoption of innovative teaching practices.

### **6.3.3 What are the welfare schemes available for teaching and nonteaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

- Group Insurance.
- Family Planning Increment.
- Faculty Improvement Programme.
- Funeral Grant.
- Appointment on compassionate grounds.
- Pension schemes and family pension schemes.
- Teachers' Provident Fund.
- College co-operative stores.

30% of the staff availed themselves of such schemes in the last four years.

### **6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?**

- The Management provides welfare measures to the satisfaction of the faculty in aided and self-financing courses.
- Assures the stability of tenure of employment to the faculty.
- The Management takes all care and concern for the academic and professional growth of the teachers.
- Monetary benefits to the teachers with commitment and exemplary performance of their duties.
- Congenial work atmosphere and the best infrastructure facilities.

### 6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

In the highly gender-biased world, it is absolutely necessary to improve the conditions of the female population. It is conspicuously required in a higher education institution through various women-centred programmes that will contribute to an increase in gender equality. But planning and implementation alone do not offer the desired results. The programmes are to be analyzed and assessed from the point of view of their effect on the status of women and this is what the college has done in its gender audit.

The college organized the following programmes with a view to improve the status of female students on the campus aiming at their holistic development.

- An awareness programme organized in October 2008 to facilitate full realization of their strengths and weaknesses and build up on strengths to face problems boldly and gain problem-solving capacity on their own.
- With a view to specially concentrate on the employability, 6 women students were admitted to **Girls Industrial Training Institute**, Anantapur, for pursuing a three month **Certificate Course in Beautification** in April 2008.
- 20 women students were also imparted a one month training programme in **Tailoring** in May 2008.
- A gender sensitization session was arranged in October 2009 with Dr. Sailaja, Associate Professor, Department of Physics, as the resource person to enable the Women students become aware of the importance of gender equality.
- An awareness programme was organized with Dr. Ranga Swamy as resource person on the importance of **voluntary blood donation** and the **ill-effects of HIV/AIDS** in November 2009.
- Sri Balaramaiah, Secretary, Legal Cell, District Court, enlightened the Women students on the **legal provisions for the protection of women** from all forms of violence in October 2010.
- Involved more number of female students in NSS activities like Special Camps in November 2010 and January 2011 at Siddarampuram village to bring them face to face with the rural situation to serve the community and gain the experience of human nature in relation to their environment so as to transform them into responsible citizens in the pursuit of building a better India.
- In order to provide female students accessibility with women organizations for new exposure and experience of solving women-related problems, the college invited the women supporting wing of Rural Environmental Development Society (REDS), Anantapur in November 2011. The NGO interacted with the students on the **increasing violence against women**.
- An awareness programme was organized on **Campaign against Domestic Violence** in association with Anantha Paryavarana Parirakshana Samithi, Anantapur, in December 2011.
- The college hosted a two day national seminar on **Access, Opportunities and Challenges of Gender Equity Education** in August 2012, covering the evils of ragging, eve-teasing, dowry system and child marriages in association with Star Youth Association, Velgode of Kurnool District.

- A special medical camp was arranged exclusively for women students for the free treatment of women-related health and dental problems by Gynecologist Dr. Madhavi and dentist Dr. Mythili in September 2012.
- To heighten awareness of gender discrimination and equal rights and opportunities for women, the college carried out gender-sensitizing articles in its college magazines, 2011 and 2012.

As a result of planning, implementation and analysis of the effects of these women-centered programmes, the following salient findings have been observed.

- As the parents and students realized that besides good learning ambience, the college provides a sense of security, the number of the women students increased to 434 in 2012-13 from 378 in 2009-10, a 15% improvement.
- The strength of the women teaching staff appointed by the management has also gone up to 53% (excluding grant-in-aid staff).
- Out of 10 students of 2008-2011 batch who secured gold medals for their exemplary performance in the degree courses, 7 are women students.
- Women students dominated the list of gold medals for securing first ranks in the respective degree courses (2009-2012), out of 6 first positions, 4 were bagged by women.
- Women students have also increased their pass percentage from 77.81% in 2010-11 to 84.50% in 2011-12.
- More number of the women students are able to secure endowment scholarships.
- The impact of these programmes is so sharp that most of the former and present women students have come out of their 'cell of shyness and diffidence' in spite of certain hurdles, and are able to participate with a lot of commitment and enthusiasm in all the programmes meant for their development.
- The former and the present women students of this institution are working for NGOs like REDS serving the women in distress.
- Some of the students are also working for promotion of literacy among **Development of Women and Children in Rural Areas (DWACRA)** members.
- Many are able to live an independent life in dignity facing boldly the problems resulting from gender discrimination including all forms of violence.
- The programmes necessitated the establishment of Women Empowerment Cell on the campus in November 2010.

#### **6.3.6 Does the College conduct any gender sensitization programs for its staff?**

**Yes.** The institution conducted a one-day seminar under the aegis of the Legal Literacy Cell, District Court, Anantapur on various problems of women. Our women staff participated in the Rallies and other awareness programmes on women problems like 'domestic violence' organized by the NGOs including women support wing of Inner Wheel Club of the town.

The college hosted a two day national seminar on “Access, Opportunities and Challenges of Gender Equity Education” in association with Star Youth Association (SYA), Velugodu, Kurnool District for degree students and DWACRA women of the surrounding villages.

### **6.3.7 What is the impact of the University’s UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?**

- Skill development
- Enhanced knowledge base
- Improved teaching methods

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?**

- A coherent internal organizational structure.
- Departmental needs assessment and prioritization before preparing annual action plans and budgets.
- Finance committee, armed with financial concurrence approves plans and budgets after thorough discussions.
- Centralized purchase committee with transparent procedures for effective and efficient use of funds.
- Bulk purchases as per Government rate contract (DGS&D).
- Periodic internal quality checks and internal audit.
- Annual Government audits and external audits.

### **6.4.2 Does the College have a mechanism for internal and external audit? Give details.**

**Yes.** Examination of the books of the accounts of the Trust of the college is verified with documentary evidence and consequent certification of authenticity of such accounts constitute internal and external audit. In addition, the auditors from the office of CCE examine the receipt of funds, viz. Grant in aid, UGC grants and other sources and the expenditure of the college under different heads and finally certify their authenticity.

### **6.4.3 Provide audited income and expenditure statement of academic and administrative activities of the previous four years.**

The audited income and expenditure account of the ADNE Trust containing the details of academic and administrative activities of all the constituent institutions for previous four years is provided with a due highlight of the details of SSBN Degree & PG College.

#### **6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?**

Yes. Major audit objections and their compliance:

- **Unspent special fee fund - advised to transfer to corpus fund**

The unspent special fee fund was transferred to corpus fund as advised.

- **Non-refund of caution deposit**

A nominal amount of Rs.10/- from each student collected as caution deposit at the time of admission as per Govt. norms. After completion of their course a majority of the students didn't turn-up to take refund. Hence, over the years, the accumulated amount was used for college development activities as per the unanimous resolution passed by the Governing Council. The decision and the consequent action was also informed to the Commissioner of Collegiate Education.

- **Un-disbursed scholarship amount as on 31 March**

The scholarship amounts, very often, are released by the government in the last week of February or in the month of March. Disbursing the amount in a short span of 15 to 20 days to all students is not practically feasible. Hence the amount remains un-disbursed as on 31<sup>st</sup> March, which will be disbursed completely in the subsequent months.

- **Unspent amount in UGC account – grant**

UGC releases grants to the colleges in the last weeks of the financial years, which will be spent as per the UGC norms in the subsequent months to submit the utilization certificate within the stipulated time. Hence the amount remains unspent in UGC account as on 31<sup>st</sup> March.

- **Spending travel amount from UGC account instead of general fee**

Auditor recommended not to repeat the same in subsequent financial years, which is complied with.

#### **6.4.5 Narrate the efforts taken by the College for resource mobilization.**

As the ADNE Trust management, represented by the elite from all walks of life maintaining cordial relations with all political and non-political diversified groups of the town, is able to mobilize resources from local MP(MPLADS), NGO(RDT), Alumni (endowment scholarships), Industry (seed money) and other philanthropists.

Besides, the management applies for financial assistance from HRD, UGC, APSCHE, State Govt. aid for gran-in-aid staff salary and other funding agencies from time to time. Tuition fee of self-funding courses is another important resource apart from the

commercial incomes of the trust. The management also encourages the teacher-researcher to apply for funding for their major and minor research projects.

**6.4.6 Is there any provision for the College to maintain the ‘corpus fund’? If yes, give details.**

**Yes.**

Sl. No	Name of the Course	FDR Nos & Date	Amount (In Rupees)	Name of the Bank
1.	M.Sc., (Electronics)	356536 05-02-2002	5,00,000-00	The Vysya Bank, Anantapur
2.	M.Sc., (Mathematics)	B642370 05-03-2003	5,00,000-00	The Vysya Bank, Anantapur
3.	M.Sc., (Physics)	900343 23-12-2004	5,00,000-00	The Vysya Bank, Anantapur
4.	M.Sc., (Chemistry)	327499 23-12-2004	5,00,000-00	ING Vysya Bank Ltd., Anantapur
5.	UG Courses	118524, 118525, 359543, 0343417, 356759, 0343418	12,40,537-00	State Bank of India, Anantapur

**6.5 Internal Quality Assurance System**

**6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.**

**Yes.** The following are the components of the Academic Audit.

- Sufficiency of infrastructure, qualified staff and other requirements relating to that course.
- The verification of the qualifications of the teaching staff by competent authorities.
- Freedom to frame, modify and review the curriculum of each course. Checking the syllabus, methodologies used, project, workshops, etc.
- Examination committee monitors the examinations and results from the stage of setting the question paper to the stage of evaluation and publication of results.
- Assessment of self-appraisal by the Correspondent and the Principal at the end of the academic year.

The academic audit of the college is conducted in two ways as detailed below:

**External Academic Audit**

The University and the Department of Collegiate Education take up the academic audit once a year. The college, in addition to the above, keeping the student needs in view, takes initiative to invite subject and field experts to the college and interacts with them for an informal academic audit of their work. The discrepancies are noted, necessary corrective measures are suggested and such corrective measures are duly implemented.

### **Internal Academic Audit**

Besides, the internal audit team, consisting of the Principal and the academic advisory committee, verifies if there are any discrepancies and advises corrective measures to be complied with.

#### **6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?**

1. Extensive use of ICT in teaching - learning.
2. Adoption of supplementary methods like debates, elocutions, creative writing, group discussion, quiz and role play
3. Use of Innovative teaching methods like Project based evaluation method, Experimental evaluation Method, Evaluation through Seminars, Classroom participation and Group Discussions, Bilingual Method, Evaluation through audio-visual aids, Models, Specimens, Slides and Charts

#### **6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

**Yes.** The College Academic Advisory Committee consists of a member from Governing Body, senior faculty and student representatives from all streams.

The advisory committee meets twice a semester in coordination with BOS, discusses various issues pertaining to teaching methods and learning abilities and offers suggestions for the betterment of teaching and learning ambiance. The recommendations of the advisory committee will be conveyed to the Academic Council and then to the Governing Body for ratification and implementation.

#### **6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

The Internal Quality Assurance Cell of the institution plays a significant role with a vision - “empowerment through pursuit of excellence” through respective statutory bodies and duly constituted committees to suggest remedies, ways and means in assuring, sustaining and institutionalizing the quality in curriculum design, teaching-learning practices, evaluation procedures, research and outreach programmes, student support services and governance.

The IQAC conducts seminars and workshops on students’ ‘expectations, responsibilities and participation in quality measures’, ‘threats, difficulties and constraints in maintenance of quality education’, ‘quality in higher education’, ‘IQAC-Role in standardization of academic criteria’ etc., periodically to create quality cognizance among all stakeholders and to sustain the quality in the educational services offered by the institution.

**6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

Yes. Significant contributions by the external members:

- Introduction of mandatory student projects in all courses and offering 15 Choice Based Inter Disciplinary Electives.
- Inclusion of value-added components in curriculum.
- Letter grade to all students based on their participation in co-curricular and extension activities during the course

**6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

Yes The study of IQAC on the incremental academic growth of students from disadvantaged sections of society shows the details in the following table:

S. No.	Category of the Students	Academic performance at entry level	Incremental academic growth
1	Disadvantaged sections	40 to 50%	55 to 60%
2	Economically disadvantaged	45 to 60%	70 to 75%
3	Physically challenged	50 to 60%	60 to 70%
4	Slow Learners	50%	70%

**6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?**

The Institutional policy in line with vision and mission defines logical framework to conduct periodic review of administrative and academic departments.

The Principal and the Administrative Advisory Committee conduct the review of the administrative departments once a month to assess and improve the process related to the student support services and other administrative matters.

The Principal, the Academic Advisory Committee and the respective departmental Heads review the activities of academic departments and research centres twice a semester for effective academic administration.

*Any additional information regarding Governance, Leadership and Management, which the institution would like to include.*

### PRE Vs POST ACCREDITATION SCENARIO

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
• Knowledge Management	Nil	Greenhorn stage
• Transparency in governance	Yes	Improved degree of transparency
• Letter grade to participation in co-curricular and extension activities	Nil	Introduced
• Leadership Training programmes	01	04
• Career guidance programmes	03	08
• Weightage to assignments, seminars and study projects	No	Yes
• Establishment of IQAC	No	Yes (2007)
• Feed back mechanism	Existed	Strengthened
• Participatory management	Moderate	Extensive

## **CRITERIA VII: INNOVATION AND BEST PRACTICES**

### **7.1 Environment Consciousness**

#### **7.1.1 Does the College conduct a Green Audit of its campus?**

**Yes.** The College surveys the campus and identifies the spots suitable for plantation, laying and maintenance of lawns, scope to conserve the energy and usage of alternate non-renewable energy sources and rain water harvesting.

#### **7.1.2 What are the initiatives taken by the College to make the campus eco-friendly?**

Many flower giving and green saplings were planted beside the library and in the vacant place in front of the adjacent class rooms. The quadrangle covering the Principal's Chambers, the student evaluation division and other class rooms were decorated with indoor and other colorful plants to render them an ambiance of great greenery and good hues that can create good learning ambiance. Saplings were also planted behind the student evaluation division to make the area environment friendly. Flower bearing plants were also planted around the basketball court to give it an atmosphere of pleasurable experience both to the players and other sports lovers. Lawns were developed in the front and rear quadrangles of the college.

Anantapur district is drought prone area and water harvesting should be an important aspect. As part of water harvesting, the college has dug 'water harvesting pits' to enable rainwater to sink into the earth and improve ground water level.

### **7.2 Innovations**

#### **7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.**

- Introduction of fifteen Choice Based Inter Disciplinary Electives with a letter grade system
- Apart from class room teaching, class assignments, seminars and students study projects have improved the students' learning capacities and research culture with the enhanced abilities of enthusiastic expression and participation in the academic activities.
- The College has initiated the first step in making use of ICT as learning resource more extensively. The teachers of different departments developed their own e-content in respective subject areas and use it along with project based evaluation method, experimental assessment method, bilingual method, evaluation through AV aids and use of models, specimens and charts as the innovative teaching-learning practices.

- E-content development and multimedia adoption in content delivery through e-class rooms are to be made extensive in the globalized era. Towards this end, we have set up a model ICT Centre funded by UGC-CPE grant.
- E-classroom teaching has resulted in the easy understanding of the difficult aspects in both science and humanities.
- Automation of the College administrative activities and library management has brought a visible improvement in the quality of administrative aspects like maintaining the records and processing scholarship application forms in line with State Government e-governance initiative.
- Automation of Students Evaluation Division has enabled the college to offer quality student support services with transparency in terms of conduct of the examinations, evaluation and declaration of results as per the schedule
- The unique services provided through the best practices – Sai Benevolent Fund providing financial aid to the needy and Women Empowerment Cell for emancipation of women – transformed the students into people of broadmindedness and large-heartedness with a sense of social responsibility.
- The college conducted awareness camps consecutively for three years on the importance of voting and enrollment drives to increase youth percentage in photo electoral rolls, as Anantapur is identified with low youth enrollment.

### 7.3 Best Practices

#### 7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

##### BEST PRACTICE – I

##### 1. Title of the Practice

**This title should capture the keywords that describe the practice.**

“Sai Benevolent Fund” (SBF)

##### 2. Objectives of the Practice

**What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?**

The all-important aspect of education is denied to the rural youth as their parents are unable to provide them a sustained financial support because agriculture, being a gamble with rain in the district, is not a source of assured income. So, the noble objectives of the practice are

- To extend financial aid to the poor students, especially from the rural, to save them from discontinuation of their studies owing to poverty.
- To support financially all the deserving poor students without any discrimination of caste, creed or gender.
- To promote the quality of ‘equality’ among the students.

- To inculcate the values of ‘generosity’ and a ‘sense of social responsibility’ among the students.

The expected outcome is that the students should be able to complete their degrees with good marks. The beneficiaries should treat the needy with the principle of ‘lend a helping hand without discrimination.’

### 3. The Context

**What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?**

The noble objective had its teething as well as challenging troubles in its designing and implementation.

- Pooling up of the required resources was a tough task.
- After many awareness sittings with the all concerned, the college set up a ‘hundi’ on the campus for voluntary donations by students, staff and other visitors including charity organizations. The college struggled a lot in deciding the eligibility criterion for the aid.
- After comprehensive deliberations with students and teachers, it was decided to extend the benefit to all the poor students, who do not have the advantage of government or endowment scholarships, without any discrimination of caste, creed or gender.
- Verification of the financial backwardness of the aspirants was yet another challenge.
- The management has insisted on strict adherence to the rules framed. with regard to this fund in spite of the influential sections’ and caste associations’ undue interference in the implementation of the practice.

### 4. The Practice

**Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?**

Anantapur district has a long history of frequent droughts and famines, which have ravaged the rural life throwing the people into miserable conditions of abject poverty, illiteracy and ill-health.

In a situation of such dire poverty, whatever meagre resources available are used primarily to make both ends meet. So, sending their children to the town for higher education becomes almost impossibility for the poor parents in the rural areas, in the context of higher education demanding higher amounts of money. Though, sometimes, they do venture to admit their children to colleges in the town, they are unable to give sustained financial support throughout the course of study because agriculture, being a gamble with rain in the district, is not a source of assured income. So, it is evident that without financial support from an external source, the rural youth cannot hope to successfully complete their higher studies.

This illustrious institution, true to its legacy of pro-poor-student attitude since its inception, has taken a firm resolve to extend all possible financial support to the deserving students and help them to realize their fond dream of acquiring higher education. For this, the college instituted **Sai Benevolent Fund** collected as voluntary donations from students, staff and NGOs. At present, the left-over balance in the fund is Rs.2,92,000/- with a distribution of Rs.2,23,500/- to the needy students in the last four years.

The financial support is extended to all the deserving poor students without any discrimination of caste, creed or gender. The students whose parents do not have fixed reasonable source of income and do not enjoy any other financial assistance in the form of social welfare or endowment scholarships are eligible for the aid.

A duly constituted committee of three senior teachers of the college scrutinizes the applications received from the aspirants for the aid from the Sai Benevolent Fund. It finalizes the list of eligible students for the aid after due verification of the documentary evidence enclosed and strictly following the guidelines framed for the purpose, and submits the same to the Principal and the Correspondent for sanctioning the actual amount of the aid.

Endowment Scholarships and the individual teachers' help also provide the financial assistance. In addition to the Government scholarships, there are 23 Endowment Scholarships with a capital fund of Rs.9,13,625/- are available to students. The interest earned on each endowment is given as scholarship to such of the students as specified in the endowment like, meritorious and poor students, topper of marks among girls, students who stand first in particular subjects at the terminal examinations and so on. Apart from the monetary aspect, endowment scholarships are a proof of academic achievement and hence, the students are developing a keen spirit of competition to secure the endowment scholarships. An amount of Rs.1,62,700/- was distributed to the beneficiary students during the four year period.

The third source of the aid is our faculty members. Drawing inspiration from institution's legacy of pro-poor-student attitude and action, wherever possible, they are paying the tuition fee and examination fee of regular and industrious students who are unable to pay the fees owing to poverty. The members of the Governing Council and the Principal are also strengthening the cause by helping the poor students with their personal example. This particular assistance has touched an amount of Rs.1,00,000/- during the four year period.

Lack of will on the part of the majority of the elite and successive droughts and famines in the district are the known constraints.

## **5. Evidence of Success**

**Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.**

To cite one of the many success stories of the noble practice, the college fee and exam fee of Mr. Mustaq Ahammad, a B.Sc. (Microbiology) student of 2008-2011 batch,

was paid from the Sai Benevolent Fund amounting to Rs.28,500/- for two years. He was guided to face an interview for the post of a Medical Representative in Mankind Pharma Ltd. He completed B.Sc., successfully with more than 69% of marks. He was also financially assisted to undergo training at Mumbai for ten days in May 2011. Now he is an accomplished Medical Rep with better communication skills and a sense of social service. He is extending a helping hand in various ways including arranging blood of any group to the poor patients in Battalapalli and Dharmavaram areas of the district.

Ms. Saritha, who approached the college to work as an Attender, has risen to the position of a successful Lecturer in the Department of Electronics of the college completing M.Sc., and Ph.D. with the encouragement and financial support of Rs.45,000/- provided by the management and the staff of the college.

Another student Mr. Lokesh, now in II BBM, was helped financially in a big way by paying his tuition fee and meeting his medical expenses amounting to Rs.1,50,000/- when he met with road accident in May 2011. Now he is a better student with improved results working hard with commitment to his studies and society. This way the practice has a positive impact on the academic abilities and attitudinal changes among the beneficiaries.

The review results of the aid indicate that the humble assistance not only enables the poor students to acquire higher education but also moulds them to be responsible citizens to continue the legacy of helping the students of successive batches.

## **6. Problems Encountered and Resources Required**

**Please identify the problems encountered and resources required to implement the practice (in about 150 words).**

- In the beginning of designing the best practice, some groups of the students opposed the idea that the welfare scholarship holders too should be given the opportunity.
- They also expressed growing apprehension that the funds collected for the purpose would be misused.
- As a result, a majority of the students and staff did not come forward to contribute to the fund.
- Some even blamed that the idea of the Endowment Scholarships is not based on social justice.
- The college had to overcome many impediments to persuade the alumni and other philanthropists in favour of instituting the endowment scholarships in order to encourage more students to develop a keen spirit of competition to secure the endowment scholarships.

## 7. Notes

**Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).**

- Minimum income limit should be prescribed for the aid. It should be supported by valid documentary evidence from the appropriate authority.
- There should be a system in place to verify the claims of financial backwardness, if necessary.
- Apart from the financial backwardness, the academic strength including the regular class attendance of the students should also be taken into consideration to be the eligibility conditions for the aid.
- Deserving orphan students especially girls should be given preference even relaxing the eligibility conditions for the aid.

## BEST PRACTICE – II

### 1. Title of the Practice

**This title should capture the keywords that describe the practice.**

“Women Empowerment Cell” (WEC)

### 2. Objectives of the Practice

**What are the objectives / intended outcomes of this “best practice” and what are the underlying principles or concepts of this practice (in about 100 words)?**

Women constitute 52% of the total student strength of the college. The majority of them come from drought and famine-ravaged rural areas, where miserable conditions of utter poverty, illiteracy, ill-health and superstition take hold of their lives. Thus, they are doubly affected by the backwardness and discrimination. So the college has resolved to take up the cause of Women Empowerment for the women students with the objectives of -

- Mentoring women students on women specific issues with one women teacher as mentor for every 40 women mentees.
- Creating an environment through awareness programmes to enable the students to realize their full potential for learning and solving their problems independently
- Arranging special sessions with the police and social activists for enabling the female students to be aware of various types of ‘evil designs’ by professional criminals for the worst type of exploitation taking the advantage of their innocence and gullibility.
- Dealing amicably with the student victims of exploitation of all sorts maintaining utmost confidentiality of the private life to protect their dignity.

- Visiting the families by the coordinator and members of the unit to offer personal counselling to the exploited and persuade the parents for their children's participation in all the programmes meant for their better future.
- Involving social activists and Government officials to enlighten the students on human rights and fundamental freedom for equal rights and opportunities.
- Organizing debates and discussions on gender equality to enable the students to realize gender sensitization, thus leading to more equality and harmony in family and society.
- Conducting seminars and special sessions on ragging, eve-teasing and dowry system to expose the ill-effects of the evils.
- Development of vocational and technical skills among the women students by providing special training to enable them to become independent earners of their living.
- Extending financial assistance to the deserving poor women of disadvantaged sections to help acquire their degrees.
- Organizing the exclusive health camps for women students by women doctors for free treatment of women-related health problems and conducting awareness programmes on the importance of sanitation, personal hygiene and prevention of seasonal diseases.
- Tackling the social, developmental, health consequences and prevention of HIV/AIDS from a gender perspective.
- Employing legal authorities and NGOs to educate the women on the legal provisions for their protection and elimination of all forms of violence against women.
- Providing accessibility to women students with woman organizations for new exposure and experience of solving women related problems.

The intended outcome is that the women students should be aware of all forms of discrimination as well as rights and legal provisions for their protection and thus empower them to courageously face the problems for a life of amiability, order and dignity. The underlying concept is that **woman's empowerment empowers the whole world.**

### 3. The Context

**What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words)?**

- The women students, in the beginning were not enthusiastic to participate in the deliberations.
- Some parents and staff vehemently opined that the awareness / sensitization programmes defeated the very purpose of sending their wards to college.
- The coordinator and the members of the unit had to visit certain families and persuade the parents that all the programmes were meant for the betterment and empowerment of their dear daughters.
- As the gender sensitization programmes designed revealed several disparities and inequalities, that we might not have noticed earlier, people especially the other gender, argued discussing gender and gender roles would break up families and destroy society.

- Similarly, the various legal protective provisions for women were misunderstood as undue favour meant to belittle men.
- Even some teachers supporting the argument often opined that the change was difficult to be accepted as the ideas emanated from the seminars/workshops/debates on gender inequalities appeared new and startling.
- Some parents even found fault with the college that their children were detained in the college beyond working hours for unconnected and counter-productive programmes.

#### 4. The Practice

**Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?**

Discrimination against women even in the 21<sup>st</sup> century is a devastating reality. That is why 'gender inequality' has been a matter of serious concern across the globe and within the countries. India still has a long way to go before achieving gender equity and empowerment of women.

Anantapur is the most backward district in Andhra Pradesh owing to frequent droughts and famines. Especially, the rural areas are ravaged by the miserable conditions of abject poverty, illiteracy, ill-health and superstition. The college girls account for 52% of the total strength and most of them come from rural areas. The majority of these girls belong to the weaker sections including scheduled caste, scheduled tribes, other backward classes and minorities without proper access to education, health and other productive resources. Therefore, they remain largely as the marginalized poor and socially excluded.

Joining a degree college in the town and acquiring higher education involve money and higher things. So the poverty-stricken and tradition-bound parents reluctantly admit their daughters to colleges. Being the most vibrant and dynamic segment, the youth including girls, is our most valuable human resource. We cannot afford to neglect our female force to be the victims of discrimination, exploitation and segregation. So the college resolved to empower female students to face the vicissitudes of life boldly and successfully for a life of peace, harmony and dignity.

To achieve the aim, the college established a **Women Empowerment Cell (WEC)** with a senior woman teacher as its Coordinator and three other senior women teachers as its members. All female students are eligible to take membership of the Cell irrespective of their status. There are two hundred girl student members in the unit.

The Coordinator and the members of the unit meet twice a month and decide the conduct of awareness sessions during leisure hours sensitizing the girls to know why and how they are given subservient role in spite of their equal or even more abilities than their counterparts. They also draw an annual action plan for organizing various awareness programmes / seminars /workshops and interactive sessions. The Principal along with the Coordinator monitors the implementation of the plan. The Coordinator

and the members are responsible for the implementation of the programmes in consultation with several NGOs like Star Youth Association (SYA), Inner Wheel Club and Government officials from the Department of Social Welfare, Adult Education, Women and Child Welfare, Judiciary and Medical Departments.

The Women Empowerment Cell works for the protection of women's rights and actively empowers women creating conditions for gaining confidence in their abilities. It aims at curbing the social evils like eve-teasing, ragging and dowry system providing necessary counselling and guidance by professional women counsellors, social and rights activists, enlightened academics and professional psychologists and psychiatrists, so that the women students become aware of unjust gender discrimination, the human rights, the legal provisions available for their protection, importance of higher education for higher enlightenment, mental and physical fitness.

The College has organized several productive programmes so far extensively utilizing the services of the widespread network of NGOs which have a strong grass-root level presence with deep insight into women's concerns contributing to the inspiring initiatives for the empowerment of women. The latest among them is a two day National Seminar on "Access, Opportunities and Challenges of Gender Equity Education" organized on 18<sup>th</sup> and 19<sup>th</sup> August 2012 in association with Star Youth Association, Velugodu of Kurnool District. The Cell also arranged an exclusive medical camp for girls for the treatment of women-related health problems by Dr. Madhavi, a local renowned Gynecologist, on 13-09-2012.

Apathy among the parents and students about the aspects of empowerment and moderate support of the women teachers are the constraints being faced by the Cell.

## 5. Evidence of Success

**Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.**

One Ms. Jhansi, B.Com (EM) student of 2007-2010 batch, was an active member of the Cell. She was able to complete her degree with the financial help of the WEC to the tune of Rs.10,000/-. A successful NSS volunteer, she was inspired by various awareness and gender sensitization programmes of the Women Empowerment Cell. She sensitized the present women students on gender issues to relieve them of their negative feelings of inequality, diffidence and shyness in varied socio-cultural contexts and successfully led a team of 10 students at the prize winning State Level Folk and Cultural Competitions organized by the State Green Corps on 15.09.2012, to prepare ground for the World Biodiversity Convention, at Hyderabad. Ms. Jhansi is now actively involved in the empowerment activity of promoting literacy among the DWACRA members.

The Women Empowerment Cell has taken a responsible and sympathetic view of the girls who were misled to involve in love affairs throwing the families of the both sides into turmoil. A student of B.Com (TM) of 2008-2011 batch fell in love with a driver and married him without the consent of their parents. Unfortunately, her husband died in a road accident. Despite a mother of a female baby, she continues to live alone in

dignity on the strength of the college's affectionate care and assistance. Efforts are on to enable her to start a fresh life.

The review results point out that there should be corresponding changes in the social mindset for a positive impact of any programme/effort. If the efforts continue with commitment and sincerity, in spite of impediments, success will certainly follow.

## 6. Problems Encountered and Resources Required

**Please identify the problems encountered and resources required to implement the practice (in about 150 words).**

- The modest and diffident students were reluctant to cross their academic borders affecting the successful conduct of awareness programmes.
- The first awareness camp for female students on HIV/AIDS received a discouraging response as women's talking about AIDS is still a taboo.
- Ensuring the all-round support and participation of women teachers in the programmes is also a tough task
- Women students' impulsiveness in the matter of love in the adolescent age is a sensitive issue to be dealt with by women teachers.
- Organizing various programmes during working hours, sometimes, has led to sacrificing the classwork.
- Sometimes, the participants were put to disappointment as the resource persons did not turn up for the camp.
- Implementation of the annual plan and its monitoring has become a tough task in view of tight academic schedule in the autonomous ambience.

