

**INSTITUTIONAL ACCREDITATION
SELF STUDY REPORT (SSR)**

SUBMITTED TO
NATIONAL ACCREDITATION AND ASSESSMENT COUNCIL
An Autonomous Institution of the University Grants Commission

P.O.Box No. 1075, Nagarbhavi

Bangalore – 560072

By



Padmasri Dr.B.V.Raju Institute of Computer Education
(Affiliated to Adikavi Nannaya University, Rajahmundry)

Vishnupur, BHIMAVARAM – 534202

Andhra Pradesh

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PREFACE

Padmasri Dr. B.V. Raju Institute of Computer Education (BVRICE) is an amalgamated element of the constellation of institutions, under the auspices of Sri Vishnu Educational Society, SVES. The institution was started in 1999 with a broad idea of disseminating computer based education to the rural youth. Team BVRICE strives for precision in imparting cost-effective value education to every rural doorstep in and around Bhimavaram. Training in academics along with all round development propels students to contend in the competitive world with confidence.

Amid six other institutes BVRICE is located in a serene stretch of 100 acres, at Vishnupur, Bhimavaram, in the West Godavari district of Andhra Pradesh. The College is affiliated to Adikavi Nannaya University, Rajahmundry (ANUR), and offers seven multi-disciplinary undergraduate courses, four in the stream of Mathematical Sciences, two in Life Sciences and one in Commerce. Masters of Computer Applications and Master of Science in Organic Chemistry are the two postgraduate programs offered. In addition, two add – on certificate courses of Audio Visual Communication and Bakery & Confectionery are also offered with three months duration.

Founded by Late Padmabhushan Dr. B.V. Raju, a renowned cement industrialist, educationist and philanthropist, BVRICE is reinforced by its steering members headed by the Chairman Sri K.V. Vishnu Raju, and bolstered by Vice-Chairman Sri R. Ravichandran, Secretary Sri P. Krishna Ganga Raju and Joint Secretary Sri K. Aditya Vissam.

The Chairman Sri. K.V. Vishnu Raju carries the torch of vision of his grandfather Late Dr.B.V.Raju. He had also inherited the dynamism, diligence, stamina and the perseverance of his grandfather. He is a tough taskmaster expecting everyone to perform to his or her potential. He is large-hearted, always willing to invest whatever it takes for the holistic development of students, especially the economically backward. Presently, he is working incessantly and tirelessly towards the up-gradation of all the present colleges and the setting up of research parks to encourage innovation and out-of-the-box thinking.

To realize its vision of excellence in education, the college has the guidance of a visionary management, provides state of the art infrastructure, has highly experienced, qualified, and dedicated faculty supported by competent supporting and administrative staff. In addition to the curriculum prescribed by ANUR, the campus facilitates the student community the value addition through labs like Assistive Technology Lab run in collaboration with U Mass, Massachusetts, courses in foreign languages in collaboration with Goethe Zentrum Hyderabad and Language Labs, Chennai and Virtusa - "Center of Excellence". As the campus is an integrated campus comprising of two engineering colleges, one dental college, one pharmacy college and a polytechnic the specialized labs and equipment can be utilized by BVRICE students also to promote and update themselves with state of the art technology.

Sri Vishnu Educational Society has made concerted efforts to realize its goal of excellence in education and social outreach. The society has been the Winner of Asia Pacific Quality Organization (APQO) - Best in Class Award 2012, the second highest in the education sector in 2012 and has been awarded the Winner of "IMC Ramkrishna Bajaj National Quality Trophy" 2011 - Highest Quality Award in Education Sector.

SWOC Analysis:

The institution conducted its SWOC analysis for its better performance and functional modalities and the same is shown below:

STRENGTHS

- Dedicated faculty
- Professionally oriented and visionary management
- Reachable location
- Good academic environment
- Suitable timings
- Teamwork
- Value addition
- Good infrastructure
- Visionary management

WEAKNESSES

- Economic surveillance
- Low level academic standards of students
- Being from rural area, the students are striving to meet national and global standards in higher education and facing language barriers.
- Low tendency towards motivation
- Lack of communication skills due to shyness
- Lack of adequate financial resources to depute more number of faculty to FIP
- Institute needs to upgrade its teaching community for better quality research publication
- Financial restraints due to constrained fees to set up the state of art laboratories for R & D.

OPPORTUNITIES

- More placement opportunities for degree holders
- Regular training on communication skills

- Availability of expert trainers in the campus
- Broader exposure to advanced technologies
- More add – on courses may strengthen the student employability

CHALLENGES

- Low student standards and high expectations of recruiters
- Institute has competition from other technical and management educational institutes, and ultimately has to survive as unique identity
- Narrow mindedness of students & and uneducated/ less educated parents
- Economic concerns of students
- Mushrooming of engineering colleges reduces admissions in degree colleges
- Less interest in boys hinders expansion.

In the light of the above ground realities we wish to submit the Self Study Report of our institution for Accreditation through NAAC for an appraisal of our performance in the field of education. This would help us in the fulfillment of our intention in transforming the potential talent of students and staff into quality resources for the advancement of the society.

Part-B: Profile of Affiliated College

1.Profile of the Affiliated/Constituent College

1. Name and Address of the College:

Name:	Padmasri Dr.B.V Raju Institute of Computer Education		
Address:	Vishnupur , Kovvada, Bhimavaram, West Godavari District.		
City:	Pin:534202	State:Andhra Pradesh	
Website:	www.bvricedegree.edu.in		

2. For Communication:

Designation	Name	Telephone withSTDcode	Mobile	Fax	Email
Principal	Dr.Ch.V Srinivas	O:08816-250861 R:08816-224176	9949433564	08816-250863	Principal@bvricedegree.edu.in
VicePrincipal	Ch.S.V Satyanarayana	O : P	9441075996		Chedalada9@gmail.com
Steering Committee coordinator	B.S.Seshagiri Rao & Dr.D.Ravisankar		9492741372 9642861336		Bssrao2011@gmail.com Ravi.bvrice@gmail.com

3. Status of the

Institution: Affiliated
College
Constituent College

Any other
(specify)

4. Type of Institution:

a. By Gender

i. For Men

ii. For Women

iii. Co-education

b. By Shift

i.Regular

- ii. Day
- iii. Evening

5. Is it a recognized minority institution?

Yes

No



If yes specify the minority status(Religious/linguistic/anyother)andprovide documentary evidence.

Sources of Funding:

Government

Grant – in - aid

SelfFinancing

Anyother



7. a.Date of establishment of the college: 29-09-1999 (dd/mm/yyyy)

b.University to which the college is affiliated/or which governs the college
(If it is a constituent college)

Adikavi Nannaya University ,Rajahmundry

c.Details of UGC recognition:

UnderSection	Date,Month&Year (dd-mm-yyyy)	Remarks(Ifany)
i.2(f)		Submitted
ii.12(B)		Submitted

(Enclose the Certificate of recognitionu/s2(f)and12(B)oftheUGCAct)

d.Details of recognition/approval by statutory/regulatory bodies other than UGC (AICTE,NCTE,MCI,DCI,PCI,RCIetc.)

UnderSect ion/ Clause	Recognition/Approval details Institution/Department Programme	Day,Month andYear (dd-mm-yyyy)	Validity	Remarks
i.	AICTE - MCA	07.04.2015	1 year	

(Enclose the recognition/approval letter)

8. Does the affiliating university Act provide for conferment of autonomy(as recognized by the UGC),on its affiliated colleges?

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. Is the college recognized

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

Yes No

If yes, date of recognition:.....(dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes No

If yes, Name of the agency.....and

Date of recognition:.....(dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location*	Rural
Campusareainsq.mts.	68,400 sq.mts
Builtupareainsq.mts.	6482 Sq.mt

(*Urban,Semi-urban,Rural,Tribal,HillyArea,Anyothersspecify)

11. Facilities available on the campus (Tick the available facility and provide numbers of other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium/seminar complex with infrastructural facilities√√
- Sports facilities
 - * play ground√
 - * swimming pool √
 - * gymnasium√

- Hostel

- *Boys' hostel

- i. Number of Hostels
- ii. Number of inmates
- iii. Facilities (mention available facilities)

- *Grls' hostel✓

- i. Number of hostel- 1

- ii. Number of inmates

60

- iii. Facilities (mention available facilities): Reading Room/ Recreation Room, games & sports, Kiosks, spacious dining halls etc.

- * Working women' s hostel

- i. Number of inmates
- ii. Facilities(mention available facilities)

- Residential facilities for teaching and non-teaching staff (give numbers available—cadrewise)
- Cafeteria—✓
- Health centre—✓

First aid, Inpatient, Outpatient, Emergency care facility,

Ambulance... Available

Health centre staff— 05

Qualified doctor Fulltime Part-time

Qualified Nurse Fulltime Part-time

- Facilities like banking, post office, book shops✓
- Transport facilities to cater to the needs of students and staff✓
- Animal house
- Biological waste disposal✓
- Generator or other facility for management/regulation of electricity and voltage✓

- Solid waste management facility
- Waste water management ✓
- Water harvesting ✓

12. Details of programmes offered by the college (Give data for current academic year) 2015 - 16

Sl. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted
1	Under-Graduate	B.Sc/B.Com	3 years	Intermediate	English	410	480
2	Post-Graduate	M.Sc MCA	2 years 3 years	Graduation	English	30 120	30
3	Integrated Programmes PG	---	--	--	--	--	--
4	Ph.D.	--	--	--	--	--	--
5	M.Phil.	--	--	--	--	--	--
6	Certificate courses	1. Audio visual Communication 2. Bakery	3 months	Intermediate	English	30 each	
7	UG Diploma	--	--	--	--	--	--
8	PG Diploma	--	--	--	--	--	--
9	Any Other (specify and provide details)	--	--	--	--	--	--

13. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

14. New programmes introduced in the college during the last five years, if any?

Yes	√	No		Number	3
-----	---	----	--	--------	---

15. List the departments :(respond if applicable only and donot list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Mathematics,Physics,Chemistry, Computer Science, Electronics, Statistics,Biotechnology,Biochemistry, Chemistry , Microbiology, English, Sanskrit. Etc)	06	01	
Arts	--	--	--	--
Commerce	Commerce Dept	01	--	--
AnyOther (Specify)	Computer Science MCA	--	01	--

16. Number of Programme suffered under (Programme means a degree course like BA,BSc,MA, M.Com...)

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

system

17. Number of Programmes with

- a. Choice Based Credit System
- b. Inter/Multidisciplinary Approach
- c. Any other(specify and provide details)

6. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

If yes,

a. Year of Introduction of the programme (s).....(dd/mm/yyyy)

and number of batches that completed the
programme

b. NCTE recognition details(if applicable)

Notification

No.:.....Date:

.....(dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Teacher Education

Programme separately? Yes

No

19. Does the college offer UG or PG programme in Physical Education?

Yes No

If yes,

a. Year of Introduction of the programme (s).....(dd/mm/yyyy)

and number of batches that completed the
programme

b.NCTE recognition details(if applicable)

Notification

No.:.....Date:

.....(dd/mm/yyyy)

Validity:.....

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes No

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non teaching staff		Technical staff	
	Professor		Associate Prof.		Assistant Prof.		*	*	*M	*F
	*M	*F	*M	*	*M	*F	*	*	*M	*F
Sanctioned by the UGC/University/ State Government <i>Recruit</i>										
<i>Yet to recruit</i>										
Sanctioned by the Management/ society or other authorized bodies <i>Recruited</i>	1		5		31	16	06	02	06	02
<i>Yet to recruit</i>	1	--	4	--	30	16	06	02	06	02
<i>Yet to recruit</i>			01		01					

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	01		01				
M.Phil.				1			
PG			3		31	16	53
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							

Ph.D.							
M.Phil.							
PG							

22. Number of Visiting Faculty/Guest Faculty engaged with the College.

06

23. Furnish the number of the students admitted to the college during the last four academic years.

Category	2011 - 12		2012 - 13		2013 - 14		2014 - 15	
	Male	Femal	Male	Femal	Male	Femal	Male	Femal
SC	2	4	4	6	10	6	09	10
ST	1	1	1	03	02	--	02	03
OBC/EBC	49	47	63	64	75	78	8	96
General	60	67	76	110	78	19	108	120
Others								

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located	480	135	---	---	615
Students from other states of India	---	---	---	---	---
NRI students	---	---	---	---	---
Foreign students	---	---	---	---	---
Total	480	135			615

25. Drop out rate in UG and PG (average of the last two batches)

UG

12

PG

4

26. Unit Cost of Education

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

(a) including the salary component

Rs.8765.55

(b) excluding the salary component

Rs.3504.31

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes No

If yes,

a) Is it a registered centre for offering distance education programmes of another University?

Yes No

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes No

28. Provide Teacher-student ratio for each of the programme/course offered
B.Sc. – 1: 28, B.Com – 1:30

29. Is the college applying for Accreditation?

Cycle

Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

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

Cycle 1: (dd/mm/yyyy) Accreditation

Outcome/Result Cycle 2: (dd/mm/yyyy)

Accreditation Outcome/Result Cycle 3:

(dd/mm/yyyy) Accreditation Outcome/Result.....

****Kindly enclose copy of accreditation certificate(s)and peer team report(s)as an annexure.***

31. Number of working days during the last academic year.

220

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

180

33. Date of establishment of Internal Quality Assurance Cell

(IQAC) IQAC 29.4.2015

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i)(dd/mm/yyyy)

AQAR (ii)

.....(dd/mm/yyyy)

)AQAR

(iii).....(dd/mm/yyyy)AQAR

(iv)(dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include.(Do not include explanatory/descriptive information)

Part-C: Criteria-wise Inputs

CRITERION – I

CURRICULUM ASPECTS

1.1 Curricular Planning and Implementation

1.1.1 State the Vision, Mission and Objectives of the Institution, and describe how these are communicated to the students, teachers, staff and other stakeholders

Vision: To impart quality education to learn and earn in sustained impulse

Mission:

- To encourage learning of by on and for all of
- To inculcate academic excellence through innovative practices, self confidence and discipline through extracurricular activities.
- To create enthusiasm for self employment.
- To provide more hands on experience to students,
- To inculcate and develop an academic spirit that serves the demands of the industry needs.
- To develop Padmasri Dr.B.V.Raju Institute of Computer Education (BVRICE) as a Center of Excellence in Science.
- To deliver higher education that includes new methodologies to meet the global requirements.
- To apply professional expertise in moulding students.
- To train the students in life skills that are essential in fostering useful thoughts and employability prospectus.
- To continuously upgrade the overall development of every student.

The vision and mission of the institute are displayed on special sign boards and even mentioned on all the printed material.

Objectives:

- To foster and develop an academic team to cater the ever increasing demands of the Industry needs.
- To develop the institution as nationally reputed center of Excellence.
- To establish centers of excellence in frontier areas of research, and design innovation centers with industry collaboration.
- To design and implement educational system adhering to outcome based models.
- To deliver higher education that includes technologies and meeting the global requirements.
- To apply the professional expertise to the increasingly complex situations.
- To conduct national conferences / seminars / workshops in collaboration with professional bodies for creation of avenues for research exchanges and innovation.
- To indigenize the global technological solutions and develop the products, and services that transforms the standard of living of rural India.
- To provide skills through curriculum and training that are essential in fostering entrepreneurial thoughts and employability prospectus.
- To continuously upgrade overall quality of the Institute based on aspects of regular feedback from the stake holders.

1.1.2 How does the institute develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- The College Academic Committee conduct frequent meetings with the Heads of the Departments and staff members to come out with various strategies for effective implementation of the curriculum.
- All faculty members prepare course files for each subject.
- The Structure of the Course File:

S.No	Content
1	Syllabus copy
2	Academic calendar
3	Course Timetable
4	Course Outcomes
5	Handout
6	Lecture notes
7	Copies of OHP/PPT
8	Question Papers of Internal Examination Tests, Assignments and Tutorials
9	Three Samples of Answer Scripts
10	University Question Papers of previous two years (Regular & Supplementary)
11	Attendance Registers
12	Result Analysis

- A detailed lecture schedule and lecture notes are prepared by the faculty members concerned and frequent departmental meetings are conducted to ensure effective curriculum delivery as per schedule.
- Department faculty members are encouraged to impart the curriculum through innovative teaching methods like giving assignments, Power Point Presentations, conducting seminars, workshops and Industrial visits apart from regular teaching methods.
- Depending on the University Academic Calendar, faculty will prepare lesson plan for day to day lecture.
- Frequent review meetings are conducted at the department level and at the college level to assess whether the activities are being conducted as per the academic calendar.
- English communication classes are conducted for the students from rural background for effective communication.
- Foreign Languages Learning Program is conducted for the students for their higher studies.
- Astronomy Club and Department Clubs are encouraging the students to enhance their inherent skills apart from their regular curriculum.

1.1.3 What type of support (Procedural and Practical) do the teachers receive (from the university and/or institution) for effectively translating the curriculum and improving teaching practices?

- The University conducts workshops to the faculty members of affiliated colleges whenever it introduces a new curriculum.
- All the departments are equipped with the following resources to promote better teaching: **Wi-Fi Internet, LCD, foreignJournal accessing.**
- The departments also conduct workshops on latest topics and encourage the faculty to participate in those workshops.
- On Duty leave is granted to all those faculty attending workshops / Conferences and also bears the expenditure incurred towards registration fee, traveling and boarding.
- The college also arranges lectures on research methodologies by eminent academicians to promote research activities in the departments and also enrich their delivery of incorporating research aspects of the subjects.
- The college procures text books suggested by the faculty members and also subscribes to various journals and technical magazines to provide effective tool for the instruction delivery.
- The advanced labs like ATL labs and Mobile Computing are setup in the college to promote research among the faculty to strengthen the curriculum delivery by way of conducting practical sessions.
- The Digital Library facility is provided to the staff members to prepare and update the course contents and the college also subscribes to a large number of journals for usage by the faculty beyond the college hours also.
- Faculty members are encouraged and given incentives to publish papers in reputed national/international journals.
- Center of Excellence for e-resource development and deployment (CoEeRD) has been effectively used to address the changing in learning trends in engineering.

- To supplement classroom lectures of various courses in the UG program and to enhance the students' strength, college is facilitating NPTEL Lectures.
- Faculty members are encouraged to attend on-line Faculty Development Programmes conducted by National Mission on Education through ICT
- Our college takes support from the external sources like IUCEE to improve the academic strengths of the faculty as well as students.
- Advanced teaching facilities such as smart class rooms, video/audio facilities, technical video resources (video CDs, DVDs) are provided for effective delivery of the subject to the students.

1.1.4 Specify the initiative taken up or contribution made by the institution for effective curriculum delivery and transaction on the curriculum provided by the Affiliating University or other statutory agency.

- Frequent Industrial visits to nearby industries are arranged to provide practical exposure to the students on the subjects in the curriculum.
- Students are sent to various industries for the internships/trainings.
- The departmental associations conduct seminars, group discussions, and technical quizzes to effectively implant the knowledge in student's minds.
- The college organizes expert lectures on various subjects by inviting faculty from various fields to share their knowledge.
- Remedial classes and study hours are conducted for slow learners in every subject to bring them on par with the other students.
- CDC (Career Development Cell) of institution will provide necessary training in technical and general aspects for the employability of the students.
- Students are encouraged to participate in various technical events/competitions conducted in-house and outside campuses.
- Vishnu 200 kwp Solar Plant has been setup for the continuous power supply.
- Best teacher awards are given to the faculty members in each department to encourage effective teaching ability.

1.1.5 How does the institution network and interact with beneficiaries such as Industry, research bodies and the university in effective operationalization of the curriculum.

- The institution has Placement cell which networks and interacts with the representatives of industry. The HR managers and industry professionals are regularly invited to the campus to interact with the students on career challenges and opportunities.
- As part of industry institute interface, regular industrial visits and educational tours are organized for the students to bridge the gap between industry and institute.
- As an affiliated college to ANUR, we follow the syllabus prescribed by the university. However, timely modifications are made to meet the global needs through curriculum update, Projects, Value-added courses, Industrial visits, Guest Lectures, Workshops, Faculty Development Programmes, participation in Seminars, Symposia, Technical fests, and conferences by students and faculty.
- MOUs are signed between BVRICE and related industries/ research organization for effective transfer of technical knowledge.

S.No	Organization	Nature of collabration
1	Infotech Enterprises LTD, Hyderabad	Training
2	Talentsprint	Training
3	Virtusa Consulting Services pvt.LTD, Hyderabad	Training
4	Jawhar Knowledge Center (AP Society for Knowledge Networks), Hyderabad	Carrier guidance and placements
5	Jugular Social Media pvt.LTD, Bangalore	Training and Internships
6	Empowerm Mobility Solutions pvt. LTD, Hyderabad	Training and Internships
7	Vennar Ceramics LTD, Perikagudem, Krishna Dist., A.P	Training and Internships

- Workshops/lectures are arranged by tying up with the industries/research organizations on the latest curricular subjects.

- The departments take the help of Alumni Association and Training & Placement cell to maintain professional relations with the representatives of industry.
- A few members of the college faculty are actively involved in the curriculum design and development whenever the university proposes the new curriculum. The college also conducts review meetings on the latest curriculum and passes on the suggestions/comments of the faculty to the University for Necessary Modifications.

1.1.6 What are the contributions of the institution and / or its staff members to the development of the curriculum by the university? (Number of staff members / departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

- Some of the senior faculty members are serving as Members of Boards of Studies of the affiliating university as well as some other autonomous colleges who impress their thoughts in designing the curriculum for under graduate courses. In most of the cases the designing of curriculum depends on the potential requirements of industry. The details of those faculty members are furnished below:

S.No.	Name of the Faculty	Subject BOS	University/ College
1	Sri K. Narayana Raju	Statistics	ANUR, and DNR College
2	Dr. D. Ravisankar	Bio Chemistry	ANUR, and St. Theresa women's college
3	Sri B.S.S. Rao	Electronics	ANUR, and DNR College
4	Sri R. Rama Rao	Computer Science	ANUR, and YNM College
5	Smt B.N.V.K.Valli	Sanskrit	KGRL College, BHimavaram
6	Sri MAE V V R Ambabu	Bio Chemistry	KGRL Collge, Bhimavaram

In addition to the faculty members' ideas the feedback from recruiters and parents also taken into consideration for better improvement of the curricular aspects.