## 7. Notes

**Optional. Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words).**

- NGOs and other women welfare organizations should be invited to be the members of the Women Empowerment Cell for effective sensitization of the students on gender issues and for regular organization of various awareness programmes, as they have a strong grass root level presence with deep insight into women's concerns.
- A special concern for the poor girls with rural background will make the efforts more meaningful
- The best practice should be given the status of NCC and NSS in implementing and monitoring the activities.
- The services of former students who have good exposure and experience of gender issues should also be utilized for achieving the objectives and aims of the empowerment Cell.
- Parent meets should also be conducted for a positive change of their mindset to enable their daughters to participate in the programmes meant for their all round development.

- Our aim is not only to impart curriculum but to produce effective citizenry who are a good human resource in the task of nation-building.
- The college is planning to introduce Women’s Studies and Youth Development as subjects of study under inter disciplinary electives for comprehensive understanding with open mind that will facilitate empowerment.

*Any additional information regarding Innovations and Best Practices, which the College would like to include.*

**PRE Vs POST ACCREDITATION SCENARIO**

Activity	Pre Accreditation before 2007	Post Accreditation 2007-2012
• Sai Benevolent Fund (SBF)	Initiated	Formalized mechanism
• Sai Benevolent Fund Balance	Rs.21,000/-	Rs.2,92,000/-
• Amount disbursed from SBF to the needy	---	Rs.2,23,500/-
• No.of Endowments Scholarships	11	23
• Endowments Scholarships amount	Rs.2,33,975/-	Rs.9,13,625/-
• Interest earned on Endowments Distributed	Rs.10,043/-	Rs.1,62,700/-
• Women Empowerment Cell (WEC)	No	Active in operation
• Use of non-renewable energy sources	No	Yes
• Rain water harvesting	No	Yes
• Enrollment of youth in the photo electoral roll and creating awareness on importance of voting	No	3 awareness camps & enrollment drives to increase the youth percentage

## **EVALUATIVE REPORTS OF THE DEPARTMENTS**

## BIOTECHNOLOGY

The Department of Biotechnology was established in the academic year 2003-2004 with B.Sc Biotechnology, Microbiology and Chemistry as a self-funding course. There are two faculty members: Dr. M. Padmavathi and Mr. C. Sivaprasad. Dr. M. Padmavathi is well-qualified and experienced. She has participated in various seminars/workshops and presented papers. She has also published an article in a national journal. Mr. C. Sivaprasad is a recently appointed teacher with one year experience. As of now, the faculty is adequate and competent to impart and train the students in the core areas of Biotechnology and also enrich the students with a better practical experience handling the latest equipment. The department is also provided with an ICT classroom. Besides a UG course, BSc, with Biotechnology, Microbiology and Chemistry combination, the department is also offering a PG course, MSc, in Biotechnology.

As good learning is a reflection of better skills of students and effective tutoring in both theory and practical training, the Department has an excellent laboratory with the most modern equipment like laminar air flow, refrigerator centrifuge, electrophoresis chambers, U.V. Spectrophotometer, air conditioned culture room which provide a conducive atmosphere for acquiring better practical knowledge, CDs on molecular biology with animation are displayed in the department for the better understanding of the processes of molecular biology.

The total UG student strength of the department is 60 and PG is 30. Around 60% of the students are women, which indicates, the safe atmosphere of the college. Most of the students belong to urban areas and backward sections of the society. The department also involves itself in taking classes for I year BSc MPC, MPS and BBM students to teach **Applications in Biotechnology** under CBIDE. The department frames its own syllabi in the **Board of Studies (BOS)** under the guidance of outside experts and get the same ratified in the **Academic Council** as the institution is autonomous. For the PG course, the syllabi, the model papers approved by the S.K. University are followed as the course doesn't come under autonomy.

The department toils not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been above 90% on an average. The progression of the students has also been excellent. The percentage of students who reach the universities is around 80% and those who reach the level of M.Phil., or Ph.D., are around 10%. This is all because of the semester system and also the hard work of the teachers which enable the students to be thorough with the prescribed syllabi and prepare well for internal tests and semester-end examinations. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. Apart from the regular classroom teaching, use of computers and OHPs, encouraging the students to participate in group discussions, panel discussions and seminars along with teachers, are the healthy practices of the department. The students are advised to prepare charts or models. Simple science projects are assigned to students to improve their scientific temper. The faculty regularly conducts

seminars, guest lectures, group discussions, quiz programmes etc. New teaching methods are an integral part of the department. Remedial classes are conducted for the slow-learners identified by the faculty.

The students express satisfaction with regard to the syllabi, methods of teaching and evaluation. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. Some students of the department are actively engaged in NSS and NCC programmes.

The alumni of the department have been serving in various state, central government and private organizations in such cadres as administrators, lecturers, teachers, scientists and so on. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. They express happiness about the performance of the department. The Management expresses its happiness about its progress when it visits the department.

The department uses innovative methods of teaching with creativity. The department can boast of its well-equipped laboratories, good student progression and the supporting management. There are opportunities for the department to expose students to hand on experiments, guest lectures and interaction with eminent teachers from various colleges. The department has plans to strengthen the departments by getting further equipment for the PG course. It is also planning to conduct certificate courses in molecular and Genetic Engineering Techniques.



\*\*\*\*\*

## BOTANY

The Department of Botany was established in 1981. There are four faculty members with an average experience of fifteen years. They have been discharging their responsibilities to the best of their abilities producing well-qualified students to be the members of excellent human resources of the nation. The department offers a UG course of

B.Sc. – Botany, Zoology and Chemistry (EM&TM)

Smt. T. Umadevi, Associate Professor, and Head of the Department, is pursuing Ph.D. on “Genetics and Plant Breeding”. She has served the institution in the capacity of a member of various committees like sports committee, library committee etc. She is also a member on the Board of Studies of UG examinations, S.K. University, Anantapur.

Dr. C. Prabhakara Raju, Associate Professor, has 27 years of teaching experience and published 17 research articles in national and international journals. He attended several national seminars/ workshops /conferences and presented papers. He authored a Question Bank for IIIrd B.Sc. students. He has also contributed a chapter on ‘Asteraceae’ to the volume two of “**Flora of Andhra Pradesh**”. His name is enlisted as South Indian Taxonomist in the Directory of Indian Taxonomists. A former NSS programme officer, Dr. Raju has been extensively participating in community service involving various service organizations like the Lions Club, the Indian Red Cross Society, Janavignana Vedika, Nehru Yuva Kendra and District Science Center, Anantapur, apart from his academic activism. In recognition of his commendable performance, the Government of Andhra Pradesh honoured him with **State Meritorious Teacher Award** in 2004.

Lt. B.V. Ramana Naidu, Associate Professor, who has been pursuing Ph.D. on “Floristic Studies of Asteraceae in Eastern Ghats”, published six research articles in reputed national journals. Besides, he is an active NCC Officer of the Battalion 41 A & B Platoon with 134 women cadets. He is actively involved in community service in association with various service units like the Indian Red Cross Society, Lions Club and Vikalanga Punarvas Yojana of Bharath Vikas Parishath.

To enrich their knowledge and teaching, the faculty of the Department has been participating in seminars, symposia, workshops and interacting with University Department on various issues of Academic interest. They are the resource persons in subject related matters to various schools and Junior colleges in and around the town. They are question paper setters for various degree colleges and universities. Under the Autonomous system, they are effectively catering to the needs of 240 students in the department. They have been guiding and assisting students in the preparation of models in the subject, to carry out projects successfully and to submit project report, so as to develop research skills among students.

Autonomy and NAAC’s grading enabled the department to frame the syllabus considering the needs of the students in present day circumstances of globalization,

advancements in technology and syllabi of various competitive examinations. An additional paper “Plants in Human Welfare” under Choice Based Inter Disciplinary Electives has been introduced for B.Com., students from this academic year.

There are two well-furnished, well-equipped and spacious laboratories for conducting practicals in Botany. They have modern scientific equipment like Colorimeters, pH meters, High Speed Centrifuge, Thermostatic Ovens, Incubators, Thermostatic water bath, 70 microscopes, one OHP apart from adequate glassware and chemicals. A Botanical museum with a good number of plant specimens show-cased in glass cabinets and a herbarium prepared by the teachers from the plant collections are useful learning resources for the students.

The Department is employing both traditional and modern teaching methods supported by modern technology. The faculty uses teaching aids like bio -visual charts covering the entire range of curricula, Micro slides, herbarium, museum specimens and models and LCD projector to enhance the impact of teaching and learning activity.

To enrich the students’ knowledge, botanical tours are made part of the curriculum. The tours comprise one field trip to cover the local environs and the other to a place of floristic significance outside the district. Class seminars on specific topics, group discussions and quiz programmes on the subjects prescribed form part of regular academic activity. The department organized a two day national seminar on “Emerging Materials and Technologies” in October 2010 to involve the teachers and the students in the acquisition of latest knowledge in the field and gain research bent of mind.

The department is planning for

1. Establishment of a Research Centre
2. Introduction of self-employment oriented add-on certificate courses
3. Preparation of proposals for research projects from the UGC
4. Preparing proposals for starting M.Sc. Botany.



## CHEMISTRY

The Department of Chemistry was started in 1981 with 5 regular faculty members. It is now one of the largest departments in the college with 3 regular Associate Professors and 7 Assistant Professors offering the following UG combinations.

- B.Sc., 1. Mathematics, Physics, Chemistry (EM &TM)  
2. Botany, Zoology, Chemistry (EM & TM)  
3. Bio-technology, Microbiology, Chemistry (EM)  
M.Sc., Organic Chemistry

As the importance of Chemistry was growing significantly as a subject of enormous value in the wake of tremendous development especially of the industry of medicine and the emergence of many pharmacy colleges, the department started M.Sc. Organic Chemistry in 2005.

Sri N.V. Chalapathi, Associate Professor and Head of the department with more than 30 years of successful teaching experience, has really contributed to the all-round development of the department. A specialist in teaching Inorganic Chemistry, he is instrumental in organizing a number of seminars and workshops on various important topics of Organic, Inorganic, General and Radio Chemistry, in the college.

Dr. G. Ramanjaneyulu, Associate Professor has published 3 research papers in the national and international journals. Sri B. Srinivasa Rao, another Associate Professor, is a specialist teacher in Analytical Chemistry with 28 years of teaching experience. They have attended and presented papers at national level seminars / workshops/ conferences.

As the College was granted Autonomous status in 2005, the curriculum is decided by the Board of studies set up by the Academic Council of the college. The faculty of the department being members of the Board of Studies has made their contribution in bringing out the necessary changes in the curriculum to suite the changing needs of society in general and of job market in particular.

To promote research among the students, the department has established a university-recognized Research Centre. Students' learning is also reinforced by the internet connectivity and 7 well-equipped laboratories – 3 for the UG and 4 for the PG courses. These labs have the required modern equipment - Colorimetre, Spectrophotometers, digital balances, Conductometer, Potentio meters and a good number of ovens and suction pumps. There are four non-teaching academic and technical support staff taking care of the students and the labs.

The Department has been adopting modern teaching methods for the past five years. To make teaching more interesting and qualitative, the modern technology including the internet, Over Head Projector is used. Regular involvement of the students in the preparation of charts on important chapters of the subject, class seminars, group discussions and subject quizzes, has enhanced their interest and inquisitiveness to

learn more apart from strengthening their capacity of expression and voluntary participation.

Introduction of an additional paper ‘Applications of Chemistry’ under Choice Based Inter Disciplinary Electives for Management and Statistics students and subject assignments for 25 marks (Internal Assessment) has also enriched the students’ subject knowledge. Student enrichment programmes like guest lectures by eminent professors from the University and visits to industrial units and research laboratories have endowed them with a broader subject outlook. They have enthusiastically utilized the learning resource of the departmental library which has more than 150 volumes on Organic, Inorganic, General and Radio Chemistry.

The department has been constantly monitoring the students’ academic and social behaviour. The students of every class are divided into groups and the teaching members undertake counselling for each group to clear doubts encourage and instill confidence in the students. Their performance is continuously assessed through weekly/monthly tests, internal test and remedial classes are arranged for slow learners. Besides, the faculty members are taking keen interest in personal needs and aspirations of the students. They are financially assisted to enable them to pay college and examination fees. They are also encouraged to participate in co-curricular and extra-curricular activities regularly including community service. Thus all conducive conditions are created for the students to study with devotion and determination to achieve their aims and make their dreams a reality for a bright future.

To enable the students to keep abreast of the latest trends in the field and to enhance their exposure to varied academic situations, the department conducted a seminar on “Modern Trends in Organic Chemistry” in 2010, a workshop on “Radio Chemistry and Application of Radioisotopes” in 2011 and a six day National Workshop on “Radio Chemistry and Application of Radioisotopes” from 05-10-2012 to 10-10-2012 in collaboration with Baba Autonomic Research Centre (BARC), Mumbai.

As a result of the faculty members’ dedication and sustained efforts, the students were able to work hard and secured good marks. Many of them, after completing post-graduation and acquiring necessary technical and professional qualifications, are serving with responsible positions in Government and private concerns including the departments of Central Excise, Higher Education and even as software professionals in the USA.

The department has resolved to

- strengthen the existing Research Centre
- organize a national seminar
- strengthen the Alumni Association
- enter into MoUs with industry and reputed research institutions

\*\*\*\*\*

## COMMERCE AND BUSINESS MANAGEMENT

The Department of Commerce was started in the year 1981. During all these 31 significant years of functioning, the Department has grown steadily in tune with the growth-pattern of the industry and job market. It is one of the largest departments of the college with eleven faculty members – 4 Associate Professors, 6 Assistant Professors and 1 guest faculty – facilitating excellent learning ambiance for a huge students strength of 760 including 380 (50%) women. At present the department is offering the following general and self-financing UG courses

- B.Com. (TM&EM)
- B.Com (Computer Applications) (EM)
- BBM (Bachelor of Business Management) (EM)
- Accounting Executive Course (Tally 9.0)–4 Months Add-on certificate course

The Department has been maintaining a pass percentage of 75 with its committed and relentless efforts.

As a result of thorough interactions with industry, job market and alumni, it was found that business management graduates had immediate job opportunities. Keeping this in view, the college started BBM during the academic year 2009-10 with Dr.N.Ravi Sankar as the course in-charge. The following are the salient features of the course.

- Contemporary Market-Relevant Subjects.
- Papers of study with Global exposure.
- Project-work in a business concern is part of the course.
- Industrial tours.
- Excellent academic ambience reinforced by guest lectures, interactive sessions with eminent professors and CEOs from University's and Industries.
- 94% achievement of pass percentage of the first batch of students.
- Placements through campus selections.

After careful assessment of market trends and the potentiality for employment, the college has started M.Com., (General) from the current academic year.

To give more employment orientation to the courses of General B.Com and B.Com., (Computer Applications), the college started a Government-sponsored Accounting Executive course (Tally 9.0) of 4 months duration in 2009. The course is offered in the afternoon session with more practical orientation in the JKC without affecting the regular classwork. It is a matter of pride to mention that more than 90% of B.Com graduates trained in the course secured jobs in public as well as private concerns including software industry.

The department frames its own syllabi in the Board of Studies (BOS) under the guidance of outside experts including one nominee from business and industry and

gets the same ratified in the Academic Council, as the institution is autonomous. For the PG course, the department is guided by the S.K. University, Anantapur, for syllabus, question paper pattern, examinations and results. The curriculum is designed keeping in view the market trends and the changing needs of society.

**Dr. K. Nirmalamma**, Principal and Associate Professor, is the senior most faculty of the department with 31 years of distinguished teaching experience. An erudite scholar and eminent teacher, she has produced 3 M.Phils., and published 8 research papers in national reputed journals. She has participated and presented papers at national seminars /workshops / conferences. Exhibiting utmost concern for equal rights for women, she is instrumental in organizing a number of gender sensitizing programmes for the benefit of women staff and students. She has organized a number of health awareness programmes exclusively for women students. She has also participated in rallies and processions to mark national and international days – World Aids Day, Literacy Day, Human Rights Day, Blood Donors Day etc. She has been associating with several women and service organizations like the Lions Club, Rotary Club, IRCS, Manavatha Blood Donors Association and REDS, Anantapur. In recognition of her academic performance and self-less service the Government of Andhra Pradesh honoured her with **State Meritorious Award** in 2005.

**Sri P Ravi Sankar**, Associate Professor and Head, has 28 years of teaching experience. A specialist teacher in Banking and Advanced accountancy, he has authored two textbooks on “Quantitative Technics”, meant for B.Com students, published by Himalaya Publishers, Hyderabad. A former NSS programme Officer, he organized a Special Camp at Bommeparthy involving students and villagers in community service. He also organized several awareness programmes on HIV/AIDS, voluntary blood donation, the disadvantages of the social evils like dowry system, illiteracy etc.

**Dr. N. Ravi Sankar**, Associate professor, has 28 years of teaching experience. A bright researcher to the core, he has published 15 research articles in national journals of repute, attended and presented papers at national seminars/workshops/conferences. He is also guiding research scholars of various universities in the nation for the award of M.Phil./Ph.Ds. He has produced four M.Phils., so far. He has authored a book on “Business Correspondence and Report Writing”, for III B.com Telugu Medium students, brought out by Himalaya Publishers, Hyderabad.

**Dr. J. Polappa**, Associate Professor, has 21 years of teaching experience with specialization in teaching ‘Personal Management and Industrial Relations’. He has produced one M.Phil., and participated in national seminars/workshops/conferences. He has authored a book on “Industrial Relation” published by Indian Publications, New Delhi in 2002. As a former NSS programme officer, he involved students in community service in villages like Bommeparthi. He has also organized awareness programmes on various social issues like dowry system.

The other Management Appointees and the guest faculty are competent enough to make the teaching and learning process an effective one.

The department is committed to provide the students with the required infrastructure and learning resources for quality education. A well-furnished computer laboratory, ten classrooms and departmental library with 250 books. Besides classroom teaching, the teachers employ innovative teaching methods like discussion and interviews. The teachers use the teaching aids including OHP, business news and charts for the benefit of the students. The department has introduced additional papers “Elements of Financial Accounting for I year BSc, (MSCS) students and “Introduction to Management” for I year B.Sc. (MECS) under CBIDE to enable the science students to broaden their knowledge base.

It is a continuous process of the department to work hard not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been above 75% on an average. The progression of the students has also been excellent. The percentage of students who reach the universities is around 75% and those who reach the level of M.Phil., or Ph.D., is around 10%. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The faculty regularly conducts seminars, guest lectures, group discussions, quiz programmes etc. The teachers identify slow learners and take remedial classes for their improvement under UGC-sponsored scheme. It involves the students in basic research projects, takes them to factories and business establishments as part of beyond syllabus scholarly activities.

The students of the department are active participants in community service activities. Many of them are important members of the college NSS, NCC and Red Ribbon Club. The teachers encourage them to organize and participate in a number of awareness programmes on HIV/AIDS, voluntary blood donation, the ill-effects of child marriages, dowry system and illiteracy. K.Jhansi, a B.Com., student of 2008-2011 batch honoured with **State Best NSS Volunteer** by NSS Cell of AP State Government in September 2012.

The alumni of the department (some names are given in the report) have been serving in various state, central government and private organizations in such cadres as chartered accountants, law practitioners, administrators, entrepreneurs, managers, lecturers etc. They often visit the department and interact with the present students. Their valuable suggestions are considered for implementation for enhancing the academic and employability skills.

The department is resolved to start M.Com., (Professional), MBA and employment-oriented certificate courses, to establish a research center and strengthen the alumni base.

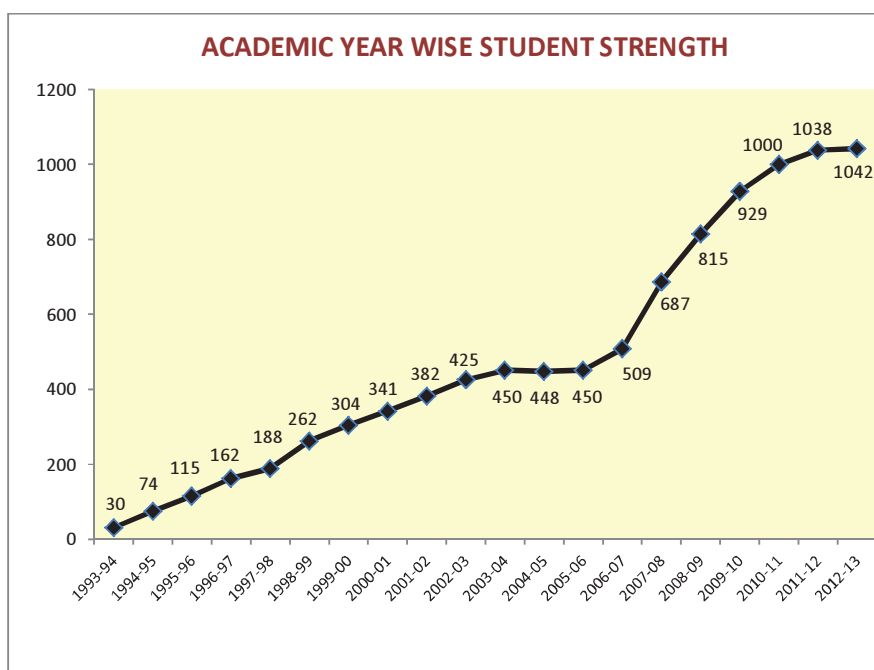


## COMPUTER SCIENCE

The Department of Computer Science, established in the academic year 1993-1994 as a first self-funding course by a visionary and an ardent promoter of academic culture and discipline Sri. P.L.N. Reddy, with 600 sq. ft. Laboratory and 8 systems with an intake of 30 learners, has now developed into a gigantic edifice of a full-blown department equipped with the state-of-art the lab facilities imparting value based quality technical education to more than 1000 learners. Having 6 Assistant Professors the department offers 3 UG courses with the following combinations.

B.Sc., Mathematics, Physics, Computer Science (MPCs) Mathematics, Statistics, Computer Science (MSCs), Mathematics, Electronics, Computer Science (MECs) -, B.Com., Computer Applications and BBM.

The admission of students to these courses has been purely on the basis of merit in the qualifying examination. The students come both from the rural and urban areas. The ratio of boys and girls is 45:55. The percentage of pass outs has been continuously high with 90% from the inception of the department. The following graph has the details of the academic year- wise student strength.



Sri. M.Murali Mohan Reddy, Head of the Department with 19 years of teaching experience, is responsible for the powerful progress of the Department. Exhibiting enormous commitment and sincerity, he has trained the students on the core areas of Computer Science in a learner-centered approach. He has published 3 research papers in national journals and presented papers at national seminars/workshops.

Smt. K.Devakimani and Sri. S.Gururaja Rao, Assistant professors, who have 12 years of teaching experience, are specialized in teaching Data Structures and Data Mining. They have participated in national seminars and workshops. Committed to their profession, they have immensely contributed to the commendable pass percentage (90%) of the students.

With a view to impart computer knowledge to the staff, the department organized a Certificate Course in Computing for both teaching and non-teaching members of the College for 16 days (32 hours). As a result of this practical intensive sessions, the staff are now able to use the computing skills in the departments and college office which is automated. This is a significant achievement of the department. Involving learners in peer awareness programs on functional ICT is yet another unique effort of the department towards the participative learning.

As an affiliated college up to the academic year 2004-05, the department adopted the curriculum as per instructions of Sri Krishnadevaraya University, Anantapur. After attaining Autonomy in 2005-2006, the department independently framed the curriculum evolving its own system of teaching and evaluation. The syllabi was framed by considering Andhra Pradesh State Common Core syllabus and the changing needs of society to benefit the student community. A right decision taken in this direction is introduction of an additional paper for biology students 'Functional ICT' (Information and Communication Technology) under CBIDE rightly realizing the importance of communication skills in the highly competitive and computerized world.

The Department has been assisting the students in various ways to create conditions for effective learning. To enable the students to make use of an immediate learning resource, in addition to the Central library, the department has been maintaining a library with more than 350 books and 7 journals. The department is known for its abilities in providing e-learning resources (NPTEL videos, MIT course, VCT (Virtual Training Center) Tutors etc.) to the students during their lab hours to facilitate easy and effective understanding of the core concepts and computing topics. Besides the regular lecture methods, the department is using ITC-enabled teaching methods.

The Department has also been assisting the students through the following excellent infrastructure

- IBM X Server X3200M3 (Intel Xeon E3430 9Quad Core) 2.4Ghz Processor 4GB Memory, 250GB SATA HDD
- Intel Xeon Processor 3060/Intel Server Board 3000AH/4 GB DDR2 RAM/2\*160 GB SATA HDD/ Samsung 19" TFT Monitor
- Intel 2nd generation Dual Core G620 Processor-Intel DH61SA Motherboard-2GB DDR3 RAM-Seagate 500GB SATA HDD-Samsung 18.5" LED Monitor.
- Intel Dual Core 2.6GHz Processor-DG 41RQI MBD-1 GB DDR2 RAM-500 GB SATA HDD-Samsung 18.5" TFT Monitor.

- Intel Dual Core 3.0GHz Processor E5700-Intel DG41 WV Motherboard OEM-2GB DDR3 RAM-Seagate 500GB SATA HDD-Samsung 18.5” TFT Monitor
- BenQ DLP Projector, Model: MX 511 XGA/2700 ANSI/3000:1 Contrast Ratio /HDMI/6000 Hours Lamp Life
- ITC Portable PA System Model T-6020 with Built in Amplifier, Speaker & Cordless Microphone, Sony Digital Camera DSC-HX100V, 16.2 Mega Pixel H Series 30x Optical Zoom with HD Video Recording Capability
- 2.2 KVA APC UPS Lin interactive (12) & UPS 500 VA (45) , D-Link 10/100 Switches (9)
- HP ScanJet 3110 , HP ScanJet 2400
- HP LaserJet 5200N , HP Color LaserJet 3600 Printer and HP LaserJet 1200,HP MFP 1005, BENQ DLP PROJECTORS – (3) and Overhead Projectors(3)

## CONNECTIVITY

BSNL-NME ICT Broadband over OFC (10 Mbps)

## SOFTWARE

- WinStrtr 7 SNGL OLP NL Acdmc Legalization GetGenui
- WinPro 7 SNGL Upgrd OLP NL Acdmc
- SQLSvrStd 2008R2 SNGL OLP NL Acdmc, SQLCAL 2008R2 SNGL OLP NL
- WinSvrStd 2008R2 SNGL OLP NL Acdmc, WinSvrCAL 2008 SNGL OLP NL
- VSProwMSDN ALNG LicSAPk OLP NL Acdmc Qlfd
- OfficeProPlus 2010 SNGL OLP NL Acdmc
- Windows 2003 Server Ent. OLP NL Academic Edition (AE)
- Sun Solaris 8.0 Server Software ,Red Hat Linux, SUSE Linux 7.0
- E-learning Content Developing S/W - Adobe e-Learning Suite 2.5 Windows Platform (Education License)
- Open Office Suite, Oracle, C, C++ , Java SDK's, HTML authoring tools

The teachers of the department have special focus on involving and improving presentation and articulation skills of students through seminars, group discussions and quiz competitions etc. They also guide the students to undertake real-time projects to develop their research abilities and skills of interpretation. The teachers of the department frequently take up remedial coaching classes and counseling sessions to the students in respective areas of the subject to improve their performance in the semester end examination. The department has also been coordinating Indira Gandhi National Open University Study Center administrative and student counselling activities since 1997.

The department has encouraged students to participate in curricular and extra-curricular activities including sports, NSS and NCC activities. In tune with the slogan “personality development through community service,” the teachers actively participated and involved the students in participating and organizing various awareness programmes on HIV/AIDS, voluntary blood donation, literacy and gender sensitizing programmes including ragging, eve-teasing and dowry system.

It is a matter of pride to mention that a number of students confidently competed with the technical peers and got through selections (campus & off-campus) for Mahendra Satyam Computer Services Ltd., Wipro Academy of Software Excellence (WASE), Infosys, IBM, TCS, CTS, InfoTech Enterprise Ltd., Jeeva InfoTech Ltd., Tech. Mahendra and Aditya Software Solutions etc. Some of them are also serving in software industry in USA, Australia and Canada.

Further, the Department is also involved actively for all these years in planning, coordinating and supervising all activities related to the design, development and implementation of mission-critical college information systems for student result processing, college library, college website and other administrative activities. The department is also responsible for maintaining, supporting, and upgrading existing systems and soft-ware applications.

The department has resolved to start PG Courses with Industry-Academia Collaboration, establish a research center, introduce add-on certificate courses with employment orientation, deploy a large-scale campus-wide Wi-Fi (WALAN) for mobile computing devices and strengthen alumni association of the department.



\*\*\*\*\*

## ECONOMICS

The department of Economics was started in September 1981. The Department is offering BA with History, Economics and Political Science combination. At present there are two teaching faculty in the department-one Associate Professor and one Asst.Professor. The total student strength of the department is 220. More than 50% of the students are women.

**Dr. R. Karunakar Reddy**, an Associate Professor, and Head with 31 years of long and distinguished teaching experience, is an expert teacher in Macro Economics. He has participated in orientation and refresher courses conducted by various Universities and Institutions from time to time to improve his academic excellence and teaching abilities. An active and committed former NSS Programme Officer organized many Special Camps in adopted villages including Bommeparthi. He is involved in number of service activities conducting awareness programmes on illiteracy, superstitions and seasonal diseases.

The department is provided with a well furnished separate staff room, a departmental library with 150 books, the required material for teaching and well furnished three classrooms. The department is equipped with a computer system and a printer. Most of the students belong to rural areas and backward sections of the society. The department also engages classes for BSc students under CBIDE to teach **Principles of Economics** to enable them to face the competitive exams confidently. It frames its own syllabi in the **Board of Studies** (BOS) under the guidance of outside experts and gets the same ratified in the **Academic Council** as the institution is autonomous. The curriculum is designed based on the needs of contemporary society.

The department works not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been around 85 on an average. The progression of the students has also been good. The percentage of students who reach the universities is around 60 and those who reach the level of M.Phil., or Ph.D., are around 3. This is all because of the semester system and the hard work of the teachers. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. Four students of the department get financial assistance from Sai Benevolent Fund of the college.

The faculty regularly conducts seminars, guest lectures, group discussions, quiz programmes etc., as part of imparting quality education. The students express satisfaction with regard to the syllabus, methods of teaching and evaluation. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. With his experience as an NSS Programme officer, Dr.R.Karunakar Reddy is able to help and encourage his students to participate in various social activities.

The alumni of the department have been serving in various state and central government organizations in such cadres as administrators, lecturers, advocates, registrars, police officers, revenue officers and so on. They often come to the College and meet the present students and share their views with them with regard to the subject and institution. The employers are also happy about the performance of the department. The Correspondent of the college Sri P.L.N. Reddy constantly encourages the staff and the students and monitors the progress of the department. He is happy about the progress of the department.

It is a matter of pride that the department has good-facilities with experienced and qualified faculty. It uses innovative methods of teaching with new ideas. There are opportunities for the department to develop by conducting seminars, taking the students on educational tours etc. As most of the students belong to rural and socially backward sections of the society, it is a challenge for the teacher to teach by going down to their level and make them understand the subject. On the whole, the department has its own reputation in the University area.



\*\*\*\*\*

## ELECTRONICS

The Department of Electronics had a humble beginning with a U.G. course with Mathematics, Physics and Electronics (MPE) combination in the year 1995 with an intake of 30 students. Later, in 2003 another group with Mathematics, Electronics and Computer Science (MECS) was started. The Department flourished gradually and became a Postgraduate Department in the year 2002 with a Research Centre established in 2006.