1.1.7 Does the institution help the curriculum for any of the courses offered (Other than those under the purview of the affiliating university) by it? If 'yes' give details on the process and the courses for which the curriculum has been developed.

- **Yes**
- The curriculum and syllabi of the two add – on certificate courses(Audio Visual Communication course and Bakery & Confectionery course) are specifically designed by the concerned faculty of the institution.
- The curriculum thus developed is approved by the affiliating university and the schedule of the courses are prepared internally without disturbing the regular studies of the students.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The institution has formed communication channels among all the stakeholders to ensure that objectives of the curriculum are achieved in the course of implementation.

The achievements of stated objects of the curriculum are ensured by:

- Taking feedback from students on course outcomes.
- Taking feedback on faculty and content delivery.
- Taking exit feedback from the outgoing students on the curriculum and its implementation

The end results in the form of campus placements and higher studies prove that the stated objectives of the curriculum are achieved to the satisfaction of the stake holders.

1.2. Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

- As quoted earlier the institute is offering two add – on certificate courses of three months duration namely, Audio Visual Communication(AVC) Certificate course and Bakery & Confectionery(B&C) certificate course.
- The aim and objectives of the two certificate courses are to improve the employability of the students of the institution.
- The AVC course enhances the communication skills that help the student to achieve his/her goal with a lot of self confidence.
- The Bakery & Confectionery course turns the student into an amateur entrepreneur.
- For Skill development the institute offers integrated training for final year students which prepares the students for campus placements as well competitive exams.

In addition to these certificate courses there are foreign language courses like German, Japanese, and Spanish available in the other institutions of the same campus and the students of this institution can also pursue.

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If 'yes', give details.

No. The institution does not offer programmes that facilitate twinning/dual degree since it is affiliated to ANUR and not an autonomous institution.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability.

Skill development:

- Soft skill training is given to the students by the Internal Faculty right from 1st year. Keeping in view, the growing importance of soft skills, the college arranges training to the students from 3rd year onwards by external agencies such as TIME,

ELEPHOS, and PINNACLE along with engineering students of the sister institutions in the campus.

- Along with regular subjects, exclusive sessions are allotted in the class time tables to impart training on aptitude, verbal and soft skills.

Academic mobility:

- Industrial visits are arranged to the students to understand the applications / latest technologies related to the academic curriculum.

Progression to higher studies:

- In house AUCET, ICET coaching classes by both internal and external subject experts are conducted.

Improved potential for employability:

- To improve the potential for employability, the college is arranging systematic and continuous training programmes and frequent mock tests to the students in the final year by internal and external expert trainees.
- Internships are provided through Shri Vishnu Educational Society industrial relations to have hands on Experience in core sector for better employment.
- The institute arranges conduct of tests by external agencies like AMCAT, and provides the platform for placements in reputed companies through these tests.

1.2.4 Does the institution offer self-financed programmes? If ‘yes’ list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc..

The institution is by nature a private self financed institution and as such all courses are self financed. However, for certain courses the state government reimburses a part of the tuition fee.

The courses being offered by the institution are given in the table:

UG COURSES:

S.No.	Course	Group	Duration
1	B.Sc	MPC	3 years
2		MPCs	3 years
3		MECs	3 years
4		MSCs	3 years
5		MB BT BC	3 years
6		BT BC C	3 years
7	B.Com	Vocational	3 years

PG Courses:

1	M.Sc.	Org. Chemistry	2 Years
2	MCA	Computer Appl.	3 Years

Certificate Courses:

1	Audio Visual Communication	3 months
2	Bakery & Confectionery	3 months
3	Banking & Insurance (applied)	3 months

Admission:

- Admission into UG programmes is based on the advertisement given in the news paper and purely on the basis of Merit. Minimum percentage in the qualifying exam is 60.
- Admission into M.Sc.(Organic Chemistry) is based on the rank obtained in AUCET(Andhra University Common Entrance Test for PG admissions).
- Admission into MCA is based on the rank obtained in ICET (Integrated Common Entrance Test).
- Admission into Add – on courses is based on the current pass percentage of the regular course of study.

Fee Structure:

- Fee for UG courses is prescribed by the affiliating university.
- Fee for PG courses is prescribed by the state government.
- Fee structure for certificate courses are nominally fixed at Rs.5000.

Qualification of Teachers: PG with 55% and above; preferably 1st class

Salaries: All teachers get regular pay scales.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

Yes

- The institution is providing lot of innovative practices in the campus for all-round development of the students.
- To develop and upgrade the technology in the field of Computers, the campus tied-up with VIRTUSA.
- Training in foreign languages like German and French is imparted in collaboration with Language Labs, Chennai to improve the communication skills and also help in their preparation for employment and admission into higher studies at foreign universities.
- Assistive Technologies Lab (AT Lab) was established with the help of Prof. Alan Rux of UMass Lowell, USA to develop applications of Engineering Technology which is helpful to the society. The students will get hands-on experience using latest technologies in developing various tools/devices for the physically and mentally challenged persons.
- Digital Library was established and is made available to the students. Various online journals can be accessed through digital Library. NPTEL video lectures are also available in the digital library.

1.2.6. Does the University provide for the flexibility of combining the conventional face-to-face and Distance mode of Education for students to

choose the courses / combination of their choice? If ‘yes’ how does the institution take advantage of such provision for the benefit of students?

- No
- Since the institution is affiliated to ANUR there is no provision for flexibility of combining the conventional face-to-face and Distance mode of Education for students to choose the courses/combination of their choice.

1.3. Curriculum Enrichment:

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

To integrate the academic programmes and Institution’s goals, the following initiatives are taken to supplement the University’s curriculum:

- All faculty members identify the gaps in the curriculum and include topics to bridge the gaps.
- Guest lectures, Seminars, Workshops, Training programmes and industrial visits are arranged to create awareness on the current demands of industry.
- Both students and teachers are encouraged to attend refresher courses, seminars, summer schools, winter schools, etc which help them to enrich their knowledge.
- Assignments are given on all the subjects in addition to arranging group discussions, written/oral tests, quizzes, role plays, etc.
- The College focuses on Spoken English classes to inculcate good communication skills among students.
- The Library is well stocked with books, journals, back volumes, e-books and e-journals.
- A library hour is provided to encourage library usage.
- The Library is kept open from 9:00 AM to 6:00 PM from Monday to Saturday and 9:00AM to 1:00PM on Sundays and public holidays.
- Additional experiments were designed in labs beyond University prescribed experiments
- Students are guided to take-up mini-projects.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students so as to cope with the needs of the dynamic employment market?

- The college adheres to the syllabus designed by ANUR but while delivering this syllabus content to the students, our faculty enrich it with their own expertise and experience so that the students improve their employability enabling them to get jobs in this highly competitive world.
- The training and placement cell of the college regularly interacts with the HR managers of companies and collects first hand information about the requirements and expectations of the corporate sector. These demands of the companies are then communicated to the feedback committee which in turn formulates add on courses and extra classes which are then conducted to make up the deficiencies in the students to make them employable.
- The college Conducts training in soft skills.
- The institution enriched and organized the curriculum by supplementing it with extra content so that the students are benefited in the best possible manner.
- Special training and tailor made orientation programmes are conducted to enable the students to achieve the global standards. LCD Projectors have been used for effective instructional delivery.
- The students are encouraged to take up mini projects and main projects related to the real time problems. If necessary students are sent to industries or research organizations to collect the data, do the analysis and suggest probable solutions.
- Project Work, Seminar and Comprehensive Viva-Voce are made compulsory in the final semester of the programme so that the students would acquire skills to solve problems independently.

The institution also has department-wise best practices for the up-gradation and the continuous enhancement in knowledge of the students in the various fields of their departments.

- Identification of academically weak students and conducting the remedial classes so as to raise their academic performance.
- Identification of above-average students and motivating them towards excelling in their academic performance.
- Organizing many Faculty Development Programs so as to increase the subject know-how of the faculty.
- Organizing Expert Lectures, Workshops, and Guest lectures to both students and faculty to create industry-academia interface on a regular basis.

- Encouraging students and faculty for the utilization of department library, e-resources to the fullest extent.
- Maximum utilization of Laboratory resources.
- Motivating the students to take up innovative projects which have social relevance in the departments.
- Motivating the senior faculty in the department towards conduction of conferences, symposia, writing the Research papers, Research projects, Registration for Ph.D, Publication of papers.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

- Subjects on Environmental Studies and Professional Ethics and Human values are introduced in the curriculum to create awareness on environmental issues and build up moral and ethical values among the student community.
- Environmental Studies subject is introduced to all the students to know the concepts of eco system and its function in the environment. Through the subject students can understand the social issues in both rural and urban environment and the possible means to combat the challenges.
- Senior faculty will address various attributes of pollution and their impact on climate and discuss measures to reduce or control the pollution.
- Institute has a water treatment plant. Faculty will explain the necessity of using pure drinking water for hygiene particularly in rural areas.
- ICT is embedded in teaching learning process by providing smart class rooms which make teaching sessions more interesting. It enhances the student ability in problem solving, decision making, communication, creative expression, and empirical reasoning.
- As ours is co-education institute both male and female students will form as teams and work together in the events conducted at department level or college level.
- Students get immense help from student grievance cell (SGC) for their academic and personal issues.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- Radio Vishnu 90.4 and Vishnu TV Academy train the students on Short Film making and Film Technology.
- Certificate courses on foreign languages in German, Japanese, French and Spanish are conducted periodically.
- A certificate course in bakery & confectionery is offered by the institution.
- A certificate course on Audio Visual Communication is being offered by the institution.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

- The feedback is taken on all aspects including curriculum and teaching & learning from the students regularly at the end of the academic year. The views of the students on curriculum are well received and the relevant suggestions are communicated to the affiliating university.
- Feedback from the employers is also taken to assess the capability of our students to carry out the works in the industry and based on the opinion of industry, new programmes are introduced in the curriculum to suit the requirements of the industry.
- The inputs received from students, alumni, parents, employers are analyzed to improve the overall competencies of the students.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- Feedback mechanism helps to enrich the quality of the programmes by making suitable modifications wherever necessary.
- Effective mentoring is constantly given to the students to develop their talents there by increasing the quality of the programmes.
- Evaluation and analysis of Year End results has an impact on the quality of the programme.

1.4 Feedback System:

1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

- As an affiliating college of ANUR, Rajahmundry, our scope is limited to the extent of framing our curriculum design and development framed by the university.
- Faculty members attend workshops and seminars on revision, design and development of curriculum of the various courses and offer their suggestions to enrich the curriculum.
- The College Academic Committee will look after the affairs of the feedback process and monitor the implementation of curriculum.

1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes

- The institution has its mechanism to obtain feedback on curriculum directly from students, alumni, parents, academic and industry experts.
- Alumni meets are organized to obtain their views on curriculum and training and their suggestions are recommended to the University for Necessary Modification in the curriculum.
- Interactive sessions between the college officials and parents are conducted to invite their suggestions with regard to curriculum and the training offered by the institute.
- The suggestions received from students, alumni, parents, academic and industry experts are communicated to the Vice Chancellor by the Principal in the meeting of Principals of all the affiliated institutions.

1.4.3 How many new programmes / courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes? Any other relevant information regarding curricular aspects which the college would like to include.

- The college introduced One Under Graduate programme and one certificate course during the last four years. The details are given below:

Academic Year	Programme	UG / PG	Duration
2012-13	B.Com(Vocational)	UG	3 Years
2014-15	Bakery & Confectionery course	Certificate	3 months

CRITERION – II TEACHING-LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

PUBLICITY

Advertisement in regional / National dailies:

The college gives advertisements in regional newspapers for publicity about the college.

Interested candidates can download the application from college website and they have to submit the filled in application to the Principal or through online. The institute completes the admissions based on merit only.

Brochure & Handbook:

The college publishes brochure and handbook which highlight the vision, mission and philosophy of the college, code of conduct, university regulations, Courses offered, quality and details of the teaching staff, library, sports and games, laboratory and other infrastructural facilities.

College Website:

The college has a regularly updated website www.bvricedegree.edu.in which provides all information about the college.

TRANSPARENCY

The selection lists are displayed in the notice boards for students' benefit. Awareness and induction programmes are conducted for parents and students on the admission process and education system of the college. The college firmly believes that students and parents are its best ambassadors.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit, (ii) common admission test conducted by state agencies and national

agencies, (iii) combination of merit and entrance test and interview, (iv) any other) to various programmes of the Institution.

The Institution offers 7 UG and 2 PG courses and 2 Certificate courses as follows :

BACHELOR DEGREE -- THREE YEARS

S.No.	Course/ Group	Intake
1	B.Sc/MPC	50
2	MPCs	50
3	MECs	100
4	MSCs	50
5	MB BT BC	50
6	BT BC C	50
7	B.Com/ Vocational	60

MASTERS DEGREE

S.No.	Course	Duration	Intake
1	M C A	3 years	120
2	M.Sc. (Organic Chemistry)	2 years	36

CERTIFICATE COURSES:

S.No.	Course	Duration	Intake
1	Audio Visual Communication	3 months	30
2	Bakery & Confectionery	3 months	30

- **Admission process to UG courses:**

For admission into the UG courses, candidates should have passed intermediate examination (10+2 pattern) or its equivalent as recognized by Government of Andhra Pradesh. The admission process is based on the

applications received and order of merit. A minimum of 60% marks in qualifying examination is required to get admission into under graduate programmes. For MCA course the admissions are given on the basis of Rank obtained in ICET for convener quota seats and admissions into Management quota seats merit order is followed among the applications received.

For M.Sc. Organic Chemistry, the admissions are based on the rank obtained in AUCET for convener quota seats and admission into management quota seats is purely on the basis of merit.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

S.No.	Course	Minimum % of Marks			Maximum % of Marks		
		BVRICE	DNRC	CSNC	BVRICE	DNRC	CSNC
1	B.Sc.	60	45	45	96	84	75
2	B.Com	55	45	43	92	68	65
3	M.Sc.	4413 last rank			109 best rank		
4	MCA	117223 last rank			3584 best rank		

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes.

- There is a review mechanism for verification of the admission process.
- The profiles of the freshly admitted students are submitted to the university every year and get university registered number to each student.
If any deviations are found in the profiling of the students the corrective measures will be taken at the institution level and endorsed by the university.
- The institution has to pay the prescribed affiliation fee for each student as well as the whole institution.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion

SC/ST

OBC

Women

Differently abled

Economically weaker sections

Minority community

Any other

- Students belong to various categories are admitted into the institution on order of merit while the cut off percentage is reduced for SC/ST/ BC category students.
- Economically weaker section students are given Merit cum Means Scholarships to the extent of Rs.5000/- per year by the organization.
- Minority community students also join the institution and they will get admission at relatively lesser percentage of marks in qualifying examination.
- Sports quota is admissible at the prescribed percentage.

•

The details of admitted students of SC/ST/BC/Minority during the last 3 years are given below:

Year	SC	ST	BC/EBC	Minority
2012 - 13	15	4	157	5
2013 - 14	24	1	260	11
2014 - 15	23	6	212	23

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement..

There is a consistently increasing demand for admissions into both UG and PG courses and the reason being the quality of education and hands on experience as far as the student community is concerned. Though there is a general tendency of reducing admissions in these courses in many colleges but ours is an exemption because of its academic standards, dedicated faculty, visionary management and noteworthy campus placements.

	2011 - 12		2012 - 13		2013 -14		2014 - 15	
Course	B.Sc.	B.Com	B.Sc.	B.Com	B.Sc.	B.Com	B.Sc.	B.Com
Applications	310	NA	513	60	643	78	700	93
Intake	280	NA	280	50	350	60	350	60
Admitted	221	NA	276	40	350	70	380	72
Demand Ratio	0.78	NA	0.98	0.8	1.0	1.16	1.08	1.2

2.2 Catering to Student Diversity

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

- The institution fully adheres to Andhra Pradesh Government policies regarding the needs of differently-abled students.
- Special attention is focused on them and their needs are taken care of during the course of study.
- During examinations, special arrangements are made for their comfort.
- For the differently-abled students (physical disability), the classroom is allotted on the ground floor as far as possible.
- Students having vision and functional disability are provided with scribes during examinations. Extra time is provided for such students as per University norms.

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

Yes.

- The Institute organizes a three-day orientation programme for all students, during 1st week of the course.
- On the first day, the Director and Principal welcome and apprise the students about the vision and mission, philosophy and objectives of the Institute.
- The Principal explains the distinctive features of the innovative and comprehensive scheme of Teaching in detail.
- The Heads of Departments illustrate details of the subject combinations available, semester system, continuous system of evaluation and grading. Conveners of various committees are introduced to the new students and their parents.
- Students are taken round the campus where they are shown all the central facilities, other colleges and student amenities.
- From the next two days the Senior Faculty explain to the students the relevance of Basic subjects to the respective groups and introduce the regular curriculum.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

- The institution conducts bridge courses for slow learners and the knowledge gaps will be filled.
- The popular bridge courses are in the fields of Mathematics and English communication.
- Before the commencement of the classes oral diagnostic tests are conducted to know the quality of the student in academics and in various subjects.
- After conducting the diagnostic test, the college identifies weak students in communication skills and in various fundamental courses like Mathematics. The college organizes special classes for such students.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

- To reduce the knowledge gap of the enrolled students the institute adopts different strategies and action plans.
- The institution conducts remedial classes / tutorial classes for slow learners in different subjects to enhance their skills and competence.
- Personality Development programs are conducted to improve their personality and to motivate them to be innovative and creative.
- Communication Skills are improved and English proficiency of the students, particularly for the students coming from rural background, will be improved through English Club activities.
- Guest Lectures are arranged by experts in soft skills and personality development.
- Add-on courses are organized for advanced learners to enhance their learning abilities.
- E-learning material is made available for self-paced learning by the slow learners.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The institution has the tradition of imparting holistic education with emphasis on ethical and moral principles

- Gender discrimination is essentially ruled out by motivating the staff and students through popular lectures by social activists and elderly people.
- Women's day is celebrated by honoring women teachers

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

Continuous monitoring and evaluation of the students is used to identify the advanced learners in each class. The advanced learners are identified based on the performance in internal exams, regular attendance to classes and the performance in class tests. Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

- Assigning seminar topics.
- Offering special coaching for competitive exams, based on their preferences.
- Topics on content beyond syllabus are taught.
- Encouraging them to participate in project competitions.
- Encouraging them to participate in paper presentations.
- Encouraging them to participate in classroom seminars, group discussions, technical quizzes etc. to develop analytical, problem solving and presentation skills.
- Motivating them to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
- Motivating to participate in in-house research activities.
- Providing opportunity to students to develop their creativity by organizing intercollegiate and state level cultural, literary, technical and sports competitions.
- Encouraging them to take specialized training through certificate courses.
- Appointing them as student representatives in the department level committees to develop leadership skills.
- Encouraging them to self learn through ICT.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

There is a streamlined mechanism for continuous monitoring and evaluation of the students. This system helps to identify slow learners. Subsequent Programmes are designed to cater to their specific needs.

The slow learners are identified based on

- The performance in internal exams.
- The performance in surprise quizzes.
- Regular attendance to classes.
- The performance in lab and monthly tests.

The College has a mentoring system in place wherein the students are allocated to a faculty as their mentor. Their attendance, marks and performance will be regularly monitored by the mentor and corrective measures are initiated whenever needed by the mentor/Head of the Department/Principal.

The College understands that slow learners have a fear of failure. If they were to fail in some subjects in the initial semesters, they lose faith in themselves which has a spiralling effect and they may fail further. The counseling system is in place to help them. Remedial classes are organized regularly to instill self-confidence.

Daily attendance SMS, monthly reports are sent to the parents and they are also advised to counsel their wards.

2.3 Teaching-Learning Process

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

i) Academic calendar:

- The academic calendar issued by the affiliating university ANUR, is strictly followed.
- Apart from the college academic calendar, the individual departments will have their calendar of events for various co-curricular and extra-curricular activities.
- It is included in the student handout and also placed in the college website.

ii) Teaching Plan

- Head of the department conducts meeting with the faculty at least one month before the commencement of the semester/ year wise course work in which subject allocation is made.
- Class timetables are prepared and displayed in all the notice boards.
- The course plan for each subject is prepared by the faculty well in advance, before the commencement of the semester and they are duly checked by respective HODs.
- Every faculty member prepares a course file.
- Laboratory manuals are prepared and supplied to students at the beginning of the semester.
- Review meetings are arranged periodically to review the coverage of syllabus.
- Teacher uses teaching aids like LCD projectors wherever they are necessary.

iii) Handouts

At the beginning of the semester students are supplied with handouts.

The handout consists of

- Course objectives and outcomes of each unit.
- Lecture schedule.
- Text books, Reference books and important URLs for the subject material.
- Assignment and important questions in each unit.
- Content beyond syllabus.
- The evaluation procedures for internal tests - theory and practical.

iv) Evaluation

- Two mid examinations, subjective and on-line, in theory subjects and one internal examination in case of practical are conducted in each semester.
- The department will carry out internal assessment on all subjects based on internal test performance of the students.
- Continuous evaluation procedure is followed for practical subjects.
- Internal marks are awarded following the University guidelines.
- However, University conducts end semester examinations in both theory and practical subjects and arranges evaluation.
- Evaluation of mini-projects and main projects is also under the purview of the University.

2.3.2 How does IQAC contribute to improve the teaching – learning process?

The IQAC is constituted on 29.4.2015 to take up the following activities:

- Development of Quality benchmark / parameters for various academic and administrative activities of the institute.
- Organization of workshops, seminars and quality related themes.
- Documentation of various programmes / activities leading to quality improvement.
- Conducting internal quality audit periodically.
- Provides creative solutions to academic and placement cell, interacts with Industry

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

- All the new Faculty joining the college are trained in Pedagogy. The college offers support services to the teachers for making the learning student centric.

Interactive learning

- All classrooms are with LAN connection and separate e-classroom is provided for each department.
- The college provides state of the art seminar halls and e-class rooms where students participate in group discussions, debates and seminars.



State of the art Seminar Hall (300 seater)

Collaborative learning

- The college has the facility of teaching aids such as LCD projectors, broadband internet connectivity, Wi-Fi connectivity.
- The departments maintain department libraries and internet facility to access all the journal, e-material, e-books etc through library server enabling the students and faculty to keep abreast of the latest developments in their respective fields.

Independent learning

- The college provides well stocked library which consists of bulk of books, journals, project reports and other teaching material for use to students and faculty.
- The department provides well equipped labs for improving programming skills & logical thinking.
- Advanced English lab concentrates on the finer aspects of written and spoken English to prepare students acquire greater ease in communication and presentation at different levels



2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

- The students are encouraged to design their own applications using the available equipment in the laboratory and software.
- The faculty motivates the students to participate in model making, paper presentations, software contests and various co-curricular activities in various events organized in and outside the college.

- Students are encouraged to participate in project competitions and workshops with hands-on experience.
- The guest lectures and seminars organized in the college with eminent faculty enable the students to interact with them in the latest developments in the technology. This creates an interest in the minds of the students for further learning processes.
- Students are encouraged to come out with innovative ideas to foster scientific temper.
- Students are encouraged to take up live / industry projects.
- Students are encouraged to gain knowledge in interdisciplinary subjects through selection of open electives, seminars and discussions with experts.
- The campus has a special lab called Assistive Technology Lab(ATL) where the students of various disciplines work together on projects that are useful to differently challenged people.



2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

e-learning Resources:

- Modern teaching aids like Multimedia, LCD Projectors, and Internet enabled Computer systems are used for class room instruction as well as other student learning experiences.
- The students are also encouraged to use computer software packages for their projects.
- Each department is provided with adequate number of computers and internet facility. This facility is used to access and download the required information from online journals.

NPTEL

- 5 Tera bytes of NPTEL video lectures are available to the students and faculty of all the branches. The videos can be accessed from any computer across the campus

2.3.6 How are the students and faculty exposed to advanced level of knowledge and Skills (blended learning, expert lectures, seminars, workshops etc.)?

- Online e-journals of various reputed international journals like IEEE, Elsevier, Science direct, are available in the library for the benefit of students and faculty.
- Each department is provided with adequate number of computers and Internet facility. This facility is used to access and download the required information from online journals.
- By procuring latest reference and text books and placing the books in Library and departmental library.
- ‘Teaching beyond syllabus’ is another feather of classroom instruction.
- By inviting experts and organizing their lectures from industry, University and other national laboratories or organizations.

- The staff members are encouraged to participate in short-term courses, staff development programmers and workshops on advanced topics to enhance their level of knowledge.
- The college encourages the students to participate in national and state level seminars and workshops.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psychosocial support and guidance services (professional counseling / mentoring / academic advice) provided to students?

- Each section of students is associated with a mentor to monitor the academic progress of the students as well as attendance.
- The mentors can also attend the personal counseling of the students when required.
- Experts from other higher education institutions also counsel the students for their personal as well as professional growth.



Mentoring session by experts



Guiding the students

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

- Some class rooms have internet facility.
- The college is a Wi-Fi enabled campus.
- The college has an e-class room.
- The use of modern multi-media teaching aids like LCD projectors, Internet enabled ICT methodology is followed wherever possible.
- Students are asked to refer the books and other e-learning materials in the library.
- Use of online-content and NPTEL and other Video lectures to support the Class – room teaching through INFLIBNET.
- Seminars / symposia are conducted regularly every year to bring out inherent talents of the budding engineers.

- Special guest lectures are also arranged on the latest topics by eminent academicians / industrialists.
- Seminars, term paper and mini – projects are introduced in the curriculum to make the environment ‘activity based’.

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

The college library is having more than 4789 titles and around 30785 volumes. It consists of the following sections:

- Circulation
- Periodical Section
- Stack Area
- Reference Section
- Competitive exams and Civil Services books
- Media Resource Centre
- Digital library
- Reprographic facility
- Scheme of Classification System : Dewey’s Decimal Classification
- Cataloguing System : AACR – II Rules
- Library Area : More than 3132 sq ft.
- Reading Room Seating Capacity : 150 users
- Total No. of Titles : 389
- Total No. of Volumes : 7096
- Total No. of Journals / Magazines : 28
- Total No. of E-Journals : 200
- *Media Resource Centre (E Resources)*

- VCDs / DVDs : 100
- Database : Library Database
- Book Bank for SC / ST : 219
- Online Journals: IEEE,
McGraw-Hill, Access Engineering,
ASTM Digital Library, Science Direct,
Wiley Black Well,

- ***Membership Details***

Members	No. of Books Issues	Loan Period
Teaching Staff	No Limit	Semester / Academic Year
U.G. Students	All Subject books	Semester/ Year
PG Students	2	Semester

The college Central Library remains opened for its users on all working days as mentioned below:

Monday to Saturday : 9.00 AM to 6.00 PM

Sundays / Holidays : 9.00 AM to 1.00 PM

Services: Monday to Saturday

Circulation : 9.00 AM – 5.00 PM

Reference : 9.00 AM – 6.00 PM

Reprographic Services : 9.00 AM – 5.00 PM

Inter Library Loan : INFLIBNET

Digital Library:

A digital library was established with 160 latest systems. The college is an institutional member of INFLIBNET – N LIST. Online Science Journals are subscribed for updating the current knowledge. Apart from the central library facilities every department maintains a departmental library for ready reference.

- The students are encouraged to utilize the learning materials available in the library.
- The faculty and students go through the video lectures like NPTEL, NME-ICT of Professors from IITs.
- The Faculty and students refer the online and print journals to publish / present technical papers.
- Students refer the e-learning resource material available in the digital library to enhance their technical knowledge and understanding of the subjects.
- The library and Internet centre are kept open beyond the working hours of institution. Students can download the required technical material.
- An awareness programme on “How to use library resources effectively” is usually conducted every year by the college librarian for newly admitted students.

2.3.10 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.

Though the institute could complete the curriculum within the time frame stipulated by the University, it has sometimes faced the following challenges:

- Due to late admissions at first year level, the instruction period is usually less. Faculty takes it as a challenge and completes the syllabus in time by conducting extra classes and also motivating the students to prepare on day to day basis.
- Sometimes teachers need to conduct bridge courses particularly to the lateral entry students admitted into second year to meet the curriculum gap so as to make them comfortable with the curriculum subjects.
- Unforeseen interruptions to the class work are compensated by arranging extra classes beyond working hours.
- The CAC monitors the syllabus coverage

2.3.11 How does the institute monitor and evaluate the quality of teaching learning? Academic and Administrative Audit of the Department:

There is a continuous monitoring system to evaluate and report on the quality of teaching and teaching methods used by faculty. Periodic checking of course file of each subject reveals the quality of teaching content and methods adopted for teaching the course. Student feedback on each course at the end of fourth week and at the end of the eighth week if required is taken. Analysis of feedback and follow-up actions by HOD is initiated after a discussion in the department.

Teaching and learning process is best attained by interactive process between the teacher and the taught. The success of the teacher, however, depends on their innate ability and art of his/her teaching methodology and thorough preparation for the class. These processes cannot be quantified or universalized. Institution makes regular effort to enhance the staff skills and their ability by organizing in- house training programs and or deputing the staff to get training in communication skills and other areas of standard methodologies.

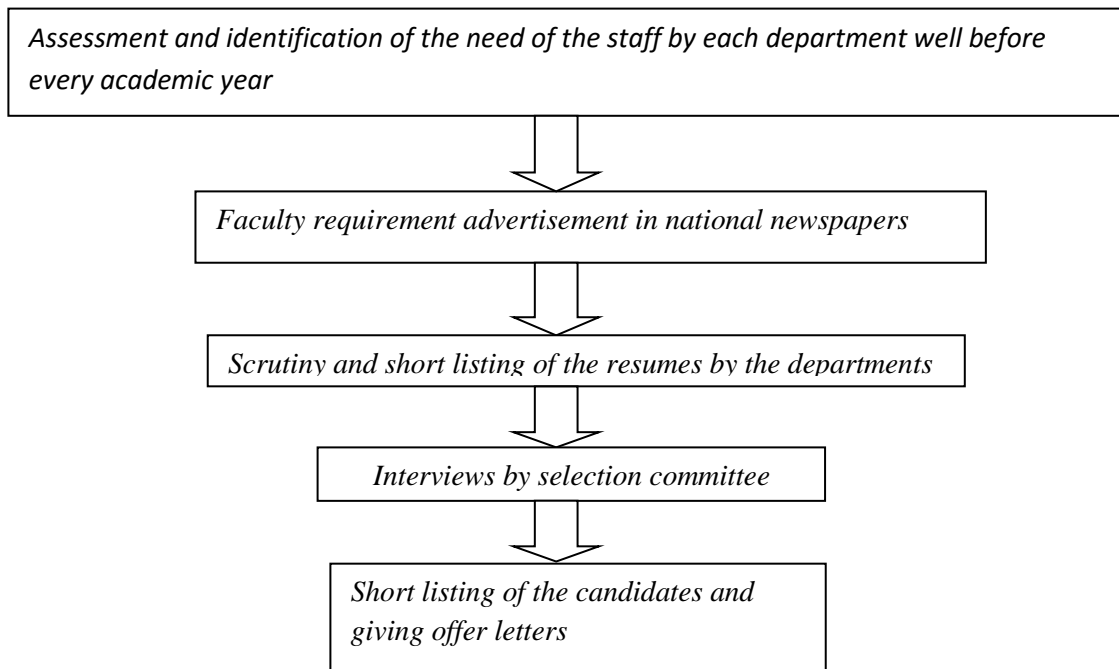
- The staff in whose subjects more students fail are counseled by the Head of the Department / Principal.
- Any short comings identified in theory class or practical session are being addressed through guest lectures / printing reference materials (literature or teaching).
- Student performance in mid-Examinations and the assignments are reviewed by HOD in departmental meetings. Corrective measures are initiated in necessary cases

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Recruitment of Faculty:

The college recruits qualified, experienced and able faculty before commencement of the academic year and also as and when the need arises and thus maintains a faculty student ratio. A systematic procedure followed for the recruitment of the faculty is as given below.



Highest qualification	Professor		Reader		Lecturer		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	1		1	2*	1	-	5
M.Phil.			-				-
PG		-	1		31	16	48
Temporary teachers: Nil							-
Part-time teachers: Nil							-

2.4.2 How does the institution cope with the growing demand/scarcity of qualified senior faculty to teach new programmes/modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- Our institute has made lot of effort to recruit the best quality faculty in all the subjects.
- The institution is paying better salaries to deserving teachers or resource persons to meet the demand of scarcity.
- The college has sufficient number of qualified and competent teachers to handle the courses offered.
- To attract the new faculty and to retain the existing teachers the college provides motivational incentives like sponsoring to higher education, encouragement for paper publications in the national and international journals, and to register in Ph.D. programmes.
- Faculty members are deputed to various conferences/seminars/workshops organized by other universities/institutes on the latest subjects by granting special leave.
- Guest lectures are arranged in identified and specific fields.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination of faculty to Staff Development programmes during the last four years.

S.No.	Programme attended	No. of faculty deputed			
		2011-12	2012- 13	2013- 14	2014-15
1	FDP	24	28	32	34
2	Soft Skills	02	05	--	--
3	Instrument Training			02	03

Teachers are encouraged to participate in workshops and Faculty Development Programs to enhance and improve their teaching skills and style of teaching thus the quality of teaching can be better improved.

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning:

S.No.	Acad. Yr.	Period	Program
3	2014-2015	12 th to 14 th Dec'2014	Employability & Research Skills
4	2014-2015	3 rd to 4 th Oct'2014	Applications of Mathematics in Engineering
5	2013-2014	31 st Aug 2013	You have Potential in You to become an Excellent Teacher
6	2013-2014	15 th Feb-19 th Feb	Trends in Soft Computing & its Tools
7	2013-2014	12 th May-17 th May2014	Advanced Tools and Technologies
8	2013-2014	2 nd Feb-3 rd Feb	Academic Skills
9	2012-2013	4 th & 5 th Aug'2013	Life Science techniques
10	2012-2013	25 th – 28 th sept,2013	FIP on Pedagogy
11	2011-2012	6 th – 8 th June 2012	Teaching Teachers



- **Teaching learning methods/approaches**

The college encourages teachers to prepare computer aided teaching/ learning materials. The college also supports by providing infrastructural support.

- **Handling new curriculum**

The college has experienced and qualified staff to handle the new curriculum effectively. HOD and the senior faculty of the department conduct meetings to explain the new syllabus and devise methods to empower the teachers to handle the new syllabus.

- **Content/knowledge management**

Faculties attend National and International seminars and workshops. They interact with the academicians and industry people and update their knowledge and skills. They also organize seminars and workshops.

- **Selection, development and use of enrichment materials**

The college organizes the seminars, workshops, disseminate, and the practices in all the aspects of teaching and learning process. Further the faculties have been deputed as a resource person, presenting paper in leading national and other conferences.

- **Assessment**

The self –appraisal reports authenticated by the HOD are the major measures for the promotion of the faculty. These reports reveal the faculty performance and research needs. Confidential reports by HOD are also taken into consideration for special increments and incentives.

- **Cross cutting issues**

The cross cutting issues like climate, gender, environment education, human rights etc. find an ample space when it comes for applying them positively in to the curriculum. Seminars and workshops are conducted where in experts from the above mentioned field are invited to share and deliver their knowledge and experience. The subjects like professional ethics and Human values, environmental Science are part of the curriculum.

- **Audio Visual Aids/multimedia**

The college provides audio visual aids in the classrooms/seminar halls and the faculties have been using them for effective teaching.

- **OERs (Open Educational Resources)**

The college provides the facility of open educational resource. Teachers are requested to develop and share their notes and teaching material with other teacher through the hard copies/soft copies and the same is also shared with the students. Complete course materials, modules, textbooks, videos etc are provided for the knowledge enhancement.

- **Teaching learning material development, selection and use.**

The faculties are given free access to internet which helps them to collect learning material. The college has a central library containing books and journals of various subjects. The college organizes seminars, conferences which help as a learning source for the faculty. The use of modern multi-media teaching aids like LCD projectors, Internet enabled computer systems in class rooms empowers the faculty for delivering the lecture effectively.

c) Percentage of faculty

- Invited as resource persons in Workshops/Seminars/Conferences recognized by external professional agencies - 02
- Participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies- 01%
- Presented papers in Workshops/Seminars/Conference conducted or recognized by professional agencies - 3 %

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- The institution extends full support for the professional development of the faculty.
- The institution encourages faculty to publish papers in national and international journals.
- The institution sponsors faculty to attend conferences, seminars and training programs organized by other institutes, universities etc.
- Seminars, workshops and special lectures were conducted by the institution for the knowledge up gradation of faculty and students.
- Travel grants will be provided for the faculty deputed to national and international conferences/seminars.
- The institution grants study leave to complete Ph.D. degree depending on the service of the faculty member.
- Faculty is guided to apply research projects funded by different organizations.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last

four years. Enunciate how the institutional culture and environment contributed to such performance /achievement of the faculty.

The college provides necessary infrastructure and other required support to encourage teachers to excel in their teaching / research. The conducive environment for academic growth encourages teachers to prove their mettle. As a result, teachers have been rewarded by various state and national level bodies. Following faculty members of the college have received awards/recognitions at State and National level during the last four years:

- Dr.Ch.V.Srinivas, Professor of Physics received Best Teacher Award for 2009.
- Dr.Ch.V.Srinivas, Professor of Physics received “Swami Vivekananda National Award” in the year 2012 by Indian Institute of Oriental Heritage, Calcutta.
- Dr.Ch.V.Srinivasreceived National Award for Teaching Excellence in 2013 from Indus Foundation, USA in Collaboration with Govt. of Andhra Pradesh on 11.11.2013.
- The Institution has received the Award for Educational Excellence 2014.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes.

- The evaluation of faculty by the students through online feedback system is done once in a semester/year. The feedback is analyzed and appropriate suggestions are given to the faculty by the HoD concerned and the Principal to see that they rectify the short comings.
- The feedback format mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge content covered, punctuality, innovative practices, encouragement for doubts and library etc.
- All the faculty members are required to submit self appraisal report every academic year in the prescribed format.
- In addition teachers are evaluated by the affiliating university during the ratification process.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.
- An orientation program is conducted by the Exam Cell coordinator for all the new students joining the college. In the orientation program the students are briefed about the evaluation process.
- The periodic instructions issued by the affiliating university are promptly communicated to the students through general circulars.
- The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students notice-board.
- Students are informed at the start of the session regarding the internal examinations.
- Students are clearly made aware of the eligibility conditions required to appear in the final exams.
- Academic calendar and syllabus books are provided to the students.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- The college is affiliated to Adikavi Nannaya University, Rajahmundry (ANUR), Andhra Pradesh. The university has initiated various evaluation reforms viz.
- Internal assessment through Mid Exams, Assignments/ Seminars and co curricular activities,
- Internal marks are awarded to the students as per the university criteria.
- Student centric learning through assignments, projects, seminars and practical sessions.
- The college conducts month end examinations in addition to the regular mid examinations. This will help the students to have continuous preparation and be ready for the regular examinations.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

- The evaluation reforms of the university are followed in true spirit. The evaluation is totally fair.

- The students are shown their evaluated performance in the answer sheets. Clarifications about evaluation, if any, are made clear to the students.
- All record is maintained i.e answer sheets, award lists etc. are maintained in the Examination Cell
- Whenever class tests are conducted, the results of the student's performance/awards are shown to the students to encourage them or counsel them for better future performance and same is informed to their parents through SMS.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

- As the college is affiliated to ANUR, reforms and regulations of the University in examinations and evaluation are followed.
- Even then for bringing about a positive change in the evaluation practices, the institution adopts both formative and summative methods of evaluation.
- Formative approach to evaluation includes measuring the student's achievement through seminars, class tests, assignments, presentations, viva-voce and projects.
- Assignments on advanced topics for knowledge enhancement of students
- The evaluation through these approaches gives lot of information about student achievement after teaching a particular unit.
- The concerned teacher may get some insight about the student and necessary steps regarding his/her improving can be pondered over.
- The summative evaluation is done during internal examinations. All faculty members follow the formative approach to measure students' achievements & performance through 1) monthly tests 2) assignments.
- For summative approach two internal tests are taken in the college. This is how the institution uses the formative and summative evolution approaches in the campus.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

- There is complete transparency in the internal assessment. The criterion adopted is as directed by the University.

- All the students are familiarized about the transparency in internal assessment. Each subject is evaluated through internal and external exams.
- The Common Core/ Classis scheme regulations of Internal and external exams are conducted for 25/20 and 75/80 respectively.
- Two internal examinations/MIDs are conducted for every semester/year. The internal examination is descriptive.
- The best among the two internals/ MIDs will be considered.

The University has newly introduced weightage to Extra Curricular activities from the academic year 2015 – 16.

2.5.6 What are the graduates attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

Graduate Attributes (GA) of the college:

Graduate Attributes (GAs) form a set of individually assessable outcomes that are the components indicative of the graduate potential to acquire competencies at the appropriate level. The GAs are essential attributes expected of a graduate from an institution. The graduate attributes are:

GA1 :Basic Knowledge

GA2 : Problem Analysis

GA3 :Independent Thinking

GA4 : Environment and Sustainability

GA5 : Ethics

GA6 : Individual and Teamwork

GA7: Communication

GA8 :Continuous Learning

Complementing the Graduate Attributes, the Program Objectives and Outcomes are planned for consistent progress of the students. The Program Outcomes are evaluated based on the performance of the students in Internal Examinations, Assignments, and Seminars etc.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

At college level:

- The answer scripts of internal examinations are shown to the students after evaluation to bring out the discrepancies, if any, to the notice of teacher concerned, and the necessary corrections will be made.
- If the student is not satisfied with the marks awarded in any subject/ laboratory after bringing it to the notice of the teacher concerned, he/she may represent the same to the Chief-Superintendent of Examinations through the HoD concerned. All such representations are taken positively and reassessment will be made by a competent teacher if necessary.

At University level:

- The student is entitled to apply for revaluation in theory subjects by paying the prescribed fee to the University. The University will take up all such applications and reevaluates the scripts by competent subject teachers. However, if there is no improvement earlier marks will be retained.
- The student is also eligible to apply for challenging revaluation in theory subjects by paying the prescribed fee to the University. Challenging revaluation is carried out by two subject experts in the presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks in that subject.
- Further, the student who is confident of the result can get a Xerox copy of the answer script by paying the prescribed fee.

2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES

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

YES. The college has clearly stated learning outcomes.

- The faculty, industry and alumni are actively involved in preparing learning Outcomes of the college based on Graduate Attributes.
- The learning outcomes of the college are made known to the students and staff by displaying in the departments and at all prominent places of the college.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students' results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The student performance is measured by various indicators.

a) Performance in Year End Examinations

The marks of all the students in Year End Examinations are updated in D-Cap. The marks are available in Dcap for further analysis. Different reports like pass percentage of the college, pass percentage of each class, pass percentage in each subject are generated and compared with the performance of previous years and that of other colleges.

This data is used to identify the difficult subjects and extra classes are organized for these subjects for the next batches to improve the pass percentage.

b) Performance in campus interviews

The College Placement Officer maintains a record of number of students placed against the number of students eligible for placement. An analysis is also done on the impact of the trainings offered on the placements. The data is also collected through Alumni so as to identify the needs of the industry from fresh engineers.

c) Students joining higher studies

The data of students who have joined higher studies and working presently is maintained by the Placement Cell.

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

Result Analysis- UG Courses

Batch	Branch	Overall Pass %
2010 -13	B.Sc. MPC	63.3
	MPCs	72
	MECS	93
	MScs	71.7
	MB BT BC	92.8
	BT BC C	100
	B.Sc. MPC	74.4

2011-2014	MPCs	73.9
	MECS	67.5
	MScs	65.5
	MB BT BC	87.5
	BT BC C	66.6
2012 - 15	B.Sc. MPC	61
	MPCs	52.5
	MECS	62.5
	MScs	53.7
	MB BT BC	92
	BT BC C	100
	B.Com (Voca)	82

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

- The institution follows the academic calendar given by the affiliating university and accordingly plans for lecture and laboratory sessions in all the theory and practical subjects.
- The class time tables are prepared in such a way that the required number of periods are assigned for all the theory and practical subjects and also include the periods for association/pre-placement training/library/games and sports activities.
- Special attention is focused on application part of the subject and extra content is delivered wherever necessary to meet the desired learning outcomes.