The Department has well-qualified staff members with Doctoral degrees in Electronics. As it is run purely under self-funding system, it has three Assistant Professors. Dr. C.Saritha and Dr V.Sukanya are well-experienced and qualified. They have published papers in national and international journals. Dr. C. Saritha has to her credit 5 national and 2 international publications. Dr. V. Sukanya also has the same number of publications to her credit. Ms. K. Nalanakshi is a young teacher with lot of zeal for learning and teaching.

The Department caters to the academic needs of about 185 students of I, II & III Year UG Courses. The students come both from rural and urban areas. The ratio of boys and girls is 40:60. The language skills and basic subject knowledge vary according to the background of a student. The department is provided with a well-furnished staff room, three classrooms, five laboratories and one research center. The Department is equipped with various learning resources like a departmental library with 200 books and 10 journals which can be borrowed by the students during the lab or leisure hour for reference. It is also provided with computers and internet facility. The college is trying to provide more library books and journals to improve the facilities. In addition to this, it is also using the other teaching tools like Over-Head Projector, LCD projectors and charts etc., in order to make the teaching more interesting to the students.

The department also handles classes for I year B.Com (Comp) to teach **Electronics in Daily Life** under CBIDE. The department frames its own syllabi in the **Board of Studies (BOS)** under the guidance of outside experts and gets the same ratified in the **Academic Council**. The S.K. University guidelines are followed for the M.Sc. Course.

The department works hard not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been above 90 on an average. The progression of the students has also been excellent. The percentage of students who reach the universities is around 75 and those who reach the level of M.Phil., or Ph.D., is around 10. This is all because of the semester system and also the hard work of the teachers which enable the students to be thorough with the prescribed syllabus and prepare well for internal tests and semester-end examinations. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The students are advised to prepare charts

or models. Simple science projects are assigned to students to improve their scientific temper. The faculty regularly conducts seminars, guest lectures, group discussions and quiz programmes for effective learning. New teaching methods are an integral part of the department. Remedial classes are conducted for the slow-learners identified by the faculty. It involves the students in basic research projects, takes them to research institutes as “beyond syllabus scholarly activities”. The students express satisfaction with regard to the syllabus, methods of teaching and evaluation.

Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. Some students of the department are actively engaged in NSS and NCC programmes.

The alumni of the department have been serving in various state, Central Government and private organizations (both in India and abroad) in such cadres as administrators, lecturers, teachers, scientists and software professionals. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. They express happiness about the performance of the department.

It can be said briefly that the department is one of the best departments in the college. It uses innovative methods of teaching with new ideas. The department can boast of its well-equipped laboratories, good student progression and the supporting management. There are opportunities for the department to expose students to hand on experiments, guest lectures and interaction with eminent teachers from various colleges. The department has some drawbacks such as not having permanent staff, the students not opting for the course as most of the students prefer to join professional courses after their intermediate. The department has plans to improve the research center, conduct a national seminar on Applications of Digital Signal Processing, collaborate with industries and to start inter-disciplinary certificate courses. It has already collaboration with JNTU Engineering college, Anantapur and S.K. University.



\*\*\*\*\*

## ENGLISH

The Department of English is one of the largest departments with the faculty strength of six. It was started in the year 1981 with Sri P.V.R. Sastry as its head. Today, the department has two Associate Professors and four Assistant Professors academically assisting a huge student strength of 1800.

**Dr. K. Gopal Reddy**, Associate Professor and Head, has a brilliant teaching career of 21 years. A teacher with the specialization of Indian writing in English, he has two research papers to his credit. He has presented papers at national seminars and workshops and produced 5 M.Phils. He is guiding M.Phil., and Ph.D., scholars of various universities in the country. He participated in a number of training programmes conducted by APSCHE, Hyderabad, on English teaching and learning. He is responsible for getting placements for our JKC students through campus selection as JKC trained mentor.

**Dr. U. Venkata Ramana**, Associate Professor and Additional Controller of Examinations has been teaching in the department since 1991. He has published two research papers and produced 11 M.Phils. He has presented papers and chaired sessions at National Seminars. He was also trained in Language Skills organized by A.P. State Government. As an NSS officer he involved students in many awareness programmes like HIV/AIDS, voluntary Blood donation with the support of Indian Red Cross Society, Anantapur. He organized several Gender Sensitizing programmes including equal rights for women, and has worked against ragging, eve-teasing and dowry system in association with women organizations and NGOs. He is also working for the personality development of students through community service.

**Sri S. Narayana Swamy** and **Smt B. Anuradha**, Assistant Professors, have also actively participated in seminars and college activities. All the four teachers have undergone refresher / orientation courses and Train the Trainer programmes to enhance their academic and research skills.

The other two Assistant Professors **Sri S.A. Alim Azmi**, with more than 14 years of experience and **Sri B. Kesava Reddy** with 12 years of experience, are also active members of the department doing their best for the student community.

The department has a well-furnished staff room, a departmental library and a language lab with 42 systems with internet facility, an LCD projector, a scanner and Language Software worth Rs.1,50,000/-. The language lab is used to enhance the communication skills of students in English. The department has eighteen spacious classrooms for its use. The students come both from rural and urban areas. Majority of the students are from Telugu medium back ground hailing from rural areas. The ratio of boys and girls is 45 : 55. The language skills vary according to the background of a student. Those who come from rural areas lack in written and communication skills while the urban students are comparatively better.

As the institution is an autonomous one, the staff, along with outside experts, prepares the syllabi, model papers and evaluation methods in the BOS meeting and presents them in the Academic Council for approval. The faculty expresses satisfaction over the syllabi, model papers and evaluation methods. The department utilizes the curriculum and the teaching learning evaluation methods for the maximum benefit of students. The department encourages the students to participate in the classroom activities such as debates, group discussions, seminars, quiz programmes, essay writing and elocution to improve the language skills.

Besides the lecture method, the department also follows the modern methods of teaching in English, such as pair work and group work, role-play etc., in the classrooms. This has paved the way for more student participation in the classroom activity. This has also reduced the teachers talk time (TTT) and increased the student talk time (STT) in the classrooms. It is a matter of pride that the department conducted a **Two Day National Seminar on English Language Teaching**, sponsored by APSCHE, Hyderabad on 29-30 January 2010. Eminent scholars of English attended the seminar. The Department has collaboration with other degree colleges such as Osmania College (Autonomous), Kurnool and Sri Ramakrishna Degree College (Autonomous), Nandyal.

The Alumni feel that they have learnt English from the department and the department often makes it a point to invite them to the college to interact with the present students and know the present status of teaching in the college. Their feedback on the department is taken into consideration for the use of the department. The employers feel that the department has been working satisfactorily for both the progress of the college and the improvement of the students.

The department is strong in terms of its well qualified and experienced faculty with considerable research output. It can also boast of having a very modern English Language laboratory. The department aspires for another language lab, an ELT center and a language library.



\*\*\*\*\*

## HINDI

The department of Hindi was started in the year 1981 when the college came into existence. Though a single member department, Sri A.Yerri Swamy worked hard to provide quality education in Hindi language and literature under part – I (b) of three year B.A. /B.Com./B.Sc. degree courses till he retired in December 2011. Since the beginning, with a strong commitment, the department adopted student centered strategies in true letter and spirit in imparting knowledge in Hindi language and literature. At present the department is taken care of by Smt. G.Padmavathi. An eminent teacher she is pursuing Ph.D., on Modern literature in Hindi Women criticism.

The department is catering to the needs of a student strength of 46 of I and II year UG courses. Most of the students are from Anantapur district, the economically backward area of Rayalaseema region. Majority of them are women. After the college having gained Autonomous status, the Board of Studies of the department frames the curriculum and the Academic Council of the college ratifies it. The pass percentage of students is around 98%. The percentage of students who reach the universities is around 2%. The faculty encourages the students to prepare charts on Literary Events, Poets and Epics, to participate in seminars, group discussions and literary competitions in and outside the college. The students are encouraged to develop creative writing. The department makes it a point to monitor the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The faculty regularly conducts seminars, guest lectures and group discussions. Flash cards and charts are used to make the learning of Hindi more graphic and to retain the subject in memory effectively and to make the teaching lively and interesting. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. Recently retired teacher Sri A. Yerriswamy was the Controller of Examinations for five years.

The alumni of the department (some names are given in the report) have been serving in various state, central government and private organizations (both in India and abroad) in such cadres as administrators, lecturers and teachers. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. They express happiness about the performance of the department. The Correspondent of the college, Sri P.L.N. Reddy makes it a point to visit the department and monitor the progress of the department. He is happy with the performance of the department.

In a nut shell, the department is a reputed one in the college. There are opportunities for the department to expose students to guest lectures and interaction with eminent teachers from various colleges. The department has plans to conduct a National Seminar, to get a special Hindi course in B.A.

\*\*\*\*\*

## HISTORY

The department of History was started in the year 1981. The Government of Andhra Pradesh sanctioned two posts of lecturers. Dr. M. Nazeer Ahammed a well experienced and qualified teacher serving the department for thirty years retired on 31-10-2012. In recognition of his services, the A.P. state government honoured him with **State Level Best Teacher Award** in 1997. At present, the department has only one Assistant Professor Smt.Y. Prameela who is efficient and experienced. She has undergone various training programmes such as refresher courses, orientation courses and other training programmes to improve her-self academically. The Department is offering BA with History, Economics and Political Science combination.

The department is provided with a well-furnished separate staff room, a departmental library, the required material such as maps, charts, pictures, photographs for teaching, and well-furnished three classrooms. The students are encouraged to prepare maps, charts, pictures and collect photographs of national leaders, national movements, historically important places, Archaeological museums etc. The department is equipped with a computer system and a printer. The total student strength of the department is 220. More than 50% of the students are women, which indicate the safe atmosphere of the college for women students. Most of the students belong to rural areas and backward sections of the society. The department also involves itself in taking classes for I year B.Com students to teach **An Introduction to Indian History** under CBIDE. The department frames its own syllabi in the **Board of Studies (BOS)** under the guidance of outside experts and gets the same ratified in the **Academic Council** as the institution is autonomous.

The department works not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been around 85 on an average. The progression of the students has also been good. The percentage of students who reach the universities is around 65 and those who reach the level of M.Phil., or Ph.D., are around 2. This is all because of the semester system and also the hard work of the teachers.

The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The faculty regularly conducts seminars, guest lectures, group discussions, quiz programmes etc. New teaching methods are an integral part of the department. Remedial classes are conducted to the slow-learners identified by the faculty. The faculty conducts bridge classes to the non-humanity students in the first month of the academic year. The faculty gives academic guidance and personal counselling to students regarding their socio-economic problems, academic matters, examinations, general attendance etc.

The students express satisfaction with regard to the syllabus, methods of teaching and evaluation. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness

programmes regarding superstitions and diseases. The head of the department Dr. M. Nazeer Ahammed himself served as an NSS Programme officer. This has largely helped him to encourage his students to participate in various social activities. They students are encouraged to carry out surveys of politically important persons in the neighboring villages. They are advised to visit Anantapur Museum of Archeology and take up demonstration classes. As an extension to Archaeology, the students are encouraged to collect description of tools, implements, pictures, art, architecture, inscriptions and coins.

The alumni of the department have been serving in various state and central government organizations in such cadres as administrators, lecturers, advocates, registrars, police officers, revenue officers and so on. They often come to college and meet the present students and share their views with them with regard to the subject and institution. The employers are also happy about the performance of the department. The Correspondent of the college Sri P.L.N. Reddy constantly encourages the staff and the students and monitors the progress of the department. He is happy about the performance of the department.

In a nut shell, it can be said that the department has good-facilities with experienced and qualified faculty. It uses innovative methods of teaching with new ideas. There are opportunities for the department to develop by conducting seminars, taking the students on educational tours to places of historical importance. As most of the students belong to rural and socially backward sections of the society, it is a challenge for the teacher to face the large classes and make the students understand the subject. On the whole, the department has its own reputation in the college.



\*\*\*\*\*

## MATHEMATICS

The Department of Mathematics was established in the year 1981. Lecturers on regular basis for the subject were appointed in 1984. The department is offering B.Sc., with 1. Mathematics, Physics and Chemistry (TM & EM), 2. Mathematics, Physics and Statistics (TM & EM), 3. Mathematics, Statistics and Computer Science (EM), and 4. Mathematics, Electronics and Computer Science (EM).

In view of the growing employment opportunities for Mathematics and its emergence as a subject of academic importance M.Sc. mathematics was started in 2005. There is a University-recognized Research Center recently established in the department.

Two Aided posts of lecturers were sanctioned and they were filled after due selection process. Dr. M. Ravindra and Dr. Y. Rajendra Prasad were appointed in October 1984. However, with the introduction of self-funding courses in 1993, additional lecturers were appointed by the management according to the workload. At present there are 2 Associate Professors and 6 Assistant Professors working in the department.

Dr. M. Ravindra and Dr. Y. Rajendra Prasad are well-qualified and experienced Associate Professors, well admired by students as the best teachers. They have taken part in faculty development programmes offered by the parent University, other universities, organizations and institutions. They participated in programmes like Refresher Courses, Seminars, Conferences and Workshops to improve their academic standards. The senior teachers of the department have been actively participating and presenting papers in National and International seminars/ workshops. They have also published articles in reputed journals. They are guiding students for their M.Phil., and Ph.D., programmes. They have already produced many M.Phils. Other teachers also have suitable qualifications and considerable experience.

The department is provided with a well-furnished separate staff room, a departmental library and the required material. The department is equipped with a computer system with printer and Internet facility. The total UG student strength of the department is 1280 and PG is 62. Around 60% of the students are women, which indicates, the protective atmosphere of the college for women students. Most of the students belong to rural areas and backward sections of the society.

The department also involves itself in taking classes for I year B.A students to teach the **General Mathematics for Non-Mathematics Students** under CBIDE. The department frames its own syllabi in the **Board of Studies** (BOS) under the guidance of outside experts and gets the same ratified in the **Academic Council** as the institution is autonomous. For the PG course, the syllabi, the model papers approved by the S.K. University are followed.

The department works not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been around 98 on an average. The progression of the students has also been excellent. The percentage of students who reach the universities is around 75 and those who reach the level of

M.Phil., or Ph.D., are around 3. This is all because of the semester system and also the hard work of the teachers which enable the students to be thorough with the prescribed syllabus and prepare well for internal tests and semester-end examinations. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The faculty regularly conducts seminars, guest lectures, group discussions, quiz programmes etc. New teaching methods are an integral part of the Department. Remedial classes are conducted for the slow-learners identified by the faculty.

The students express satisfaction with regard to the syllabi, methods of teaching and evaluation. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. Some students of the department are actively engaged in NSS and NCC programmes. Dr. M.Ravindra is now the Controller of Examinations. The teachers of the department also act as resource persons, paper setters and examiners for other colleges.

The alumni of the department have been serving in various state, central government and private organizations in such cadres as administrators, lecturers, teachers, advocates, software engineers, bankers, police officers, revenue officers and so on. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. The employers constantly monitor the progress of the department and express happiness about its performance.

Precisely, it can be said that the department has good-facilities with experienced and qualified faculty. It uses innovative methods of teaching with creativity. The department has some drawbacks such as not having permanent staff, young teachers without research experience etc. The department is planning to organize a two day workshop on “Fluid Dynamics” and to strengthen the Research Center.



\*\*\*\*\*

## MICROBIOLOGY

The department of Microbiology was established in the year 1993. Our college is the first affiliated college of Sri Krishnadevaraya University, Anantapur to offer Microbiology as a self-funding course at the UG level with Biotechnology and Chemistry combination.

The Department has one faculty member, Dr. G. Sairamalinga Reddy, a product of Sri Satya Sai Deemed University, Puttaparthi. He is well qualified and experienced. He has participated and presented papers in various national and international seminars. He has to his credit 10 papers published in different national and international journals. He has also authored 4 chapters for text book **Introductory Microbiology** prescribed for I BSc published by the Telugu Academy, Government of A.P. He is a member of the Board of Studies Microbiology, S.K. University, Anantapur. He served as Practical Examiner of M.Sc. Food Technology and Microbiology at Oil Technological Research Institute, JNTU, Anantapur. He also handles classes for MSc Biotechnology course in the college.

The Department caters to the academic needs of about 50 students of I, II & III Year UG Courses. The students come both from rural and urban areas. The ratio of boys and girls is 40:60. The department is provided with a well-furnished staff room, two classrooms, two laboratories and one ICT classroom. Besides the regular lecture methods, the Department at present is also making use of computer, CDs related to subject topics, seminar hall for guest lectures, OHP, LCD Projector, magazines and journals for the purpose of widening the subject knowledge of the students. The department also handles classes for I year B.Sc. MPCS students to teach **Micro-organisms – Human Life** under CBIDE. The department frames its own syllabi in the **Board of Studies (BOS)** under the guidance of outside experts and gets the same ratified in the **Academic Council** as the institution is autonomous.

The pass percentage of the students has been above 90 on an average. The progression of the students has also been excellent. The percentage of students who reach the universities is around 75 and those who reach the level of M.Phil., or Ph.D., is around 5. This is all because of the semester system and also the hard work of the teachers which enabled the students to be thorough with the prescribed syllabi and prepare well for internal tests and semester-end examinations. The department also constantly monitors the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation.

Apart from the regular classroom teaching, use of computers and OHPs, encouraging the students to participate in group discussions, panel discussions and seminars along with teachers, are the healthy practices of the department. The students are advised to prepare charts and models. Simple science projects are assigned to students to improve their scientific temper. The faculty regularly conducts seminars, guest lectures, group discussions, quiz programmes for the benefit of the students. Remedial classes are conducted for the slow-learners identified by the faculty. It also involves

students in basic research projects, takes them to research institutes as beyond syllabus scholarly activities.

The faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases. Some students of the department are actively engaged in NSS and NCC programmes. Mustaq Ahammed, 2008-2011 batch student of the department represented the college as an NSS volunteer at Pre-Republic Day Camp at Bhopal, Madhya Pradesh, in October 2010.

The alumni of the department have been serving in various state, central government and private organizations in such positions as administrators, lecturers, teachers, scientists, registrars and so on. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. Some of the alumni also extend their help for the development of the department. Correspondent of the college, Sri P.L.N. Reddy constantly visits and monitors the progress of the department for a better performance.

The department uses innovative methods of teaching as part of imparting quality education. It can boast of its well-equipped laboratories, good student progression and the supporting management. The department has been exposing its students to hand on experiments, guest lectures and interaction with eminent teachers from various colleges. It has some drawbacks such as not having permanent staff, the students not opting for the course as most of the students prefer to join professional courses after their intermediate. The department has plans to strengthen by getting a PG course in Microbiology. It is planning to conduct certificate courses in Molecular and Genetic Engineering Techniques, Immunological Techniques and Mushroom cultivation.



\*\*\*\*\*

## PHYSICS

The Department of Physics was established in September 1981 when it started B.Sc. with Mathematics, Physics and Chemistry combination both in Telugu and English media. At present, the department is offering B.Sc. with the following combinations of traditional and self-financing courses.

- B.Sc.,
1. Mathematics, Physics and Chemistry (EM&TM)
  2. Mathematics, Physics, and Statistics (EM&TM)
  3. Mathematics, Physics and Computer Science (EM)

There are 7 highly qualified and experienced faculty members in the department, and this strength has increased to 9 with the introduction of M.Sc. Physics in 2005. It is actively involved in taking care of the academic needs of 680 students in the department. The department is buzzing with research activity with S.K. University-recognized Research Centre established in 2010.

**Dr. Y. Narasimha Murthy**, Associate Professor and Head, who has 28 years of teaching and research experience, is widely publishing research papers in national and international journals. He has 25 research articles to his credit and produced 4 M.Phils. and two Ph.D.s. He is the Principal Investigator for a major research project with title “Design and Development of Embedded based system for the Monitoring and Measurement of Environmental parameters” funded by UGC. He made significant mark in the department when he participated in the first ICTP Regional Micro Electronics Workshop and Training on “VHDL for Hardware Synthesis and FPGA Design in Asia Pacific” organized by ICTP, ITALY from 16-06-2008 to 11-07-2008 in Kuala Lumpur, Malaysia. In recognition of his academic excellence, the Government of Andhra Pradesh honoured him with **State Meritorious Teacher Award** in 2000. This research paper “A Zigbee Based Lowpower Wireless Sensor Network System Design for Air Pollution Monitoring” has been accepted to be presented at 3<sup>rd</sup> “International Conference on Physics Science and Technology” (ICPST 2012), Hongkong in December 2012.

**Dr. Y. Muni Krishna Reddy**, another Associate Professor and a senior faculty with 20 years of experience, has also extensively published with 20 articles to his credit. He has also produced 20 M.Phils., and acting as Research Supervisor guiding M.Phil./Ph.D., scholars of various universities in the country. He has also worked for UGC Minor Research Project on Thin Films. He is the convener of ECO Club of the college.

**Dr. Sailaja**, Associate Professor, with more than 20 years of experience, published 14 research articles in national and international journals and produced 2 M.Phils. She has successfully worked for a Major Research Project on ‘Conductivity Measurement in some Surfactants’ worth Rs. 8.5 Lakhs. She has delivered 10 radio talks on popular science topics and other current issues. She is also serving the women students on the campus in the capacity of Coordinator of Women Empowerment Cell (WEC).

**Dr. K. Chandrasekhar Reddy**, Associate Professor, is another faculty member, who has been actively involved in research and student service, with more than 20 years of experience. He has published 10 research papers in national and international journals and produced 11 M.Phils. Two of his teacher research scholars in the department submitted their Ph.D. theses and he is guiding 4 Ph.D. scholars. He is also serving the college and the students in the capacity of Secretary, Students Consumer Cooperative Stores.

All these faculty members, who have been handling PG classes for the last 8 years, are on the various academic committees including Boards of Studies of other institutions. They have also been authorized by S.K. University, Anantapur to guide research scholars.

Until the academic year 1997-1998, Board of Studies for Physics prescribed the curriculum for the subject for colleges under University jurisdiction. From the year 1998-1999 A.P. State Common Core syllabus was followed as per the direction of APSCHE, Hyderabad, until June 2005. But after attaining the Autonomous status in 2005, the college started designing the curriculum keeping the changing needs of society. Introduction of “Applications of Physics in Daily Life” as one of the papers of study under Choice Based Inter Disciplinary Electives for B.A. and B.Com., students is a decision taken in this direction.

In order to provide immediate learning resources for the benefit of the students, the department is maintaining a library with more than 150 titles. Besides, the department has two well-equipped laboratories for the UG students. The labs have Geiger Muller Counter to study radio activity, Abbe Refractometer to measure Refractive index of liquids, D.C. Operators to determine dielectric constant and a separate workshop for preparing electronics independently. There are three non-teaching technical support staff assisting the students in the practicals.

The members of the faculty are using modern teaching methods aided by LCD projector, OHP and audio visual charts. The department constantly monitors the progress of the students by enriching their knowledge by conducting slip-tests, internal exams, class seminars, subject-related quiz programmes and group discussions. Remedial coaching is also offered to the slow learners. The department organized a national seminar on “Emerging Materials and Technologies” in October 2010.

Apart from providing quality education to the students, the department is also involving them actively to participate in various extension activities like health and blood donation camps, clean and green programmes etc. It is also extending commendable service to the needy and deserving students by providing financial assistance to enable them to complete their degree courses successfully and also to join higher learning institutions. The department successfully encouraged and guided the students to apply for **All India Merit Scholarship-Inspire** as a result of which three of its students were awarded merit scholarships to the tune of **Rs. 7,20,000/-** by

the **Department of Science and Technology, Government of India** for the academic years from 2009-10 to 2011-12.

The department has resolved to

- increase the number of merit students for All India Merit Scholarship - **Inspire**
- organize two day national conference on “Recent Trends in Modern Materials”
- introduce the specialization of Material Science at the PG level
- have collaboration with industries /institutions
- start Inter Disciplinary Certificate courses with the potential for self-employment – ‘Mobile Mechanism’ and ‘TV Mechanism’.



\*\*\*\*\*

## POLITICAL SCIENCE

The Department of Political Science was started in September 1981. On the retirement of Sri P. Venkateswara Rao, Associate Professor on 30-11-2011, there is only one Associate Professor working in the department. It offers a three year B.A. course with History, Economics and Political Science combination.

Dr. C. Ramanjaneyulu, Associate Professor, and Head who is well-qualified and experienced, has participated in orientation and refresher courses conducted by various Universities and Institutions from time to time to improve his academic excellence and teaching abilities. He has also served the Department of BC Welfare Study Circle on deputation as its Director.

The department is provided with a well-furnished separate staff room, a computer system with a printer a departmental library, the required material for teaching such as maps, atlas, globe and well-furnished three classrooms. The total student strength of the department is 220. More than 50% of the students are women indicating the secured and protective atmosphere of the college. Most of the students belong to rural areas and backward sections of the society. The department also engages classes for BSc and BBM students under CBIDE to teach **Polity and Government**. It frames its own syllabi in the **Board of Studies (BOS)** under the guidance of outside experts and gets the same ratified in the **Academic Council** as the institution is autonomous.

The department works not only for the academic progress of the students but also for their overall development. The pass percentage of the students has been above 80 on an average. The academic progress of the students has also been good. The percentage of students who reach the universities is around 75 and those who reach the level of M.Phil., or Ph.D., are around 5. This is all because of the efforts of the teacher and the semester system which enables the students to be thorough with the prescribed syllabus and prepare well for internal tests and semester-end examinations.

The department makes it a point to monitor the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The faculty regularly conducts seminars, guest lectures, group discussions, subject-related quizzes and programmes on “mock parliament”, “freedom of expression” etc. The students express satisfaction with regard to the syllabus, the methods of teaching, and evaluation.

Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation and grouping camps, plantation, awareness programmes on HIV/AIDS, superstitions and seasonal diseases.

The alumni of the department have been serving in various state and central government organizations in such cadres as administrators, lecturers, advocates, registrars, police officers, revenue officers and so on. They often come to the college

and meet the present students and share their views with them with regard to the subject and institution. The Correspondent of the college Sri P.L.N. Reddy constantly monitors the overall activities of the department and often offers suggestions for the improvement of the department.

Though the department is small in terms of faculty and students, it has good-facilities with experienced and qualified faculty. It uses innovative methods of teaching of making student seminars as an important integral part of teaching. The department arranges education tours focusing on archeology. As most of the students belong to rural and socially backward sections of the society, their academic progress is constantly observed and remedial coaching is conducted for slow learners.



\*\*\*\*\*

## SANSKRIT

In order to create interest and develop aptitude in the student community to learn Sanskrit, Sai Baba National Degree College introduced the Department of Sanskrit in the year 1981. Since its inception, the Department has proved its greatness and stood as a model to the other Sanskrit departments of the various colleges in the Anantapur district.

There are two faculty members in the Department. Dr.P.P.V.D.Naga Trisula Pani was appointed in the year 1982 on regular basis. He is highly qualified and competent with a brilliant academic record. It is because of his sincere efforts and the support of the management the student strength of the department has increased year after year. He has taken part in the faculty development programmes like orientation and refresher programmes, seminars, conferences and symposia organized by the Universities, Institutions and other literary societies from time to time. He has published many articles of academic, research and general nature in various journals, books, newspapers and magazines of great repute. He also served as a member for preparation of lists of books and journals for VIII Plan of UGC to affiliated colleges of S.K. University, Anantapur. He delivered more than 70 All India Radio Talks. He has participated as Pruchhaka in many Astavadhanams. In and around Anantapur district, he delivered around 500 valued based talks. In recognition of the service rendered on the Republic Day and Independence Day he was awarded merit certificates by the District Collector many times. He is also the recipient of “The State Best Teacher Award”, 2006. His name is included in the “Reference Asia and Asia Who is Who of Men and Women Achievement” published by the Rifacimento International, New Delhi. Another staff member Smt. G. Punyavathi is also qualified and experienced. She assists the head of the department in all aspects of academic activities of the department.

The department is provided with a separate staff room, a computer system with printer and other requirements. It has its own library with 70 books and 10 journals. The total number of classrooms for the department is three. The Department caters to the academic needs of about 589 students of I & II UG courses. Most of the students are from Anantapur district, the economically backward area of Rayalaseema region. Majority of them are women.

The department has been following the syllabus prescribed by Board of Studies in Sanskrit set up by the College and the same is approved by the Academic Council as per the guidelines under the Autonomous system. Students studying Sanskrit as second language have been highly successful with a pass percentage of above 95. The progression of the students has also been good. The percentage of students who reach the universities is around 75 and those who reach the level of M.Phil., or Ph.D., are around 5. This is all because of the efforts of the teachers and the semester system.

The department makes it a point to monitor the progress of the students by getting feedback from them with regard to the curriculum teaching-learning-evaluation. In order to make teaching an interesting and pleasurable experience, the faculty regularly

conducts seminars, guest lectures, and group discussions. Flash cards and charts are used to make the learning of Sanskrit more graphic and to retain the subject in memory effectively and to make the teaching lively and interesting.

Additional study material is given to the students to help them learn Sanskrit easily. Students are advised to visit Sanskrit websites and gain access to more information and also develop greater interest in the subject. The students express satisfaction with regard to the syllabus, the methods of teaching, and evaluation. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes on superstitions and seasonal diseases supporting NSS, NCC, Red Ribbon Club and Eco Club activities.

The department established collaborations with the Department of Sanskrit, S.V. University and Kendriya Vidya Peeth, Tirupati. Faculty of these Institutions visit our College and enriches our students in the subject related matters. The department also conducts certificate courses and Sanskrit spoken classes regularly.

At present students are assessed by monthly tests, two internal examinations and a semester end examination. Remedial classes are taken for the students who lag behind in getting hold on the subject. Recently the department conducted a two-day UGC sponsored National Seminar on “**Human Values in Sanskrit Literature**” on April 28 & 29, 2012. Many eminent scholars attended the seminar. The students of Sanskrit also take part in the academic activities of the department such as seminars, mock lectures, quiz, recitation, elocution and essay writing competitions.

The alumni of the department have been serving in various state, Central Government and private organizations (both in India and abroad) in such cadres as administrators, lecturers, teachers, scientists and software professionals. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. They express happiness about the performance of the department.

The department has its own reputation in the university area as it has been imparting quality education through guest lectures and interaction with eminent teachers from various colleges. The department has plans to conduct another National Seminar, and to get a PG course in Sanskrit.



## STATISTICS

The Department of Statistics came into existence on 15-10-1984 with two sanctioned posts of lecturers. At present there are 3 faculty members in the department offering the following combinations of UG course.

- B.Sc., 1. Statistics, Mathematics and Physics (EM & TM)
2. Statistics, Mathematics and Computer Science (EM & TM)

**Dr. G.S. Devasena**, Head of the Department, published two research papers. She worked for Andhra Pradesh Telugu Academy Statistics Textbook preparation prescribed for IIIrd B.Sc. She has also participated and presented papers on various topics of Statistics at national level seminars and workshops. Well-known as an NSS programme officer, she has participated and organized a number of extension activities like awareness programmes on women-related issues like dowry system, violence against women. She participated in National Integration Camps, Winter Adventure camp and Pre-RD Camps in various parts of the country in Kerala and Himachal Pradesh in 2008-2011. She is involved in community service in association with social organizations like the Lions Club and Indian Red Cross Society. In recognition of her services, she was honoured with **State Best NSS Programme Officer Award** in 2011. The Andhra Pradesh State Government also honoured her with **State Meritorious Teacher Award** in 2012.