Learning Strategies:

- Assignments are made compulsory in all the theory subjects.
- Seminars are arranged by the students on advanced topics.

- Technical quizzes/group discussions/paper presentations are arranged through departmental associations.
- E-learning materials and video courses are made available in the central library to enhance learning outcomes.
- Industrial tours are arranged to expose the students to practical pursuits.
- Mini projects / model making are made part of the learning wherever possible.
- Pre placement training is also made as a part of learning to enhance the employability.

Assessment Strategies:

i) Direct Assessment:

- Assessment through internal and external examinations in both theory and lab.
- Assessment by conduct of tutorials and assignments.

ii) Indirect Assessment:

- Feedback of Alumni
- Exit feedback
- Employer feedback

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

- The students are provided pre-placement training at pre-final and final year of the course to help them to secure quality jobs in the industry.
- Several seminars/workshops are conducted to create awareness on entrepreneurship by inviting industry experts.
- Students become members of college NSS units to pursuit of socially relevant activity based education.
- Advanced laboratories and innovation centers established in the campus to nurture the creativeness of the students and improve the research aptitude.

2.6.5 How does the institution collect and analyse data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

- Institution has specific procedure to collect and analyze data on student learning outcome, in which the following points are adopted by the institute in this context:
- Midterm and continuous evaluation comprising of internal tests, assignments, group discussions and seminar presentations.
- Annual system of examination for all courses.
- Seminar presentation by students.

Institute has taken following steps to overcome barriers:

- Encourage the students to write the answers in points.
- Providing Question bank of various subjects to the students.
- Timely Redressal of students' grievances.
- Making students to understand their mistakes by showing their answer scripts.
- Extra classes for weak students to improve their standards.
- The periodic evaluation of teachers helps in the improvement of learning outcome.
- The regular evaluation of the teachers by the students, feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students.
- These issues are then addressed by the College Academic Cell in its regular meetings and the corrective measures/ suggestions are implemented under the guidance of the Principal with the consent of the management.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples. Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- The institution is achieving its goals and objectives through well designed academic calendar which is distributed well before the commencement of the academic sessions to the students and teachers.
- Complete transparency in admission, evaluation, faculty recruitment and administration.
- Appointment of Class mentors for continuous monitoring and assessment.
- Organizing seminars, workshops, industrial visits.

- Well qualified and experienced teachers.
- Courses commence with introductory sessions.
- Organizing group discussions, presentations.
- Organizing revision lectures.
- Organizing guest lectures by experts.
- Encouraging advanced learners to participate in various Curricular and co curricular activities.
- Providing hand outs to facilitate slow learners.
- Mentoring and providing academic counseling.
- Teachers are evaluated regularly in every subject by the students.
- Continuous assessment enables effective performance of the student.
- Orientation programs and bridge courses help the freshers to get familiar with all aspects of their program
- Smart classrooms with LCD, Projectors, Speakers, etc are provided.
- Faculty are encouraged with in-house pilot projects, sponsorship for short term training programs, conferences, workshops, etc and financial support for publication of research articles and text books.
- The student performance is communicated to the parents by means of SMS.

CRITERION III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No. But we have applied for a Center of Excellence, to SIRO.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact?

Yes.

The Institute has a Research Committee comprising of the following members

Chairman : Principal,

Coordinator - R&D: Dr.D.Ravisankar

Members : Senior faculty/ doctorates/ pursuing research.

Functions of research committee:

- To promote research environment within the institution
- To create awareness among the students and faculty on the culture of research.
- To encourage sponsored projects by various funding agencies like DST, UGC etc.
- To provide adequate infrastructure and support in terms of technology and information needs.
- Facilitating timely auditing and submission of utilization certificates.
- Arranging guest lectures to promote research on industry needs.
- Modernizing the existing laboratories with additional experimental set ups/ instruments and technology for utilizing the labs for research activity,
- To depute senior faculty to various research organizations for getting collaborative projects and adopting best practices.
- To provide facility to the faculty in the form of incentives, sabbatical leaves, academic leaves for improving their qualification and quality of research.

- To provide budget for in-house R & D projects mentioning the guidelines and targets to achieve the expected outcome of the projects proposed.
- Sponsoring faculty and students to present papers at National / International conferences.
- Conduct awareness programs/ faculty lecture series to focus on latest research areas
- Establish research centers in the departments to enhance the research activity

Impact of recommendations:

- The college invited scientists & industrialists and conducted awareness programmes to both students and faculty encouraging them to take up industry/society oriented projects.
- The college sponsors faculty to present papers at various national and international Conferences.
- One DST funded project is sanctioned.
- Various departments are planning to establish research centers to focus on latest technologies
- Some faculty members have registered for PhD with various universities

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

- Autonomy to the principal investigator

The Principal investigators who get sanctioned projects from various organizations like DST are given full autonomy in executing the project as per the guidelines of the funding agencies.

- Timely availability or release of resources

Principal maintains separate accounts to each project sanctioned by external agencies and institute provides all facilities and maintains timely release of project funds for completion of the project.

- Adequate infrastructure and human resources

The institution has labs with necessary software and computing facilities as well as preliminary equipment to carryout research projects.

- Central library facilities are enhanced up dating with online national and international journals, digital library, hand books, reference books and material related to research activity.
- Time-off, reduced teaching load, special leave etc. to teachers

Faculty working on major research projects are given the facility of reduced teaching work load in addition to sanctioning academic leave for attending the workshops/seminars relevant to their research projects and associated works. Cash awards are introduced to faculty publishing papers in reputed journals.

- Support in terms of technology and information needs
 1. The institute/department encourages the students and faculty to utilize the laboratories, library, computer centre and software for carrying out their research projects and also provides facility for obtaining the necessary information and technology from external sources.
 2. The college also makes budget provisions to procure necessary equipment for experimental projects, subscribes to research journals to strengthen the library with latest journals, reference books and text books.
- Facilitate timely auditing and submission of utilization certificate to the funding authorities.
After completion of project by the principal investigator, the college arranges for auditing; assists in obtaining the utilization certificate for submission to the respective funding authority.
- Any other

The college invites scientists and reputed researchers to share their experiences which enhance the research culture in the campus.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The college has established a college research committee to promote research and consultancy activity in the campus.

Guest lectures by eminent academicians and industrialists are arranged to create awareness and interest among the students and faculty on research, also to provide information about various funding agencies, method of applying for projects etc.

- Encourage the students to associate with Assistive Technology Projects
- Sponsor the students to participate in Competitions, Conferences etc.
- Organizing awareness programs by eminent scientists and industrialists to inculcate research culture among the students
- Involving the selected students in the R & D Projects
- Financial assistance is given to students to participate/ present paper in conferences/ Seminars
- Providing infrastructure facilities, like space and software.
- Providing smart classrooms with LAN connection facility, LCD projectors, Audio-visual arrangements etc.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

- With the encouragement and motivational incentives provided by the college, some teachers registered for Ph.D (Details are presented in table below).
- Some of the senior faculty registered themselves as supervisors in the panel list of different universities and are guiding research scholars.
- Faculty members are also involved actively in taking up sponsored/ collaborative projects from Central Government and private organizations.
- Using the infrastructure facilities and laboratories that are equipped to the level of research labs, the faculty members guide the students in their project works catering the needs of industry.
- Dr, Ch.V.Srinivas is Reviewer of Elsevier’s Karbala International Journal of Modern Science.
- The following tables give details of the faculty involvement in active research.
- a) **Faculty involvement in Guiding Research Students:**

S. No.	Faculty Name	Department	PhD status	
			In Progress	Completed

1	Dr Ch.V.Srinivas	Physics	1 Ph.D 1 M.Phil	1Ph.D 1 M.Phil
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b) Faculty leading Research Projects :

S. No.	Faculty Name	Department	Sponsoring agency	Project status
1	Dr Ch.V.Srinivas	Physics	DST -SERB	Applied
2	D.Ravikumar & Dr.D.Ravi Sankar	Chemistry/Biochemistry	DST	In Progress

c) Faculty engaged in individual Research

S. No.	Faculty Name	Department	Research area
1	Dr Ch.V.Srinivas	Physics	Materials Science/ Nano Materials
2	Dr. D.Ravisankar	Life Sciences	Bio chemistry
3	Ms. J.Padmavathi	Chemistry	Physical chemistry
4	Ms RVN Prameela	Commerce	Management studies
5	KKJ Chakravarthy	Physics	Nano Materials
6	PKS Pavan Kumar	Sanskrit	Panineeya Vyakarana

3.1.6 Give details of workshops/ training programmes / sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.

The institute organizes interdisciplinary and department-wise workshops, training programmes and seminars focusing mainly on capacity building in terms of research and also to create research culture among staff and students. The following are the details of such activities conducted during last four years.

No. of Workshops/ training programmes/ sensitization programmes conducted/organized by the institution:

2014-15	2013-14	2012-13
1	2	1

3.1.7 Provide details of prioritized research areas and the expertise available with the Institution

The following table provides details of prioritized research areas and the expertise available with the institution.

S. No	Name of the Faculty	Designation	Subject	Exp. In years	Expertise
1	Dr.Ch.V.Srinivas	Professor	Physics	25	Nanomaterials
2	Dr.D.Ravi Sankar	Reader	Biochemistry	12	Biochemistry
3	Ms. J. Padmavathi	Reader	Chemistry	16	Physical chemistry
4	D. Ravi Kumar	Lecturer	Chemistry	6	Water analysis
5	Ms RVN Prameela	Lecturer	Commerce	6	Management
6	Ms. D. Sridevi	Lecturer	Micro Biology	5	Microbiology
7	MAEV Rambabu	HOD	Biochemistry	8	Biochemistry

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institute frequently invites the eminent researchers for knowledge transfer regarding research resources and industry-institute collaborative programmes to meet the industrial needs.

The following members visited the college during the last 4 years.

Year	Number of eminent researchers visited	Organizations
2011-12	3	NITW, VRSEC, Vijayawada, IICT
2012-13	4	AU, VIT, Central University, Hyderabad, SVCP
2013-14	6	ISRO, IICT, NITW, KITS – Huzurabad, SVU
2014-15	4	SVECW, VITB, NITW, AU,

Senior Academicians Visited the Campus:

1. Prof. Alan Rux, University of Massachusetts, UMAS, Lowell
2. Prof. G. Nageswara Rao, Andhra University
3. Prof. P. Siddhaiah, Andhra University
4. Prof. R L N Sai Prasad, NIT, Warangal
5. Dr. D. Dinakar, NIT, Warangal
6. Prof. D. Somayajulu, NIT, Warangal
7. Prof. S. Srinivas, VIT University, Vellore
8. Prof. O. Md. Hussain, SV University, Tirupati
9. Dr. B. Sridhar, Principal Scientist, IICT, Hyderabad
10. Prof. G. Radhakrishnamacharya, NIT, Warangal
11. Dr. P. S. Anand, Dr. C.S. Rao research Institute, University of Hyderabad.
12. Prof. BDCN Prasad, PVP Siddhartha Institute of Technology, Vijayawada
13. Dr. R. Subba Rao, SVECW, Bhimavaram
14. Dr. V. Rama Devi, VIT, BHimavaram
15. Dr. Ch.V. Chiranjeevi Jairam, ISRO, Kolkata

16. Dr. Phani. Nano Ram, Bangaluru
17. Prof. V. Vasudeva Murthy, Department of Mathematics, S.R.K.R. Engineering College
18. Dr V S Raju, Director (Retd.) IIT-Delhi
19. Dr. M. Rama Rao, Gitam University
20. DR. P. Suresh Varma, Adikavi Nannaya University
21. Dr. V. Srinivasa Rao, Commissionerate of Collegiate Education, Govt. Of AP.
22. Dr. J Chandra Prasad, Retd. Principal, DNR College, Bhimavaram
23. Dr. NAD Paul, Andhra University
24. Sri. V. Nanda Kumar, Christ University, Bangalore
25. Dr. P. Raghuprasad, Sri Vishnu College of Pharmacy, Bhimavaram

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The faculty members who registered Ph.D. with various universities are allowed to meet their guides from time to time by granting special casual leaves. The faculty is utilizing short periods of leave mostly for PhD course work and also writes up of thesis if any. The following faculty have utilized the Sabbatical Leave.

1. D.J. Nagendra Kumar, Computer Science Dept.
2. Ms. J. Padmavathi, Dept. of Chemistry
3. Ms. RVN Prameela

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- The R & D project taken up by the college is mostly community based.
- Established R & D cell to encourage staff and students to enhance their research activities
- Established Centers of excellence (IBM Mobility, TI-DSP, ATL, NetEnich, MODE Fin Server Research Center, Power & Energy Research Center), Infosys campus connect in the campus the institutions in the campus.
- Sanctioned the seed money to do in-house R & D projects

- Staff & students taken up Assistive Technology projects to meet the needs of differently abled people (A community of people with disabilities).

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.

The amount allocated for research and assistive technology projects.

Year	Allocation(Lakhs)	Utilization(Lakhs)	Major heads
2012-13	1,50,000	80,000	Student projects
2013-14	1,50,000	83,000	Student projects
2014-15	1,50,000	85,000	Student projects

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

Yes, there a provision in the institution to provide seed money to the faculty for research. Details of the amount provided and the percentage of the faculty that has availed the facility in the last four years

Year	Amount Disbursed (Rs.)	No. of Faculty
2011-12	8,000	5
2012-13	12,000	4
2013-14	12,000	4
2014-15	24,000	5

3.2.3 What are the financial provisions made available to support student research projects by students?

- Seed money in the college budget

- under Student project grants
- and Student seminar grants

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

Staff and students undertake inter-disciplinary projects such as Assistive Technology projects by having peer group interactions and brainstorming sessions

- Eight Assistive Technology Projects are successfully completed during last four years (list is given in the following table)
- Challenges faced are exploring the knowledge among the students of different branches and coordinating/ guiding the different branch students

Projects Undertaken Year Wise:

2012-13:

1. E-coat
2. E-slate
3. Braille Transcription system

2013 – 14:

1. Human Body parts Identifier
2. Remote Object identifier
3. Braille script Reader

2014 15

1. Talking Box
2. Hand Gestures Recognition

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

- Encouraging students to participate in competitions, conferences
- Encouraging faculty and students for publication/ presentation of research papers
- Encouraging faculty and students to utilize the Solar power plant and Sewage treatment plant for research
- Encouraging faculty and students to develop assistive devices.
- Encouraging faculty to submit R & D Proposals to various external funding agencies and carry on research projects.
- Sharing of computing facilities for online competitive exams

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

No.	Name of Agency	Title / Details of Project	Amount (Rs.)	Activities and benefits
1	DST	Kolleru Project	27.8 lakh	facilities with expertise in the Kolleru habitation villages in the areas of Krishna and west Godavari Districts of Andhra Pradesh

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The management has set up a separate division for looking after the follow up of proposed research projects and expert suggestions are sought in designing various research proposals. All eligible faculty members are advised to submit proposals to various funding agencies.

The details of Ongoing Project is given in the following table.

No.	Name of Agency	Title / Details of Project	Amount (Rs.)	Date of Commencement
1	DST/ D.O. No. SSD/WS/007/2012	Kolleru Project	27.8 lakh	11.4.2014

The details of Project proposal submitted are given in the following table:

No.	Name of Agency	Title / Details of Project	Amount (Rs.)	Status
1.	DST - SERB	Studies of Dielectric Nanofibers	22 Lakh	Submitted

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- R & D Centres and Research labs of sister institutes in the campus
- Library with digital library and online journals
- ATL
- MODE Fin Server
- Centers of excellence in various colleges.
- Computing facilities with 20 MBPS internet bandwidth.

3.3.2 What are the institutional strategies for planning, upgrading and creating Infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

- Forming research groups, conducting awareness programs on research methodologies & areas, and research seminar series.
- Developing research proposals and seeking funds through Peer group interactions, and Review by internal and external experts.
- Suggestions from funding agency experts on emerging trends.
- Based on the expert advices infrastructure facilities will be provided

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments/facilities created during the last four years. Yes.

The institute has purchased the following equipment during the previous years;

Year	Project Name	Equipment	Cost in Rs
2015	Kolleru project	Chick cages	2.3 lakh

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

- Mission R&D India Pvt. Ltd., Hyderabad
- NetEnrich Technologies Pvt. Limited, Bhimavaram
- Pharma Chemistry Labs, SVCP, Bhimavaram
- Anatomy Labs, VDC, Bhimavaram

- Nano Rams, Bangaluru.
- AP state skill development center, SVECW, Bhimavaram
- Vennar Ceramics Ltd., Kaikaluru

3.3.5 Provide details on the library/ information resource center or any other facilities Available specifically for the researchers?

- The library of BVRICE was built to keep up good standards. The library located in the ground floor has an area of around 2500 Sq.ft. Specialized collections of Books, Journals & Non-book materials are available in all related subjects It is replete with 15,300 Volumes of books, 25 Journals Back Volumes and more than 300 CDs.
- The Library contributes to the fulfillment of our Institution's mission by selecting, acquiring, organizing maintaining and making accessible a collection of printed and non-printed, primary and secondary materials that will support the educational, research and public service programmes of both students and faculty.

Library & Information Centre

Plinth Area : more than 3132 Sq.ft.

Students reading room facility accommodate 150 students at a time to read their personal reading material. The Audio Visual room with Home theatre system of VIT is allowed to our students to learn through Video Lectures like NPTEL Material, Scientific Videos.

Library Timings

❖ **Monday – Saturday**

➤ Working Hours – 9.00 a.m. to 6.00 p.m.

❖ **Sunday & Other Holidays**

➤ Working Hours 9.00 a.m. to 1.00 p.m.

The BVRICE Library comprises the following:

Books

Total Number of Books	-	7096
Total Number of Titles	-	389
Total Number of Back Volumes (Journals)	-	150

Periodicals

Total number of Periodicals – National and International Journals and Magazines (subscribed for year 2014) – 28

E-Books

(McGraw-Hill & ASTM Digital Library) - 200

E-Journals

IEEE, McGraw-Hill, Elsevier Science Direct, Wiley-Blackwell, Digital Library – 6506.

Media Resources

Compact Discs - More than 100

1. IEEE Online Journals (No. of Journals – 145)

<http://ieeexplore.ieee.org>

2. ELSEVIER Science direct (No. of Journals – 275)

3. Wiley-Blackwell Online Journals Package (Total-64 Online Journals)

<http://www.wileyindia.com/johnwileypackage/wiley/cs/index.php>

(Wiley Computer Science Data System and Telecommunications Collection-30 Journals)

<http://www.wileyindia.com/johnwileypackage/wiley/ce/index.php>

(Wiley Civil Engineering Collection-18 Journals)

<http://www.wileyindia.com/johnwileypackage/wiley/me/index.php>

Digital Library

Number of Computer	:	20 with multimedia and Internet facility
Broad Band Connectivity	:	20 MBPS BSNL Leased Line
Library Networks membership	:	INFLIBNET – N LIST
AV Room	:	01 – LCD TV, Home Theatre system accommodating 30 students at a time at VIT

Various Websites have been searched. Suitable websites for e-books identified are listed below.

UMDL Text e-books and e-texts	Planet Books
University of Pennsylvania e-books	Turnit
Library of Free e-books	University of Virginia e-book library
Open e-book Forum	NAP Open book
Virtualbooks	e-Text Archives
FCL e-bboks	Internet Public Library
Free ebooks	Net library
e-Books on South Asia	AmericanMemory
Freetech Books	Online Text Collection
NSDL	e-Books of University of Adlaide Library
Google Books	e-books
Many Books	e-bookpalace
Books on Smart Phone	Memo Ware

Electronic Library of Mathematics
Book Finder

129 NPTEL Web Courses and 110
Video Lectures

Open Acces Online Journals/Magazines

<http://www.lau.edu.lb/libraries/free-journals-list.php> Lebanese American university - 600 free e-journals.

<http://www.intute.ac.uk/sciences/ejournalist.html> Intuit search engine list of 350 freely available full-text sciences, engineering and technology e-journals

<http://www.bentham.org/open/a-z.htm>- 175 open access journals

<http://www.elibrary.icrisat.org/fulltext/openaccess.html>

<http://royalsocietypublishing.org/journals>

<http://www.emis.ams.org/journals/> :The Electronic Library of Mathematics – 450 online journals

<http://www.freemedicaljournals.com/> :Medical& Bio-technology journals – 430 online journals.

<http://www.libraries.uc.edu/libraries/engr/selfhelp/alphlist.html> Engineering Library-University of Cincinnati - Science and Engineering Databases Online.

http://www.pubmedcentral.nih.gov/fprender.fcgi?cmd=full_view 275 open access journals

<http://www.ias.ac.in/> Indian Academy of Sciences (IAS) – 11 free Indian online journals

<http://www.knowledgecenter.unr.edu/ejournals/free.aspx> 4500+ e-journals

<http://www.doaj.org/> Directory of Open Access Journals (DOAJ) currently 1210 journals are searchable at article level

<http://highwire.stanford.edu/> Institute of Physics electronic journals (IOP) 60 e-journals

Electronic References

Associations

Webpages for Scholarly Societies

Gateway to Associations Online

Idealist

World Directory of Think Tanks

Associations on the Net

International Organization and NGO
Web Sites

Meta-Index for Nonprofit
Organizations

European Mathematical Society

Atlases

Maps and Atlases

MAPS

Freeality Online Atlases, Maps, and
Travel

Atlas

Geography :Atlases

Health Atlases

Maps.com

Citation Guides

Journals Abbreviation Resources

MLA Style

CBE Documentation

Citation Formats for Natural
Scientists

Electronic References & Scholarly
Citations of

Internet Sources

Citation Styles Handbook

Dictionaries

Dictionary of Difficult Words

Roget's Internet Thesaurus

Cambridge Dictionaries Online

Webster Dictionary

Acronym Finder

One look Dictionary

Rogets Thesaurus

NASA Thesaurus

Dictionary of Units

Rusian

Familiar Quotations

Encyclopedias

Internet Encyclopedia of Philosophy

Encyclopedia

Stanford Encyclopedia of Philosophy

Encyclopedia Mythica

World Fact Books

Discovery online

Medline Plus Medical Encyclopedia

World of Mathematics

Encyclopedia Britannica

Grants

EPA Grants Writing Tutorial

NIST Grants

COS Funding Opportunities

Grantsnet

Online News Papers

Financial Times

Chicago Tribune

Indian Express

The Washington Times

The Detroit News

Daily Review

The Hindu

The New York Times

The Economic Times

USA Today

Sydney Morning Herald

Business Standard

Times of India

Businessline

Telegraph

India-Today

Express Business

Open Coursewares:

In the Open Courseware, course materials created by universities and shared freely with the World via internet. Free and open digital publication of high quality Educational materials and courses are available for use and adaptation under an open license:

<http://www.ocwconsortium.org/en/courses/search>

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.

- Assistive Technology Lab collaboration with Shri Vishnu Engg. College for Women, Bhimavaram
- Virtusa centre of Excellence collaboration with Vishnu Institute of Technology
- Uptech Idea Labs

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process and product) –**
- **Original research contributing to product improvement**
- Product improvement and development aspects are given primary consideration in the design of E-stick.
- Research contributing to product improvement - Assistive Technology Products
- Research studies or surveys benefiting the community or improving the services - Staff and students are doing the contribution.
- New initiatives for social development - Staff and students are interacting with clients to develop innovative products for people with disabilities.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board,

publication policies and whether such publication is listed in any international database?

NO.

3.4.3 Give details of publications by the faculty and students:

S.No.	Publication activity	Number of publications
1	Research Papers	39
2	Paper presentations	12
3	Books/ Monographs	5

3.4.4 Provide details (if any) of

- Research awards received by the faculty: Applied.
- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally: NIL.
- Dr.Ch.V.Srinivas is Reviewer for Elsevier Karbala International Journal of Modern Science.
- Dr.Ch.V. Srinivas is Reviewer for papers submitted to 3rd International Conference on Reformatations in Engg. Education, 2015
- Incentives given to faculty for receiving state, national and international recognitions for research contributions
- College felicitates the Faculty who completes 10 years of service.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

- MOUs with reputed institutions and industries like VIT and Sai Aditya Foods & retail Ltd.
- Inviting reputed industry/ institution experts to give guest lectures, expert talks in workshops/FDPs, hands on training to students
- Research Committee to collaborate with industries.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

- It is very much required to improve man power to build next generation
- And this policy can be achieved by a systematic plan:
 - Sending faculty to the related industries.
 - Inviting the key people from industries to campus to get a first hand information of the campus
- Providing information on the faculty expertise, testing equipment and facilities available in college website

The benefits obtained from the consultancy and funded projects can be shared between the faculty concerned and the institute

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- Giving required facilities and financial assistance
- Sanctioning Incentives
- Giving priority in promotions

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

- Maintenance of 50KWP solar power plant set up by Sri Vishnu Educational Society with a revenue of Rs.36,000/- per year, for the following tasks :
 - Monitoring of Panels, Strings, Inverter functioning.
 - Maintenance of electrical cables
 - Evaluation of day to day performance
- Water Analysis of the surrounding villages for salinity and hardness for free of cost.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

- The financial benefits will be between staff involved and institute.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighbourhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Assistive technology for challenged people in various locally organized schools:

Assistive Technology Lab works for a very unique and a noble cause of designing projects by the students of the campus institutes to benefit the differently-abled. Professor Alan Rux, founder of the Assistive Technology Program at the University of Massachusetts, Lowell, USA, visits the campus every year in the month of July and guides students in developing projects related to Assistive Technology.

ATL provides a rich, authentic learning experience for students. It is a real time platform for the students to learn and experience engineering design process, to apply their academic skills in a real-world context, and to develop important workplace skills not usually taught in the classroom. Each project team has to brainstorm and analyze alternative design solutions, and justify their chosen design; they must work within a budget, analyze the cost of various design alternatives, and in the end, make a presentation outlining their design work and final solution.

ATL engages students in real service learning, which not only benefits members of their local communities, but also helps students distinguish themselves among their peers in their future endeavours.

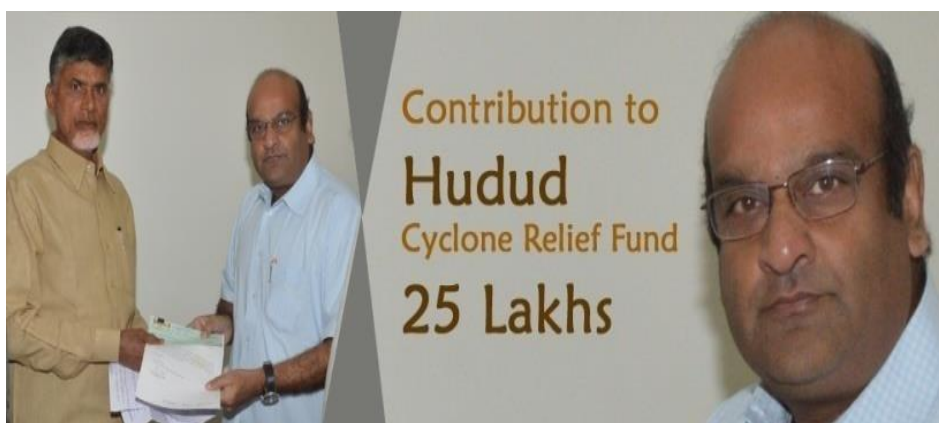
Every year around 10 students and one faculty member from electronics discipline are deputed to the ATL. The faculty guide and student members interact actively with the team of Prof. Alan Rux. The team of students, faculty guides and co-coordinators from other campus institutions, under the guidance of Prof. Alan Rux, do visits to the physically and mentally challenged centers and meet various clients. Then the students think of projects that assist the physically and mentally challenged people. They execute the projects under the guidance of faculty and test them in ATL. Finally the prototypes will be distributed to the clients on the international day for disabled (3rd December).

Continuous interaction with the local organizations through NSS, Radio Vishnu etc.

- As ISR demands, the institution has conducted several surveys regarding the societal needs of the surrounding public with the help of NSS volunteers of the institution.
- Based on the survey analysis the volunteers conduct awareness programs on health & hygiene, household toilets, child labor and women literacy.
- Students of the institute are regularly focusing on the burning issues of the uneducated women, women and children with HIV/ AIDS etc.
- The NSS activities cultivate among the students the sense of social responsibility.
- Through these activities the students are grown into around performers.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements/ activities which promote citizenship roles?

- The college has a systematic mechanism to get the students actively involved in social movements and activities through its NSS programmes.
- The institute has two NSS units through which the students involve in social activities like eradication of plastic, health awareness camps and rallies, sanitation and hygiene etc.
- The students focus on burning issues like women literacy, HIV/AIDS as mass movements.
- Sending students to conduct household survey of family earnings and employment at slum areas.
- Conducting blood grouping camps at rural schools.
- Students educate the school students at DR.B.V.Raju Knowledge Center.







NSS Mega Camp



Service at Leprosy Center



Literacy Day

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

- The college conducts parents meets, collects feedback from parents every year and suggestions will be taken from stake holders.
- Alumni association of the college has been established which gives feedback that contributes towards overall performance and quality of the institution.
- Employers are requested for their feedback on the students who got selected into their firms through placement drives.
- Parents are requested to give their valuable suggestions for further improvement of the college services.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Provide the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- Training and Placement Cell
- E-Journal Facility.
- Arranging Industrial Visits.

The College conducts several NSS activities throughout the academic year and the schedule of events consists of tree plantation, household survey, blood grouping, chlorination, skill development, cleaning the canals and ground water harvesting etc.

Activity	Year	Amount spent
Plantation	2014 - 15	Rs. 15000
AIDS awareness		Rs.22,500
Blood grouping		

Literacy Day		
NSS Day		
Youth Day		
Women's Day		
Chlorination		
	2013 - 14	
Plantation		Rs.15000
AIDS awareness		Rs.45,000
Blood grouping		
Literacy Day		
NSS Day		
Youth Day		
Women's Day		
Skill Development		
	2012 - 13	
Plantation		Rs.15,000
AIDS awareness		Rs.45,000
Blood grouping		
Literacy Day		
NSS Day		
Youth Day		
Women's Day		
Skill Development		
Household Survey		
Cleaning canals		
	2011 -12	
AIDS awareness		Rs.45,000
Blood grouping		
Literacy Day		
NSS Day		
Youth Day		
Women's Day		
Skill Development		
Household Survey		
Cleaning canals & Chlorination		Rs.22,500



Blood Grouping



Blood Donation Camp



Yoga class, part of YLTP



Knowledge Center



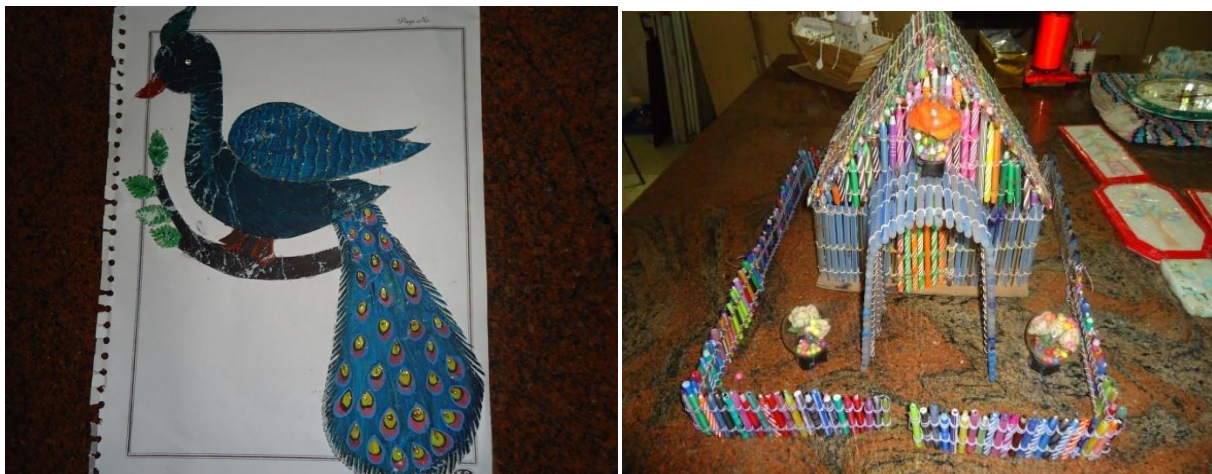
Eco Ganesh – Clay Modeling Competition



Essay Writing & Drawing Competitions



Nutritious Food Competition



Waste Material Modeling

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- The institution encourages the staff and students to participate in the service camps arranged at local centers.
- Feeding the leprosy patients and dying destitute at leprosy and AIDS rehabilitation centers in the surrounding villages on different occasions like Founder s day, Independence Day, Mother Theresa s birth day etc.
- College staff and students distribute medicines to leprosy and AIDS patients sponsored by B.V.Raju Foundation.
- College NSS volunteers participated in the International Conference on Bio Diversity held at Hyderabad in 2013.
- The organization has adopted a nearby village, Kovvada, to develop it as a Smart Village wherein the student volunteers and staff coordinators are actively involved.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- Our institution conducted a critical skill development survey in the Undi Assembly Constituency.
- 140 NSS volunteers participated in the survey.
- Based on the survey results the local people skills are known and which skills are needed for development have been identified.
- District Collector appreciated the students services and presented certificates to the students.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The institution has set well defined objectives for its extension activities to reach out by the NSS activities that are intended for the students all round development. The details are given under:

Objective	Expected outcome	Activity	Remarks
Entrepreneurship	Skilled manpower	Skill development	Supplement self employment

leadership	Problem solving	YLTP	Independent thinking
Environment Concious	Clean & Green culture	Plantation of saplings	Reducing carbon usage
Blood Donation	Life saving mindset	Blood grouping	Enriched human values
Nutrition	Nutricious food preparation	Food exhibition	Awareness of nutrition in daily life
Social status	Understanding different sections of people	Social survey	Learning how different people are living

- Human values are highly appreciated through ATL
- Team work with social responsibility
- Improvement in communication skills
- Learning different styles of living
- Fabrication of devices

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- Without the involvement of the local community no activity is successful.
- All community based activities are taken up by involving the local public with the permission of the village head.
- The activities taken up by the senior faculty who interact with the local community leaders and get the people involved in the awareness camps and rallies.
- Through ISR the institution extends help to some extent that formal needs will be met.
- The programs of radio Vishnu 90.4 focus on the local issues and includes in its broadcasting schedule.

- Screening of education films on women literacy, child labour, health & hygiene would definitely educate the rural folk for better living.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The institution has well defined relationship with its sister institutions located in the same campus for outreach activities as shown below:

Institution	Activity	Relationship
Vishnu Dental College	Histological techniques	To establish diagnostic centers
Sri Vishnu College of Pharmacy	Advanced techniques	To get hands on experience for better opportunities
Shri Vishnu Engg. College for Women	ATL	of assistive devices for physically challenged
Vishnu Institute of Technology	Library utility	To acquaintance with latest literature and knowledge updates.
SV Deaf and Dumb School, Bhimavaram	Identification of personal requirement	Customized device manufacturing
BVRaju municipal school	National Literacy Day	Distribution of education accessories

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.

The Organization has received two national awards for its unstinting services in the education sector and the list is presented below:

IMC Ramakrishna Bajaj National Quality Commendation Certificate – 2011
 IMC Ramkrishna Bajaj National Quality AWARD with TROPHY – 2012
 APQO Global Performance Excellence Award – 2012
 INDUS Foundation presented Indo Global Educational Excellence Award – 2014



IMC Ramkrishna Bajaj National Quality AWARD with TROPHY – 2012



Best in Class Award 2012

2nd highest in Education Sector

Sri Vishnu Educational Society

APQO Global Performance Excellence Award – 2012



Distinguished Alumni Award (NIT Trichi) for our Chairman Sri K.V.Vishnu Raju



Teaching Excellence Award to Dr.Ch.V.Srinivas



Educational Excellence Award for the Institution received by Mr M Rambabu, HOD, Life Sciences

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The institution collaborates with research laboratories, institutes and industry for research activities through MOUs to exchange the ideas, train staff & students. Few MOUs are listed below.

- IEG - JKC
- Vennar Ceramics, Kaikaluru, West Godavari (Dist).
- Sai Aditya Foods & Retail, Vizianagaram
- Vishnu Dental College, Bhimavaram
- Eliphos, Hyderabad
- IDEA Labs, Hyderabad

Benefits accrued of the Collaboration:

IEG Trains the students through JKC to face better in the placements.

Organic Chemistry students undergo training on advanced instruments.

Talent Sprint imparts expert training for placements in high level companies

Life Science students get good exposure in realtime procedures in dental labs.

MCA students of 3rd year are doing their project works in collaboration with IDEA labs.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

S.No.	MOU with	Contribution
1	UMASS-Lowell	ATL – design and fabrication
2	IEG, Hyderabad	Improved Placement & Training activities
3	Sai Aditya Foods & Retail, Vizainagaram	For Practical training to Bakery & Confectionery course students
4	Vennar Ceramics, Kaikaluru	Exposure to students on practical and industrial practices
5	VAC BIOTECH	Training on Molecular techniques & DNA finger printing
6	Vishnu Institute of Technology	E - Library

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology/ placement services etc.

- With the collaboration of Sai Aditya Foods the institution has started a 3 month certificate course on Bakery & Confectionery.
- Jawahar Knowledge Center facilitates the students with placement training and recruitment.
- With the support of Assistive Technology Laboratory, customized devices for physically challenged people are designed and fabricated.
- With the help of Sri Vishnu College of Pharmacy, a 10 day workshop for M.Sc students is conducted on advanced instruments like HPLC, Spectro photometer, Electro spinning apparatus etc.
- With the help of Vishnu Institute of Technology Library, the students of this institution are allowed to utilize the digital library services.
- With the cooperation of Shri Vishnu Engg College for Women our students are given training on ATL technologies.
- With the support of Vishnu TV Academy a certificate course on Audio Visual Communication with a duration of 3 months that facilitates the students with expert training on Voice culture, body language etc.
- Industry-Institute Community interactions by inviting scientists and industrialists to deliver guest lectures and to organize workshops and seminars helped the institution in so many ways.
- Faculty and students are trained to meet the technological needs of industry and society.
- Awareness on importance of collaborative research projects and live projects for students is created by inviting eminent scientists and industrial personnel.

Both faculty and students are benefited by organizing Industry oriented workshops where in they gain hands-on experience and industrial exposure.

3.7.4 Highlight the names of eminent scientists/participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

S.No.	Name	Programme	Date
1	Dr.V.Ramadevi, VIT	Workshop on ELTS	6.7.2011

2	Sri M. Srinivasa Varma, SVECW	CRT	7-8- 2011 to 8.8.2011
3	Dr.DSV Durga Prasad	FDP	14.9.2012
4	Dr.S.Srinivas, VIT University	Guest Lecture	3.10.2012
5	Dr,V.Kalyani, KITS	Workshop on Soft skills	12 th &13 th Oct'2012
6	Dr.NAD Paul, AU	FDP	
7	Dr.V S Raju, IITD(Retd)	FDP	31.8.2013
8	DR.P V S.Anand, UOH	FDP	30.8.2013
9	Dr.P Suresh Varma, ANUR	Seminar	2.9 2013
10	Dr.P Raghu Prasad, SVCP	Dr. Yellapragada Subba Rao Memorial Lecture	
11	Dr.G.Nageswara Rao, AU	Expert Lecture	12.9.2013
12	Dr.K.Ramchandra, VRSEC	Workshop	16.10.2013
13	Dr.Ch.V.Jairam, INCOIS	Guest lecture	23.11.2013
14	Dr.B.Sridhar, IICT	Guest Lecture	22.1.2014
15	Dr.RLN Sai Prasad, NITW	Guest Lecture	16.6.2014
16	Dr.NAD Paul, AU	FDP for POs	12 th – 17 th Dec'2014
17	Dr.Ch V Jairam, ISRO	Guest Lecture	18.8 2014
18	Dr.A Ratnakar, VRSEC	DrYellapragada Memorial Lecture	12.1.2015

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

a) Curriculum development/enrichment:

As the institution is affiliated to Adikavi Nannaya University, it needs to follow the curriculum stipulated by the university.

The exposure of staff and students to new technology ushers the urge for advanced learning.

The collaboration with Sai Aditya Foods has turned into an MOU for the conduction of a Add On course on Bakery & Confectionery

b) Internship/ On-the-job training:

Students of the institution are doing summer internships at Vishnu Dental College Students are sent to VAC Biotech, Hyderabad for internships and practical exposure.

c) Summer placement:

- The students of Bakery & Confectionary course are placed in the Fresh Choice outlets during summer holidays.
- The Commerce students are offered short term training in the Accounts division of the parent society in the summer holidays.
- Chemistry are offered floor trainee jobs at Vennar Ceramics

d) Faculty exchange and professional development:

- Faculty members are sent to BVRIT - Anjani Powder research center to get trained on powder technology.
- Faculty members are sent to Training on communication skills to other colleges.
- Faculty members are deputed to Govt. Degree College, the District Resource Center, Tanuku to get trained on Human Values and Professional Ethics.
- Experts are invited to the institution for delivering lectures on latest techniques and methodologies in Life Sciences.
- Faculty are able to take up inter-disciplinary projects.

Consultancy:

Solar Power Plant of 50 KWP with the following services

1. Maintenance of Solar panels, Strings.
2. Evaluation of day to day performance.

Water analysis of various water resources in and around the institution

Extension:

- House wives also get trained on baking in the short term training module.
- Press reporters are trained through the Audio Visual Communication course.

Publication:

Faculty are motivated to publish their research work in journals and proceedings in addition to their experience at the collaborating organizations.

Student Placement:

With the support of the Integrated Training Program all the eligible students are

regularly trained to get placements in the pool drives conducted on campus and off campus.

Twinning programs:

The certificate courses are add on courses and as such the regular degree programme and the certificate courses are twinned in an academic year.

k) Introduction of new courses

1. Bakery & Confectionery course
2. Banking & Insurance course (under process)

l) Student exchange

Nil

m) Any other

Community development and social responsibility through industry network.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

- The college has stated policy in planning, establishing and implementing the initiatives of the linkages/ collaborations
- The college provides opportunity and extends necessary support to the faculty to strengthen the relations with related industries.

CRITERIAN IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

The management is committed and has a positive approach for the development of infrastructure facilities for the benefit of the stakeholders. Hence, with a motive of developing the institution unique in its nature and standing along with the prestigious institutions in the state of AP for effective teaching and learning processes. Being sponsored by the visionary management, the institution has been supported for all the required infrastructure an academic institution requires. The quality policy of the institution comprises of the following:

The chief motive is to attain self reliance through employability with sustained academic excellence.

- All labs are equipped with the equipment required as per curriculum.
- This will help for creating advanced practical sessions for students
- Obsolete equipment will be discarded after scrutiny.
- Old labs are modified with respect to area and furniture concerned.
- Hands on experience to all students on syllabus is an added advantage.
- Power back up is provided with on campus generator sets as well as Solar power facility.
- Library is under modernization process.

Though the facilities are created in accordance with the regular norms, the facilities are being regularly upgraded as per the requirements of the departments, by GB, SLT and CAC and feedbacks collected from all the stakeholders.

Few objectives laid by GB and CAC for the creation and enhancement of infrastructure that facilitate effective teaching, learning and research activities are:

- Providing sufficient well-ventilated, well-furnished class rooms, staff rooms, smart classrooms and laboratories with good ambience
- Providing conference halls and libraries in each department supported with

ICT facilities.

- Providing access to internet for students and faculty members so as to keep abreast with technology.
- Developing central library as a knowledge hub.
- Developing labs as per curriculum requirement and also beyond the curriculum.
- Providing amenities like canteen, transport, playgrounds, and girls hostels etc.

The policy for the creation and development of infrastructure facilities are such as:

Whenever new courses are sanctioned or additional intake is sanctioned, or a need is felt to introduce new technology facility, new buildings are constructed or additional floor space is created. Also, the college regularly updates physical infrastructure by constructing new buildings and replacing/updating obsolete equipment with modern equipment.

The college building is allocated to the departments with class rooms, HOD rooms, Faculty rooms, laboratories, Seminar hall, waiting hall depending on floor space required by each department.