**Dr. B. Venkata Ramudu**, who has put up 12 years of teaching experience, has also published 6 research papers in international journals, participating and presenting papers at national seminars/workshops.

The department, as part of its quality teaching, makes use of models, charts, LCD projector and collection of subject-related news clippings. Class seminars, group discussions, quiz programmes and special guest lectures by university professors also form part of effective teaching and learning.

The department is maintaining a departmental library with more than 150 books to enable the students to utilize the knowledge resource for their academic advancement. There are two laboratories where advanced scientific calculators are used to enable the students to have good exposure to data collection, sampling technics, statistical quality control etc. The lab is also utilized to introduce to the students the research potential areas like operations research, stochastic processes and statistical quality control. To build-up statistical skills and abilities and expose them to the application part of the subject, the students are encouraged to collect data from various sources including newspapers and analyze it by applying the statistical technics. With this kind of employment orientation many of our students are trained to face interviews, so as to earn placements in reputed companies.

The department is also extending academic support to BBM and the PG departments of Chemistry, Bio-Technology and Commerce including the Department of Statistics, S.K. University, Anantapur.

Apart from academic pursuits, the teachers have also taken interest in the matters of advising the students on higher studies and career building, personal and financial including health problems. It has been inculcating interest in the student community a sense of social responsibility.

The department is planning for

- Introduction of a PG course in Statistics
- Conduct of a two day national workshop on “Statistical Tools for Physical and Social Sciences”
- Introduction of Add-on certificate courses with self-employment orientation
- Working for securing UGC Research Projects



\*\*\*\*\*

## TELUGU

Telugu is the mother tongue of most of the people of Andhra Pradesh. It is the language of nearly six crores of people. A language with full of grace and charm, it is a very sweet language to speak and to listen. That is why a scholar like C.P.Brown was inspired to choose it to compile his monumental English – Telugu and Telugu – English dictionaries.

The Department of Telugu was started in October 1981. Today, the department is run by 3 Assistant Professors. Smt. C. Deevena, Head of the Department, has been serving the department for the last four years. A good teacher of Modern Telugu literature, she has been actively working for the development of Telugu language by organizing essay writing and quiz competitions in Telugu literature. A Telugu short story writer, her stories were published in vernacular magazines.

**Dr. N. Rasool**, Assistant Professor, has also been serving the college for the last four years. With a brilliant academic record, he teaches Modern Telugu literature with special focus on Folk literature appealingly. He has attended and presented papers at national seminars and workshops. He has been a tremendous supporter of NSS, NCC, Red Ribbon Club and ECO Club activities involving students in awareness programmes. **Dr. N. Obi Reddy** is on the faculty.

The department is provided with a separate staff room, a computer system with a printer and other requirements. It has its own library with 50 books. The total number of classrooms for the department is six. The Department caters to the academic needs of about 753 students of I and II year UG courses. Most of the students are from Anantapur district, the economically backward area of Rayalaseema region. The Majority of them are women.

After the college having gained Autonomous status, the Board of Studies of the department frames the curriculum and the Academic council of the college ratifies it. The pass percentage of students is above 95%. The percentage of students who reach the universities is around 10 and those who reach the level of M.Phil., or Ph.D., are minimal. The faculty is encouraging the students to prepare charts on Literary Events, Poets and Epics, participate in seminars, group discussions and literary competitions in and outside the college. Remedial classes are arranged for slow learners, which help them to compete with the other students of the class.

The students are encouraged to collect folk songs and Telugu sayings from the surrounding villages. The Newspaper clippings on language related topics are collected and the same are distributed among the students to enhance the Telugu language skills. The handouts are prepared on contemporary Grammar and the same is distributed to the students. Along with the academic instructions, the students are involved in the activities related to the facts, stories, poetic movements in modern literature, Akashavani and in journalism. The students are encouraged to develop creative writing. The department makes it a point to monitor the progress of the students by getting feedback from them with regard to the curriculum teaching-

learning-evaluation. The students are at liberty to approach the department for any kind of help they needed to understand the subject. The faculty regularly conducts seminars, guest lectures, group discussions on subject related and other literary topics. Besides, the faculty and the students participate in extension activities such as clean and green programmes, blood donation camps, plantation, awareness programmes regarding superstitions and diseases.

The alumni of the department have been serving various private and public organizations occupying the positions like administrators, lecturers, teachers, scientists and software professionals. They often come to the college and meet the present students and share their views with them with regard to the subject and institution. They express happiness about the performance of the department. Correspondent Sri P.L.N. Reddy makes it a point to visit and monitor the progress of the department. He is happy with the performance of the department.

It is one of the departments in the college whose student strength has been increasing year by year as the department has its own reputation in the university area. There are opportunities for the department to expose students to guest lectures and interaction with eminent teachers from various colleges. The department has plans to conduct a National Seminar, to get a special Telugu Course in B.A.



\*\*\*\*\*

## ZOOLOGY

In view of the rapid expansion of the frontiers of animal science as one of the important subjects of study, the College established The Department of Zoology in 1982 with following UG course and subject combinations.

- B.Sc., 1. Botany-Zoology-Chemistry (TM&EM)  
2. Biochemistry-Zoology-Chemistry (English Medium)

Taking into consideration the need for more employment opportunities for our young graduates, the department started a restructured course – B.Sc., Biochemistry-Zoology-Chemistry (English Medium) in 1993-94.

A distinguished teaching faculty of Zoology has served the department since its establishment. At present there are two regular Associate Professors and one Assistant Professor in the department taking care of the academic needs of more than 250 students.

**Dr. B.Sivaramakrishna**, Associate Professor, Head and Coordinator of NAAC Steering Committee for Accreditation and Reaccreditation, with more than 29 years of illustrious teaching and research career, has published 30 research papers in national and international reputed journals. He has also participated and presented 25 papers at national seminars /workshops/conferences. He has produced 7 M.Phils., and is guiding Ph.D. scholars. A man of teaching credentials, he has contributed 2 units and edited the textbook of Zoology for Intermediate, authored and edited two textbooks for I and III year B.Sc. brought out by Spectrum Publications, Hyderabad. He is a professional member of the Indian Biophysical Society, Mendelian Society of India, and National Environmental Science Academy. He is also serving various academic bodies including the Board of Studies, S.K. University, OTRI, JNTU College of Engineering, Anantapur, besides being the member of the advisory committee of the District Science Centre and participated in District and State Level Science Fares for two decades. He was an adjudicator for the 93<sup>rd</sup> Indian Children Science Congress held at Hyderabad, and also acted as the Quiz Master for YUVA Adolescent Quiz Programme in 2008. He is instrumental in the conduct of a two day “Lab-to-Land” programme benefitting more than 200 high school teachers in the district. He came into limelight when the National Environmental Science Academy (NESA), New Delhi honoured him with “**Best Scientist Award**” in 1993. He is associated with international voluntary service organizations like the Lions Club and the Rotary Club and local organizations like Janavignana Vedika . He is the present Vice President and PRO of the Lions club of Anantapur. He participated actively in social, cultural, and community service activities in association with voluntary social organizations. In recognition of his commendable performance, the Government of Andhra Pradesh honoured him with “**State Meritorious Teacher Award**” in 1994.

**Dr. S. Murali Mohan**, another Associate Professor with more than 29 years of successful teaching and research experience, has published 6 research papers in national and international journals, presented papers at national seminars /workshops/

conferences and is guiding M.Phil./Ph.D., scholars. He has contributed 2 units to the textbook of Zoology for Intermediate brought out by Spectrum Publications, Hyderabad. Smt. E.Sirisha, Assistant professor, who has 8 years of teaching experience, is specialized in teaching physiology, committed to her profession and immensely contributed to the commendable pass percentage (90%) of the students.

**H**e has been the District Coordinator and Resource Person for Refresher Training programmes for lecturers on HIV/AIDS, Nehru Yuvaka Kendra and District Science Centre. A former active NSS Programme Officer from 2003 to 2009, he received Best Programme Officer award from S.K. University, Anantapur. He represented S.K. University, Anantapur as the team leader at National Integration Camp, Agra, sponsored by Govt. of India, Ministry of Youth Affairs and Sports organized from 19th to 25th October, 2004. He was selected by NSS Regional Centre to lead the A.P. contingent (NSS) at Republic Day Parade on 26th January 2007. He is associated with various social service organizations like Indian Red Cross Society, Jana Vignana Vedika, Manavatha, Bharath Vikas Parishad, Seshasai Home for Disabled, YUVA Association etc. He is presently the Vice President of Lions Club of Anantapur.

There are two well-furnished and well-equipped spacious laboratories for the department for conducting practicals. A museum with a good number of preserved specimens showcased in glass cabinets is an added advantage for the students in the lab. Our students collected some of them during their Zoological tours. The museum is highly useful to the students as well as teachers in enriching morphological knowledge of different animal species. The lab has advanced scientific equipment like colorimeters, pH meter, high-speed centrifuge, research microscope, thermostatic ovens, thermostatic water bath, refrigerator etc.

The department has been employing innovative teaching techniques for imparting quality education. For instance, discussion is made an integral part of teaching. One of the practical hours every fortnight is used for the purpose. Topics in the regular syllabus are briefly outlined at least seven days in advance. The entire class is to come prepared for a discussion on the topic, monitored by a staff member. The process initiated by a couple of questions from the teacher, slowly gains momentum and a lively discussion follows. Quite a large number of students, who are usually silent spectators, take active part with the encouragement of the teacher. Considerable amount of syllabus and curriculum is covered and repeated in this way.

**I**n the process of imparting quality education, the faculty is using ICT-enabled teaching aids including, glass boards, Bio-visual charts, LCD, OHP, a good number of permanent microscopic slides, biological specimens, charts, models and a few relevant CDs. Besides, the students were also academically assisted by the departmental library with more than 200 titles.

The student enrichment programmes like guest lectures by eminent university professors and field trips to the research institutions like Central Sericulture Research Centre, Rappthadu have also been organized. For keeping abreast of the latest developments in animal science in the highly competitive world, the department has

introduced a new paper “Health Management” under CBIDE for Commerce and B.Sc., (MPC) students. To give a different academic exposure to our students the department organized seminars on “Career Opportunities in Life Sciences”, “B-Cell & T-Cell Pattern of Antigen Reorganization, Responses and Consequences” and workshops on “PCR Technology” and “Fruit Preservation Technology”.

The teachers of the department have special focus on involving and improving presentation and articulation skills of students through seminars, group discussions and quiz competitions etc. They also guide the students to undertake study projects of local relevance to develop their research abilities and skills of interpretation. The teachers of the department frequently take up remedial coaching classes and counseling sessions to the students in respective subjects to improve their performance in the semester end examination.

The department is also assisting the students through Students Club – **pursuit** – focusing on curricular and extra-curricular activities for effective participation and expression. The department has encouraged students to participate in curricular and extra-curricular activities including sports, NSS and NCC activities. In tune with the slogan “personality development through community service,” the teachers actively participated and involved the students in participating and organizing various awareness programmes on HIV/AIDS, communicable health hazards, blood grouping, voluntary blood donation, literacy and gender sensitizing programmes including ragging, eve-teasing and dowry system.

As a result of these enriching facilities and the committed efforts of the faculty, students have become responsible citizens serving various private and public concerns with respectable positions like software engineers, professors, revenue divisional officers, municipal commissioners, DSPs etc. Our Alumni, showing a lot of concern for the Institution, donated Rs.75,000/- towards instituting an endowment scholarship.

The department proposes to

- start M.Sc. Zoology
- establish a Research Centre
- secure UGC Major Research Projects
- introduce add-on courses with employment orientation like ‘Lab Technician’, ‘Food Processing and Preservation’



\*\*\*\*\*

## **PART – II**

# **DEPARTMENTAL PROFILES**

## PROFILE OF THE DEPARTMENT

- Name of the Department & its year of establishment:** Biotechnology  
Established :: 2003
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG Program :: B.Sc. course (Biotechnology, Microbiology, Chemistry)

PG Program :: M.Sc. Biotechnology

- Interdisciplinary courses and departments involved**

Interdisciplinary Elective – Applications of Bio-Technology

- Annual/ semester/choice based credit system:** Semester System
- Participation of the department in the courses offered by other departments**
  - Curriculum development, Instruction and Evaluation
- Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	2	2

- Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. M. Padmavathi	MSc., MPhil., Ph.D.,	Asst. Prof.	Plant Physiology	18	NIL
C. Sivaprasad	MSc.,	Asst. Prof.	Biotechnology	1	NIL

- Percentage of classes taken by temporary/Guest faculty – programme-wise information**

PG Program – 50% : UG Program – 10%

- Programme-wise Student Teacher Ratio**

UG Program – 30:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:** One Lab assistant

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL

**13. Research facility / centre with:** NIL

**14. Publications:**

- **Number of papers published in peer reviewed journals (national / international)** One

**15. Details of patents and income generated:** NIL

**16. Areas of consultancy and income generated:** NIL

**17. Faculty recharging strategies**

Participated in Workshops, Seminars, and Refresher courses conducted by various colleges and universities. Accompanied students in educational tours for visiting Research institutions and Laboratories.

**18. Student projects**

- **Percentage of students who have done in-house projects including inter-departmental:** 10%
- **Percentage of students doing projects in collaboration with industries / institutes PG students:** 4<sup>th</sup> semester is for project work.

**19. Awards / recognitions received at the national and international level by**

- **Faculty**
- **Doctoral / postdoctoral fellows**
- **Students**

NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Organized a National Seminar on Recent Trends in Biotechnology funded by the college management.
- A National Seminar on Challenges in the Life Sciences in Recent Era was organized jointly by the Departments of life sciences of our college, funded by the college management.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	17	4	13	75	80
PG	SVURPGCET	0	0	-	--

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,		100		
PG		-		

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?: NIL**

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	80%
PG to M.Phil.	10%
PG to Ph.D.	10%
Employed	10%
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	
from other universities within the State	50%
from other universities from other States	50%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. NIL**

**27. Present details about infrastructural facilities**

- |  |       |
|--|-------|
| a. <b>Library</b>                                    | :Yes  |
| b. <b>Internet facilities for staff and students</b> | :Yes  |
| c. <b>Total number of class rooms</b>                | :Two  |
| d. <b>Class rooms with ICT facility</b>              | :One  |
| e. <b>Students' laboratories</b>                     | :Five |
| f. <b>Research laboratories</b>                      | :NIL  |

**28. Number of students of the department getting financial assistance from College.**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

The number of available seats in various colleges is 120. No college is offering this course except university colleges. Hence students are distributed to other states to pursue this course. As our college has well equipped laboratories and qualified staff in life science departments, we intend to start an advanced course in life sciences i.e. M.Sc. Biotechnology.

**30. Does the department obtain feedback from**

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, as the institution is an autonomous one, the faculty of the department with outside experts frames the curriculum and evaluation methods in its Board of studies meeting and the same will be approved by the Academic council. The teachers express satisfaction over curriculum evaluation methods etc.

- **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Yes, the department obtains feedback from the students on staff, curriculum and teaching- learning evaluation. We go through the feedback provided by the students and improvise accordingly.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

The department invites alumni to interact with the present students and suggestions are taken on curriculum, teaching methods and are used in strengthening the department.

**31. List the distinguished alumni of the department (maximum 10)**

1. C. VijayaRanganath, Senior Scientific Officer, ICRISAT, Hyderabad
2. S. Syed Ahmed, Customer Service Associate, ICICI Prudential
3. S. Shireen, Senior Research Fellow, OTRI, JNTU.

4. S. OmPrakash, Single window Operator, Corporation Bank.
5. P. Amaranatha Reddy, Clinical Research
6. M. GopalaKrishna, Research scientist, Germany.
7. B. N.Prasantha Kumar, Research scientist,
8. M. Yugandhar, Assistant Manager, United Bank of India, Tirupathi.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts**

**Guest Lectures:**

Guest lectures were conducted by inviting the following professors and scientists.

- Prof. S.Dayananda, HCU, Hyderabad.
- Prof. C.Sudhaker, SKU, Anantapur.
- Prof. G.H.Phillip, SKU, Anantapur.
- Dr. P.Sreenivasula Reddy, Senior Scientist, SRI, Anantapur.

**Workshop:**

Workshops were organized on PCR technology and Bioinformatics by Life Science departments.

**Field Trips:**

- Visited Research Laboratories of Botany and Biotechnology departments in SK University, Anantapur.
- Visited Sericulture Research Institute, Rappthadu.
- Visited Anantha Bio-Tech Plant tissue culture laboratory, Anantapur.
- Visited OTRI laboratories JNTU, Anantapur

**33. List the teaching methods adopted by the faculty for different programmes.**

Teaching methods like explaining, demonstrating, collaborating, learning by teaching were adopted with the help of charts, OHP, and LCD.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Learning outcome is monitored by conducting slip tests, quiz, seminars and internal examinations.

**35. Highlight the participation of students and faculty in extension activities.**

- Students of the department are actively participated in various special camps conducted by the college like health camps blood donation camps and clean and green program etc.
- Some students of the department are active members of NSS & NCC.
- Dr. M. Padmavathi has participated in a work shop on Capacity Building of Women Managers in Higher Education, organized by SK University, Anantapur.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Students undertook some mini projects and seminar presentations on their own interest and enthusiasm towards the subject.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details: NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Well-equipped laboratories.
- Qualified faculty.
- Good student progression.
- Supporting and encouraging management for organizing seminars and inviting guest faculty.

**Weaknesses**

- Lack of long standing faculty.

**Opportunities**

- Students are exposed to hands on experiments.
- Students are also exposed to different guest lectures.
- Students' involvement in basic science research programs.
- Staff member's interaction with academicians during seminars and guest lectures.

**39. Future plans of the department**

- Further strengthening of the department with well qualified experienced staff.
- Further equipping the lab for MSc programme.
- Planning to start an Inter Disciplinary Certificate Course, in Molecular Biology&GeneticEngineeringTechniques.

## PROFILE OF THE DEPARTMENT

- 1. Name of the Department & its year of establishment:** Botany Established in 1981
- 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.Sc.,(Botany, Zoology, Chemistry ; both Telugu and English Media
- 3. Interdisciplinary courses and departments involved:** Interdisciplinary Elective: Plants in Human welfare
- 4. Annual/ semester/choice based credit system:** Semester system
- 5. Participation of the department in the courses offered by other departments:**
  - Curriculum development, Instruction and Evaluation
- 6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	02	02
Asst. Professors	02	02

- 7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	Experience
Smt.T.Umadevi	M.Sc.,M.Phil.,	Associate Prof.	Genetics and plant breeding	29
Dr.C.Prabhakara Raju	M.Sc.Ph.D.,	Associate Prof.	Plant Taxonomy	27
Lt.B.V.Ramana Naidu	M.Sc.,M.Phil.B.Ed.,	Assistant Prof.	Plant Taxonomy	20
G.Raja Reddy	M.Sc.,B.Ed.,	Assistant Prof.	Plant Taxonomy	01

- 8. Percentage of classes taken by temporary faculty:** 10% by guest faculty
- 9. Programme-wise Student Teacher Ratio:** 48:1
- 10. Number of academic support staff (technical) and administrative staff:**

Sanctioned : 02; Filled 02.

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise : NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received : NIL**

**13. Research facility / centre with : Basic research facility is available but not recognized : NIL**

**14. Publications:**

- **Number of papers published in peer reviewed journals (national / international) :** Dr. C. Prabhakara Raju : 17; Lt. B.V.Ramana Naidu: 6 . Total: 23
- **Chapter(s) in Books:** 1. Prabhakara Raju. C and R.R.Venkata Raju Asteraceae (Nom. Alt. Composite).In “Flora of Andhra Pradesh Vol.2 (T.Pulliah and Alimoulali, Eds. Scientific Publishers, Jodhpur, P.P. 505-543.
- **SJR : Rheedia:** 0.03
- **Impact factor – range / average :** 1
- **h-index : Rheedia :** 2

**15. Details of patents and income generated : Nil**

**16. Areas of consultancy and income generated : Nil**

**17. Faculty recharging strategies:**

- Attending Refresher courses, orientation courses conducted by Academic staff colleges
- Participating in national and international level seminars, workshops, symposia.
- Study tours to Research centers along with students and study field trips.
- Discussions with resource persons invited to seminars or guest lectures.
- Memberships in “Angiospermic Taxonomy and Freshwater Algal societies

### 18. Student projects

- Percentage of students who have done in-house projects including inter-departmental: 3-5%. (Fresh water algae, water analysis, Photochemistry, Plant taxonomy and Bioinformatics)
- percentage of students doing projects in collaboration with industries / institutes : Nil

### 19. Awards / recognitions received at the national and international level by

Faculty: Dr.C.Prabhakara Raju, was awarded State Meritorious Teacher award by the Government of Andhra Pradesh in 2004

### 20.Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

- A workshop on PCR technology ; funded by College Management
- A work shop on Fruit preservation technology; funded by college management
- A Seminar on Career Opportunities in Life Sciences by Prof. Dayanand, University of Hyderabad.
- Seminar on Chemical composition of Seeds by Dr. G.Azimuddin, former Director, OTRI.

### 20. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	115	29	82	75	79

### 22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	90%	--	--

### 23. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations?

CSIR Fellowship-01.NET : 01 Defence services: 01

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil.	4%
PG to Ph.D.	3%
Ph.D. to Post-Doctoral	1%
Employed	
Campus selection	2%
Other than campus recruitment	50%
Entrepreneurs	15%

#### 25. Diversity of staff

Percentage of faculty who are graduates		
of the same parent university	2	50%
from other universities within the state	2	50%

#### 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Ph.D., work in progress; --- NIL

#### 27. Present details about infrastructural facilities

- **Library** : Maintaining Departmental Library with 170 titles and 200 volumes
- **Internet facilities for staff and students** : available both in staffroom, and classroom
- **Total number of classrooms**: Two labs cum classrooms and one smart classroom
- **Classrooms with ICT facility** : A smart classroom with information and communication technology is available to the students with a computer, internet and LCD projector

- **Students' laboratories:** Two
- **Research laboratories :** One

**28. Number of students of the department getting financial assistance from College:** Nil

**29. Was any need assessment exercise undertaken before the development of new program(s)?** If so, give the methodology. No

**30. Does the department obtain feedback form**

- The Department obtains feedback from students, colleagues and through self-reflection. The Department framed the curriculum and evaluation methods in its Board of Studies meeting with subject experts and the same will be placed before Academic council. The council, with experts in different fields and faculty of other departments, will approve the same with or without modification after fruitful discussions. The Department bring in the changes in curriculum or evaluation methods if suggestions are given.
- The students are at liberty to express whether each topic delivered has reached him or not. Hence it is a continuous feedback on staff; so that a teacher can continually adjust and improve his/her work. Feedback is also gathered after instruction has been completed in a specified format. Students are informed of the uses that may be made of the data. The information is analysed, interpreted and is discussed in staff meetings and flaws are rectified.
- Alumni feedback: Alumni openly admit whether the curriculum they studied was useful in their life or not. Suggestions are invited from them individually or from groups. The department invites alumni to interact with the present students and suggestions are taken on curriculum, teacher and learning capacities of students which are used in strengthening the department.
- Employer feedback: As the college is managed by a trust, The Correspondent and the secretary of the college continuously monitor the department. Staff meetings are conducted frequently. Results, student progress, discipline, requirements of the departments, departmental involvement in strengthening the college as a unit, role of the department and students to community development etc are discussed. Suggestions and instructions are given to the department or individual faculty member. The same are followed by the department.

**31. List the distinguished alumni of the department (maximum 10)**

- A.Chandrasekhar(Post Doc. University of Bologna, Italy),Assistant Professor, YogiVemana University, Kadapa, A.P
- VeeraBramhaChari(Post Doc. IISC, Bangalore, Queensland Institute of Medical Research, Royal Bisbane Hospital, Brisbane, Queensland, Australia), Assistant Professor, Krishna University, Machilipatnam

- S.Hemakumar, Solution Architect manager, Cognigent technology solutions, Hyderabad.
- K.Sreenath, Deputy Manager, NATCO Pharma, Hyderabad.
- M.Jaganmohan Reddy, Deputy Manager, Ranbaxy Genotech laboratory, Hyderabad.
- Y.Suresh, Junior Manager, Dr. Reddy's Laboratories', Hyderabad.
- Munibhaskar, Junior Manager, Dr. Reddy's Laboratories', Hyderabad.
- G.Rajendra Prasad, Inspector of Police, Rayachoti, Kadapa District, A.P.
- S.Babafukruddin, Junior Civil Judge, Rayachoti, Kadapa District, A.P.
- B.Ravindra Reddy, Advocate, High court , Hyderabad.
- N.G.Pavan kumar Reddy, Post Doc. Harward University, U.S.A

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts**

- Professors and scientists are invited as guest faculty. Prof. Dayanand , Central University, Prof. T.Pullaiiah, Prof. RRV Raju, Prof.Sudhakar, and Prof. Raviprasad Rao from the Department of Botany, S.K.University, Prof.DVR Saigopal, Department of Virology,SV University, Dr.Chandrasekhar, Yogivemana University, Dr.Veerabhamhachari, Krishna University have been invited to deliver special lectures/seminars to enrich student knowledge.
- The resource persons from local research station of Acharya NG Ranga University, Jawaharlal Nehru Technological University, Anantapur, Oil and Technological Research Institute Anantapur are invited from time to time.
- Local Ayurvedic and Homeopathic doctors are invited to address on Indian Medicinal systems.
- Practical workshops have been conducted on PCR technologies, Fruit Preservation Technology, Bioinformatics, Herbarium methodology etc.

**33. List the teaching methods adopted by the faculty for different programmes:**

- Apart from regular glass board teaching, department is using models, charts, LCD projector with internet connection, Overhead projector, quiz, collection of subject related news clippings and discussions.
- Trinocular Microscope with CCD camera is used for practical purpose and digital images on the screen are captured to assess details.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored**

- Learning outcome is monitored by conducting Internal examinations, Semester end examination, Slip tests ,Assignments, oral presentations, classroom discussions etc., Slow learners are given remedial coaching.
- Teaching is delivered in both media (English and Telugu) in Ist Semester for those Students who are unable to cope up with English medium.
- Presentation, delivery, and communication capacities are judged in student seminars and spot advices are given.

**35. Highlight the participation of students and faculty in extension activities**

- Students are encouraged to participate in curricular, co-curricular and extracurricular activities especially in the community service.
- **Dr.C.Prabhakara Raju**, himself served as an NSS programme officer, NSS District Programme Officer, President , Lions Club Of Anantapur, Life member ,Red cross Society Anantapur, Coordinator and Mentor-Jawahar Knowledge Center, Coordinator –Career Guidance Cell, and Placement Officer.
- **Lt. B.V.Ramana Naidu**, of the Department, is Associate NCC Officer, Member, Lions Club of Anantapur, Life member, Red Cross Society, Anantapur.
- Students involve in special camps conducted in villages, health camps to the poor and the needy, traffic control assistance, several awareness rallies.
- Dr.C.Prabhakara Raju of the Department acts as a Judge, at the District Level Science Fares, associates himself with Nehru Yuva Kendra, in youth training programmes.
- Students bagged prizes in cultural activities both at university and state level.
- A Science exhibition was conducted to local school children
- School teachers are trained under Lab to Land programme of CPE.
- The Govt. hospital, nearby college depends on the Department of biology for rare blood groups and emergency blood donations to the poor and the needy.

**36. Give details of “beyond syllabus scholarly activities” of the department**

- Interactive sessions with alumni, who are pursuing higher education or settled in subject areas, such as teaching, research, or working with pharma companies or as trainers.
- Involving the students in basic research.
- Organizing workshops and seminars with experts taking students to field trips, to research institutes and to local university.
- Involving students in the preparation of models, using their creativity.
- Discussions on subject newspaper clipping.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details: No**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department Strengths:**

- Spacious and highly equipped laboratories, classrooms, library and other learning facilities for both the teacher and the taught.
- Study environment, updated, responsive curriculum, employee involvement with student learning activities, student-centered learning resources.
- Financial aid and scholarship availability. Gold medals to encourage students.
- Variety instructional delivery modes, Career and personnel counselling and advising, remedial coaching, Clean and safe campus and laboratories.
- Caring, dedicated, highly educated and experienced, expert faculty, reasonable student teacher ratio, and convenient class schedule.

**Weaknesses:**

- Absence of replacements of grant-in-aid teachers on their retirement
- Reliance on part-time faculty and heavy workload.
- Lack of strong career-related programs
- No focused and effective summer session program or curriculum.
- Lack of effective communication skills with students, as many of them come from telugu medium and rural areas with less exposure to English

**Opportunities:**

- Using student assessment results to improve program quality. Expand student activities. Increase tutoring for student success.
- Adding new vigorous academic and workforce programs. Increase career services for students. Add on courses to strengthen the student employability.

- Research establishment and getting funds to strengthen the department. Involving more number of students in basic research and encouraging them towards summer research fellowships
- Effective use of web technology for student and teacher progression
- Reunions as opportunities to reconnect with alumni and strengthen the department.

**Challenges:**

- Drift of intelligent students to other areas at intermediate level is leading to the entry of noncreamy students into degree programmes.
- Retirements and need for succession planning.
- Low sense of participation of students in various activities
- Getting funds
- Attracting creamy students towards basic science and communication problems.

**39. Future plans of the department.**

- Establishment of a Research Center
- Introduction of more self-employable add on courses
- Strengthening of the department with equipment and literature by getting research projects.
- Involving more number of students in basic research so as to achieve summer research projects like Rajiv Gandhi summer research fellowship.
- Proposal to start M.Sc., Botany.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment:** CHEMISTRY UG: 1981 PG: 2005
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** - UG: MPC & BZC (EM &TM), Biotech-Microbiology-Chemistry PG: ORGANIC CHEMISTRY
3. **Interdisciplinary courses and departments involved:** Interdisciplinary Elective – Applications of Chemistry in Agriculture, Medicine & Industry
4. **Annual/ semester/choice based credit system:** SEMESTER SYSTEM
5. **Participation of the department in the courses offered by other departments:** Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	3	3
Asst. Professors	7	7

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Sri. N.V. Chalapathi	M.Sc, M.Phil, B.Ed.,	Associate Prof.	Inorganic Chemistry	30
Dr.G. Ramanjaneyulu	M.Sc, Ph.D.,	Associate Prof.	Organic Chemistry	28
Sri. B. Srinivasa Rao	M.Sc, M.Phil.,	Associate Professor	Analytical Chemistry	28
Dr. M. Madhusmitha	M.Sc, Ph.D.	Asst. Prof.	General Chemistry	13
Dr. K.N. RamMohan	M.Sc, Ph.D.	Asst. Prof.	Inorganic Chemistry	11
Smt. R. Pushpalatha	M.Sc,	Asst. Prof.	Organic Chemistry	8
Smt. P. Chandrakala	M.Sc, B.Ed,	Asst. Prof.	Organic Chemistry	5
Kum. K. Thejaswini	M.Sc.,	Asst. Prof.	Organic Chemistry	1

Kum. E. Lakshmi	M.Sc,	Asst. Professor	Organic Chemistry	1
Smt. K. Ashwini	M.Sc,	Asst. Professor	General Chemistry	1

**8. Percentage of classes taken by temporary faculty – programme-wise information**

	Regular-%	Temporary/Guest faculty-%
I - Year B.Sc.,	90	10
II - Year B.Sc.,	90	10
III -Year B.Sc.,	90	15

**9. Programme-wise Student Teacher Ratio:**

B.Sc., -- 32:1  
M.Sc., -- 15:1

**10. Number of academic support staff (technical) and administrative staff: Sanctioned and filled: Four**

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**

**13. Research facility / centre with: Research centre with SK University recognition.**

**14. Publications: Six papers published/communicated**

**15. Details of patents and income generated: NIL**

**16. Areas of consultancy and income generated: NIL**

**17. Faculty recharging strategies: University Professors and senior faculty members of the other colleges are invited to deliver guest lectures for the students of U.G and P.G.**

**18. Student projects: 10% of students in-house projects including inter-departmental**

**19. Awards / recognitions received at the national and international level: NIL**

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any**

- A seminar on “MODERN TRENDS IN ORGANIC CHEMISTRY” on 20-3-2010
  - Prof. K. R. Prasad, IISC, Bangalore
  - Prof. C. Suresh, National college , Bangalore
  - Prof. K.J. Rajendra Prasad, Bharathiar University, Coimbatore.
- A workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” on 23-10-11
  - Dr.A.V.R. Reddy, Head Analytical Chemistry division BARC, Trombay, Mumbai
  - Prof. T. Sreenivasulu Reddy, S.K.U., Anantapur.
- Six day Workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” from 06.10.2012 to on 11-10-2012
  - Dr. K.V. Ramakumar, President BARC, Mumbai
  - Dr.A.V.R. Reddy, Head Analytical Chemistry division BARC, Trombay, Mumbai.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	200	63	121	85	87
M.Sc.,	SVURPGCET	11	12	82	84

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	30	66	4%	
M.Sc.,	32	64	4%	

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? CSIR (NET) QUALIFIED STUDENTS:**

- C.H.Chandrasekhar--- DEC-2010
- S. Murali Mohan Reddy---JUN-2011
- K. Anuja --- DEC-2011

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	40
PG to M.Phil.	10
PG to Ph.D.	5
Ph.D. to Post-Doctoral	-
Employed Campus selection Other than campus recruitment	-
Entrepreneurs	-

#### 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	50
from other universities within the State	30
from other universities from other States	20

#### 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Two: 1. M.Madhu Smitha and 2. K.N. Ram Mohan

#### 27. Present details about infrastructural facilities

- Library: 150 books
- Internet facilities for staff and students: Internet facility for staff only
- Total number of class rooms: U.G- 6 & P.G- 2
- Class rooms with ICT facility: NIL
- Students' laboratories: U.G- 3 & P.G- 3
- Research laboratories: 1

#### 28. Number of students of the department getting financial assistance from College:

90% of the students covered by govt. welfare scholarships/endowments/SBF

#### 29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

M.Sc., Analytical chemistry is an important branch of chemistry and has wide applications in the fields of Industry and Research laboratories. Hence the department requested the management to start Analytical chemistry course.

#### 30. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, all the members of faculty attend the board of studies meeting, every academic year with the outside experts in framing the curriculum, model papers and teaching evaluation methods. The faculty is satisfied with the decision taken in the board of studies ratified by the academic council.

- **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Student feedback abstracts on staff, curriculum and teaching – learning-evaluation are collected from all the students.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

Whenever the parents and the alumni met the department their suggestions are invited and the same are discussed in the Board of studies meeting. The department also tries to implement their valuable suggestions.

**31. List the distinguished alumni of the department (maximum 10)**

- Dr.C. Kesava Rao-Scientist, National Mineral Department Research Division, HYD
- Sri. B.Raghunatha Rao-- Principal, APRJC Chittoor.
- Sri. Abdul Rasool-- Lecturer, Sri Vignan Junior College, Guntur.
- Dr.K.ChandraSekhar Reddy-Associate Prof. of Physics, S.S.B.N. Degree College, A.T.P
- Kum.K. Thejaswini – Assistant Prof of Chemistry, S.S.B.N. Degree College , A.T.P.
- Raghunath Reddy-- Assistant Prof., Dept. of Computer Science, S.K.U. A.T.P.
- Prasanna Kumar-- R.D.T. in charge of Sports stadium, A.T.P.
- H. Ananda vardhan-- Assistant Prof. Dept. of Biochemistry, Dyanand Sagar Institutions , Bangalore
- M.C. Balanna-- Advocate, Notary-A.T.P.
- B. Narasimha Reddy-- Lecturer in chemistry, Govt. Degree College, Srikalahasti.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.—**

**Special Lectures---** Prof. P. Raveendra Reddy, Prof. V. Krishna Reddy, Prof. T.Sreenivasulu Reddy and Prof. G. Narayana Swamy from S.K. University. A.T.P.

**33. List the teaching methods adopted by the faculty for different programmes.---**

- |                             |                          |
|-----------------------------|--------------------------|
| 1. Lecture method           | 2. Demonstration         |
| 3. U.G: Charts, Models, OHP | 4. P.G: Models, OHP, LCD |

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Programme objectives are periodically reviewed in the departmental meetings. Learning outcome is monitored by conducting regular class tests and seminars.

**35. Highlight the participation of students and faculty in extension activities.**

Students are participating in N.C.C, N.S.S and other social activities.

**36. Give details of “beyond syllabus scholarly activities” of the department.— conducting a**

- A seminar on “MODERN TRENDS IN ORGANIC CHEMISTRY” on 20-3-2010
- A workshop on “RADIO CHEMISTRY AND APPLICATIONS OF RADIO ISOTOPES” on 23-10-11.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details. NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :**

**Strengths**

- Experienced staff members with research experience
- Highly motivated six young and energetic staff members.
- Guest faculty from the University and other colleges.
- Well established laboratories with sufficient Infrastructural facilities.

**Weaknesses**

- Absence of replacements of grant-in-aid teachers on their retirement.
- More students to each batch for practicals.
- Problem of medium for rural students.

**Opportunities**

- Conducting increased number of seminars and workshops.
- Scope to attend and present papers in National and International Conferences.

**Challenges**

- Recharging and retaining young teachers.
- Attracting quality students with innovative teaching practices.

**39. Future plans of the department:**

- Strengthening Research Centre to widen research work scope with interdisciplinary research projects.
- Collaboration research work with local pharma industry through MOUs.

## PROFILE OF THE DEPARTMENT

- 1. Name of the Department & Year of establishment:** Commerce and Business Management  
UG: B.Com-1981  
B.Com(Comp.App)-1993  
Management(BBM)-2009  
PG:- M.Com(General) 2012
- 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**  
B.Com (General) (T.M & E.M)  
B.Com (Comp)  
B.B.M  
M.Com.  
Accounting Executive (Tally9.0) certificate course
- 3. Interdisciplinary courses and Departments involved**  
IDE (Elements of Financial Accounting and Introduction to Management For the students of MECS, and MPCS.
- 4. Annual/ Semester/Choice based credit system:** Semester system
- 5. Participation of the department in the courses offered by other departments:** Curriculum development, Instruction and Evaluation
- 6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	4	4
Asst. Professors	6	6
Guest Faculty	-	1

**7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. /M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. K.Nirmalamma	M.Com., M.Phil., Ph.D.	Principal/ Associate Professor	Cost Accounting	31
Sri. P. Ravi Sankar	M.Com., M.Phil.,	Associate Professor	Banking and Advanced Accounting	28
Dr. N. Ravi Sankar	M.Com., M.B.A., Ph.D	Associate Professor	Financial Accounting II and Operations management	28
Dr.J. Polappa	M.A.,M.Com., M.B.A.,BL, PGDCA, M.Phil., Ph.D	Associate Professor	Financial Accounting and Human Resource Management	21
Smt. R.R.D. Sireesha	M.Com.,	Asst. Professor	Business Law, Income Tax	7
Sri.B. Areef Basha	M.Com., (professional)	Asst. Professor	Financial Management and Management Accounting	4
Sri. P. Dadapeer	M.B.A., M.Com.,	Asst. Professor	Marketing & Finance	3
Sri. N.V. Siva kumar	M.Com., (professional)	Asst. Professor	Computer Awareness, and Company Law	1
Miss. Reshma	M.B.A.,	Asst. Professor	Business Communication and BDPS	1
Miss. D. Sowjanya	M.B.A.,	Asst. Professor	Secretarial Practice and Marketing Management	1
Dr. Y.V. Ramavani	M.Sc., M.B.A., Ph.D.,	Guest faculty	Human Resource Management and Strategic Management	3

**8. Percentage of classes taken by temporary/Guest faculty – programme-wise information: B.Com -5% : BBM -20% : M.Com - 10%**

**9. Programme-wise Student Teacher Ratio**

B.Com – 80:1

BBM -- 45:1

M.Com— 17:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled: NIL**

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Total grants received: NIL**

**13. Research facility / centre with: NIL**

**14. Publications:**

- Number of papers published : 18
- Number of papers presented : 11
- Number of Books published : 03

**15. Details of patents and income generated: NIL**

**16. Areas of consultancy and income generated:** Free consultancy in Accountancy and Organizational Management Issues

**17. Faculty recharging strategies :**

- Participation in orientation, refresher courses conducted by Academic staff colleges.
- Participating in national seminars, workshops.
- Extending consultancy services.

**18. Student projects**

- Percentage of students who have done in-house projects including inter-departmental BBM – 100%. B.Com – 10%
- percentage of students doing projects in collaboration with industries / institutes NIL

**19. Awards / recognitions received at the national and international level by**

- **Faculty** : Dr. K. Nirmalamma, (Best Teacher Awardee in 2005)
- **Students** : Kum. K. Jhansi (Best NSS volunteer by the State Government in 2012)

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any :**

A Seminar on: Dynamics of Entrepreneurship Development in 21st Century

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Com (General)	307	88	51	62	68
B.Com (Comp. Applications)	198	38	36	70	72
BBM	98	41	14	85	74
M.Com	48	29	18	-	-

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Com(Gen)	10%	90%		--
B.Com(Comp)	10%	90%		--
B.B.M		99%	01	--
M.Com	5%	95%		--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NIL**

**Student progression**

Student progression	Percentage against enrolled
UG to PG	75 %
PG to M.Phil.	--
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	10 %
• Other than campus recruitment	20 %
Entrepreneurs	05 %

**24. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	90%
from other universities within the State	10%
from other universities from other States	--

**25. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period, Ph.D. work in progress: 2 members Ph.D. work in progress.**

**26. Present details about infrastructural facilities:**

- a. **Library (central):** 1500
- b. **Total No. of books in Departmental Library:** 250
- c. **Internet facilities for staff and students:** Yes
- d. **Total number of class rooms:** 10
- e. **Class rooms with ICT facility:** NIL
- f. **Students' laboratories:** 01
- g. **Research laboratories:** NIL

**27. Number of students of the department getting financial assistance from College:**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**28. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

Yes. The need assessment exercise in respect of starting B.Com Computer Applications, BBM and M.Com., courses was undertaken in the form of opinion gathering from the industry, academicians and alumni. The experiences of the colleges offering this course were consolidated.

**29. Does the department obtain feedback from**

- From the students and colleagues. On the basis of feedback obtained the department brings the changes in curriculum.
- The students are at liberty to express their views on each topic delivered. Hence it is a continuous feedback on staff; so that a teacher can continually adjust and improve his/her work. The information is analyzed, interpreted and discussed in staff meetings and flaws are rectified.
- **Alumni feedback:** suggestions are invited from the alumni individually and from groups. The department invites alumni to interact with the present students and suggestions are taken on curriculum, teacher and learning capacities of students which are used in strengthening of the department.
- **Employer Feedback:** As the college is managed by a trust, the Correspondent and the Secretary of the college continuously monitor the department. Staff meetings are conducted frequently. Results, student progress, discipline, requirements of the department, departmental involvement in strengthening the college as a unit. Suggestions and instructions are given to the department or an individual faculty member. The same are followed by the department.

**30. List the distinguished alumni of the department:**

- Mr.K.Aravinda Rama (C.A) : Practicing CA
- Mr.Ramakrishna Reddy (Lawyer) : Law Practitioner in District Court
- Mrs.Kalyani (Entrepreneur) : Hema Granite Industries
- Mr.Raghunath (Entrepreneur) : Super Store in New Municipal Complex
- Mr.Mallareddy (Lawyer) : Law Practitioner in District Court
- Mr.Viswanath Reddy (Entrepreneur) : Granite Business in Anantapur
- Mr.Subbanaidu ( Employee) : Employee in South Central Railways
- Mr. Arun ( Entrepreneur) : Mobile Store in Anantapur
- Mr.K.P.Manoj Kumar Reddy : HR Executive

**31. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts:**

Organizing Guest, Lecturers and student seminars

- Importance of Demand forecasting – Prof.K.Rama Krishna Reddy Vice-Chancellor, S.K. University, Anantapur.
- Gap Analysis and Conflict Management—Sri Guha, CEO Auditing of Operations, Coffeday, Kolkata
- Indian Economy and Career -- Sri Selva Kumar Varadarajan, Student mentor, BSBS, Bangalore
- Foreign Direct Investment Issues—Prof.G.Satyanarayana, Department of Economics S.K. University
- Product Decision, Product Mix, Product Line etc—Prof.K.Venugopal Rao, SKIM S.K.U
- Dealership Marketing, Competitive setup and Vendor Management—Sri Aditya Machani, CEO, Mahindra & Mahindra, Anantapur
- Profile of Granite Industry in Anantapur District—Smt Aparna Kalyani CEO, Hema Industries A.T.P
- Opportunities Knocking! Are you ready?—Kalyan Neriyanuri, Devp.Operations, Manager, H.P. Bangalore

**32. List the teaching methods adopted by the faculty for different programmes**

Teaching Methods – Lecture method, Interactive method, Project based method, Group discussions Assignments

**33. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- Conducting remedial classes for slow learners.
- Making the pupil to participate in Academics actively.
- Conducting Quiz, Seminars, Group Discussions.

**34. Highlight the participation of students and faculty in extension activities:**

NSS, NCC, Cultural Activities etc.

**35. Give details of “Beyond syllabus scholarly activities” of the department :**

Teaching faculty work as resource persons in other colleges, Additional Inputs in subjects are given.

**36. State whether the programme/ department is accredited/ graded by other agencies. Give details. NIL**

**37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:**

**Strengths**

- Expert lectures by eminent guest faculty and industry experts.
- Remedial classes to slow learners.
- Experienced and highly motivated faculty.

**Weaknesses**

- Absence of replacements of grant-in-aid teachers on their retirement.
- Low comprehensive skills of learners

**Opportunities**

- Scope to explore more MOUs with local business units.
- Room for more Industrial tours to expose the students.

**Challenges**

- Handling large classes
- Counselling socially, economically and educationally weak students
- Guiding Telugu medium students to complete study projects.

**38. Future plans of the department:**

- Proposal to start M.Com. Professional course.
- Research Centre in Commerce and Management
- Proposal to start the Master of Business Administration
- Proposal to start the Certificate Courses in emerging areas

## PROFILE OF THE DEPARTMENT

1. **Name of the Department** : COMPUTER SCIENCE
2. **Year of establishment** : 1993-1994
3. **Names of Programmes / Courses offered** :

Name of the course (UG)	Year of starting
MPCs	1993-1994
MECs	2003-2004
MSCs	2003-2004
B.Com (Computer Applications)	1996-1997
BBM	2010-2011

4. **Interdisciplinary courses and departments involved** :

- Interdisciplinary Elective – Functional ICT

5. **Annual/ semester/choice based credit system** : Semester
6. **Participation of the department in the courses offered by other departments:**
  - Curriculum development, Instruction and Evaluation
7. **Number of teaching posts sanctioned and filled : (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	6	6

8. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Sri. M. Murali Mohan Reddy	M.Sc.,PGDCSA, M.Phil., (Ph.D)	HOD & Asst. Prof.	Digital Electronics, Adhoc Networks& Data	19

Name	Qualification	Designation	Specialization	No. of Years of Experience
			Warehousing	
Smt.K.Devakimani	M.Sc., PGDCA	Asst. Professor	Data Structures	12
Sri.S.Gururaja Rao	M.Sc., PGDCA, M.C.A. M.Phil	Asst. Professor	Data Mining	12
Sri. M. Vishnuvardhan Reddy	M.C.A.	Asst. Professor	.NET programming	03
Smt. A. Apsara Banu	M.C.A.	Asst. Professor	Networks	03
Sri. P. Jagadish Gupta	M.C.A.	Asst. Professor	Internet Technologies	02

#### 9. Percentage of classes taken by temporary faculty – programme-wise information

In all programmes near 10% syllabus is covered by eminent guest faculty from the industry to give real time exposure to the students on practices and technology used in the industry.

#### 10. Programme-wise Student Teacher Ratio

Name of the Programme	Student – Teacher Ratio
MECs	55:1
MPCs	60:1
MSCs	60:1
B.Com (CA)	55:1
BBM	55:1

**11. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
Academic support staff (Technical)	2	2
Administrative staff	2	2

**12. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. NIL**

**13. Departmental projects funded by DST-FIST; DBT, etc.; total grants received NIL**

**14. Research facility / centre with NIL**

**15. Publications:**

- Number of papers published in peer reviewed journals (national / international) - 3

**16. Details of patents and income generated NIL**

**17. Areas of consultancy and income generated NIL**

**18. Faculty recharging strategies**

- Workshops and Seminars
- Faculty enrichment programs
- Consultancy Services and Real time projects

**19. Student projects**

- Percentage of students who have done in-house projects including inter-departmental – 20%
- Percentage of students doing projects in collaboration with industries / institutes – 5%

**20. Awards / recognitions received at the national and international level:**

NIL

**21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- 16 days Workshop on functional ICT to the 30 staff members (both teaching and non-teaching) of Sri Sai Baba National Degree College.

## 22. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MPCs	102	41	37	80	86
MECs	175	40	33	85	95
MScs	112	28	37	95	96
B.Com (CA)	332	37	37	80	85
BBM	65	41	14	83	87

## 23. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	85%	5%	-
B.Com (CA)	20%	75%	5%	-

## 24. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

- WASE (Wipro- BITS Pilani Partnership) – 18
- TCS Ignite - 19
- GATE – 11

## 25. Student progression

Student progression	Percentage against enrolled
UG to PG	70%
Employed	
• Campus selection	20%
• Other than campus recruitment	5%
Entrepreneurs	5%

## 26. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	80%
from other universities within the State	10%
from other universities from other States	10%

## 27. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. NIL

## 28. Present details about infrastructural facilities

- a) Library : **Reference library – Titles :: 200 Volumes :: 200**
- b) Internet facilities for staff and students:  
**BSNL 10mbps NME-ICT project internet connection**
- c) Total number of class rooms : **3**
- d) Class rooms with ICT facility : **2**
- e) Students' laboratories : **3**
- f) Research laboratories : **NIL**

## 29. Number of students of the department getting financial assistance from College:

- 90% of the students covered by govt. welfare scholarships.

## 30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

- All the programs in the Department started after obtaining through feedback from all stakeholders and need assessment exercise based on demand ratio.

## 31. Does the department obtain feedback form

### a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

All the faculty members of the department as the members of the Board of Studies participate in the discussions about curriculum and teaching-learning-evaluation before passing resolutions and forward them to the academic council for approval.

### b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Department conducts the teacher evaluation by students with an anonymous feed-back form in regular intervals apart from the teacher-student in-formal interactions to obtain feedback. The students are allowed to express their independent views on teachers' performance and curriculum, the faculty of the department analyses the feedback meticulously for any initiatives necessary in the matter.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

The department has various channels viz. comments on college facebook page, e-mails and chats to collect and document responses on curriculum from the alumni. The suggestions and views regarding the improvement in the curriculum presented to the members of Academic Council after through discussions in the BOS for its approval with or without modifications. As a result of this 360° feedback, our curriculum reflects the recent modern trends and enables our learners to meet the emerging needs and face the global challenges.

**32. List the distinguished alumni of the department (maximum 10)**

- D. Madhusudhan Babu (Techdemocracy LA, USA)
- P. Raghavendra Prasad (National Blood Service, London, UK)
- D. Raghavendra (Project Lead, Dallas, Texas, USA)
- N.Anjan Reddy (Software Engineer, Miami, Florida, USA)
- C.Gayathri (System Analyst, Australia)
- M.T.Venkata Subbaiah (Baltimore, Maryland, USA)
- P. Arunkumar Reddy (Project Lead, USA)
- K. Krishnaveni (Project Lead, USA)
- C.V.Shyam Kumar (Goldman Sachs, Bangalore)
- S. Seshi Kiran Gupta (Wipro Technologies, Bangalore)
- K. Ramana Kumar (CRL., Pune)
- P. Yesurathnam Babu (Relience Communications, Hyderabad)
- R. Ramnath (MahindraSatyam, Hyderabad)
- G. Naveen Kumar (Assistant Manager, Vodafone Essar Ltd., Pune)
- Khajapeer Mulla (Tata Consultancy Service, Hyderabad)
- C.Narasimha Reddy (Sr. Associate @ Cognizant, Bangalore)
- M.Raghavendra (NTT Data Americas, Hyderabad)
- K.Saran Kumar (Sr. Test Analyst, Collabera, Bangalore)
- S.Sravan Kumar (IT Analyst Tata Consultancy Services, Hyd.)
- R.Sreenath (Aricent Technologies, Bangalore)
- Nagarjuna Gowd (TCS, Bangalore)
- T.Lokeswar Reddy (Oracle, Hyderabad)
- B.M.Nanda Gopal (TCS, Hyderabad)
- Anantha Hari Babu (Associate, India Theatrical Distribution ,Hyd.)

**33. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

- Student workshop on e-content development by external experts
- Special lecture on Cloud Computing by G. Naveen Kumar, Assistant Manager, Vodafone Essar Ltd.,
- Special lecture on JQuery – New kind of java script library by B.M.Nanda Gopal (TCS)

- Student workshop on Software Project Management Cycle
- Student workshop on website design and development
- Student workshop on Using DHTML and CSS in website design and development
- Workshop on Search engines and browsers – Google Chrome VS Microsoft IE
- Student seminar on Mobile Apps - design and development

**34. List the teaching methods adopted by the faculty for different programmes.**

- Class room teaching through PPTs, Slides, Flow charts and audio visual teaching aids ( for examples and experiments)
- Presentation by a panel of teachers or students
- Webcasts and Podcasts
- Debate on current issues by students
- Adobe E-learning suite
- Textbook assignments, Reading assignments in journals and supplementary books
- Gaming and Simulation

**35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- Slip tests, seminars and interactive sessions to monitor learning outcomes
- Remedial classes for slow learners

**36. Highlight the participation of students and faculty in extension activities.**

Students and faculty of the department are actively participating in various extension activities of two social arms of the college – SAGE and WEC viz. participating in health camp, Blood donation camp, clean and green programme, campus beautification programme, traffic control assistance conducted by college and other local Non-Governmental Organisations.

**37. Give details of “beyond syllabus scholarly activities” of the department.**

- Workshops and seminars with experts from industry.
- Interactive sessions with alumni who are settled as Project Leads in IT Industry.
- Presentations on emerging trends in the industry by panel of experts.
- Peer awareness programs on functional ICT

**38. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

No

### **39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

SWOC Analysis is a strategic planning methodology used in the department to evaluate the Strengths, Weaknesses, Opportunities, and Challenges.

#### **Strengths**

- Focus on soft skills and Industry-relevant curriculum
- Remedial coaching for slow learners and participants in extra-curricular activities.
- Beyond syllabus inputs to advanced learners.
- State-of-the-art laboratories, ICT centre and E-classrooms
- Well stocked departmental library and other learning facilities.
- Student-centered teaching-learning practices.
- Highly motivated, committed and dedicated experienced teaching faculty and technical staff.
- Eminent visiting faculty for beyond syllabus coverage for better vertical mobility.
- Evaluation of teachers by the students and alumni.

#### **Weaknesses**

- Gap between target and practice in adopting multidimensional innovative teaching methods.
- Moderate comprehensive skills of students
- Deteriorating book reading habit

#### **Opportunities**

- Providing necessary parallel inputs and orientation for career planning.
- Counselling by professional career counsellors.
- Promoting interactive teaching-learning practices.
- Moving towards case based teaching-learning.
- Effective addressing the needs of differential requirements.
- Use of web technology for student and teacher progression

#### **Challenges**

- Mitigating external interferences to adhere to academic schedule.
- Difficult to integrate the teaching-learning practices with fast changing needs of industry.
- Mitigating attention-span deficiency of learners

### **39. Future plans of the department.**

- Stating of PG courses in Industry-Academia Collaboration
- Establishment of a Research Centre
- Preparing proposals for real-time Open source E-governance projects as consultancy service
- Work for UGC major and minor research projects
- Introduction of self-employable add-on courses
- Deploying a large-scale campus-wide Wi-Fi (WLAN) for mobile computing devices.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment** Economics, 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
B.A. Economics, B.Com (Business Economics)
3. **Interdisciplinary courses and departments involved** Interdisciplinary Elective – Principles of Economics
4. **Annual/ semester/choice based credit system:** Semester System
5. **Participation of the department in the courses offered by other departments:** Yes. The Department participates in the curriculum design and development of Business Economics subject of B.Com and BBM courses.
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	01	01

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. R. Karunakar Reddy	M.A., Ph.D. M.Phil.,	Associate Professor	Micro and Macro Economics	31
Madhu Sudhan	M.A.,	Asst. Professor	--	1

8. **Percentage of classes taken by temporary/Guest faculty**  
5% of classes by guest faculty
9. **Programme-wise Student Teacher Ratio** 1:70
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled** NIL
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.** NIL
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** NIL
13. **Research facility / centre with** NIL

14. **Publications:** NIL

15. **Details of patents and income generated** NIL

16. **Areas of consultancy and income generated** NIL

17. **Faculty recharging strategies**

- Participation in orientation, refresher courses conducted by Academic staff colleges.
- Participating in national seminars, workshops.

18. **Student projects** NIL

19. **Awards / recognitions received at the national and international level** by  
NIL

20. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**  
NIL

21. **Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage		Total
		Male	Female	Male	Female	
B.A	150	28	34	90	85	87

22. **Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A		100%		

23. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?** NIL

24. **Student progression**

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	05
PG to Ph.D.	05
Ph.D. to Post-Doctoral	--
Employed <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	--
Entrepreneurs	--

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	<b>100%</b>
from other universities within the State	--
from other universities from other States	--

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.** NIL

**27. Present details about infrastructural facilities**

**Library:** 01

**Internet facilities for staff and students :** 01

**Total number of class rooms:** 03

**Class rooms with ICT facility:** NIL

- Students' laboratories: NIL
- Research laboratories: NIL

**28. Number of students of the department getting financial assistance from College.** 90% of students covered by govt. scholarships/endowments/SBF.

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** NIL

**30. Does the department obtain feedback from**

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?** Yes
- **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?** Yes
- **Alumni and employers on the programmes and what is the response of the department to the same?** Yes

**31. List the distinguished alumni of the department (maximum 10)**

- Sri G.Venkata Ramudu Selected by APPSC Group I Services – DSP
- Sri S.Intiyaz Ahamed selected by APPSC Group II Services – Tahasildar
- Sri S.Adimurthy selected by PRB – CI of Police
- Sri Subramanyam selected by APPSC – Deputy Tahasildar
- Sri Deelip Kumar selected by DSC – School Assistant
- Sri K.Ramu selected by DSC – School Assistant
- Miss Triveni selected by APPSC - Government Degree College Lecturer
- Miss Geetha Bala – Lecturer SSS Deemed University, Anantapur
- Sri S.Ismail selected by A.P. State Government – Registration Department
- Sri S.L.N.Varaprasad – Senior Advocate

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.** Special Lectures

**33. List the teaching methods adopted by the faculty for different programmes.** Board, teaching aides, Student Seminar, LCD, OHD, Lecture Method

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?** Interlinked

**35. Highlight the participation of students and faculty in extension activities.**

NCC, NSS, Red-Ribbon, Red-Cross, Sports

**36. Give details of “beyond syllabus scholarly activities” of the department.**

NIL

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.** NIL

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Senior faculty with Ph.D.,
- Infrastructure.
- Academic ambience
- Remedial classes for slow learners

**Weaknesses**

- Low comprehensive skills of learners

**Opportunities**

- To conduct seminars / workshops to go on educational, Industrial tours

**Challenges**

- Making students understand the subject as there are more number of students in classes

**39. Future plans of the department.**

- To continue the same innovative teaching methods to with new ideas and methods to improve the quality of the students.
- To resume B.A English medium course.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department and its year of establishment:** Electronics : UG: 1995; PG: 2002
2. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc) :**  
UG : MECs PG : M.Sc., Electronics and Communications
3. **Interdisciplinary courses and departments involved:** Interdisciplinary Elective – Electronics in daily life.
4. **Annual/semester/choice based credit system:** SEMESTER SYSTEM
5. **Participation of the department in the courses offered by other departments:** Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	03	03

7. **Faculty profile with name, qualification, designation, specialization (D.Sc., /D.Litt. /Ph.D. / M.Phil., etc):**

Name	Qualification	Designation	Specialization	No. of years of experience
Dr.C.Saritha	M.Sc.,Ph.D.,	Asst.Prof.	Embedded Systems	07
Dr.V.Sukanya	M.Sc.,Ph.D.,	Asst. Prof.	VLSI Design	07
K.Nalanakshi	M.Sc.,	Asst.Prof.	Electronics	01

8. **Percentage of classes taken by temporary faculty programme wise information:**

	Regular	Temporary/Guest
B.Sc.,	90	10
M.Sc.,	80	20

9. **Programme wise student teacher ratio :**

Programme	Student teacher ratio
B.Sc.,	36:1
M.Sc.,	25:1

**10. Number of academic support staff (technical) and administrative staff : Sanctioned and filled**

Sanctioned: Two Filled : Two

**11. Number of faculty with on-going projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project wise. NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR etc total grants received : NIL**

**13. Research facility / centre with: S.K.University recognized research center (2009)**

**14. Publications:**

Name of the Faculty	National Journals	International Journals
Dr. C. Saritha	5	2
Dr. V. Sukanya	5	2

**15. Details of patents and income generated : NIL**

**16. Areas of consultancy and income generated : NIL**

**17. Faculty recharging strategies :**

- Conducting National workshops and seminars, participating in Oriental programmes, Refresh courses, and Symposia conducted by various colleges, Universities and research institutions.
- Accompanying students in educational tours to research institutions like SKU, JNTU, Radio station, TV station and industries like ROOPANA GUDI Power systems, Hyderabad, BCS innovations, Bangalore etc.,

**18. Student projects :**

- Percentage of students who have done in-house projects including inter-departmental : 100%
- Percentage of students doing projects in collaboration with industries / institutes : NIL

**19. Awards / recognitions received at the national and international level by  
NIL**

**20. Seminars / Conferences / Workshops organized and the source of funding (national / international ) with details of outstanding participants, if any,  
NIL**

**21. Student profile course-wise :**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	80	39	33	85	87
M.Sc.,	SVURPGCET	09	18	82	84

**22. Diversity of students :**

Name of the course (refer question no.2)	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
M.Sc. Electronics & Communications	8	90	2	--
M.Phil.	15	85	--	--

**23. How many students have cleared Civil services, Defence services, NET, SLET, GATE and any other competitive examinations?**

1. GATE: 4      2. NET: 5      3. Other competitive: 16

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	75
PG to M.Phil.,	12
PG to Ph.D.,	6
Ph.D. to Post Doctoral	---
Employed	
Other than campus recruitment	35
UG	
PG	85

## 25. Diversity of staff

Percentage of faculty who are graduates	
Of the same parent university	100
From other universities within the state	----
From other universities from other states	----

**26. Number of faculty who were awarded Ph.D., D.Sc., and D.Litt. during the assessment period:** TWO

## 27. Present details about infrastructural facilities

- a) Library : 283
- b) Internet facilities for staff and students : Staff and Research scholars
- c) Total no. of class rooms : UG – 1 PG – 2
- d) Class rooms with ICT facilities : NIL
- e) Students laboratories : UG – 2 PG – 3
- f) Research laboratories : ONE

**28. Number of students of the department getting financial assistance from college :**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new programs? If so, give the methodology :** NIL

## 30. Does the department obtain feedback from

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, as the institution is a autonomous one, the faculty of the department along with the outside experts frame their curriculum and evaluation methods in its Board of studies meeting. The same will be placed before the Academic council and the department will bring the changes in curriculum or evaluation methods, if suggestions are given by Academic council.