- The respective department HODs will prepare budget proposals under different heads such as capital budget, developmental budget and maintenance budget.
- Every year budget proposals are submitted by different departments for purchase/upgrading of new equipment for laboratories.
- The proposals are scrutinized by CAC, Finance Officer and funds are sanctioned for the purchase of necessary equipment after the final decision made by G B and Finance Director.
- In the college GB meeting, the finance officer approves the budget and it will be sanctioned for each department basing on the merit of each proposal.
- Any purchases for development activities are carried out in systematic manner by calling for quotations, purchase committee meeting for technical and commercial negotiations and ensuring good quality facilities are created.



4.1.2 Detail the facilities available for a. Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

Floor/ Room No.	Description	Area in Sq.ft.
Ground Floor	Principal's Room	450
	College Office	556
	Exam Cell	456
	Computer Lab	760
	HOD, CS	120
	Library	1546
	II M.Sc. class room	278
I Floor 201	Store Room	128
202	Computer Lab I	556
203	Chemical Stores	249
204	Computer Lab II & III	1276
205	Placement Cell	621
206	Acad. In Charge	410
207	I MPC	508
208	III MECs	502
209	Toilet	110
210	Toilet	110
211	Physics Lab I	693
212	Physics Lab II	693
213	Electronics Lab I	554
214	Electronics Lab II	554
215	Toilets	110

216	Toilets	110
217	I MSCs	502
218	IMECs A	502
219	I MPCs	502
220	I MECs B	508
221	MSc Physical Lab	442
222	UG Chemistry Lab	1203
223	MSc I Class	502
224	Toilet	110
225	Toilet	110
226	Microbiology Lab	554
227	Biotechnology Lab	554
228	Biochemistry Lab I	554
229	Biochemistry Lab II	554
II Floor/ 301	Commerce Staff room	146
302	I B.Com	556
303	Seminar Hall	883
304	II MPC	556
305	III MPC	556
306	IIIMPCs	556
307	II MECs	556
308	Staff room	402
309	Ladies staff room	295
310	Toilet	110
311	Toilet	110
312	II MPCs	556
313	III Life Sciences	556
314	II Life Sciences	556
315	I Life Sciences	556
316	HOD, Physics	146
317	Waiting room	146
318	Toilets	110
319	Toilets	110
320	HOD, Life Sciences	116
321	M.Sc. Inorganic Lab	2650
322	M.Sc. Organic Lab	2256
323	M.Sc. Staff Room	295
324	HOD, M.Sc.	264
325	III B.Com	556

326	II B.Com	556
327	III MSCs	556
328	II MSCs	556
329	Toilets	110
330	Toilets	110
331	HOD, M & H	146
332	VCLC	149
333	II BT BC C	556
334	I MB BT BC	556
335	III MECs - A	556
336	II MECs - A	556

Classrooms:

- The institution has sufficient number of well-furnished, well-ventilated, classrooms for conducting theory classes, University Internal and External theory examinations.
- Better Aspect ratio is maintained for proper visibility of glass board and audibility.
- All the classrooms are at close proximity with HOD rooms & Staff rooms in order to have better access for the students.

Technology enabled learning rooms (Smart Classrooms):

- The institution has a smart class room suitable for having the ICT based teaching methodologies.
- The smart class room has a seating capacity of 60, equipped with LCD projector, Wi-Fi and LAN enabled internet connectivity, podium, public addressing system etc.

Seminar Halls:

- The college has a seminar hall to conduct conferences, workshops and symposia for students and faculty. Sophisticated audio visual equipment facilitates high quality presentations, video conferencing and live media streaming are available in these halls.
- The seminar hall has a seating capacity of 100 and is air conditioned. It is equipped with LCD projector, LCD screen, and public addressing system.
- In addition to the above seminar hall there are two conference halls one with 210 seating capacity(Colloquium) and the other with 60 capacity(Mini Conference Hall) for conducting higher level seminars and conferences.

Sports:

- The College encourages and provides facilities for students to participate in both outdoor and indoor games. The college had its identity in the university for encouraging students in the field of sports by participating in various inter-university level tournaments.
- A fulltime Physical Director trains the students to achieve greater heights in their fields of interest.

Outdoor Games:

- Play grounds are available for outdoor games like Tennis, Basket ball, Cricket, Volley Ball and Ball Badminton courts etc.

Indoor Games:

- Facilities for the indoor games like Shuttle, Table Tennis, Chess, Carom sets, are provided to students in the college campus at Padmabushan Dr. BV Raju Indoor stadium.



Out door games



Indoor games

Auditorium:

- The college is adorned with two modern, well equipped auditorium for organizing workshops, seminars, technical fests, symposiums, on campus and off placement drives, placement trainings guest talks, college annual functions etc. The seating capacity of the halls are 1000 and 300 respectively and are fully air-conditioned, multimedia equipped. movies for hostlers etc. The college also has an open air auditorium with a seating capacity of 1200 exclusively used to address big gathering for college functions.



Auditorium with 1200 capacity



Gathering in the auditorium

Other Common Amenities and Facilities:

- There is a visitor's lounge in the hostel warden office for Parents separately. Parents coming from long distances can wait here and refresh themselves.
- AC dining halls are available for students, staff and other stakeholders in all the three floors of Annapurna Canteen.
- The campus holds an open garden with number of different flowers and plantations to provide students with refreshment of mind and to develop concentration, which provides eco friendly green environment.
- Vishnu Aqua mineral water plant is established to supply pure and clean drinking water for every block / building and all hostels in the campus
- **Dr. BV Raju Knowledge Center:** This Nodal Center for excellence in school education was started in December 2006. This Knowledge Centre with an aspiration to provide quality primary education to children from rural schools where infrastructure and laboratory facilities are not available. The Knowledge Centre can accommodate 120 students and is equipped with physics, chemistry, biology and computer laboratories to facilitate students from VI to X classes to gain knowledge through first hand experimentation. Apart from this, the Knowledge centre has a well stocked library, computers with internet facility, LCD Projectors and teaching audio-visual aids, scientific equipment and models, and CDs of related subjects for classes from VI to X standard.



Temple Complex



Knowledge Center



Radio Vishnu 90.4



Boat riding

B) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The students take interest in sports along with their Curricular &Co- curricular, because participation in sports is a vital aspect for all ages and a powerful medium of interaction with other institutions. The college has facilities for various sports activities for both staff and students. The college has conducted many sports events inside the campus and many of our students have participated in Zonal and State Level competitions and won several prizes in various sports events. Table 4.5 shows the common amenities shared by all the students in the college for Extra – Curricular activities for both indoor and outdoor games.



Common Sports Facilities in the Campus:

- A Sports complex is developed in the fourth phase of the campus with the following outdoor games facilities like
Cricket ground,
400 M running track,
Volley Ball courts,
Tennis courts,
Basket Ball courts and
Swimming pool
- Indoor games complex with shuttle courts, Table Tennis courts, tennis courts etc is available in the campus.
- Games like Caroms, Chess etc are also being conducted.
- Separate Gyms for boys and girls are arranged with necessary equipment.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

- The existing infrastructure is sufficient for smooth conduction of all academic activities as specified for the curriculum.
- New class rooms and computer labs are constructed for new sections as and they are introduced.
- Up gradation of the facilities is the standard option.
- Some of the facilities created during the last four years include:
Three class rooms for the 3 year degree course B.Com
Two new computer labs for B.Com(Voc) course

Text books for all students of B.Com (Voc) course
Placement & Career Guidance Cell with TPO cabin.

S.No.	Facilities	Amount Spent in Rs.			
		2011-12	2012-13	2013-14	2014-15
1	Books	94763	82596	127371	185588
2	Capital expenses	262471	1095392	2637657	2792462
3					

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- The physically disabled students are specially taken care both for their class room studies and lab sessions.
- Lab Assistants help the physically disabled students in practical classes the in labs.
- Blind students are provided with scribes for writing the examinations.
- Students design and fabricate assistive tools for physically disabled student after customization.



4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility (Accommodation available) - Yes
- Recreational facilities, gymnasium, yoga center, etc. - Yes
- Computer facility including access to internet in hostel - Yes
- Facilities for medical emergencies - Yes

- Internet and Wi-Fi facility - Yes
- Recreational facility-common room with audio-visual equipments - Yes
- Constant supply of safe drinking water - Yes
- Security - Yes
- Mineral water facility –Yes



Hostels



Dining Hall

Hostels:

Spacious rooms with common bathrooms, Table, Chair, Bed & Fan, Common Room with facilities like TV, Indoor Games, Reading Room with facilities of News Papers, Magazines etc. and Play ground, Wi-Fi and Inhouse Book Shops are the available facilities in hostels.

Recreational facilities, gymnasium, yoga center, etc.

- The campus holds temple of Gods at the beginning of the hostels, various poojas and procession happens in all auspicious days and festival days. The host of shrines in the campus creates an evocative environment engendering a

spiritual perspective in the inmates of the campus.

- Most of the students visits Dr. BV Raju memorial for mediation, peace of mind and also study up to late hours.
- With the popularity of Yoga, this has become a lucrative field to pursue in the campus. Therefore, yoga and meditation sessions are conducted for students to help them maintain both Healthy Mind and Body. Trained student volunteers and professionals staff assist the students to practice yoga in the campus
- The campus holds a Vishnu Fitness Center which is fully equipped with all devices for Exercise for physical and mental growth. The Vishnu Fitness Center is a state-of-the-art facility and is open to all the students to provide quality health and fitness services to the entire student community in the campus. The fitness center is the flagship of the Department of Physical Education.
- The aim of fitness center at the college was to support student oriented exercise and wellness resource facility dedicated to promote and enhance the lives of its students through social, physical, mental, and emotional benefits of participation in physical activities. The Fitness center is open both in the Morning and Evening hours. The fitness is featured with the equipment like steppers, bikes, rowers, elliptical trainers, selected weight machines, free weights, barbells, and dumbbells, Pull-Up Bar, Body Weight Leverage Training, Flooring, Kettle bells, Sound Systems, Stability Ball, Resistance Bands/Tubing, Vibration Plates, Discs, Pilates Equipment, Power Clubs, and Jump Rope etc.
- The campus has a green open space ground, lake view lawns with walking tracks for recreation of students. Lake View Court with its superb view of the lake and the green ambience all around is a perfect hangout for the students. It caters to the diverse needs of the students housing a Xerox Centre, a canteen, a bakery along with a coffee shop. It is a place for unwinding as well as a place for student bonding.

Computer facility, Internet and Wi-Fi facility

- Wi-Fi is available in campus and students access internet with high speed using their desktop and laptop computers from their hostel rooms. It facilitates the students to download lectures of eminent professors of various universities, video clippings, course plans and presentations on advanced topics.
- The students have computing facility to use college LANs with OFC backbone
- The campus has a 20Mbps leased line Broadband connectivity from BSNL
- Incoming Telephone & intercom facility is provided for all the blocks in hostels.

- Kiosks are placed in various blocks the college and library to access internet
- Facilities for medical emergencies**
- The College and the hostel have complete arrangement for students in need of medical assistance.
 - All hostel blocks are provided with first aid kit and general medicines to take care of simple illness.
 - A clinic is located inside the hostel and is open 24 hours under a supervision of a qualified doctor.
 - Emergency clinic is also available in campus at Vishnu Dental Hospital under the supervision of General Doctor.
 - The campus has an ambulance facility to meet emergencies if happened with students and shift them to nearby hospitals in Bhimavaram
 - Emergency transportation is also arranged to hostlers, with college own vehicles



Medical Facilities in the campus

Recreational facility-common room with audio-visual equipments

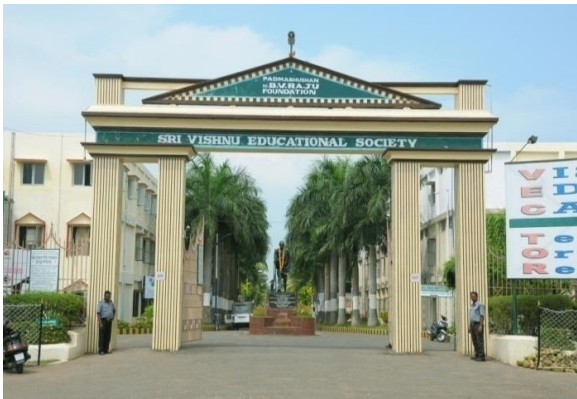
- There is one recreation room per hostel. The Common Recreation rooms are equipped with television, Audio systems and are accessible to students in all days.

Security

- The college hires a Third Party security agency called Navbharat Securities Ltd for security in campus. The agency deploys about 87 number of security personnel to maintain peace and discipline on campus controlled by a chief security officer. Along with this the campus has its In-house mechanism with 27 Watchmen, 2 supervisors and 1 campus patrol who work on each shift of total 3 shifts. In addition there are 4 lady watchmen at night time.
- Watchman shed and Gate-keeper room has been made at almost all

entrances of hostels, proper security check is made and monitored centrally.

- The college holds CC camera at the main gate and important places in the campus to monitor the student activities and discipline.
- Biometric thumb impression, photo identity are made mandatory for external persons including parents
- Security service is available in all days of the year round the clock both in the campus and hostels.
- 24 hours security available with 68 CC cameras and electronic security surveillance.



Campus Security

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

The college is keenly observant on the health aspects of its students and staff both on campus and off campus, the following is the initiatives taken

- All the students are given health insurance (group mediclaim) policy at the time of joining the college in the first year.
- All the supporting staff are enrolled under ESI scheme and they are given medical assistance in network hospitals in Bhimavaram and major towns in Andhra Pradesh
- The college runs a health center 24x7 in the hostel, which is supervised by a qualified doctor and a nurse to provide assistance with warmth and care.
- First aid boxes are available in all departments, hostels, fitness center, laboratory to handle minor injuries, headaches, fever etc.

The Vishnu Dental college, a sister institution, is located in the same campus. The college has a qualified doctor, nurse and special rooms for attending general medicines round the clock. Hence, a 24 x 7 health care is ensured for the students

and the staff. The health care centre is provided with equipped emergency treatment aids for any kind of unforeseen accidental events.

- 25% concession is given to all students, staff and supporting staff for their dental care in the hospital.
- The dental hospital runs a pharmacy shop having both dental and general medicines. This shop is accessible to all the students and staff in the college round the clock.
- The college runs ambulance to handle emergencies and contingency by shifting the students, staff to super specialties hospitals in and around Bhimavaram town. The response time in calling the ambulance service in the college will be less than 5 minutes.
- Free medical checkup, dental campus, free vaccine, health awareness programmes, are provided to students and staff on and off campus.

4.1.7 Give details of the Common Facilities available on the campus –spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

S.No.	Facility	Activities
1	IQAC	To monitor the teaching learning process and advise refinements from time to time.
2	Grievances Redressall Cell	Taking care of the individual grievances of staff and students and addressing them properly. Grievance/ suggestion box is provided for dropping grievance or suggestion slips A Senior faculty, Mr. B. Kiran is designated as Coordinator of the Cell for shooting out the issues and bringing to the notice if the Principal.
3	Women’ s Cell	A senior lady faculty member, Smt. J.Padmavathi, is appointed as coordinator to look after the girl students and lady staff members’ problems.
4	Mentoring	Each section is allotted to a Teacher Mentor to monitor the students in the class room.

		Faculty members are trained in dealing with students having typical mentality
5	Placement & Career Guidance	<p>1. A well furnished placement cell with a separate cabin to the Placement Officer is established.</p> <p>2. A library is provided in the Placement cell.</p> <p>3. Mr.K S N Raju is the Placement officer, looking after the training, placement and career guidance activities.</p> <p>4. A separate training team for placements is established with Mr. Ch. Satyanarayana as Coordinator</p>
6	Health Center	There is a 20 bed health center in the campus with a doctor and qualified nurses for health care of the campus community.
7	Canteen	<p>There are two canteens in the campus earmarked for boys and girls separately which serve breakfast, lunch, snacks and dinner.</p> <p>Fresh choice outlets are established for snacks, fast foods and drinks.</p> <p>Lake view canteen is established beside the pond</p> <p>Temple Square is another retail outlet for fast foods and bakery items</p> <p>Campus juice center caters the drinks and juice facility.</p>
8	Recreational Spaces	<p>There are two auditoria in the campus one with 1200 capacity and the other with 300 capacity are constructed for recreational purposes</p> <p>Open air auditorium is also available for evening functions</p> <p>Several open access lawns are available for informal get togethers.</p>
9	Safe Drinking Water	<p>A mineral water plant with a 20Lakh Lt capacity is available in the campus for drinking water facility to the entire campus.</p> <p>The water is treated in nine stages (Sand filter,</p>

		Carbon filter, Micron filter, Double micron filter, High pressure pump, Reverse Osmosis (RO), Dosing pump, Ozonator, UV System, Bottling / Water Tins) in the plant.
10	Guest House	The in campus guest house consists of nine A/C double rooms and two A/C suits supported by two dining halls and an A/C lounge. Another guest house is located in the town with all A/C rooms and a dining hall.
11	Department Stores	One department stores is available at the second gate, in the first floor of the Temple Square Stationery items are also available in the department stores
12	Post Office & Bank	The campus has a Post Office at the entrance working from 10 AM to 6 PM Indian Bank branch is available in the first phase of the campus. Two ATMs one of SBI and the other of Indian Bank are available in the campus
13	Book Stall	Higginbothams book stall is located at Annapurna Canteen
14	Telephone Exchange	Vishnu Telephone Exchange is located in the first phase of the campus to serve on the OFC network.
15	Power Backup	Power generators are available backup requirements rated with 180 KVA, 125 KVA and 63 KVA
16	Staff quarters	Quarters for Principals of the campus colleges are available in the campus. Green Meadows, a housing colony for campus employees is developed for comfortable stay.
17	Beauty Parlor	A beauty parlour is located in the women s hostel
18	Convenience shop	The Convenience shop is strategically located in the first floor of the temple square in the campus. This shop primarily sells souvenirs relating to a particular topic or theme. The

featuring variety of products sold with Vishnu Logo on bags, key chains, pens, notebooks, coffee mugs, caps, trousers, shirts, t-shirts blazers, ties, wrist watches, time pieces, eco bottles, stationeries etc. There is a wide range of collection from traditional confectionary to a superior selection of gift articles and greeting cards



Canteen



Food Courts



Higginbothams Book Shop



Convenience Shop



Mineral Water Plant



Guest House



Post Office



Indian Bank



Indian Bank ATM



SBI - ATM



Vishnu BSNL Exchange



Power Backup Rooms



Green Meadows & Quarters

Sports Facilities Details:

Sports	Games
<ul style="list-style-type: none"> • 200 meters running track(girls) • 400 meters running track(boys) • Long Jump1+1 • High Jump1+1 • Triple Jump1+1 • Shot put1+1 • Discus throw1+1 • Javelin throw1+1 	<ul style="list-style-type: none"> • Volley Ball – 4 +4 • Basket Ball – 1+1 courts • Throw ball – 03 courts • Lawn Tennis - 1court • Table Tennis-03 courts • Chess- 20 boards • Caroms- 10 boards
<p>Timings:</p> <p>Yoga Classes Morning 5:00 am to 7:00 am</p> <p>Fitness Center Morning 5:00 am to 7:00 am, Evening 3:00 pm to 7:00 pm</p>	

Playgrounds dimensions

Dimensions of Playgrounds	Length M	Breadth M	Area (sq. m)
200 m Track	123.00	90.00	11070.00
400 m Track	246.00	180.00	22140.00
Infront of Padmavathi Hostel Throw Ball &Tennikoit	33.50	59.86	2005.31
Kho-Kho&Kabadi Courts	34.00	59.65	2028.10
LAWN Tennis Court	30.29	53.63	1624.45
Basket Ball & Throw Ball courts	49.72	44.68	2221.49

Cricket Net Practice &Kho-Kho Court	66.80	49.79	3325.97
Total			22275.32

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 college does have a Library Advisory Committee (LAC). The function of LAC is to support the functioning of the Library so that it can facilitate the Library development plans by advocating the library development activities. In addition, the library committee acts as a channel of communication between the College Library and its users. The Constitution of the Library Advisory Committee is with the members of College Academic Committee and the Librarian.

The Major functionalities of this committee are:

- The activities of the library are monitored by way of lending of books, purchase of books, lending of audio-visual material, stock verification, computerization etc.
- Distribution of funds allocated for books, journals, e-journals, furniture, functioning of the Digital Library etc.
- To review the functioning of the library with regards to its support to the academic programmes of the college.
- To monitor and evaluate, from time to time, trends and developments in information technologies, networking, library automation.
- To formulate action plan for the development of library infrastructure, facilities, products and services.
- Establish a clean and calm environment inside the library to motivate the user to spend more hours.

- Processes of Library audit including financial and usability of the books etc. fall under the purview of the committee in a non-statutory manner.

The Central Library is located in the separate block, this is a new multi-storeyed building with more area for stacks and reading space, well ventilated and furnished. The new library is planned to have modern facilities like group discussion rooms, videoconference room and digital library. It is also designed for more study tables in open book category as well as reference books section. The Library is open to all students and faculty during all its working hours. Reprographic facilities are available in the Library. Reference books can be studied only in the Library. Library is very user friendly to all students and physically handicapped students. At present there are 16589 volumes of books with 1234 titles. These books are issued through Ecap automation software. Short-term provision of borrowing books are issued to use in the reading rooms, wall magazines, power back up and pure drinking water facilities are also available.

Library is equipped with the state of art facilities where the students and the faculty can make use of resource available. The overall Environment of Library is user friendly. Faculty of Library Science is totally dedicated to put their best efforts in satisfying the student community.

For outside users only the reference materials are available with prior permission of Principal and Librarian to ensure security. The digital library has 160 computers with high-speed internet facility and a bandwidth of 16 mbps. A Book Bank section contains standard textbooks in all subjects, which are loaned to deserving students for a period of one year. The latest catalogues, Bibliographies and Book Reviews in newspapers are transmitted to the heads concerned of the departments on the last day of the month.

Significant Initiatives implemented by the committee to render the library student / user friendly.

- Construction of New Building with more than 3132 Sq. ft.
- Digital library with high speed Internet.
- Library usage extended to 6.00 p.m. in all working days.

- Reprographic Machine.
- Departmental Library.
- Dcap Office automation software upgradation (Barcode technology).
- Free Access to Online Journals and e-resources in campus Intranet, LANs (IEEE, Springer, Mc-Graw-Hill, ASCE, ASME, ASTM, J-GATE, Elsevier).
- INFLIBNET N – LIST Membership.
- NPTEL Video Lecturers.