- **Students on staff, curriculum as well as teaching learning evaluation and what is the response of the department to the same.**

Yes, the department gets the feedback from the students on staff, curriculum and teaching learning evaluation. The suggestions made by students are discussed in the departmental review and modifications are considered, if necessary.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

Yes, the department invites alumni to interact with the department and present students and suggestions are taken on curriculum, teaching methods and are used in boosting up the department.

**31. List the distinguished alumni of the department (maximum 10)**

1. Smt. K. Sudhamadhuri –Software Engineer , INFOSYS, Hyd.,
2. Smt. G. Swarna Gowri—Embedded Engineer, USA.
3. Smt. G. Nazeema Tasneem, Design Engineers, SIP Sense technologies, Bangalore.
4. K. Krishna kumar, Design Engineer, Tech Mahendra ,Hyd.,
5. Dr. C. Saritha – Lecturer, S.S.B.N Degree College, Anantapur.
6. Dr. V. Sukanya – Lecturer, S.S.B.N Degree College, Anantapur.

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

Expert lectures by guest faculty :-

1. Prof K. Malakondaiah, S.K.U. ATP.
2. Prof K. Soundara Rajan, Principal, JNTU , ATP.
3. Sri. Md. Iftqar, AAS Technologies, Hyd.,
4. Prof. P. Narasimha Reddy, S.V.U , Tirupati.
5. Prof. B.V.S. Goud, Acharya Nagarjuna University, Guntur
6. Prof. K. Venu, University of Hyderabad, Hyderabad.
7. Sri. Basavaraj, BCS Solutions , Bangalore
8. Prof. K. Bhaskar, Gulberga University, Raichur.

**33. List the teaching methods adopted by the faculty for different programmes.**

- Apart from the regular teaching method, modern teaching aids like OHP and LCD, PPTs, demonstration methods are used.
- Involvement of students in study projects, seminars, assignments, quiz programs and study tours.

**34. How does the department ensure that programme objectives constantly met and learning outcomes monitored?**

- Learning outcome is monitored by conducting slip tests, internal exams, seminars, quiz and group discussions.
- Remedial coaching offered for slow and disadvantaged learners

**35. Highlight the participation of students and faculty in extension activities.**

- Students of the department are actively participating in various extension activities like doing Mini projects and participating in health camp, Blood donation camp, clean and green programme, campus beautification

programme, traffic control assistance conducted by college and other N.G.O's and also in all the events conducted outside the college.

- Faculty: The faculty of the Department always attempts to implement the innovative ideas in to reality by developing low cost devices which are useful for the students & Teachers. Preparing the question banks for various entrance examinations for the students etc.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

- “NATIONAL WORKSHOP ON EMBEDDED SYSTEMS AND APPLICATIONS” organized by the department on 4-2-2007.
- “NATIONAL SYMPOSIUM ON RECENT TRENDS IN VLSI DESIGN” organized by the department on 12<sup>th</sup> &13<sup>th</sup> April, 2008

**37. State whether the programme / department is accredited / graded by other agencies. Give details. NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**

**Strengths**

- Two experienced staff members with Ph.D.
- One young and energetic staff member
- Conducting guest lectures with professors of other universities
- The department has well established laboratories with sufficient infrastructural facilities.
- United efforts of the staff.

**Weaknesses**

- Low comprehensive skills of learners
- Lack of long standing faculty.

**Opportunities**

- Establishment of another electronics lab for UG third year students
- Conduct of national/international seminars/conferences
- Add on courses to strengthen the student employability

**Challenges**

- Time management to complete syllabi and practicals due to bandhs, strikes and unwanted interruptions.
- Enforcing strict discipline and cent percent attendance
- Encourage student to prepare for competitive exams like PG entrance exams, NET/SET, GATE, groups, bank exams etc.

**39. Future plans of the department :**

- Improvement of the Research centre
- The department is planning to conduct a two day seminar on “Applications of digital signal processing”.
- To establish a linux lab for PG students
- Planning to collaborate with industries/institutions.
- Planning to start interdisciplinary certificate courses.

## EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department & its year of establishment:** English, 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
B.A, B.Com, B.Sc., BBM.,
3. **Interdisciplinary courses and departments involved Interdisciplinary component :** Soft Skills
4. **Annual/ semester/choice based credit system** Semester System
5. **Participation of the department in the courses offered by other departments**
  - Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	2	2
Asst. Professors	4	4

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.K.Gopal Reddy	M.A., M.Phil., Ph.D.	Associate Professor	Indian Novel in English	21
Dr. U. Venkata Ramana	M.A., M.Phil., Ph.D., B.Ed.	Associate Professor	African Drama in English	21
Smt. B. Anuradha	M.A., M.Phil.	Assistant Professor	Indian Writing in English	11
Sri. S. Narayana Swamy	M.A.	Assistant Professor	American Literature	15
Sri. S.A. Aleem Azmi	M.A.	Assistant Professor	Common Wealth Literature	14
Sri B. Kesava Reddy	M.A.	Assistant Professor	Indian English literature	12

8. **Percentage of classes taken by temporary faculty – programme - wise information:** 10% by guest faculty
9. **Programme-wise Student Teacher Ratio:** 50:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled Lab Technician:** One
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.** NIL
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL
13. **Research facility / centre with:** NIL
14. **Publications:**
  - Number of papers published in peer reviewed journals (national / international)  
Dr. K. Gopal Reddy – 2      Dr. U. Venkata Ramana - 2
15. **Details of patents and income generated:** NIL
16. **Areas of consultancy and income generated:** NIL
17. **Faculty recharging strategies**  
Orientation Courses, Refresher Courses, Train the Trainer Programmes, Participation in Seminars and Paper Presentations, Guest Lectures from outside Experts
18. **Student projects**
  - percentage of students who have done in-house projects including inter-departmental 5%
  - percentage of students doing projects in collaboration with industries / institutes 2%
19. **Awards / recognitions received at the national and international level**  
NIL
20. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**  
A National Seminar on English Language Teaching Sponsored by APSICHE, Hyderabad, 30 -31 January, 2010.
  - Prof. C.R. Visweswara Rao, Vice-Chancellor, V.S.University, Nellore.
  - Prof. V.V.N.Rajendra Prasad, Dept. of English S.K.University, Anantapur.
  - Prof. P. Obula Reddy, Dept. of English S.K.University, Anantapur.
  - Prof. S. Mohanraj, Professor of English, EFLU, Hyderabad.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	910	429	434	75%	78%

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG	10%	90%	--	--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NIL**

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	50
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	05
• Other than campus recruitment	20
Entrepreneurs	

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	65 %
from other universities within the State	35%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. NIL**

**27. Present details about infrastructural facilities**

a) Library	:	YES
b) Internet facilities for staff and students	:	YES
c) Total number of class rooms	:	18
d) Class rooms with ICT facility	:	NIL
e) Students' laboratories	:	ONE
f) Research laboratories	:	NIL

**28. Number of students of the department getting financial assistance from College.**

- 90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NA**

**30. Does the department obtain feedback from**

- **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, as the institution is an autonomous one, the staff, along with outside experts, prepares in the BOS meeting the syllabi, Model Papers and Evaluation Methods and presents them in the Academic Council for approval. The faculty expresses satisfaction over the syllabi, model papers and evaluation methods. The department utilizes the curriculum and the teaching learning evaluation methods for the maximum benefit of students.

- **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Some students feel that there should be scope for students to participate in the classroom activities such as debates, discussions, seminars etc. The faculty, accordingly, has been conducting group discussions, seminars and debates. With regard to the curriculum, they feel that the syllabi should be to improve their communication skills. So the department has allotted a special hour per week to improve communication skills of students using the language lab. With regard to evaluation methods they are satisfied. On the whole they are benefited with the methods of teaching of the staff and curriculum.

- **Alumni and employers on the programmes and what is the response of the department to the same?**

The Alumni feel that they have learnt English from the department and the department often makes it a point to invite them to the college interact with the present students and know the present status of teaching in the college. Their feedback on the department is taken into consideration for the use of the department. The employers (the Management) feel that the department has been working satisfactorily for both the progress of the college and the improvement of the students.

**31. List the distinguished alumni of the department (maximum 10)**

1. Dr. B. Thriveni, Lecturer in English, K.T.S.N. Govt. Degree College, Kadiri.
2. Sri B. Venkateswarulu, Lecturer in English, SSGS Degree College, Guntakal.
3. Mr. G. Venkata Ramudu, Deputy Superintendent of Police.
4. Mr. K. Sreenath, Asst. Manager, Quality Assurance NATCO Pharma Ltd. Hyd
5. Sri. J. Sreenivasulu, Advocate A.P. High Court, Hyd.
6. Smt. K. Annapurna, Prohibition and Excise Inspector, Anantapur.
7. Dr. C. Kesava Rao, Scientist R & D, NMDC, Hyderabad.
8. Sri B.M. Fiyaz Basha, Jr. Lecturer in English, Govt. College for Boys, Atp
9. Sri C. Venkata Ramana, Divisional Accountant, The Oriental Insurance Co.Limited Atp.
10. Sri B. Sanjeev, Network Engineer, Pioneer e-labs Pvt.Ltd. Hyd

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

- A Guest Lecture on Stress and Intonation by Prof. V.V.N.R. Prasad, S.K.U. Anantapur
- A Guest Lecture on grammar by Dr. R.K. Naidu, SSGS Degree College, Guntakal.
- A Guest Lecture on Phonetics by Dr. G. Sreenivasulu, SDGS Degree College, Hindupur.
- A Personality Development Programme by Dr. M. Sudharsan Rao, Hyderabad.

**33. List the teaching methods adopted by the faculty for different programmes.**

1. Lecture Method
2. Interactive Method
3. The use of LCD Projector for teaching
4. The use of charts for teaching grammar and phonetics

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By taking feedback from the students. The progress of the students is continuously monitored through classroom interaction, discussions, internal assessments etc.

**35. Highlight the participation of students and faculty in extension activities.**

**Students**

The students of the college participate in extension activities such as clean an green programmes, blood donation camps, plantation besides participating in academic activities like essay writing, elocution competitions, quiz programmes outside the campus.

**Faculty**

**1. Dr. K. Gopal Reddy acted as a resource person**

- To teach stress and intonation for High School English teachers at Dharmavaram
- To teach grammar for 3 weeks for school teachers of St. Joseph High

School (English Medium) at Anantapur

- To teach English grammar for the Clerical employees of APG Bank, Anantapur for a week as part of a training programme for them.
- To teach present tense for Degree College Lecturers at Government Degree College, Anantapur as part of a training programme for them.
- He was a Chief Guest on the Parent's Day at St. Joseph English Medium High School, Anantapur.
- He was also a Chief Guest at Sri Narayana Concept School, Ramnagar, Anantapur on the occasion of their starting Communication Skills Club.

**2. Dr. U. Venkata Ramana delivered lectures in training programmes for college teachers, bank employees, NSS meetings.**

- As an NSS Programme Officer, organized various awareness programmes for the students on the ill-effects of ragging, eve-teasing, dowry system, moral values, literacy, seasonal diseases etc. voluntary blood donation.
- Promoted the sense of social service among the students by involving them in clean and green programmes, laying the roads, educating the villagers on illiteracy, superstitions and seasonal diseases during the two NSS Special Camps organized at the adopted village Siddharampuram in November 2010 and January 2011.
- Organized free dental, eye and blood grouping camps under the banner of Sage in the Siddarampuram village under the college social arm, Saibaba Allied Grameen Empowerment (SAGE) in 2010 and 2011.
- Organized free eye camp for the senior citizens of Siddharampuram Village involving – club, Anantapur.
- Organized blood donation camps at Indian Red Cross Society, Anantapur since 2008.
- Have been organizing awareness camps for women students on domestic and various forms of violence against women in association with voluntary organizations like Rural Environment Development Society (REDS), Anantapur since 2008.
- Have been organizing gender-sensitizing programmes for women students since 2009.
- Underwent a three day training programme on “Youth for Gender Equity” at National Rajiv Gandhi Institute of Youth Development (NRGIYD), Sriperumbudur, and Tamilnadu in November 2011.
- Represented S.K. University as a Contingent Leader at State Level NSS Youth Festival at Acharya Nagarjuna University, Guntur in February 2012.

3. Mr. S. Narayana Swamy has been conducting a programme for III year degree students related to Group-1 & Group – 2 and competitive examinations.

4. Smt. B. Anuradha has been actively participating in women empowerment programmes.

5. Mr. S. Aleem Azmi delivered lectures in training programmes for bank employees.

6. Mr. B. Kesava Reddy gives free lectures in some nursing colleges on grammar.

**36. Give details of “beyond syllabus scholarly activities” of the department. Involving students in seminars, group discussions, debates etc. The faculty often participate in National / International seminars/ Workshops and Present Papers. NIL**

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details. NO**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Well experienced faculty
- Three teachers with research degrees
- A well-equipped Language Lab.
- High student pass percentage
- United efforts of the faculty.

**Weakness**

- Not having all permanent faculty.
- Not having a special English course for B.A.
- Lack of research facility.
- Some teachers not having research experience.
- Some students not good at minimum English language skills.

**Opportunities**

- Introduction of special English course at U.G. Level.
- Establishment of another English Lab.
- Creation of an ELT Center.
- Creation of good Language Lab Library.
- Conducting National Seminars / Workshops

**Challenges**

- Enforcing strict discipline and 100% attendance in the classroom.
- Overcrowded classrooms.
- Making Telugu medium students conversant with LSRW Skills
- Time management to complete the syllabi within the time due to bandhs, strikes and unwarranted interruptions.
- Preparing the students for highly competitive examinations like civil services.

**39. Future plans of the department.**

- To get another language lab.
- To get special English course in B.A.
- To conduct a workshop for the high school English teachers.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment:** Hindi 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A, B.Com, B.Sc., (UG)
3. **Interdisciplinary courses and departments involved:** NIL
4. **Annual/ semester/choice based credit system:** Semester System
5. **Participation of the department in the courses offered by other departments** NIL
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	1	1

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Smt.G.Padmavathi	M.A.,H.P.T (Ph.D.)	Assistant Prof. in Hindi	Modern Lit in Hindi Women criticism	1 Year	-

8. **Percentage of classes taken by temporary faculty – programme - wise information:** 5% by Guest Faculty
9. **Programme-wise Student Teacher Ratio:** 25:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL

**13. Research facility / centre with NIL**

**14. Publications: NIL**

**15. Details of patents and income generated: NIL**

**16. Areas of consultancy and income generated: NIL**

**17. Faculty recharging strategies** Guest lecturers orientation & R.F courses

**18. Student projects: NIL**

**19. Awards / recognitions received at the national and international level by**  
NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding**  
**(national / international) with details of outstanding participants, if any.**

NIL

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	20	02	08	100	100

**22. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG	--	100%	--	--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

NIL

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	5%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed <ul style="list-style-type: none"><li>• Campus selection</li><li>• Other than campus recruitment</li></ul>	-
Entrepreneurs	

#### 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	NIL
from other universities within the State	S.V. University
from other universities from other States	NIL

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. --- NIL

#### 27. Present details about infrastructural facilities

- a) Library : YES
- b) Internet facilities for staff and students : YES (for Staff)
- c) Total number of class rooms : 3
- d) Class rooms with ICT facility : NIL
- e) Students' laboratories : NIL
- f) Research laboratories : NIL

28. Number of students of the department getting financial assistance from College.

90% of the students covered by govt. welfare scholarships/endowments/SBF

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NIL

30. Does the department obtain feedback from

Yes. The department gets the feedback from the students on staff and curriculum in regular intervals to assess and refocus.

31. List the distinguished alumni of the department (maximum 10): NIL

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

**Conducted Guest Lecturers inviting the Following.**

- M.Sasibhushanam .Rtd. Govt. Degree College. Lecturer in Hindi
- K Indumathi Rtd. Professor in S.S.S Deemed University.
- Sasankamouli Lecturer in Govt. Degree College.

**33. List the teaching methods adopted by the faculty for different programmes.**

- Lecture Method
- Interactive Method
- The use of charts for teaching grammar.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By taking feedback from the students.

**35. Highlight the participation of students and faculty in extension activities.**

All Students and staff participate in all the extension activities.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Involving students in seminars, group discussions, debates etc.

**37. State whether the programme department is accredited/ graded by other agencies. Give details: NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Academic ambience
- Remedial classes for slow learners

**Weaknesses**

- Low comprehensive skills of learners

**Opportunities**

- To conduct seminars / workshops to go on educational, Industrial tours

**Challenges**

- Making students understand the subject as there are more number of students in classes

**39. Future plans of the department.**

- To conduct a National Seminar.
- To strengthen the departmental library.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment** : History, 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters, Integrated Ph.D., etc.)** : B.A. History
3. **Interdisciplinary courses and departments involved** :
  - Interdisciplinary Elective – An Introduction to Indian History
4. **Annual/ semester/choice based credit system** : Semester
5. **Participation of the department in the courses offered by other departments** :
  - Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professor	01	01
Asst. Professor	01	01

7. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. M. Nazeer Ahamed	M.A., M.Phil, Ph.D., DLSG	Associate Professor	Freedom Movement and Archaeology	30
Smt Y. Prameela	M.A.,	Assistant Professor	Indian History & European History	14

8. **Percentage of classes taken by temporary guest faculty – programme-wise information:** 5% by Guest Faculty
9. **Programme-wise Student Teacher Ratio:** 70:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL

13. Research facility / centre with: NIL

14. Publications: 05 papers

15. Details of patents and income generated: NIL

16. Areas of consultancy and income generated: NIL

17. Faculty recharging strategies: NIL

18. Student projects

- percentage of students who have done in-house projects including inter-departmental
- percentage of students doing projects in collaboration with industries / institutes 100% **Students working for Archaeology Project Work.**

19. Awards / recognitions received at the national and international level by

- **Faculty** : Received A.P. State level Best Teacher Award by Dr.M. Nazeer Ahamed in 1997.

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

NIL

21. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage		Total
		Male	Female	Male	Female	
B.A	70	28	34	90.48	85.19	87.50

22. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG	25%	75%	--	--

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

- APPSC, Group – I and Group – II services and DSC – 28 members.

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	60%
PG to M.Phil.	30
PG to Ph.D.	10
Ph.D. to Post-Doctoral	--
Employed	--
• Campus selection	
• Other than campus recruitment	50%
Entrepreneurs	--

#### 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	--
from other universities within the State	--
from other universities from other States	--

#### 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

NIL

#### 27. Present details about infrastructural facilities

- |   |                 |
|---|-----------------|
| a. Library                                    | 01              |
| b. Internet facilities for staff and students | 01 (Staff only) |
| c. Total number of class rooms                | 03              |
| d. Class rooms with ICT facility              | NIL             |
| e. Students' laboratories                     | NIL             |
| f. Research laboratories                      | NIL             |

#### 28. Number of students of the department getting financial assistance from College.

90% of the students covered by govt. welfare scholarships/endowments/SBF

#### 29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:

NIL

#### 30. Does the department obtain feedback from

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes

- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

Yes

**31. List the distinguished alumni of the department (maximum 10)**

- Sri G.Venkata Ramudu Selected by APPSC Group I Services – DSP
- Sri S.Intiyaz Ahamed selected by APPSC Group II Services – Tahasildar
- Sri S.Adimurthy selected by PRB – CI of Police
- Sri Subramanyam selected by APPSC – Deputy Tahasildar
- Sri Deelip Kumar selected by DSC – School Assistant
- Sri K.Ramu selected by DSC – School Assistant
- Mrs B.Triveni selected by APPSC - Government Degree College Lecturer
- Miss Geetha Bala – Lecturer SSS Deemed University, Anantapur
- Sri S.Ismail selected by A.P.State Government – Registration Department
- Sri S.L.N.Varaprasad – Senior Advocate

**32. Give details of student enrichment programmes (special lectures/workshops / seminar) with external experts.**

Special Lectures conducted by Guest Faculty, Student seminars conducted and judged by outside faculty.

**33. List the teaching methods adopted by the faculty for different programmes.**

Board, Teaching aids, Student Seminars, Lecture method, LCD.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Interlinked with other social sciences departments

**35. Highlight the participation of students and faculty in extension activities.**

NCC, NSS, Red-Ribbon, Red-Cross, Sports, Health Camps, Blood Donation Camps and Social Service.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Student visits to Historical places, Museums, Temples and Monuments

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

Nil

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Senior faculty with Ph.D.,
- Academic ambiance
- Remedial classes for slow learners

**Weaknesses**

- Low comprehensive skills of learners

**Opportunities**

- To conduct seminars / workshops to go on educational, Industrial tours

**Challenges**

- Making students understand the subject as there are more number of students in classes

**39. Future plans of the department.**

- Enhancing the quality of teaching with innovative teaching practices.
- Strategies to attracting students to B.A English medium course.

## PROFILE OF THE DEPARTMENT

**1. Name of the Department & its year of establishment**

Mathematics      UG : 1981, PG : 2005

**2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG level : B.Sc    PG level : M.Sc.,

**3. Interdisciplinary courses and departments involved**

Interdisciplinary Elective : General Mathematics for non-mathematical students

**4. Annual/ semester/choice based credit system: Semester System**

**5. Participation of the department in the courses offered by other departments**

- Curriculum development, Instruction and Evaluation

**6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	02	02
Asst. Professors	06	06

**7. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr.M.Ravindra	M.Sc. M.Phil., Ph.D.,	Associate Professor	Magneoto Hydro Dynamics	29	3
Dr. Y.Rajendra Prasad	M.Sc. M.Phil., Ph.D.,	Associate Professor	Magneoto Hydro Dynamics	29	2
Smt.T.Suvarna	M.Sc. M.Phil. (Ph.D.)	Asst. Professor	Fluid Dynamics	6	

Kum.K.Gayathri	M.Sc. B.Ed. (M.Phil.)	Asst. Professor	Fluid Dynamic s	4	
Smt.E.Mahojani	M.Sc.	Asst. Professor	Fluid Dynamic s	3	
Sri.K.Raghavendra Prasad	M.Sc. B.Ed.	Asst. Professor	Fluid Dynamic s	1 ½	
Kum.K.Sowmya	M.Sc.	Asst. Professor	Fluid Dynamic s	5 Months	
Kum.Malathi	M.Sc.	Asst. Professor	Fluid Dynamic s	3 Months	

**8. Percentage of classes taken by temporary faculty – programme-wise information:**

- B.Sc., - 10% by guest faculty
- M.Sc., - 20% by guest faculty

**9. Programme-wise Student Teacher Ratio:**

- UG : 50:1 PG : 17:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

Nil

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

Nil

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:**

Nil

**13. Research facility / centre with:**

S.K. University recognized Research Centre.

**14. Publications:**

Publications : Dr.M.Ravindra 2 (National)

- A paper on Hydromantic Channel Flow through a Porous Medium with Prescribed Discharge ACTA Ciencia Indica in 2002.
- A paper on MHD Thermal Convection Flow through a Porous Medium in

a Non-Uniformly Heated Vertical Channel with Internal Heat Sources in  
‘ACTA Ciencia Indica – 2002’

**15. Details of patents and income generated:**

Nil

**16. Areas of consultancy and income generated:**

Nil

**17. Faculty recharging strategies:**

- Participation in National and International seminars
- Attending staff refresher courses and workshops

**18. Student projects:**

- percentage of students who have done in-house projects including inter-departmental – 10%
- percentage of students doing projects in collaboration with industries / institutes

**19. Awards / recognitions received at the national and international level:**

NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

Seminars conducted on

- Number Theory Prof.K.N.Venkata Siva Murthy, Retired, Professor of Mathematics in August 2011
- Real Analysis Prof P.R.V.Prasad Rao, Professor of Mathematics in September 2011

**21. Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	357	180	177	75%	76%
M.Sc.,	SVURPGCET	17	27	88%	89%

**22. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG & PG	10%	90%	--	--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

- Three PG students cleared SLET
- Several of our students have been selected for various positions in Nationalized Banks, Railways, LIC, Educational Institutions etc.

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	4%
Ph.D. to Post-Doctoral	2%
Employed <ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	15%

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	75%
from other universities within the State	25%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

Nil

**27. Present details about infrastructural facilities**

- Library** - Departmental Library with nearly 100 books
- Internet facilities for staff and students** - Internet facility for Staff is available
- Total number of class rooms** – UG – 12 ; PG – 02
- Class rooms with ICT facility** --
- Students' laboratories** --
- Research laboratories** - Research Centre

**28. Number of students of the department getting financial assistance from College.**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

Yes. Based on the feedback from our Alumni, Principals of Degree and Engineering Colleges, Professors especially from the department of Mathematics, S.K. University and Newspaper advertisements for various positions, we found that M.Sc. Mathematics has much potential for teaching positions and research.

**30. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes. The faculty found that the existing curriculum is best suited. Based on the feedback, class seminars, group discussions, quizzes have been arranged for the students.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Yes. The junior faculty have been advised to teach as per the learning levels of the students. The students satisfied with the content of the curriculum the learning methods of class seminars, group discussions, quizzes have been arranged for the students.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

A Research Centre was started in the department as per the feedback from alumni and the employers of the Degree and Engineering Colleges in the area.

**31. List the distinguished alumni of the department (maximum 10)**

- Dr.V.Sugunamma, Associate Professor, Sri Venkateswara University, Tirupati
- Dr.K.Sulochana, Asst.Professor, Intel Engineering College, Anantapur
- Dr.K.Madhusudhan Reddy, Asst.Professor, Sri Venkateswara Engineering College, Anantapur
- Sri S.V.Ranga Reddy, Development Officer, LIC, Hindupur
- Sri A.B.Ramprasad, Asst. General Manger, Co-operative Central Bank, Anantapur
- Dr.M.Ranga Reddy, Principal, Sreenivasa Ramanujam Institute of Technology, Anantapur
- Dr.Sreenivas, Controller of Examinations, Gokaraju Rangaraju Engineering College, Hyderabad
- Smt Padma, Advocate, Anantapur
- Sri K.L.Hari Prasad, Customer Support Engineer, Digitech peripherals, Hyderabad
- Sri P.Harinath, Analysis Support Engineer, Network solutions private

limited an IBM company, Bangalore

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

Special Lectures were arranged by inviting the following Professors:

- Dr.Y.Purushotham Reddy, Senior Lecturer in Mathematics, Govt. College, Anantapur
- Dr.A.Mallikajruna Reddy, Professor of Mathematics, S.K. University, Anantapur
- Dr.K.Shobhalatha, Associate Professor, S.K. University, Anantapur

**33. List the teaching methods adopted by the faculty for different programmes.**

Interactive and participative method, questioning and eliciting answers

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

We regularly review the learning outcome and conduct remedial classes for slow learners for better results.

**35. Highlight the participation of students and faculty in extension activities.**

Students participate in the activities of NSS, NCC, ECO Club and Red Ribbon Club

- Mr.K.Krishna, II B.Sc. (MECs), NSS Volunteer participated in two special camps at Siddarampuram village in November 2010 and January 2011. He also participated in educational and adventure camps at New Delhi and Kulumanali, Himachala Pradesh from 14<sup>th</sup> to 23<sup>rd</sup> November 2011.
- L.Suresh Kumar, II B.Sc. (MECs) also participated in the two special camps at Siddarampuram. He also participated in Adventure Camp in Kulumanali in July 2012.
- Many students have been voluntarily donating blood to the poor patients at Govt. General Hospital, Anantapur
- Many of our students won prizes in various cultural activities at University and State level.
- Our students are also active members of ECO and Red Ribbon Clubs keeping the campus clean, conducting awareness programmes for students and villagers on HIV/AIDS, the importance of Blood Donation, seasonal diseases etc.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Conducted Seminars on

- “Mathematics Present, Past and Future”
- “The Importance of Mathematics in Modern World”
- Conducted Class Seminars and awarded prizes to the meritorious students.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

Nil

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Highly qualified and experienced faculty
- Research Centre
- Departmental Library
- Good infrastructure

**Weaknesses**

- Absence of replacements of grant-in-aid teachers on their retirement
- Overcrowded class rooms
- Lack of suitable teaching technology

**Opportunities**

- Junior faculty can work for research degrees in the Research Centre

**Challenges**

- Retention of faculty
- Facing large classes
- Teaching in English medium for the students with Telugu medium and rural background
- Completion of syllabus as per the time schedule of the examination due to loss of working days due to bandhs, strikes etc.

**39. Future plans of the department.**

- The Department is planning a Two day workshop on “Fluid Dynamics “
- Doing quality Research by strengthening research centre.
- To strengthen the departmental library with periodicals and research journals
- To take the students on education tours to the institutions like Indian Institute of Science, Bangalore.

## PROFILE OF THE DEPARTMENT

- 1. Name of the Department** : Microbiology
- 2. year of establishment** : 1994-1995
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG: Microbiology – Biotechnology – Chemistry (English medium)

- 4. Interdisciplinary courses and departments involved:**

Interdisciplinary Elective: Microorganisms – Human Life

- 5. Annual/ semester/choice based credit system:**

Semester system

- 6. Participation of the department in the courses offered by other departments:**

- Curriculum development, Instruction and Evaluation

- 7. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	01	01

- 8. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.G.Sai Ramalinga Reddy	M.Sc,M.Phil,Ph.D	Asst. Professor	Immunology	18

- 9. Percentage of classes taken by temporary faculty – programme-wise information:**

UG Program – 10% (guest faculty)

- 10. Programme-wise Student Teacher Ratio: 30 : 1**

- 11. Number of academic support staff (technical) and administrative staff: sanctioned and filled: One Lab assistant.**

**12. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

NIL

**13. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:**

NIL

**14. Research facility / centre with:**

NIL

**15. Publications:**

- **Number of papers published in peer reviewed journals (national / international)**  
Ten papers are published in National / International journals.
- **Chapter(s) in Books**  
4 Chapters in Introductory Microbiology (for Ist B.Sc) published by Telugu akademi. Govt of Andhra Pradesh.

**16. Details of patents and income generated:** NIL

**17. Areas of consultancy and income generated:** NIL

**18. Faculty recharging strategies:**

- Participated in refresher courses, seminars, workshops/ symposia conducted by various Colleges, Universities and Research institutions.
- Accompanied students in educational tours to research institutions like OTRI, JNTU, Acharya N.G Ranga University, Regional Sericulture Research Institute etc.

**19. Student projects**

- **percentage of students who have done in-house projects including inter-departmental:** 20%
- **percentage of students doing projects in collaboration with industries / institutes:** 2%

**20. Awards / recognitions received at the national and international level by**

- **Faculty**
- **Doctoral / postdoctoral fellows**
- **Students**

NIL

**21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- Student advanced learning work shop on Hands on experience on PCR technology was organized in collaboration with other Biology

departments funded by the college management.

- A Workshop on fruit preservation technology was organized in collaboration with other Biology departments funded by the college management.
- A National Seminar on ‘Challenges in life sciences in recent era’ was organized jointly by the Departments of life sciences of our college.

## 22. Student profile course-wise:

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	17	04	13	85	89

## 23. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	90%	--	--

## 24. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? --- 4 Students

## 25. Student progression

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	5%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	
Employed	10%
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>	
Entrepreneurs	

## 26. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	<b>100%</b>

**27. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

One

**28. Present details about infrastructural facilities**

- a) **Library** : Departmental library is maintained.
- b) **Internet facilities for staff and students** : Yes
- c) **Total number of class rooms** : Two
- d) **Class rooms with ICT facility** : One
- e) **Students' laboratories** : Two
- f) **Research laboratories** : No

**29. Number of students of the department getting financial assistance from College:**

- 90% of the students covered by govt. welfare scholarships/endowments/SBF

**30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

**31. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes, as the Institution is an autonomous one, the faculty of the department along with outside subject experts frame the curriculum and evaluation methods in its Board of studies meeting. The same will be placed before Academic council & the department will bring the changes in curriculum or evaluation methods if suggestions are given by Academic council.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Yes, the department obtains feedback from the students on staff, curriculum and teaching- learning evaluation. With regard to methods of teaching, curriculum and evaluation, they are satisfied.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

We obtain feed back from alumni about the programs. They feel that it was useful in their life. The Department invites alumni to interact with the present students and suggestions are taken on curriculum, teaching methods and are used in strengthening the department.

**32. List the distinguished alumni of the department (maximum 10)**

- N.Siva Ramaiah, Scientist Onan Biotech / Hyd.
- M.Naga Raju ,Analyst Fidelity Corporation / Bangalore.
- C.Mamatha, Research scientist, California,USA.
- G.Lavanya ,Research scientist, California,USA.
- Vikas Jawalkar, Biocon India Pvt Limited, Bangalore.
- Y C B Sekhar Reddy. Sub-Registrar / Anantapur
- M.Sashi Kiran, Lecturer, Chippagiri / kurnool
- T.Balaji , Teacher
- K. Lalitha Vandana , Clinical Data Management ,Bangalore.
- P.Surendranath Reddy, MNS Pharma Ltd,Hyderabad.
- P.R.Vijayasimha Reddy, Nexux Test Labs, Bangalore.
- K.Saritha, Senior Manager, TTK Health care, Chennai.

**33. Give details of student enrichment programmes (special lectures/workshops / seminar) with external experts.**

**Guest lectures:** Guest lectures were conducted by inviting following Professors and scientists.

- Prof. K.Venkateswarulu: Professor,SKU.
- Prof. R.Rajasekhar Reddy: Professor,SKU.
- Prof. B.Venkatappa: Professor,SKU.
- Prof. S.Dayananda: Professor, HCU.
- Dr.Veerabramha chari: Assistant Professor, Krishna University.
- Dr.N.Siva Ramaiah, Scientist Onan Biotech.

**Workshop:** Workshops were conducted on PCR technology, Fruit preservation and Bioinformatics.

**Field trips:** Visited research laboratories in S.K University

- Sericulture Research Institute, Rapthadu.
- OTRI, Anantapur.
- Local dairy Industries.
- Krushi vignana Kendra, N.G Ranga Agricultural university, Reddi palli

**34. List the teaching methods adopted by the faculty for different programmes.**

Apart from regular lecture method, models, charts, OHP, LCD projector are used.

**35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Learning outcome is monitored by conducting Internal examinations, seminars, quiz, group discussions and slip tests.  
Remedial coaching is given to slow learners.

**36. Highlight the participation of students and faculty in extension activities.**

- a. Students of the department are actively involved in various special camps conducted by the college like health camps, traffic control assistance, blood donation camps, clean and green program etc.
- b. Some Students of the department are active members of NSS & NCC.
- c. Dr.G. Sai Ramalingareddy (Faculty of the department) served as a member,NSS committee and participated actively in clean and green programs, awareness programs and blood grouping organized in Bommeparthi and Siddarampuram villages. Being a member of lions club of Anantapur, participated in mega health camps and is associated with free lions diagnostic centre which is offering service to the poor and needy.

**37. Give details of “beyond syllabus scholarly activities” of the department.**

- a. Involving students in basic research projects.
- b. Taking students to field trips and research institutes.
- c. Organizing workshops and seminars with experts.
- d. Organizing interactive sessions with alumni who are settled in areas like teaching, research and Industry.

**38. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

**39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Dedicated and qualified faculty.
- Well equipped laboratory.
- Financial aid and scholarship availability.
- Gold medals to encourage students.
- Career coaching and recruitment efforts.
- Add on courses to strengthen the student employability.

**Weakness:**

- Lack of long standing faculty.
- Lack of exposure of students to renowned research institutes & Industries.

**Opportunities**

- Students exposure to hands on experiments.
- Student exposure to different guest lecturers.
- Add on courses to strengthen the student employability.
- Students involvement in basic science research programs.

**Challenges**

- Decrease in student strength in biological stream at intermediate levels, which reflects on admissions into UG restructured courses in Biology.
- Retaining experienced, qualified faculty.

#### **40. Future plans of the department.**

- Strengthening the department with well qualified and experienced faculty.
- Equipping the lab with modern facilities.
- Planning to have collaboration with industries/institutes.
- Planning to start inter disciplinary certificate courses and courses of self employment like
  - Certificate courses in Immunological techniques.
  - Molecular Biology & Genetic engineering techniques.
  - Mushroom cultivation.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department** : Physics
2. **Year of establishment** : UG: 1981, PG: 2005, Research Center:2010
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
 UG : MPC &MPS (EM &TM), M.P.Cs (EM)  
 PG : M.Sc Physics with Electronics Specialization  
 M.Phil. : 2011
4. **Interdisciplinary courses and departments involved**  
 Interdisciplinary Elective: Applications of Physics in daily life.
5. **Annual/ semester/choice based credit system – SEMESTER SYSTEM**
6. **Participation of the department in the courses offered by other departments:**
  - Curriculum development, Instruction and Evaluation
7. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	4	4
Asst. Professors	5	5

8. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Y.Narasimha Murthy	M.Sc., Ph.D.,	Associate Professor	Electronics	28	02
Dr. Y.MuniKrishna Reddy	M.Sc., M.Phil., Ph.D.,	Associate Professor	Electronics	20	-
Dr. D.Sailaja	M.Sc., M.Phil., Ph.D.,	Associate Professor	Electronics	20	-

Dr.K.Chandrasekhara Reddy	M.Sc., Ph.D.,	Associate Professor	Molecular Bio Physics	20	-
Sri.K.P.Venkateswara Rao	M.Sc., M.Phil.,	Asst. Professor	C A I	13	-
M.Babafakruddin	M.Sc., M.Phil.,	Asst. Professor	General Physics	7	-
Sri M. Nagendra Vara Prasad	M.Sc., M.Phil.,	Asst. Professor	Electronics	6	-
Smt. A. Vedavathi	M.Sc., M.Phil.	Asst. Professor	Solid State Physics	6	
Miss. M. Jabina Begum	M.Sc.,	Asst. Professor	Electronics	1	-

**9. Percentage of classes taken by temporary faculty – programme-wise information**

	Regular-%	Temporary/Guest-%
B.Sc.,	95	05
M.Sc.,	70	30

**10. Programme-wise Student Teacher Ratio:**

Name of the Programme	Student – Teacher Ratio
B.Sc.,	35:1
M.Sc.,	20:1

**11. Number of academic support staff (technical) and administrative staff: sanctioned and filled--(THREE)**

Sanctioned : 3 Filled : 3

**12. Number of faculty with on going projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

Principle Investigator/ Project type	Project Title/Year	Funding agency	Total Layout
Dr.Y.Narasimha Murthy Associate Professor of Physics Major Research Project	“Design and Development of Embedded based system for the Monitoring and Measurement of Environmental parameters”, February 2010 to February 2013	UGC	Rs.8,26,800

**13. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.;total grants received:**

<b>Principle Investigator/ Project type</b>	<b>Project Title/Year</b>	<b>Funding agency</b>	<b>Total Layout Rs.</b>
Dr.D. Sailaja Associate Prof .of Physics Major Research Project	“PC based Conductivity and Electroacoustic Measurements of some Surfactants in Non-Polar Liquids”, May 2009 to April 2012	UGC	8,71,800
Dr.Y. Munikrishna Reddy Associate Prof .of Physics Minor Research Project	“Study of Current –Voltage-Temperature (I-V-T) and Capacitance-Voltage-Temperature (C-V-T) Characteristics of Schottky Contacts on n-type In”, July 2010 to August 2012	UGC	80,000

**14. Research facility / centre with**

- SK University recognized Research centre (2011)

**15. Publications:**

<b>Name of the Faculty</b>	<b>National Journals</b>	<b>International Journals</b>
Dr.Y.Narasimha Murthy		25
Dr.Y.MuniKrishna Reddy	5	15
Dr. D.Sailaja	10	04
Dr.K.Chandrasekhara Reddy	06	04
M.Nagendravara Prasad	02	-
Smt.A.Vedavathi	02	03

- Impact Factor(Average-1.75)

**16. Details of patents and income generated: NIL**

**17. Areas of consultancy and income generated: NIL**

**18. Faculty recharging strategies:**

- Participating in Orientation Programmes, Refresher courses, Workshops, National & International Seminars/conferences and symposia conducted by various colleges, Academic staff colleges, Universities and Research institutions.
- Accompanying students in educational tours to research institutions like OTRI, JNTU, SKU and Radio station, TV station etc.

**19. Student projects:**

- percentage of students who have done in-house projects including inter-departmental : 15%
- percentage of students doing projects in collaboration with industries / institutes : Nil

**20. Awards / recognitions received at the national and international level by**

- **Faculty:** Dr.M. Narasimha Murthy –State Best Teacher –Govt.of A.P, in the year 2000

**21. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

- National Seminar on “Emerging Materials and Technologies”, 09-10, Oct-2010.

The Invited Chief Guest and outstanding participants:

- \* Prof.A.Rama Chandra Reddy, V.C. Yogivemana University, Kadapa.
- \* Prof.G.Mohan Rao, IISC, Bangalore.
- \* Dr.I.Gurrappa, Scientist F, DMRL, HYD.
- \* Dr.V.N.Mani, Scientist-F.CEMAT,Dept.Of Information Technology, HYD.
- \* Prof.K.T.Ramakrishna Reddy,SVU, Tirupathi.

**22. Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	255	111	142	85	89
M.Sc.,	SVURPGCET	09	09	90	95

**23. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
M.Sc Physics	20	70	10	-
M.Phil	33	67	-	-

**24. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

- GATE-02
- Other Competitive Exam- 10

## 25. Student progression

Student progression	Percentage against enrolled
UG to PG	60
PG to M.Phil.	15
PG to Ph.D.	5
Ph.D. to Post-Doctoral	-
Employed	-
• Campus selection	
• Other than campus recruitment	
UG	25
PG	80
Entrepreneurs	-

## 26. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	35
from other universities within the State	65
from other universities from other States	-

27. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: NIL

## 28. Present details about infrastructural facilities

- Library: 215 books
- Internet facilities for staff and students: Staff and Research Scholars.
- Total number of class rooms : U.G- 7 & P.G-2
- Class rooms with ICT facility: NIL
- Students' laboratories: U.G-3 & P.G-3
- Research laboratories: ONE

29. Number of students of the department getting financial assistance from College: 4(Four)

30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology

## 31. Does the department obtain feedback from

- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, as the institution is an autonomous one, the faculty of the department along with the outside experts frame their curriculum and evaluation methods in its Board of studies meeting. The same will be placed before the Academic

Council and the department will bring the changes in curriculum or evaluation methods if suggestions are given by Academic council.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Yes, the department obtains feedback from the students on staff, curriculum and teaching-learning evaluation. The suggestions made by students are discussed in the departmental review and modifications are considered, if necessary.

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

Yes, the department invites alumni to interact with the department and present students and suggestions are taken on curriculum, teaching methods and are used in strengthening the department.

**32. List the distinguished alumni of the department (maximum 10)**

- Dr.C. Kesava Rao-- Scientist, NMDC , Hyderabad.
- Sri. B. Raghunatha Rao-- Principal, APRJC Chittoor.
- Dr. K. Chandra Sekhar Reddy --Associate Prof. in Physics, S.S.B.N. Degree College.
- Raghunath Reddy-- Assisntant Prof., Dept.of Computer Science, S.K.U. A.T.P.
- B. Narasimha Reddy-- Lecturer in chemistry, Govt. Degree College, Srikalahasti.
- P.Venkata Rami Reddy –Associate Professor of Computer Science,JNTUH,Hyd.
- A.Suryanarayana, Jr.Lecturer, SAP College, Gorantla.
- Dr.A.Venkatesulu, Assistant Professor of Physics, Govt.First Grade College.Bangalore.P.Pavan Kumar,Manager, Andhra Bank
- M.Dhanunjaya,pass Port Office, Hyd.
- M.Parameswara Reddy,C.I. of Police, Kadapa.
- P.Venkata Ramana,Railway Department, ASM,Anantapur.
- A.Mallikarjuna Radiologist,basavatharakam Cancer Institute,Hyd.
- M.Baba Fakruddin, M.Nagendra Vara Prasad & Smt.A.Vedavathi, Dept.Staff.

**33. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts**

Special /Guest lectures

- Prof. R.Ramakrishna Reddy,S.K.U. Anantapur
- Prof.D.Buddudu,S.V.U. Tirupathi.
- Prof. P.Raghavendra Rao, S.K.U. Anantapur
- Prof.C.V. Krishna Reddy,R.U.Kurnool.
- Prof.O.Md.Hussain, S.V.U. Tirupathi
- Prof. N.Punyaseshudu, R.U.Kurnool.

**34. List the teaching methods adopted by the faculty for different programmes:**

Apart from the regular teaching method, demonstration method, charts, OHP, PPT are used.

**35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored? -----**

- Learning out come is monitored by conducting slip tests, internal exams, seminars, quiz, and group discussions.
- Remedial coaching is given to the slow learners.

**36. Highlight the participation of students and faculty in extension activities**

Students of the department are actively participating in various extension activities like health camp, Blood donation camp, clean and green programme, campus beautification programme, traffic control assistance conducted by college and other N.G.O's.

**Faculty:** Resource persons for Junior Lecturers and High School teachers training programme.

- Dr.Y.Munikrishna Reddy is Convener of ECO – club, SSBN Degree College, ATP.
- Dr.D.Sailaja is Convener of Women empowerment cell, and member NSS advisory committee Degree College, ATP. Delivered 10 radio talks on popular science topics and other current issues.
- Dr. K.Chandrasekhara Reddy, is the secretary of S.S.B.N. College Students Consumer Cooperative Stores. Member in college sports committee and NSS advisory committee

**37. Give details of “beyond syllabus scholarly activities” of the department.**

- Two day WORKSHOP on Recent Trends in a Novel Materials
- Guest Lectures by the faculty in other colleges
- Seminar on “Bio Sensors- Applications.
- Applications of Micro Controllers.

**38. State whether the programme/ department is accredited/ graded by other agencies. Give details: NIL.**

**39. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :**

**Strengths:**

- Four experienced staff members with Ph.D.
- Five young and energetic staff members.
- Conducting guest lectures with professors of University.
- The department has well established laboratories with sufficient Infrastructural facilities.
- United efforts of the staff.

### **Weaknesses**

- Absence of replacements of grant-in-aid teachers on their retirement
- Low comprehensive skills of learners

### **Opportunities**

- Establishment of another physics lab.
- Conduct of National/International conference.
- Implementation of Lab to Land linkage.
- Add on courses to strengthen the student employability
- Student's involvement in basic science research programs

### **Challenges**

- Time management to complete syllabi and practicals due to Bandhs, strikes and unwanted interruptions.
- Overcrowded class rooms.
- Enforcing strict discipline and cent percent attendance.
- Encourage students to prepare for competitive exams, PG Entrance, NET/SET, GATE etc..

### **40. Future plans of the department:**

- Improvement of the Research Centre.
- The department is planning to conduct a two day conference on "Recent Trends in Modern Materials" and other seminars and workshops.
- To introduce Material science specialization in M.Sc. Physics course.
- To establish another lab for P.G.
- To equip the labs with modern facility.
- Planning to collaborate with industries/institutions.
- Starting certificate course in Mobile Mechanism, T.V. Mechanism.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment** : Political Science, 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A. Political Science
3. **Interdisciplinary courses and departments involved:**  
Interdisciplinary Elective: Polity and Government
4. **Annual/ semester/choice based credit system** Semester
5. **Participation of the department in the courses offered by other departments**
  - Curriculum development, Instruction and Evaluation
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professor	01	01

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.C.Ramanjaneyulu	M.A., Ph.D.,	Associate Professor	Cooperative Administration in India	20

8. **Percentage of classes taken by temporary faculty – programme-wise information:** 05% by guest faculty.
9. **Programme-wise Student Teacher Ratio:** 70:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** Nil
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** Nil
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil

13. **Research facility / centre with:** Nil

14. **Publications:** Nil

15. **Details of patents and income generated:** NIL

16. **Areas of consultancy and income generated:** NIL

17. **Faculty recharging strategies:** NIL

18. **Student projects:** NIL

19. **Awards / recognitions received at the national and international level by**  
Nil

20. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**  
Nil

21. **Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage		Total
		Male	Female	Male	Female	
B.A	70	28	34	90.48	85.19	87.50

22. **Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A.,	10%	90%	--	--

23. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?:** Nil

24. **Student progression**

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	05
PG to Ph.D.	05

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	100%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** NIL

**27. Present details about infrastructural facilities**

- a) **Library:** 01
- b) **Internet facilities for staff and students:** 01
- c) **Total number of class rooms:** 03
- d) **Class rooms with ICT facility:** NIL
- e) **Students' laboratories:** NIL
- f) **Research laboratories:** NIL

**28. Number of students of the department getting financial assistance from College:**

- 90% of the students covered by govt. welfare scholarships/endowments /SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** NIL

**30. Does the department obtain feedback from**

**a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Yes – through direct interaction with the students

**b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

Yes – Students express satisfaction with regard to curriculum, teaching-learning evaluation methods.

**c. alumni and employers on the programmes and what is the response of the department to the same?**

Yes. The alumnae often come to the college and the meet the present students and they share their views about the college with them.

**31. List the distinguished alumni of the department (maximum 10)**

- Sri S.Intiyaz Ahamed selected by APPSC Group II Services – Tahasildar
- Sri G.Venkata Ramudu Selected by APPSC Group I Services – DSP
- Sri Subramanyam selected by APPSC – Deputy Tahasildar
- Sri S.Adimurthy selected by PRB – CI of Police

- Sri K.Ramu selected by DSC – School Assistant
- Sri Deelip Kumar selected by DSC – School Assistant
- Miss Geetha Bala – Lecturer SSS Deemed University, Anantapur
- Miss Triveni selected by APPSC - Government Degree College Lecturer
- Sri S.Ismail selected by A.P.State Government – Registration Department
- Sri S.L.N.Varaprasad – Senior Advocate

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

**Special Lectures**

- Prof. P.W. Purushotham, Professor of Political Science (Retired), S.K. University, Anantapur
- Sri N. Ramesh Reddy, Lecturer in Political Science, Govt. Degree College, Anantapur
- Sri N. Harishchandra, Lecturer in Political Science, Govt. Degree College, Anantapur
- Dr. K. Prabhakar Reddy, Reader in Political Science, K.S.N. Govt. Degree College for women, Anantapur

**33. List the teaching methods adopted by the faculty for different programmes.**

Board, Teaching aides, Student Seminar, LCD, OHD, Lecture Method

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By taking feedback from the students.

**35. Highlight the participation of students and faculty in extension activities.**

NCC, NSS, Red-Ribbon, Red-Cross, Sports.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

NIL

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details: NIL**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Good senior faculty with Ph.D.,
- Department with good facilities.

**Weaknesses**

- Students from poor, economic, social and educational background

**Opportunities**

- To conduct seminars / workshops / to go on educational tours

**Challenges**

- More number of students in the classes
- Below average students

**39. Future plans of the department.**

- To continue the innovative teaching methods to improve the quality of the students.
- To resume B.A English medium course.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment :** SANSKRIT, 1981
2. **Names of Programmes / Courses offered :** B.A., B.Com., B.Sc.,
3. **Interdisciplinary courses and departments involved :** NIL
4. **Annual/ semester/choice based credit system:** Semester System.
5. **Participation of the department in the courses offered by other departments:** NIL.
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professor	1	1
Asst. Professor	1	1

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.P.P.V.D.Naga Trisula Pani	M.A., Sanskrit M.A., Telugu Ph.D., Sanskrit	Associate professor	Nyaya (Indian logic)	30
Smt G.Punyavathi	M.A., Sanskrit M.A., Telugu	Asst. Professor	Sahitya	4

8. **Percentage of classes taken by temporary faculty – programme-wise information:** 5% by Guest Faculty
9. **Programme-wise Student Teacher Ratio:** 80:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL

**13. Research facility / centre with**

NIL

**14. Publications:**

- **number of papers published** : National : 5, International : 2  
**in peer reviewed journals**
- **Monographs** : 7
- **Books**: 4
- **Editing Books: 1. Edited the book entitled “Sri Rama Karnamrutam” in 2012**
- **As member of the editorial board brought out I and II year Degree Sanskrit Text books.**

**15. Details of patents and income generated** :NIL

**16. Areas of consultancy and income generated** NIL

**17. Faculty recharging strategies :**

- Participating and presenting papers in International and National seminars
- Conducting guest lectures by the eminent scholars
- Attending the refresher course.

**18. Student projects**

- **percentage of students who have done in-house projects including inter-departmental** :02
- **percentage of students doing projects in collaboration with industries / institutes** :NIL

**19. Awards / recognitions received at the national and international level by**

- **Faculty**
  - Dr.P.P.V.D. Naga Trisula Pani was awarded “State Best Teacher Award” in 2006 by the Govt., of Andhra Pradesh.
  - Honoured for the valuable services rendered to the field of Sanskrit Literature by the Peethadipathi of Sri Raghavendra Swamy Mutt, Mantralayam on 30-3-2010
  - Name is mentioned in the volume of Reference Asia, “who is who of men and women achievement”, published by Refacimento International, New Delhi.
  - In recognition of the services rendered on Republic day and Independence Day, merit certificates were given by the District Collector
  - Dept. of Tourism and Development gave a merit certificate in recognition of services rendered on the occasion of Lepakshi Nandi festival.
- **Doctoral / postdoctoral fellows** : NIL
- **Students** :NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

A National seminar on “**Human Values in Sanskrit Literature**” sponsored by UGC, SERO, Hyderabad during 28 & 29<sup>th</sup> April 2012

- Prof. V.S.Vishnu Potty, Acting Vice Chancellor SCSVMV University Kanchipuram
- Prof.K.B.Archak, Dept of Sanskrit, Karnataka University, Dharwad.
- Prof Kesavanarayana, Director, Sanskrit Academy, Osmania University Hyderabad
- Prof. K. Hayagreeva Sharma, Dept. of Sanskrit, SV University, Tirupathi.
- Prof. K. Satyanarayana, Dept of Sanskrit, Nagarjuna University, Guntur and
- 35 other scholars from various colleges have participated in the seminar.

**21. Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	145	63	81	97	98

**22. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG	10%	90%	--	--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

Nil

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	10%

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	Nil
from other universities within the State	100%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period: NIL**

**27. Present details about infrastructural facilities**

- a) **Library** : Central Library: 300 : Dept. library : 70
- b) **Internet facilities for staff and students** : NIL
- c) **Total number of class rooms**: 03
- d) **Class rooms with ICT facility**: NIL
- e) **Students' laboratories** : NIL
- f) **Research laboratories**: NIL

**28. Number of students of the department getting financial assistance from College:**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology: NIL**

**30. Does the department obtain feedback from**

**a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

The faculty prepares the syllabi, model papers and evaluation methods. It also prepares the additional spoken Sanskrit syllabus and placing the same for the approval of the academic council. The faculty expresses the overall satisfaction on these evaluation methods.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

The faculty has been conducting group discussions, seminars and debates according to the interest of the students Simple Sanskrit speaking classes are also introduced for the benefit of the students

**c. Alumni and employers on the programmes and what is the response of the department to the same?**

The alumni have a feeling that they have learnt from the department more on Ethical and Human values. They come to college and meet the present students and express their opinion on Sanskrit. The Management makes it a point review periodically the academic activities of the Department.

**31. List the distinguished alumni of the department (maximum 10) : Nil**

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

- Conducted a guest lecture on "Importance of Sanskrit" with Sri Vedagiri, Lecturer in Sanskrit, Govt. Degree College, Anantapur on 1-3-2007.
- Conducted a certificate course in Sanskrit from 7-8-07 to 19-8-07

- Conducted a guest lecture on Moral values inviting Swamy Sukrutananda Maharaj Rama Krishna Mutt, Kadapa on 8-9-2007
- Sanskrit day was celebrated on 25-8-2007 and recitation competition was conducted to the students.
- Samskrita Janapada Sammelanam was organized associating with Samskrita Bharathi Anantapur on 3-2-08
- Conducted a guest lecture on the contribution of Annamacharya by inviting Prof. K. Sarvothaman, Director Alwar divya Prabanda Project, Tirupathi.
- A Guest Lecture by Prof. K.Hayagreeva Sharma, Dept of Sanskrit SV University was conducted on 16-7-08
- A workshop on Moral values was conducted on 28-2-09 Prof. D.V Subbaiah, SK University Anantapur and Dr. P. Ramakrishna Rao, Reader in Philosophy, Govt Degree college, Anantapur were the chief guests
- Invited Swamy Sukrutananda Maharaj, Rama Krishna Mutt, Kadapa on 8-7-2009 to deliver a guest lecture on the Influence of Vivekananda on Youth.
- Conducted 5 day free Sanskrit spoken classes from 24-4-2010 to 28-4-2010 taking 3 hours daily from 8:30 to 11:30 am. 30 students participated in this program
- A guest lecture by CLN Murthy, Head, Dept of Sanskrit, Sathya Sai Institute of Higher Learning, Puttaparthi on 13-2-2011 to the students.
- Conducted Sanskrit Day on 13-8-2011 by inviting Dr.M.Praphulla, Reader in Sanskrit, Sathya Sai Institute of Higher Learning, Anantapur and Dr.KKV Sharma, Lecturer in Sanskrit, Sri Vani Degree College Anantapur as chief guests to deliver lectures.
- Conducted a two day National Seminar on Human Values in Sanskrit Literature sponsored by UGC, SERO, Hyderabad from 28-4-2012 to 29-4-2012

**33. List the teaching methods adopted by the faculty for different programmes.**

- Lecture Method
- Interactive Method
- Use of Flash cards
- Charts and DVD's related to Sanskrit.
- Extra teaching material.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By taking feedback from the students

**35. Highlight the participation of students and faculty in extension activities. Students:**

The students participate in extension activities such as clean and green programs, blood donation camps besides participating in essay writing, Elocution and Quiz programs outside the campus.

**Faculty:** Dr.P.P.V.D.Naga Trisula Pani

- As a joint Convener of the “Rama Krishna Bhava Prachara Parishat” AP, delivers lectures in State Level Conventions and extending the services in the conduct of Literary Competitions at various levels.
- A project by name “Gadadhara Abhyudaya Prakalpa” funded by Rama Krishna Mutt Belur, is being organized to the poor students of the backward areas to inculcate Ethical, Moral and Human Values among them.
- Giving Radio programs
- Delivering Lectures organized by literary Associations and Dharma Prachara Parishads in and around the district
- Has been conducting the community service programs like free distribution of bread and milk to poor students as president of Sri Rama Krishna Seva Samithi, Anantapur
- Has been anchoring the Republic Day and Independence Day programs for the past 10 years at parade ground, Anantapur.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

- Involving students in seminars, group discussions and debates etc.
- Teacher participates in seminars and present papers.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details : No**

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Well experienced faculty
- More students opting Sanskrit as second language
- Every year 97% of minimum result
- Framing our own syllabus
- United efforts of the faculty

**Weaknesses**

- Sanskrit is not taught at the primary education
- Most of the students are learning Sanskrit from the Intermediate level not at the school level
- Set up of UG courses concentrates on group subjects
- Job opportunities are limited
- Lack of proper recognition for Sanskrit scholars

**Opportunities**

- Conduct of certificate course in spoken Sanskrit
- Saral Sanskrit examinations
- Showing Sanskrit DVD's and CD's framed by Sanskrit Bharathi Bangalore through LCD
- Conduct of workshops
- Conduct of Guest Lectures

**Challenges**

- Overcrowded class rooms.
- Disturbance of class work due to unexpected strikes and other unwarranted reasons.
- Allowing students for extending activities.
- Introducing Sanskrit media in teaching.
- Enforcing the strict discipline.