4.2.2 Provide details of the following:

- ❖ Total area of the library (in Sq. Mts.) : 3132 Sq.ft.
- ❖ Total seating capacity : 150
- ❖ Working hours (on working days, on holidays, before examination days, during examination days, during vaction).

Working hours of Central Library

Description	Working Hours
Working Days	9.00 AM to 6.00 PM
Sundays & Holidays	09.00 a.m. to 01.00 p.m.
During Vacation	08.30 a.m. to 04.30 p.m.

Layout of the Library (individual reading carrels, lounge area for browsing and relaxed reading, It Zone for accessing e-resources)

Discription	Area in Sq.ft.	Utility

Lounge	146	Issues and returns
Reading room	700	Books, Magazines and news papers reading
Digital Library	556	Internet and e resources accessing

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

The purchasing of books and other print materials for the library is done through the central purchasing office of the organization based on the requirements of each department.

The latest purchasing is done through a software exclusively developed for purchase of all books and equipment for the institution.

Library holdings	2011-12		2012-13		2013-14		2014-15	
	No.	Cost	No.	Cost	No.	Cost	No.	Cost
Text books /Reference books	100	43415	204	35860	333	84261	194	92884
Magazines/journals	19		19		23		24	
E - resources					200	371640	300	554976

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC : Yes
- Electronic Resource Management Package for e-Journals : Yes
- Federated searching tools to search articles in multiple databases: No
- Library Website : Yes
- In-House / remote access to e-Publication : No
- Library Automation : Yes

- Total number of computers for public access : 160
- Total numbers of Printers for public access : 1
- Internet band width speed : 20 mbps
- Institutional Repository : No
- Content management system for e-learning : NPTEL vedios
- Participation in Resource Shaing networks / consortia (like inflibnet) :
INFLIBNET N LIST

4.2.5 Provide details on the following items:

- Average number of Walk -ins : 120 per day
- Average number of books issued . returned : 80 per day
- Ratio of library books to students enrolled : 1:5
- Average number of books added during last three years : 2400
- Average number of login to OPAC : 100 per day
- Average number of Login to e-reouces : 30 per day
- Average number of e-resources downloaded / printed : 35 to 50
per day
- Number of information literacy trainings organized : one time per year
- Number of weeding out of books and other materials --- unnoticeable

4.2.6 Give details of the specialized services provided by the library

- Manuscripts : No
- Reference : Yes
- Reprography : Yes
- ILL(inter Libray Loan Service) : Yes

- Information Deployment and Notification : Yes
- OPAC : Yes
- Internet Access : yes
- Downloads : Yes
- Printouts : Yes
- Reading List / Bibliography Compilation : Yes
- In-House / remote access to e-resources :Yes
- User Orientation : Yes
- Assistance in searching Databases : Yes
- INFLIBNET / IUC facilities : INFLIBNET

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- User education programs regarding library facilities often conducted in the class rooms for better library usage.
- During first year orientation program and induction program for faculty, various facilities, timings and infrastructure provided by the library are disseminated.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The library provides specialized services to the physically challenged persons. They are given top priority for issuing the books. The library is located in the ground floor of the building. The physical presence of such persons for getting/returning the books is not insisted. Library staff helps visually/physically challenged persons for the book issue as well they provide the library facility on need basis as and when required. Flexible borrowing facilities including extended loan period are provided for them.

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

Yes, there is feedback system in which students offer their views on library facilities. The following are the strategies that are deployed by the library to feedback from users are;

- The students and staff are always encouraged to meet the librarian or Asst. librarian at any time in working hours and represent their problems.
- The Librarian and Asst. Librarian will personally interact with the class representatives of each department. The issues raised by CRs are clearly discussed and action plan is formulated
- The suggestions of staff and students are taken into consideration for improving the services.
The book bank scheme is introduced on the suggestion of staff
- The automation software has an online facility to collect feedback from students independently. Feedback is collected from students at the end of each semester.
- A complaint and suggestion book is placed in the library, where the students can record their problem manually.
- Feedback forms are also positioned in the library

4.3 IT Infrastructure

4.3.1 Give details of the College's computing facilities (hardware and software). at the institution.

Details of Systems:

I3 systems	55
HP i3 systems	05
HP dual core	30
HP pro core to dual	20
HP dual core	68
HP pro core to dual	28

HCL dual core	45
HCL P IV	18
TOTAL	269

List of Softwares

Microsoft softwares

MAT Lab

Autocad

PACT Revenue

Finance & Accounts software - Tally

Computer Student Ratio: UG 1:4

Stand Alone facility: All HODs have stand alone facility including the Placement Officer

LAN facility

The college is having a well-connected Campus LAN, which is a hybrid LAN in terms of wireless and wired connectivity. The total campus is Wi-Fi enabled and is internally connected with wired LAN. 10 Km fiber backbone (OFC cables) are laid between all the blocks of college and hostels for providing 1GB seamless connectivity to Xeon based Rack Servers.

Wifi facility

The institution has been interconnected through Wired as well as Wireless (Wi-Fi) Network. The Wi-Fi system is supported with the RUCKUS technology has been functioning with 20 Mbps (1:1) one 20 Mbps dedicated line and Two 20 Mbps broadband connections provided by BSNL. The facilities being provided through these Services are access to internet, intranet, and institution based mail access.

The institute has a 24X7 Wi-Fi facility in the college campus for the student and faculty members to avail internet connection. The coverage of Wi-Fi is not restricted to classrooms but also extends to common areas like lawns, Auditorium, Library, Cafeteria, Guest House, Sports Complex and student hostels, etc.

- D-Link access points have been installed in the campus.
- No. of outdoor access points -25
- No. of indoor access points – 20

Number of nodes/ computers with internet facility: 180

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- No access control or identification is required for public data.
- The data can be accessed by the public at any point of time.
- General administrative data (proprietary data) data for general administration. Primarily internal usage, not for external distribution e.g., student names, addresses etc.
- Protected data - Data to be used only by individuals who require it for their jobs –work related data
- Anybody can have access to the institute website and utilize the data that is meant for public utility.
- Staff and students can get access to the data available that is restricted to the college properties. D Cap can be accessed externally also

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

- The computer systems are upgraded with latest OS.
- Latest configurations are made for the effective usage.
- The HOD of Computer Science along with the Principal identifies the current requirement of systems and configurations and send the requirement proposal to the purchase department for taking action.
- All procurements are made out of the needs.
- Other related accessories like LCD projectors and printers are also procured for implementing the ICT practices of teaching and learning.
- Individual up gradation of the computers is taken up as per the need.

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution? (Year wise for last four years)

Items	Amount spent in Rs.			
	2011-12	2012-13	2013-14	2014-15
Computers & Accessories	414960.00	808500.00	111000.00	1628275.00

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- NPTEL videos are accessible for all the students and staff.
- Course material developed by WINZEST and CLASSLE are accessible to all the students.
- Faculty members are advised to utilize the ICT facility as far as possible for class room teaching.
NPTEL education videos are shown to students on specific topics.
- Faculty are motivated to develop ICT modules for teaching and learning.
- Adobe software is also available for the faculty to prepare teaching material.
- Faculty also incorporate videos in their training materials.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- Internet connections are given to some of the class rooms which are utilized for ICT based teaching.
- The digital library facilitates the students to online access of the e resources.

- The students can login to the D Cap through their own login ID and verify the attendance and other related matters.
- It has been proposed for student profiles to make online for university access.
- The institution plays an important role in making students ready for the future civilization.
- The use of ICT in teaching is to improve the quality of teaching and learning process by keeping the student as the center.
- Students are motivated to access scientific learning course wares for giving seminars effectively.

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

- Yes, the college has availed of 10 Mbps under NME-ICT project.

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.

The campus has a Centralized Maintenance Department to upkeep the entire campus neat and clean. Full time salaried personnel are employed for different levels of maintenance. The facilities are maintained by duly appointed personnel with adequate funds allotted in the budget.

The various maintenance activities with adequate budgetary provisions are shown below: Maintenance	Amount allotted in Rs.			
	2011-12	2012-13	2013-14	2014-15
Building	100000		150000	200000
electrical	50000		100000	900000

Labs	988340		50000	784122
Civil	50000		1062157	110000
Transport	10000		25000	50000

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 campus has a general maintenance department with civil, electrical, carpentry and other related wings.
- One of the Office assistants is responsible for identifying the maintenance issues and brought to the general maintenance department through the Administrative officer.
- For sweeping and cleaning out sourcing is followed.
- AMC for Computers and related accessories is also done by out sourcing.

4.4.3 How and with what frequency does the institute take up calibrations and other maintenance for the equipment?

The lab equipment including computers is serviced and repaired by the equipment suppliers or under AMC.

The equipment maintenance is done regularly during vacation time.

The calibration and other precession measures are carried out internally by the lab assistant with the help of lab in charges wherever possible.

4.4.4 What are the steps taken for location, upkeep and maintenance of sensitive equipment (Voltage fluctuations, constant supply of water etc)?

- As the institution is an HT consumer of AP Transco it has a direct trading purchase APTRANSCO – APEPDC for a supply of 500 KVA, so there is a connectivity to its transformers to sustain the voltage fluctuations.
- The college owns two 375KVA standby Kirloskar Diesel Generator set for providing uninterrupted power supply.
- Further, the computer labs in the college are supported by the UPS and power stabilizers.
- All the sensitive equipment like computers/ lab equipment is supplied power through online UPS, therefore all such equipment is taken care of against voltage fluctuations etc.

CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support:

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

- Yes. The institution publishes 'Information hand book', and distributes them to the students admitted in to first year during that academic year.
- A two page information in English and Telugu is supplied to the admission seekers during the fresh admissions every year, highlighting the courses and their intakes and other benefits the students get
- The handbook contains the Vision and Mission of the institute, Vision, Mission, Programme Educational Objectives and of the department concerned, phone numbers and mail ids of the HODs, members of the anti-ragging committee and other higher officials concerned.
- The accountability is claimed due to the care taken by the college academic committee.

5.1.2 Specify the type, number and amount of institutional scholarships/freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The College has established a scholarship scheme to help/support the poor and needy students.

The details of scholarships sanctioned during the last four years are shown the table :

Year	B.Sc. Groups						B.Com	Amount in Rs.
	MPC	MPCs	MECs	MSCs	MBBTBC	BTBCC		
2011-12	--	12	--	--	--	02	--	6000
2012-13	10	2	6	2	7	5	1	64000
2013-14	15	9	20	09	11	20	19	177500
2014-15	14	10	25	10	8	17	17	205500

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

The college being situated in the state of Andhra Pradesh, students who are eligible for financial assistance from the A.P. State Government under the Fee reimbursement scheme receive the said assistance.

SC/ST/BC students are entitled for Social Welfare Scholarships, around 35% while 40% students get financial assistance from state government.

The details of Scholarships / financial assistance received by the students during the last four years are as follows:

Year	Category	B.Sc. Groups							B.Com
		MPC	MPCs	MECs	MSCs	MPE	MBBTBC	BTBCC	
2011-12	SC		4	1	3	2	4		--
	ST	--	--	--	--	--	--	--	--
	BC	52	37	28	26	16	8	8	--
	EBC	54	34	50	35	8	3	8	--
2012-13	SC	4	2	5	9	--	1	--	--
	ST	--	--	1	1	--	--	--	--
	BC	59	50	38	37	--	19	7	10
	EBC	59	45	64	45	--	4	12	9
2013-14	SC	3	5	2	4	--	2	2	1
	ST	--	--	1	1	--	2	--	1
	BC	51	48	61	38		22	19	30
	EBC	49	49	62	66		11	22	35
2014-15	SC	1	5	3	5		4	4	3
	ST			1	1		2	1	
	BC	44	43	94	43		27	24	44
	EBC	52	52	94	42		18	23	40

5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections

- The students belonging to SC/ST,OBC and economically weaker sections receive financial assistance from the state government as per the norms laid down by it.

- SC/ST/OBC categories are given social welfare scholarships from the state government towards Tuition fee and hostel expenses.
- In the cases of the students who are still in need of financial assistance, the institution considers their cases with a generous view and provides assistance.
- Economically weaker section students are getting tuition fee reimbursement from the

Students with physical disabilities

- The students with physical disabilities are given required support in terms of providing wheel chairs, scribes for visually disabled students.
- Lab assistants help those students in conducting practical sessions.

Overseas students

There are no overseas students in the institution.

Students to participate in various competitions/National and International

- Registration fee and one way train/bus fare is provided to the students.
- Faculty members assist the students while preparing for competitions.
- Participants are associated by faculty for all kind of support.

Medical assistance to students: health centre, health insurance etc.

- There is a resident doctor in the campus to look after the health related issues of the students in the campus.
- There is a first aid clinic in the campus and the students can consult the doctor for smaller ailments.
- For specialty medical services, and emergency situations, the college provides transport facility to the students to the nearby town Bhimavaram which is well equipped in terms of medical facilities.
- In the case of emergency college transport is arranged to speciality health services.
- Each student is covered under mediclaim insurance and for that purpose an amount of Rs.422/- per student is being paid.

Organizing coaching classes for competitive exams

- The institution is arranging coaching internally through Integrated Training Program (ITP) for campus recruitment and competitive exams.

- Outside agencies like KEN academy and VINEX academy offer training classes for Civil Services and Group services.
- English speaking classes are being conducted where role play, elocution are practiced.
- English club conducts competitions on Debate, Elocution, Seminar, contextual conversation etc, once in a month.
- Every student is trained on computer skills irrespective of the curriculum.

Skill development(spoken English, computer literacy, etc.,)

- The campus Colleges have well equipped language laboratories which are of help to the students in improving their communication skills.
- Courses on foreign languages like German and French to support students aspiring for going to foreign countries to work are available in the campus.
- The Govt. of AP started a Skill Development Center in the campus for the student community of the campus.

Support for “slow learners”

- Remedial classes are conducted for those students who are not able to follow the class room instruction in the same pace as others.
- These students are identified based on their performance in exams conducted during the semester.
- Separate schedule is prepared for these classes after the class room instruction time.

Exposures of students to other institutions of higher learning/ corporate/ business house etc.

- M.Sc. Organic Chemistry students were taken to M/S Anjani Portland Cement Ltd, Nalgonda District.
- B.Sc and B.Com students are sent to Delta Paper Mills, Vendra
- M.Sc. students are taken to M/S Wanberry Chemicals, Tanuku
- B.Com students have taken to Vennar Ceramics , Kaikalur, for learning Business Organization.
- Life Science students are taken to CTRI, Rajahmundry for learning on Tobacco research.
- Life Science students visited Horlicks Factory to learn about milk processing.

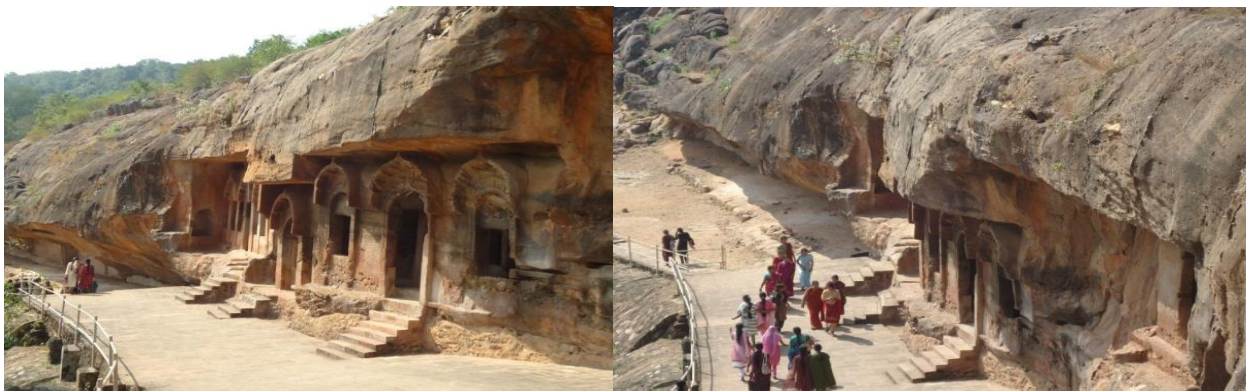
- Life Science students visited Vishnu Dental College, Bhimavaram to get hands on experience and awareness on Anatomy, Microbiology and Biochemistry.
- All Second year students taken to Polavaram Project on Environmental Studies tour.
- All second year students to Guntupalli Caves, a Buddhist pilgrim place on Environmental Studies tour.

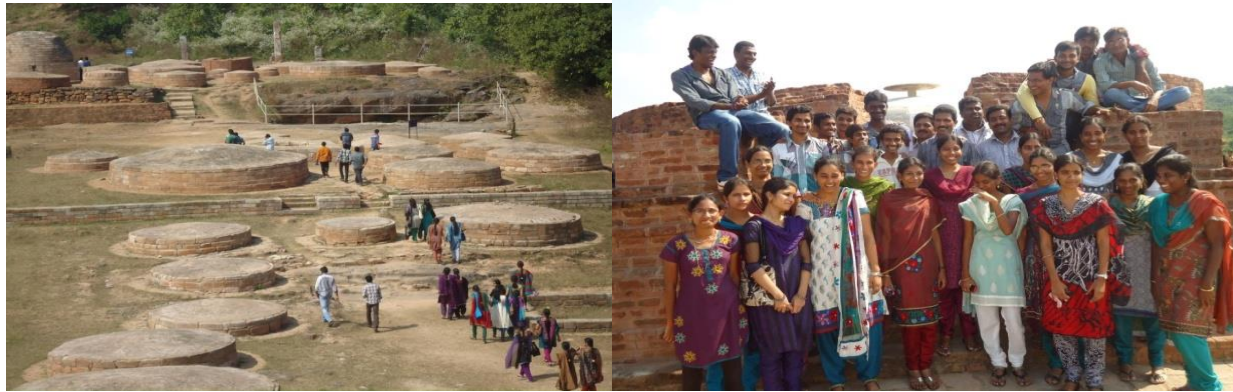


Plavaram Tour



Visit to Krishna Milk Factory

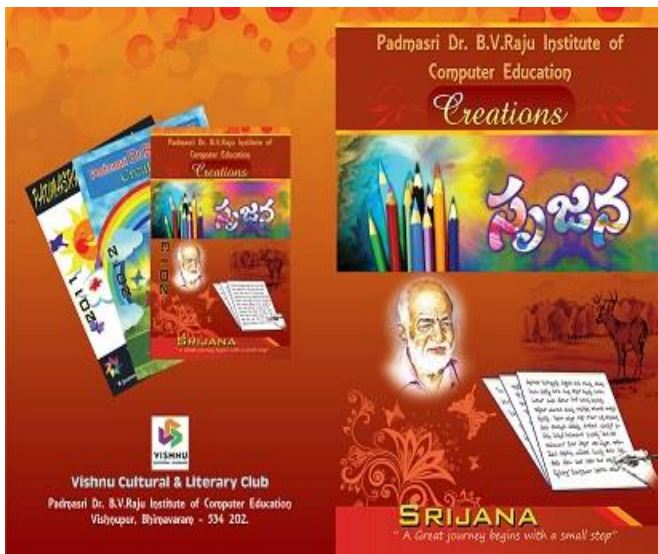




Visit to Guntupalli Caves and Buddha Stupas

Publication of student magazines:

- There is a Hand written student magazine named SRIJANA being released every year.
- College students and staff contribute articles to the Organization's Magazine "Vishnu Era".



5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Seminars by industrial experts are arranged for the students on entrepreneur skills.

The following experts were invited to the campus for enlightening the students:

- Dr. D. Suryanarayana, Director, VITB

- Sri S. Lakshminarayana, Lead District Manager, Andhra Bank, Eluru
- Sri K.B.B.Satyanarayana, Branch Manager, APSFC, Eluru,
- Sri. R. Venkata Rao, Dy. Dir. DIC, Eluru
- Dr.V.Srinivasa Rao, State Coordinator, JKC
- Dr.J.Chandra Prasad, UGC Professor
- Sri V.V. Lakshminarayana, Joint Director, CBI
- Sri TVenkata Rao, Sr. Manager,Wanbury Chemicals Ltd., Tanuku

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- Additional academic support, flexibility in examinations
- Special dietary requirements, sports uniform and materials
-any other
- The college has separate fund earmarked for such competitions outside the college.
- The expenses for deputing the students to various competitions are met from this fund.
- Students are given attendance when they attend such competitions.
- Staff member is associated with the students for attending competitions outside college.
- The college Physical Director will associate with the students to participate in sports and games, outside the campus.
- Prizes are given to those won the in house competitions of Quizz, Elocution and debate etc.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET,UGC-NET,SLET,GATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services,etc.

- The college is providing support to the students for placements and higher education in the form of ITP.
- Coaching for University PG CETs are given by the faculty, Ex. AUCET, ANUCET and ANURCET etc.

- Coaching for APPSC Group services is also given to final year degree students.

Year	Number of students selected		
	UGC/CSIR	NE T	CETs
2012-13	2	1	12
2013-14	1	1	28
2014-15	--	--	43

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

- The college has established a student counseling system that a mentor is attached to a section of students who monitors the academic progress and attendance periodically and inform the same to their parents.
- The career guidance cell conducts sessions with experts from other organizations and industries to guide the students towards career selection and options.
- Some of the experts conducted sessions are as follows:
 Prof.KVSG Murali Krishna, JNTUK, Kakinada
 Dr.STPT Srinivas, TCS, Hyderabad
 Dr.D.Suryanarayana, Director, VIT,Bhimavaram
 Prof. K V Subba Raju, Freelance Counselor,Bhimavaram
 Sri V.V. Lakshminarayana, Joint Director, CBI, Hyderabad
 Dr. Garikapati Narasimha Rao, Eminent Scholar, Maha Sahasravadhani, Hyderabad
 Dr.Geetha Challa, Manovikas Kendra, Hyderabad





5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes.