**39. Future plans of the department.**

- To strengthen the Departmental library.
- To get PG course in Sanskrit.
- To conduct another National Seminar in Sanskrit.
- To conduct an International seminar in Sanskrit.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment :** STATISTICS  
Established : 1984
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** UG : B.Sc. ( MPS & MSCs)
3. **Interdisciplinary courses and departments involved :**  
Interdisciplinary elective : Basic statistical tools
4. **Annual/ semester/choice based credit system :** Semester System
5. **Participation of the department in the courses offered by other departments :**
  - Handling classes for M.Sc ( Chemistry) students [Statistics and data handling in Analytical Chemistry]
  - Handling classes for M.Sc ( Bio -Technology) to teach Bio-Statistics
  - Handling classes for M.Com to teach Quantitative Techniques for Business Decisions
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	02	02

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr.G.S.Devasena	M.Sc., Ph.D.	Associate Professor	Stochastic Processes	15 Years
Dr. B. Venkata Ramudu	M.Sc., B.Ed., Ph.D.	Asst. Professor	Operations Research	12 Years
Sri.P.Adisekhara Reddy	M.Sc., M.Phil.	Asst. Professor	Operations Research	2 Years

8. **Percentage of classes taken by temporary faculty – programme-wise information:**

Class	Regular %	Temporary/Guest %
B.Sc	90	10

**9. Programme-wise Student Teacher Ratio:**

Class	Student – Teacher Ration
B.Sc	45:1

**10. Number of academic support staff (technical) and administrative staff: sanctioned and filled :**

Technical Staff – Sanctioned :01 & Filled : 01

**11. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise. : NIL**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received : NIL**

**13. Research facility / centre with :Nil**

**14. Publications:**

- number of papers published in peer reviewed journals (national / international)

Name	National	International
Dr.G.S.Devasena	01	01
Dr.B.Venkata Ramudu	-	06

Name	Text Books
Dr. G.S. Devasena	B.Sc Final Year Paper IV AKADEMI TEXT BOOK Transportation ,Assignment & Job Sequencing (E.M) B.Sc Final Year Paper IV AKADEMI TEXT BOOK Transportation ,Assignment & Job Sequencing (T.M)

**15. Details of patents and income generated NIL**

**16. Areas of consultancy and income generated NIL**

**17. Faculty recharging strategies**

- National and International seminars/workshops
- Participation in refresher courses

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : 15%
- percentage of students doing projects in collaboration with industries / institutes : 10%

**19. Awards / recognitions received at the national and international level by**

- Faculty

Name	State Awards
Dr. G.S. Devasena	<ul style="list-style-type: none"> <li>• Recipient of State “ Best NSS Programme Officer Award” during the year 2011 by State NSS Cell, H.E Dept. Govt. of AP.</li> <li>• Recipient of State “ Best Teacher Award” during the year 2012 by Government of AP.</li> </ul>

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. :**

One Day State Level Workshop on “ Statistical Soft Skills Through MS-Excel” during June 2008 – Funded by the Management Participants are Degree College Lecturers in Statistics of AP The invited Chief Guests and outstanding Participants :

- Prof. Y. Venkatarami Reddy, APPSC Chairman, Hyderabad
- Prof. M. Krishna Reddy, Professor of Statistics, Osmania University, Hyderabad
- Prof. V.V. Hara Gopal, Professor of Statistics, Osmania University, Hyderabad
- Dr. G.R. Maruthi Sankar, Principal Scientist, CRIDA, Hyderabad.
- Prof. K.V.S. Sarma, Professor of Statistics, S.V. University, Tirupathi.
- Prof. R. Rajasekhara Reddy, Professor of Statistics, S.V. University, Tirupathi.
- Prof.R.R.L.Kantham, Professor of Statistics, Acharya Nagarjuna University, Guntur
- Prof. A.Ananda Raja Chari, Professor of OR & SQC, Director, Research Studies, Rayalaseema University, Kurnool.
- Prof. Y. Krishna Reddy, Registrar, S.K. University, Anantapur.
- Prof. K.L.A.P. Sarma, Professor of Statistics, S.K. University, Anantapur.
- Prof. S. Sampath, Professor of Statistics, University of Madras, Chennai.
- Dr. SubbiReddy, Scientist, Dry Land Agricultural Research Station, Rekulakunta, Anantapur.

**21. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	147	77	69	89	88

## 22. Diversity of students

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	90%	--	--

## 23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

- NET -01
- GATE – 01
- Other Competitive Examinations – 25

## 24. Student progression

Student progression	Percentage against enrolled
UG to PG	75%
PG to M.Phil.	10%
PG to Ph.D.	15%
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus recruitment	40%
Entrepreneurs	25%

## 25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	67%
from other universities within the State	-
from other universities from other States	33%

## 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Awarded Ph.D : 01

## 27. Present details about infrastructural facilities

- Library** : Maintaining a Departmental Library with 100 books
- Internet facilities for staff and students** : Yes
- Total number of class rooms** : Two classrooms
- Classrooms with ICT facility** :NIL
- Students' laboratories** :02
- Research laboratories** :NIL

**28. Number of students of the department getting financial assistance from College. : 05**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NIL**

**a. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

Department obtains feed back from faculty regarding Teaching – Learning – evaluation. It frames the curriculum and evaluation methods in its Board of Studies meeting with subject experts and the same will be placed before the Academic Council. If there are any suggestions given by Council, they will be incorporated in the curriculum.

**b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**

The Department obtains feedback from students on staff with regard to the teaching techniques and curriculum. Advise the staff with regard to the methods they are adopting in teaching and suggest them to repeat the topics in which students are facing problems/doubts.

**c. alumni and employers on the programmes and what is the response of the department to the same?**

Suggestions are invited from alumni individually and some times they are invited to interact with students. They also interact with the present students and some times respond to their problems and offer solutions

**30. List the distinguished alumni of the department (maximum 10)**

S. No.	Name of the Student	Position Held	Name of the Organization
1	A.Kullayaswamy	Assistant Professor	Dept of Statistics, Govt Degree College, Punganur
2	S.Khadar Basha	Assistant Section Officer	A P Secretariat, School Education, Hyderabad
3	G.Lakshmi Narayana	Assistant Manager	Pragathi Grameena Bank, Bellary, Karnataka
4	G.Sharat Chandra	Software Engineer	Infosys Presently in Tokyo
5	P.Lakshmi Prasanna	Software Engineer	Tata Consultancy Services, Bangalore
6	Santhosh Kumar	Release Manager	Australia Newzeland Operations Private Ltd. Bangalore
7	P.MallikarjunaChowdary	Software Analyst	Standard Charted Bank Ltd, Bangalore
8	P.Lavanya	Software Analyst	Bangalore

9	N.MadhusudhanaReddy	Assistant Manager	Syndicate Bank, Anantapur
10	K.Bhavani	Assistant Manager	Syndicate Bank, KADAPA
11	E.Sreedhar Gowd	Software Analyst	Symphony Pvt. Ltd, Bangalore
12	K.Eswaraiah	Assistant Manager	Syndicate Bank, Bangalore

**31. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

On the occasion of National Statistics Day (June 29<sup>th</sup>) guest lectures are organized every year. Apart from that, Professors and Scientists are invited as resource persons to deliver special Lecturers /Seminars to enrich student knowledge. The resource persons from local Research Station of Acharya NG Ranga University, Chief Planning Office, Anantapur are invited from time to time.

S. No	Date	Invited Lecturer	Topic
1	01-03-08	Sri. M. Sudharshan, Chief Planning Officer, Anantapur	Data Collection
2	29-06-09	Dr. SubbiReddy, Scientist, DryLand Agricultural Research Station, Rekulakunta, Anantapur	Design of Experiments
3	29-06-10	Sri.P.Gurappa, Chief Planning Officer, Anantapur	Statistics and its Application
4	13-12-10	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur.	Queuing Theory
5	29-06-11	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur	Sampling Techniques
6	29-06-12	Prof. K.L.A.P, Sarma, Professor of Statistics, S.K. University, Anantapur	Statistical Quality Control

**32. List the teaching methods adopted by the faculty for different programmes.**

Apart from regular glass board teaching, the department makes use of Models, Charts, LCD Projector for the purpose of teaching. Collection of subject related news clipping and discussions and quiz programmes are also the part of learning and assessment.

**33. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

Learning outcome is monitored by conducting unit tests, assignments, seminars, internal examinations and semester end examinations. Remedial Coaching is offered to slow learners. Student presentations are judged in student seminars and they are advised as to how to rectify their mistakes.

**34. Highlight the participation of students and faculty in extension activities.**

- The students are encouraged to participate in curricular, co curricular and extra curricular activities.
- Dr. G.S. Devasena, Faculty of the department has been serving as an NSS Programme Officer for 5 Years served as a District Programme Officer for 2 Years. Member of Lions Club of Anantapur, Life member of Red Cross Society, Anantapur and Member of Aurobindo Society, Pondicherry
- Dr. G.S. Devasena, recipient of “State Best NSS Programme Officer Award” for the year 2010 - 11
- Faculty and students are involved in the community service through special camps in the villages by NSS
- Faculty and students are involved in organizing Health Camps to the poor & needy, clean and green programmes, awareness rallies on HIV/AIDS, awareness on domestic Violence, Legal Issues, Blood Donation, Blood Grouping Personal Hygiene, Eye Donation etc was organized.
- Leadership Training Programmes were Organised for students.
- One student participated in Adventure Camp held at Jaisalmar, Rajasthan during Jan, 2011 through NSS
- Participated as contingent Leader in National Integration Camp held at Tirurangadi, Mallapuram District, Kerala during Dec,2008.
- Participated in UGC Workshop on capacity building of women managers in higher education organized by Centre for Extension Studies, S.V. University, Tirupati during 28<sup>th</sup> Oct to 1<sup>st</sup> Nov,2009
- Participated as contingent Leader in Winter Adventure camp held at Atal Bihari Vajpayee Institute of Allied Sports , Manali, Kullu District, Himachal Pradesh during Feb,2011.
- Participated in NSS Orientation and Training Programme Organised by NSS Orientation & Training Centre, Andhra University, Vizag during 24<sup>th</sup> – 29<sup>th</sup> June,2011
- Participated as AP Female contingent Leader in Pre –RD Camp held at D.N.R. College, Bhimavaram ,West Godavari District, Andhra Pradesh during Oct,2011
- Participated as Resource person for NSS Orientation and Training Programme organised by NSS Orientation and Training Centre, Andhra University, Vizag.
- Many of the students have participated in NCC Camps

**35. Give details of “beyond syllabus scholarly activities” of the department.**

- Involved the students in student study projects related to Population, Food Grains
- Organizing Workshops and seminars
- Organizing field trips to students regarding production process Quality Control & Design of experiments.

**36. State whether the programme/ department is accredited/ graded by other agencies. Give details. NIL**

### **37. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

#### **Strengths:**

- The Staff are well experienced
- The Staff are Young ,energetic and Dedicated to work
- Guest Lectures are conducted regularly to develop interest in the subject.
- Students are encouraged to participate in Seminars & Quiz competitions.

#### **Weaknesses :**

- Majority intake of the students' are from rural background and students are lagging behind in communication Skills. They have less exposure to English Language.
- Lack of career related Programmes

#### **Opportunities:**

- Research Establishment and getting funds to strengthen the Department.
- Effective use of Web technology for student teacher progression

#### **Challenges :**

- Bright and intelligent students are attracted towards Technical Education, so there is a need to get them back to the degree colleges to study basic sciences.
- Lack of participation of students in various activities
- Retirements and need for Succession Planning

### **38. Future plans of the department.**

- Introduction of a P.G course in Statistics.
- Strengthening the department by Getting Research Projects
- The Department is planning to conduct a Two day Workshop on “Statistical Tools for Physical and Social Sciences”
- Introduction of self employable add on courses

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment:** Telugu 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A, B.Com, B.Sc., (UG)
3. **Interdisciplinary courses and departments involved:** NIL
4. **Annual/ semester/choice based credit system:** Semester System
5. **Participation of the department in the courses offered by other departments**

NIL

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Asst. Professors	03	03

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Smt. C. Deevana	M.A., T.P.T (Ph.D.)	Assistant Professor of Telugu	Modern Telugu literature	4 years
Dr. N. Rasool	M.A., Ph.D., T.P.T.	Assistant Professor of Telugu	Modern Telugu literature	4 years
Dr. N. Obi reddy	M.A., M.Phil., Ph.D., T.P.T.	Assistant Professor of Telugu	Modern Telugu literature	3 months

8. **Percentage of classes taken by temporary faculty – programme - wise information** 5% by Guest Faculty
9. **Programme-wise Student Teacher Ratio**  
80:1
10. **Number of academic support staff (technical) and administrative staff:**  
NIL
11. **Number of faculty with ongoing projects from a) national b) international**

**funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

NIL

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

NIL

**13. Research facility / centre with: NIL**

**14. Publications:**

Smt C. Deevana – some short stories, poems are published in local magazines

**15. Details of patents and income generated :**

NIL

**16. Areas of consultancy and income generated: NIL**

**17. Faculty recharging strategies:**

Participation in Seminars and Paper Presentation, Guest Lectures from out side experts

**18. Student projects**

NIL

**19. Awards / recognitions received at the national and international level by**

• **Faculty**

- Smt C. Deevana received “Uttama Mahila” award from “Sthree spoorthi” organization, Kurnool , Andhra Pradesh.
- “Telugu bhasha parirakshana” award from “The Government of Andhra Pradesh”.

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

NIL

**21. Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	325	143	173	95	96

**22. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG	10%	90%	--	--

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

NIL

**24. Student progression**

Student progression	Percentage against enrolled
UG to PG	10

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	100%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.**

NIL

**27. Present details about infrastructural facilities**

- a. Library : YES
- b. Internet facilities for staff and students : YES (for Staff)
- c. Total number of class rooms : 6
- d. Class rooms with ICT facility : NIL
- e. Students' laboratories : NIL
- f. Research laboratories : NIL

**28. Number of students of the department getting financial assistance from College.**

90% of the students covered by govt. welfare scholarships/endowments/SBF

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

NIL

**30. Does the department obtain feedback**

Yes

**31. List the distinguished alumni of the department (maximum 10)**

- Dr. B.Thriveni, Lecturer in English, K.T.S.N. Govt. Degree Colloge, Kadiri.
- Mr. G. Venkata Ramudu, Deputy Superintendent of Police.
- Mr. K. Sreenath, Asst. Manager, Quality Assurance NATCO Pharma Ltd. Hyderabad.
- Sri. J. Sreenivasulu, Advocate A.P. High Court, Hyderabad.
- Smt. K. Annapurna, Prohibition and Excise Inspector, Anantapur.
- Dr. C. Kesava Rao, Scientist R&D, NMDC, Hyderabad.
- Sri. M. Yugandhar, Assistant Manager, United Bank of India, Tirupati.
- Sri. Deelip kumar selected by DSC- School Assistant
- Sri. K. Ramu selected by DSC- School Assistant

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

- A Guest Lecture on Mahakavi Sri.Sri. Sahithyam-Samajika Drukpatham by Singamaneni Narayana, a short story writer.
- A Guest Lecture on Krishnadevaraya by Dr. H.S. Bramhananda Retired professor of Telugu, S.K. University. Anantapur.
- A Guest Lecture on Gurajada “Kanyasulkam” by Dr.R. Chandra Shekhara Reddy retired professor of Telugu, presently working at Yogi Vemana University, Kadapa

**33. List the teaching methods adopted by the faculty for different programmes.**

- 1. Lecture Method      2. Interactive Method      3. The use of charts for teaching grammar.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

By taking feedback from the students.

**35. Highlight the participation of students and faculty in extension activities.**

- **Students**

The students of the college participate in literary activities conducted by the Telugu Department and also conducted literary activities by the other local literary organizations.

- **Faculty**

- Smt C. Deevena delivered lectures on modern Telugu literature. On the occasions of Gurajada jayanthi, Gurram Jhashuva vardanthi. At jilla rachayitala sangam, Anantapur.
- Dr. N. Rasool delivered a lecture on Rayala seema kathanikalu. On the occasions of Telugu Bhasha Dinostavam. At Sahithi sravanthi, Anantapur.
- Dr. N. Obi Reddy delivered a lecture on Potana Bhagavatam. At Govt degree college, Anantapur.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Involving students in seminars, group discussions, debates etc.

**37. State whether the programme department is accredited/ graded by other agencies. Give details.**

NO

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths**

- Two teachers with Ph.D.,
- Another teacher is a creative writer
- Two Teachers with SLET clearance.

**Weakness**

- Not having a Special Telugu course for B.A.
- No active research

**Opportunities**

- Introduction of Special Telugu course at U.G. level
- Conducting National Seminars / Workshops

**Challenges**

- Enforcing strict discipline and 100% attendance in the classroom.
- Overcrowded classrooms
- Time management to complete the Syllabi within the time due to Bandhs, Strikes and unwarranted interruptions.
- Preparing the students for highly competitive examinations like Civil Services.

**39. Future plans of the department.**

- Starting special Telugu course in B.A.
- Procuring sufficient research materials.
- Conducting a national seminar.

## PROFILE OF THE DEPARTMENT

1. **Name of the Department & its year of establishment:** Zoology & 1981
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :**
  - B.Sc., B.Z.C (Botany, Zoology, Chemistry ) both Telugu and English Media and B.Sc., B.Z.C (EM only)
3. **Interdisciplinary courses and departments involved:**  
Interdisciplinary Elective : Health Management
4. **Annual/ semester/choice based credit system :** Semester system
5. **Participation of the department in the courses offered by other departments:** yes.
  - Departments of Botany, Biotechnology, MicroBiology and Chemistry
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

	Sanctioned	Filled
Associate Professors	02	02
Asst. Professors	01	01

7. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. /M.Phil. etc.)**

Name	qualification	Designation	Specialization	Experience
Dr.B.Sivarama Krishna	M.Sc.,M.Phil., Ph.D.	Associate Prof.	Animal Physiology	29 years
Dr.S.Murali Mohan	M.Sc.,Ph.D.,	Associate Prof.	Marine Zoology	29 years
E.Sireesha	M.Sc., B.Ed.,	Assistant Prof	Animal Physiology	7 years

8. **Percentage of classes taken by temporary faculty – programme-wise information** - 10% by guest faculty
9. **Programme-wise Student Teacher Ratio**  
48:1
10. **Number of academic support staff (technical) and administrative staff:**  
sanctioned and filled: Lab assistants 2.

**11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise : Nil**

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received : Nil**

**13. Research facility / centre with : Basic research facility is available but not recognized: Nil**

**14. Publications:**

- Number of papers published in peer reviewed journals (national / international) :

Dr. B.Sivarama Krishna : 20+10 = 30

Dr. S.Murali Mohan: 4+2 = 6

- Chapter(s) in Books:

**Dr. B. Sivarama Krishna:**

- 2 Chapters (Titled Text Book of Zoology, Spectrum Publications - (ISBN-978-93-80831)
- Text Book of Zoology – B.Sc., I & III year - Spectrum Publications

**Dr. S.Murali Mohan:**

- 2 Chapters (On going book titled Text Book of Zoology Spectrum Publications AN ISO 9001:2008 Certified company, 326/C, S.R.Nagar, Hyderabad-38.)

- Editing Books : 3 books by Dr.B.Sivarama Krishna
- Impact factor – range / average 1.02

**15. Details of patents and income generated : Nil**

**16. Areas of consultancy and income generated :Nil**

**17. Faculty recharging strategies: Adopted the following strategies to recharge and update:**

- Participation in national and international seminars, workshops and symposia
- Attending orientation courses conducted by Academic staff colleges
- Study tours to Research Centers along with students and study field trips.
- Discussions and interactions with resource persons invited to seminars or guest lectures on recent trends.

**18. Student projects**

- **percentage of students who have done in-house projects including inter-departmental: 5%.**
- **percentage of students doing projects in collaboration with industries / institutes : 5%**

**19. Awards / recognitions received at the national and international level by**

- Dr.B.Sivarama Krishna, was awarded State Meritorious Teacher award by the Government of Andhra Pradesh in 1994 and Best Scientist award by National Environmental Science Academy, New Delhi.

**20. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any.**

- A Seminar on Career Opportunities in Life Sciences by Prof. Dayanand, HCU. HYD Funded by the College Management:
- One day seminar on B-Cell & T-Cell pattern of antigen reorganization, responses & consequences by Dr.D.V.R.Prasad, YV University, Kadapa Funded by the College Management:
- A Workshop on PCR Technology : Funded by the College Management
- Workshop on Fruit Preservation Technology : Funded by the UGC-CPE grant.

**21. Student profile course-wise:**

Name of the Course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Sc.,	115	29	82	75%	79%

**22. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.,	10%	90%	Nil	Nil

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?**

- Ramanujam Fellowship – 1
- NET - 1
- APSET - 1
- INSPIRER fellowship awarded by DST - 1
- State Civil services - 3

#### 24. Student progression

Student progression	Percentage against enrolled
UG to PG	18%
PG to M.Phil.	2%
PG to Ph.D.	5%
Ph.D. to Post-Doctoral	1-2%
Employed	
Campus selection	2%
Other than campus recruitment	40%
Entrepreneurs	2-5%

#### 25. Diversity of staff

Percentage of faculty who are graduates	
from other universities within the State	100%

#### 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

NIL

#### 27. Present details about infrastructural facilities

- a. **Library:** Good general library with more than 450 titles, 3 journals and good number of reference books. Adequate departmental Library with 150 titles and 190 volumes
- b. **Internet facilities for staff and students :** Yes, internet is available both in staffroom, and classroom
- c. **Total number of classrooms:** 2 laboratories cum classrooms and 1 smart classroom
- d. **Class rooms with ICT facility :** Smart classroom with information and communication technology is available to the students with a computer, internet and LCD projector
- e. **Students' laboratories:** Two
- f. **Research laboratories :** One

#### 28. Number of students of the department getting financial assistance from College:

90% of the students covered by govt. welfare scholarships/endowments/SBF

#### 29. Was any need assessment exercise undertaken before the development of new program(s)?

NIL

### 30. Does the department obtain feedback from

- a. The Department obtains feedback from students, colleagues and through self-reflection. It frames/updates the curriculum and evaluation methods based on the need and the same is placed in its Board of Studies meeting with subject experts. The curriculum approved by the Board of studies will be placed before Academic council. The council with experts drafted from different fields will approve the same with or without modification after fruitful discussions. The department will bring in the necessary changes in curriculum or evaluation methods, if suggested in Academic Senate.
- b. The students are at liberty to express their opinion whether the topic delivered was understood by him or not. Hence it is a continuous feedback for staff. This facilitates the teacher for continuous assessment. Feedback is also obtained after completing the instruction in a specified format. The information in the form of feed back is analyzed, interpreted and discussed in staff meetings and flaws are rectified/suggestions if found worthy are implemented.
- c. **Alumni feedback:** Alumni openly admit whether the curriculum they studied was relevant to their career (Or) not.

We solicit Suggestions from alumni either individually or in a group. The Department invites alumni to interact with present students to share their experiences and their suggestions are taken on present curriculum, teacher and learning abilities of students and are used in strengthening the department.

#### **Employer feedback:**

- As the college is managed by a Trust, The Correspondent and the secretary of the college continuously monitors the department.
- Staff meetings are conducted frequently.
- Results, student progress, discipline and the role of department in strengthening the college as a unit, and department in particular are discussed
- Suggestions and instructions given to the department in general and individual faculty member in particular will be discussed in the Department staff meetings and will be implemented in Toto.

### 31. List the distinguished alumni of the department (maximum 10)

- Dr. D.Vijaya Raghava Prasad (Ramanujam Fellow), Associate Professor, Yogi Vemana University, Kadapa, A.P
- T.K.Ramamani, Dy.Collector, DRDA, Anantapur.
- B.Chandra Shekar Naidu, Project manager, Tech Mahindra, Pune
- G.V.Sarathi Babu, Assistant General Manager, MSN Pharma, Hyderabad.
- P.Mahesh Kiran, India Head L&D, Unisys's Technologies, Bengaluru.
- Mrs.Suneetha,R.D.O, A.P. Secretariat , Hyderabad
- Dr. Jayant Babu , Dentist, Dharmavaram
- G. Rajendra Prasad, Inspector of Police, Rayachoti, Kadapa District, A.P.
- S. Baba Fakruddin, Junior Civil Judge, Rayachoti, Kadapa District, A.P.
- Y. Venugopal Reddy, Municipal Commissioner, Gadwal.
- Dr.U.Ramesh, Scientist. IICT, Hyderabad

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts**

- Diversified programmes to enrich students are taken up by the department under zoology club named 'PURSUIT'
- The club organizes Quiz programmes, Student seminars and carries out extension activities to enrich the knowledge of students and keep them abreast of the latest who is who, what is what in the competitive world.
- Two work shops were organized to make them aware and learn expertise in the field which is highly demanding and in vogue at present *Viz.*, a) Hands on PCR Technology. b) Food preservation technology.
- The students were selected to participate in seminars and quiz competitions conducted in different colleges where they have published papers and won prizes.
- As part of extension education the students were taken to organizations viz.,
  - AP Dairy Development Corporation to make them learn the technology of milk processing and preservation
  - Dr. N.G. Ranga Agriculture University, Rekulakunta, to gather first hand information on vermi compost preparation
  - Awareness programmes and seminars were arranged by experts in their respective fields to impart academic support and knowledge about health, environment, personality development, soft skill development, career counselling *etc.*,

**33. List the teaching methods adopted by the faculty for different programmes**

Apart from regular Black board teaching we employ different teaching methods to teach different topics to make the topic more meaningful and interesting *Viz.*,

- Using working models and still models
- Using roll up charts
- Using OHP
- Using LCD
- Adopting traditional questioning method and flash cards
- Providing E-resources.

**34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored**

Learning outcome is monitored by

- student oral response
- student evaluation by both internal assessment and external assessment
- repetition of the content for those who desire and for the benefit of slow learners.
- peer evaluation of assignments submitted by slow learners. This provides an opportunity for the Peers to go through the subject during evaluation which will be a sort of repetition for advance learners.

- It also gives insight regarding the quality & standard of the slow learners, so that necessary steps will be taken for improving the academic standards of slow learners.

### **35. Highlight the participation of students and faculty in extension activities**

- The students are encouraged to participate in various curricular, co-curricular and extra-curricular activities especially in the community service.
- They are encouraged to donate blood to the needy. The Govt. hospital and nearby colleges depend on the department of Biology for rare blood groups and emergency blood donation which maintains the data base for the same.
- Dr.S.Murali Mohan, himself served as an NSS programme officer, NSS District Programme Officer, President, Lions Club Of Anantapur, Secretary, Bharath vikas parishad, Anantapur, Life member, Red cross Society, Anantapur, District Coordinator CTAP encourages students to participate in various activities pertaining to service. Associated with a permanent project named ‘**Vikalong punarvas yojana**’ under the aegis of BVP that distribute working limbs (artificial) every year to (minimum 25) beneficiaries on the birth day of Swami Vivekananda. He is also a blood donor and has donated blood 57 times till date.
- Dr.B. Sivarama Krishna of the Department was a Judge, District level science fairs and associated with training students, with their project work. Organized state level adolescent quiz.
- The students bagged prizes in cultural activities both at university and state level.
- Science exhibition was conducted to local school children by the Department.
- School teachers are given training under Lab to Land programme under CPE.
- As programme officer Dr.S.Murali Mohan organized Blood grouping and free dental camps in villages -Bommeparthy and Itukalapally.

### **36. Give details of “beyond syllabus scholarly activities” of the department**

Department follows the following methods meticulously regarding ‘beyond syllabus scholarly activities’:

- Interactive sessions with Alumni, who are pursuing higher education or settled in different fields such as teaching, research, entrepreneurship, working with pharmaceutical companies, trainers in corporate sector and in Government services.
- Involving the students in student project works.
- Organizing workshops and seminars with resource persons of good repute in their field.
- Made it a point to impart ethical values by arranging sessions with eminent people who are experts in this field.
- Involving students in the preparation of models using their creativity.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details:** No

**38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the Department:**

**Strengths:**

- Motivated, well qualified, experienced and Committed staff.
- Well equipped modern Labs, spacious classrooms that provide good ambience for both the student and the teacher
- Study environment, updated, responsive curriculum, employee involvement with Student learning activities, student-centered learning resources.
- Endowment scholarships for Zoology students and Gold medals to encourage students.
- Affordability, accessibility, variety instructional delivery modes, career and personnel counseling, remedial coaching, respect, and recognition in the student community & society.

**Weaknesses:**

- Missing the guidance of senior staff due to Superannuation
- Dependence on part-time faculty coupled with heavy workload.
- Lack of strong career-related programs
- Lack of effective communication skills with students, as many of them come from Telugu medium and rural areas with little or no exposure to English

**Opportunities:**

- To impart practical training in job/employment oriented programmes like vermin-compost, Fish and prawn processing and preservation
- Using student assessment results to improve program quality. Expand student activities. Increase tutoring for student success.
- Introduction of Add on courses based on the local needs to strengthen the student employability
- Effective use of web technology for the student and the teacher progression
- Reunions as opportunities to reconnect with alumni and strengthen the department.

**Challenges:**

- Coping with the modern trends in science and technology.
- Drift of intelligent students to other areas after +2 level is leading to the entry of mediocre students into basic science degree programmes.
- Low sense of participation of students in various activities
- Lack of awareness amongst students
- Attracting creamy students towards basic science and improving communication problems.

### **39. Future plans of the department.**

- Proposal to start M.Sc., Zoology
- Establishment of a Research Center
- Introduction of self-employable add on courses viz., Lab technician course, food processing and preservation etc.,
- Strengthen the department with equipment and literature by getting research projects
- Involving more number of students in basic research

## GLOSSARY

AC	Academic Council
ADNE Trust	Anantapur District National Education Trust
AIDS	Acquired Immune Deficiency Syndrome
ANU	Acharya Nagarjuna University
APPSC	Andhra Pradesh Public Service Commission
APSCHE	Andhra Pradesh State Council for Higher Education
BA	Bachelor of Arts
BARC	Bhabha Atomic Research Center
BBM	Bachelor of Business Management
<b>BOS</b>	Boards of Studies
BPL	Below Poverty Line
CA	Computer Applications / Chartered Accountancy
CBIDE	Choice Based Inter Disciplinary Electives
CCE	Commissioner for Collegiate Education
CDs	Compact Discs
CDC	College Development Council
CE	Controller of Examinations
CIE	Continuous Internal Evaluation
CPE	College with Potential for Excellence
CRIDA	Central Research Institute Dry Land Agriculture
DBT	Department of Bio-Technology
DOA	Directorate of Admission
DGS&D	Directorate General of Supply and Disposal
DMRL	Defense Metallurgical Research Laboratory
Dr. BRAOU	Dr. BR Ambedkar Open University
DRDA	District Rural Development Authority
DWACRA	Development of Women And Children In Rural Areas
DSC	District Selection Committee
EAMCET	Engineering, Agricultural And Medicine Common Entrance Test
EFLU	English and Foreign Languages University
FIP	Faculty Improvement Programme
FIST	Fund for Improvement of Science and Technology
GB	Governing Body
GMAT	Graduate Management Admission Test
GRE	Graduate Record Examination
HIV	Human Immuno deficiency Virus
ICDS	Integrated Child Development Society
ICET	Integrated Common Entrance Test
ICHR	Indian Council for Historical Research
ICPR	Indian Council of Philosophical Research
ICT	Information and Communication Technology
IGCAR	Indira Gandhi Centre for Atomic Research
IGNOU	Indira Gandhi National Open University
IISC	Indian Institute of Science
IIIT	Indian Institute of Information Technology
IRCS	Indian Read Cross Society
ISBN	International Standard Book Number
IQAC	Internal Quality Assurance Cell

JNTUA	Jawaharlal Nehru Technological University Anantapur
LAN	Local Area Network
LAWCET	LAW Common Entrance Test
LCD	Liquid Crystal Display
MoU	Memorandum of Understanding
MPHIL	Master of Philosophy
MPLADS	Member of Parliament Local Area Development Scheme
NAAC	National Assessment and Accreditation Council
NCC	National Cadet Corps
NET	National Eligibility Test
NGO	Non-Governmental Organization
NIC	National Integration Camp
NSDC	National Skill Development Corporation
NSS	National Service Scheme
OD	Organizational Development
OHP	Over Head Projector
OLAPS	On Line Analytical Processing System
OPAC	Open Periodical Access Catalogue
PDP	Personality Development Programme
PTAC	Part-time Teachers Attending Conferences
RDT	Rural Development Trust
REDS	Rural Environmental Development Society
RGNIYD	Rajiv Gandhi National Institute of Youth Development
RUDSETI	Rural Development and Self Employment Training Institute
SAGE	Sai Allied Grameen Empowerment
SBF	Sai Benevolent Fund
SAP	Special Assistance programme
SED	Student Evaluation Division
SLET	State Level Eligibility Test
SKIAD	Sri Krishnadevaraya Institute of Academic Development
SVURCET	Sri Venkateswara University Region Common Entrance Test
SVYASA	Swamy Vivekananda Yoga and Spiritual Attainment
SSPL	Solid State Physics Laboratory
TCS	Tata Consultancy Services
TOEFL	Test of English as Foreign Language
UG	Under Graduate
UGC	University Grants Commission
UDF	University Development Fund
VLSI	Very Large Scale Integration
VIT	Vellore Institute of Technology
WEC	Women Empowerment Cell