- There is a separate wing for Training and placements and career guidance headed by a Director, Senior Manager, Placement Officers and liaison officers;
- Mr. Satishchandra Paruchuri - Director, Industry Relations
- Mr. Ravikiran Sali - Manager, Industry Relations.
- Mr. Ahmed - Asst. Manager (Placements)
- Mr. Atul Kirdant - Industry Liaison Officer, Pune
- Mr. Arokiadoss - Industry Liaison Officer, Tamilnadu Region
- Mr. Sitaram, Liaison Officer, Bangaluru
- Mr. KSN Raju, Placement Officer of the Institution

The above team deliberates with the industries and organizations and invite experts for guest lectures on career guidance and also conducting placement drives.

The list of companies recruiting our students is given below:

Year	List of recruiting companies
2011-12	MahindraSatyam, Wipro, NetEnrich, Everest Organics
2012-13	Tech Mahindra, Wipro, Infosys, Infotech, NetEnrich, Explore technologies, Medememe, Divis Labs, Vasudha Foundation, Group II, Police Services

2013-14	Tech Mahindra, Wipro, Virtusa, Infosys, TCS, Divis Labs, Appolo Health Care, Medemem
2014-15	TechMahindra, Wipro, Hospira Health Care, Infosys, Genpact, CSC, TCS, Berger Paints, Emphasis, ICICI, ITC, Eureka Forbes, Aurobindo, Hetero, Dr.Reddy's, GVK Bio, Vimta Labs

Placements during the last four years

No.of Placements			
2011-12	2012-13	2013-14	2014-15
97& 12 PG	57& 9(PG)	25& 8(PG)	90(UG) &27(PG)



5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes.

The institution has student grievance redressal cell headed by one of the senior faculty members as the coordinator and two faculty members as members of the committee. The structure of the committee is,

Sri Ch S V Satyanarayana, Academic In Charge -- Coordinator

Sri K. Narayana Raju, HOD, Mathematics & Humanities -- Member

Ms. BNVK Valli, Senior Lecturer

-- Member

There are no remarkable grievances reported in the last 4 years.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The college and the management take every care about the well-being of the students and if any such complaint is received, the problem is resolved as early as possible to instill confidence in students.

- The college women cell constantly monitors the girl students as long as they are in the campus.
- Complete vigilance is on action in the college and in the campus against eve teasing or sexual harassment.
- The movements of the students in the campus is monitored through cameras and if any incident is happened the concerned students are warned and if case is serious then it is informed to parents.
- However, no such incidents were happened so far.

5.1.12 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?

The college has established an anti ragging committee headed by Academic In Charge with senior faculty as members. The composition of the committee is shown below:

S.No.	Name of the faculty	Designation
1	Ch S V Satyanarayana	Coordinator
2	K Narayana Raju	Member
3	KEswara Prasad	Member
4	MAEVV Rambabu	Member
5	JLSS Phanikumar	Member
6	D. Satyanarayana	Member
7	Y. Kiran Kumar	Member
8	P.Madhura Subhashini	Member
9	M.Ankamma Rao	Member

All the committee members are vigilant during the college hours including break times. Suspecting students are warned against anticipated ragging incidents.

However, there are no ragging incidents are reported so far.



Anti Ragging Awareness Programme with Miss Bala Devi, DSP, Narsapur



Sri R.G. Jayasurya, CI of Police, addressing the students on Ragging

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The institution has started several welfare schemes keep in view of the well-being of the students during their stay in the campus. These include

- Facilitation by the institute for ‘Health Insurance’ to the students.
- Fee concession/Fee waiver to the students who are in need.
- There is a student insurance scheme existing in the college such that any unforeseen incidents happen the insurance coverage will save the students.
- Medical facility is available in the campus and doctors take care of emergency cases.
- The Institution provides merit cum Means scholarships to poor and deserved students.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional ,academic and infrastructure development?

Yes,

- The college has a registered Alumni Association with Principal as the Chairman and Placement Officer as convener.
- The students in the Alumni often visit the college and motivate the current students by sharing their experiences.
- Alumni arranges guest lectures by their senior officials for the benefit of the current students.
- One laptop is presented to the computer science department for helping poor students during their studies. It is a recurring service.

5.2 Student Progression

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

Year	Student Progression	
	Placements	Higher Education
2011-12	97	23
2012-13	57	43
2013-14	25	57
2014-15	91	64

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)?Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Pass percentage Group wise:

Course/Group	2011-12	2012-13	2013-14	2014-15
	Pass Percentage			
B.Sc/MPC	66.6	63.3	74.4	61
MPCs	75	72	73.9	52.5
MECs	65.3	93	67.5	62.5
MSCs	68.2	71.7	65.5	53.7
MB BT BC	90.4	92.8	87.5	92
BT BC C	62.5	100	66.6	100
B.Com(Voc)	--	--	--	82
M.Sc.	95	97	98	96

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- The institution conducts ITP classes for campus recruitment drives from 2nd year degree.
- The institution is giving coaching to Common Entrance Tests for admission into PG programs of different universities.
- For competitive exams and placement drives a library with concerned books is available in the Training & Placement Cell of the institution.

5.2.4 Enumerate the special support provided to students who are at risk of failure and dropout?

- The students who are poor at studies are counseled by the class mentors and motivated them for yearend exams.
- Remedial classes are conducted to those students separately.
- Parents of such students are informed personally about their wards performance and advised to monitor their activities at home.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

It is a known fact that physical activity improves overall health. Not only does it improve circulation, increase blood flow to the brain, and raise endorphin levels, which all help to reduce stress, improve mood and attitude, physically active students may also achieve more academically.

- The institution is providing all necessary facilities for sports and games. A well qualified Physical Director, Mr.G.V. Pavan Kumar Raju, Volleyball Nationalist, is looking after the sports and games of the institution.
- The college provides facilities for several games and sports like TT, Hockey, Cricket, Handball, Softball, Football, Shuttle Badminton, Tennis, Tenni-coit, Kho-Kho, Kabaddi, Athletics (track and field).
- Institution conducts University selection trails for Volleyball, Cricket and field & track events.
- As a practice, we conduct separate selection trials for students to test their level and to train them. Students with adequate talent are encouraged to participate in Inter Collegiate tournaments.

Year	Event	No. of Students participated	Nature of competition
2011-12	Chess - Girls	02	AU Inter Collegiate cum Selection Trails
	Volley ball(Men)	09	AU Volley Ball selection trails
	Volley ball(Men)	09	AU D Zone inter collegiate games meet
	Cricket (Men)	16	AU D Zone inter collegiate games meet
	Chess (Men)	04	D Zone inter collegiate games meet
2012 - 13	Volley Ball	07	ANUR inter Collegiate selection trails
	Cricket	03	ANUR inter Collegiate selection trails
	Volley Ball	09	AU D Zone inter collegiate games meet
	Cricket	16	AU D Zone inter collegiate games meet
	Chess(Men)	04	AU D Zone inter collegiate games meet
	Volley Ball	10	SVES 2013 Inter collegiate Games & Sports meet
	Cricket	16	SVES 2013 Inter collegiate Games & Sports meet
	Chess(Men)	04	SVES 2013 Inter collegiate Games & Sports meet
	Chess(women)	04	SVES 2013 Inter collegiate Games & Sports meet
	Kho Kho (Men)	12	SVES 2013 Inter collegiate Games & Sports meet
	Kho Kho (Women)	12	SVES 2013 Inter collegiate Games & Sports meet
	T.T.(Men)	04	SVES 2013 Inter collegiate Games & Sports meet
	T.T.(Women)	04)	SVES 2013 Inter collegiate Games & Sports meet
	Badminton(Men)	04	SVES 2013 Inter collegiate Games & Sports meet
	Badminton(Women)	04	SVES 2013 Inter collegiate Games & Sports meet
	Athletics(Men)	06	SVES 2013 Inter collegiate Games & Sports meet

	Athletics(Women)	06	SVES 2013 Inter collegiate Games & Sports meet
	Volley Ball(Men)	01	South Zone Inter Collegiate tournament
2013-14	Volley ball(men)	04	ANUR inter collegiate cum team selection trails
	Cricket(Men)	07	ANUR team selection trails
	Volley Ball	01	Inter University South zone Volley ball tournament
	Volley Ball	10	2014 Inter collegiate Games & Sports meet
	Cricket	16	2014 Inter collegiate Games & Sports meet
	Chess(Men)	04	SVES 2014 Inter collegiate Games & Sports meet
	Chess(women)	04	SVES 2014 Inter collegiate Games & Sports meet
	Kho Kho(men)	12	SVES 2014 Inter collegiate Games & Sports meet
	Kho Kho(women)	12	SVES 2014 Inter collegiate Games & Sports meet
	TT (men)	04	SVES 2014 Inter collegiate Games & Sports meet
	TT(Women)	04	SVES 2014 Inter collegiate Games & Sports meet
	Badminton(men)	04	SVES 2014 Inter collegiate Games & Sports meet
	Badminton(women)	04	SVES 2014 Inter collegiate Games & Sports meet
	Athletics(women)	05	SVES 2014 Inter collegiate Games & Sports meet
	Athletics(men)	06	SVES 2014 Inter collegiate Games & Sports meet
2014-15	Volley Ball	12	ANUR inter collegiate cum team selection trails
	Volley Ball	02	Inter University South zone Volley ball tournament
	Volley Ball	01	South zone volley ball championship
	Badminton(men)	05	ANUR inter collegiate selection trails



b) **Literary and Cultural activities:**

The college has cultural club namely Vishnu Cultural & Literary Club (VCLC) which looks after the cultural and literary activities.

Mr.B. Meshak Raju , Lecturer in English is the staff coordinator of the club.

The VCLC conducts regular literary events like Essay Writing, Drawing, and Story Telling competitions which improve the writing and speaking skills of the students.



ఉర్రూతలూగించిన యువజనశత్రువ సంబరాలు

● ఘనంగా జోనల్ స్థాయి పోటీలు
● జీవీరాజు విద్యార్థులకు టివీరాలే ఛాంపియన్స్ కిట్

జ్ఞానకల దాస్య చోప్పు అలవ్వు

జీవీరాల విద్యార్థులకు, స్టూడెంట్స్ అసెంబ్లీ ఆధ్వర్యం వహించిన పాఠశాల... ఒక విద్యార్థిని జ్ఞానకల దాస్య చేస్తే, మరో విద్యార్థి తనను తాను గాథలలో యువ తన కథలు చెబుతారు. ఎన్.ఎస్.ఎస్ జోనల్ స్థాయి యువజన శత్రువల వీరులలోని ట్రోఫీని, జ్ఞానకల కళాశాలలో సోనూరం మనగా సుస్మరణించారు. శాస్త్రజ్ఞులతో లభించిన ట్రోఫీ విద్యార్థులకు అందేక జోషిలాలతో పాటు ప్రసాదించారు. విద్యార్థులే స్వయంగానే పాటించిన యువజన శత్రువల ట్రోఫీని అందుకున్నారు. గౌరవించిన విద్యార్థులకు ప్రకాశంపట్టణం అందజేశారు. ఈ పోటీల్లో ప్రథమస్థానంలో నిలిచినవారి జిల్లాస్థాయిలో జరిగిన యువజన శత్రువ పోటీలకు అర్హత పొందారు. జీ.వి.కాలరావు కళాశాల ఎన్.ఎస్.ఎస్ అధికారులు ఏ.కె.వి. జీ.వి.కాలరావు కలిపారు. ఈ

పోటీల్లో వీరులలోని వీరాలూ డిగ్రీ కళాశాల విద్యార్థులు అత్యధిక అంకాలను సాధించి టివీరాలే ఛాంపియన్స్ కిట్ను అందుకున్నారు. ట్రోఫీలో ఎం.జి.గుర్రతి, రేలూరి, కొండ వంటి కళాశాలలు ప్రగ్గి పలే త్రివిధ ఎన్.ఎస్.ఎస్ అధికారుల చెజ్జలోయ సుబ్బారావు, ఎన్. రమణమర్తి, ఎం. రాంబాబు, అధ్యక్షులు దాస్యించారు, జి.కె. పాల్గొన్నారు.

గౌరవించిన విద్యార్థులు: * రంగోలిలో... జి. రాజు, పి. ఎస్. పి. సోనూర్ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం), రమణమర్తి (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **రూపొందించిన వీరాలూ డిగ్రీ కళాశాల, వీరులవరం** * **సోనోసాంగ్లో** పి. సోనూర్ (వీరులవరం కళాశాల, వీరులవరం), సోనూర్ (వీరులవరం) * **లఘునాటిలో** వీరాలూ డిగ్రీ కళాశాల, వీరులవరం * **జ్ఞానకల దాస్యలో** అలవ్వు (వీరులవరం కళాశాల, వీరులవరం), పాశుల (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **పాశుల రంగోలిలో** ఎన్. ఎస్. కృష్ణ (వీరులవరం కళాశాల, వీరులవరం), ఎం. శివ అనిశ (వీరులవరం కళాశాల, వీరులవరం) * **జ్ఞానకలలో** జి. అయ్యల (వీరులవరం (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం), జి. మహాశ్వేతి (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **విద్యార్థులలో** పి. సోనూర్ (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **జ్ఞానకలలో** కలకత్తీ, కే.వి. సుబ్బరాయ, క్రమశాఖ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **కృష్ణలో** పాశులవరం, అశిమ్, త్రికర్ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **పాశులలో** పై రోజూ, ఎల్. రాజ్ (వీరులవరం కళాశాల, వీరులవరం) ప్రకాశంపట్టణం అందుకున్నారు.

గీతాలాపన చోప్పు విద్యార్థులు

ప్రకాశంపట్టణం అందుకున్న విద్యార్థులతో నిర్వాహకులు

ప్రథమస్థానంలో నిలిచిన రంగోలి

ఉర్రూతలూగించిన ఉత్సాహం... ఘనంగా ప్రెజెంట్ చేసుకోవడం

కుషారెత్తించిన ఆటూ.. పాటూ

విద్యార్థుల స్పృహ తోగీతాల అలవ్వు

జీవీరాల విద్యార్థులకు, స్టూడెంట్స్ అసెంబ్లీ ఆధ్వర్యం వహించిన పాఠశాల... ఘనంగా ప్రెజెంట్ చేసుకోవడం. ఈ సందర్భంగా విద్యార్థులకు టివీరాలే ఛాంపియన్స్ కిట్ను అందుకున్నారు. ట్రోఫీలో ఎం.జి.గుర్రతి, రేలూరి, కొండ వంటి కళాశాలలు ప్రగ్గి పలే త్రివిధ ఎన్.ఎస్.ఎస్ అధికారుల చెజ్జలోయ సుబ్బారావు, ఎన్. రమణమర్తి, ఎం. రాంబాబు, అధ్యక్షులు దాస్యించారు, జి.కె. పాల్గొన్నారు.

గౌరవించిన విద్యార్థులు: * రంగోలిలో... జి. రాజు, పి. ఎస్. పి. సోనూర్ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం), రమణమర్తి (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **రూపొందించిన వీరాలూ డిగ్రీ కళాశాల, వీరులవరం** * **సోనోసాంగ్లో** పి. సోనూర్ (వీరులవరం కళాశాల, వీరులవరం), సోనూర్ (వీరులవరం) * **లఘునాటిలో** వీరాలూ డిగ్రీ కళాశాల, వీరులవరం * **జ్ఞానకల దాస్యలో** అలవ్వు (వీరులవరం కళాశాల, వీరులవరం), పాశుల (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **పాశుల రంగోలిలో** ఎన్. ఎస్. కృష్ణ (వీరులవరం కళాశాల, వీరులవరం), ఎం. శివ అనిశ (వీరులవరం కళాశాల, వీరులవరం) * **జ్ఞానకలలో** జి. అయ్యల (వీరులవరం (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం), జి. మహాశ్వేతి (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **విద్యార్థులలో** పి. సోనూర్ (ట్రోఫీని అందుకున్న కళాశాల, వీరులవరం) * **జ్ఞానకలలో** కలకత్తీ, కే.వి. సుబ్బరాయ, క్రమశాఖ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **కృష్ణలో** పాశులవరం, అశిమ్, త్రికర్ (వీరాలూ డిగ్రీ కళాశాల, వీరులవరం) * **పాశులలో** పై రోజూ, ఎల్. రాజ్ (వీరులవరం కళాశాల, వీరులవరం) ప్రకాశంపట్టణం అందుకున్నారు.

విద్యార్థుల స్పృహ తోగీతాల అలవ్వు

ప్రెజెంట్ చేసుకోవడం

ఉత్సాహం దాస్య చోప్పు విద్యార్థులు



5.3.2 Furnish the details of major student achievements in co-curricular extracurricular and cultural activities at different levels: University/ State/ Zonal/ National/ International, etc. for the previous four years.

The major achievements of the students in cultural competitions are listed below:

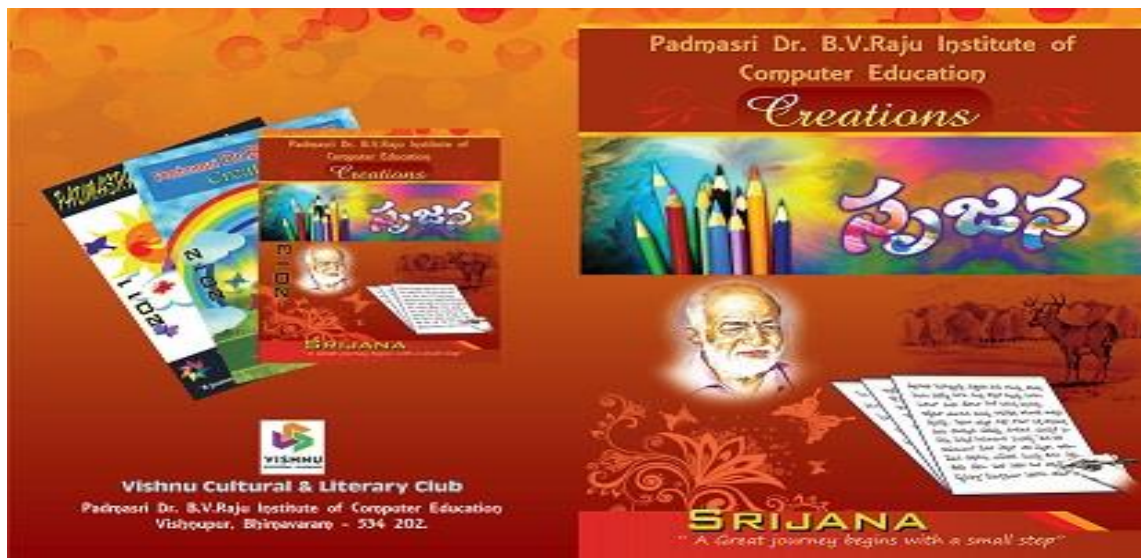
Year	Event	No of Participants	Prizes won
2011-12	Srujanotsav, Vijayawada	10	Classical dance 2nd
			Folk Solo Singing 2nd
			Group Song 1st
			Elocution 1st
			Group dance 2nd
	ONGC (PCRA) National level Essay writing competition	21	1 ST
2012-13	Constituency level Setwel competitions	20	Karate 1st
			Solo Vocal 1st
			Solo Instrumental 1st
			Folk Solo singing 1 st
			Solo singing 1st
2013-14	National level competitions at YN College, Narsapur	04	Essay writing 1 st
			Patriotic song 2nd
	Zonal level competitions, VS Lakshmi College	06	Quiz 2 nd
			JAM 2nd
2014-15	District level Youth Fest, Govt of AP	15	Solo singing 2 nd
			Group dance 2nd

5.3.3 How does the college seek and used the feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- The feedback taken from outgoing students and employers is taken for improving the performance of faculty and quality of education.
- Usually feedback is taken at the end of the academic year from the students, on the teaching and other facilities of the institution.
- Alumni feedback is taken on the lapses in the academic system.
- Employers who employed our students are asked for their feedback and request them to visit the institute again for recruitment.
- Most of the times we receive one remark from the employers that our students need to improve English communication skills.
- Based on the employers' feedback emphasis is given on communication skills.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/materials brought out by the students during the previous four academic sessions.

- The college publishes a hand written magazine, SRIJANA, in which students and staff contribute their views and articles in English and Telugu.



- Life Science students are bringing a news letter.
- Vishnu Era is the quarterly magazine being brought out by the management which publishes the articles and views of staff and students of all its institutions.
- Campus Browser is the newsletter being brought out the news of the institutions in the campus.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding

- College student council is constituted with the students of the college ,with Academic In charge as Adviser.
- This council is re- constituted in the beginning of every academic year.
- Student council meetings are arranged twice in a year and discusses on its function and other student issues.
- Students fee is the seed amount from which the council gets financial aspect.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The institute constituted several committees with student participation which are:

Class monitoring committee -- Student class representatives

Anti Ragging committee -- senior students with good academics

Literary & Cultural committee -- students with literary and cultural flavor and interest

Career development committee -- class toppers

Hostel committee hostel representatives

Clean & Green Committee -- NSS volunteers

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Network with Alumni and former faculty:

The alumni members are contacted by the staff coordinator for periodical get-togethers.

- Alumni facebook group is created for contacting the old students of the institution and the well wisher of the institution.
- Alumni members are contacted for extending the invitation to their higher officials to visit the campus and deliver guest lecture on career opportunities.
- Similarly, the former faculty members are also contacted by the concerned HODs and request to deliver guest lectures on respective subjects to the students.

CRITERION – VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the College

VISION: To impart quality education to learn and earn in sustained impulse.

MISSION:

- To make students learning by doing and attain inquisitiveness through questioning.
- To inculcate academic excellence through innovative practices, self confidence and discipline through extracurricular activities.
- To create self employment.
- To provide more hands on experience to students.
- To motivate students and staff towards R&D

Quality Policy: Our chief motive is to attain self reliance through employability with sustained academic excellence.

- The vision and mission statements are in fact part of the NEP 1986. A knowledgeable society raises the nation to next level. The methods being adopted by the institution ensure the expected growth.
- Just knowledge is not enough to grow high, ethics and values add flavor to the ignited brains.
Society needs thoughtful citizens to grow and sees the educated youth, by and large, to be placed in respectable places in the society.
- Educated youth with quality and values will definitely take active part in ISR activities.
The mechanism of the institution like conducting programmes on human values, personality development, and Communication skills for the benefit of students' all round development is a boon to the society.

- To imbibe academic excellence, various curricular and co curricular programmes are designed and implemented.
- Career guidance and counseling sessions are arranged to the students to become smart professionals.

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.?

- The mission statement of the college identifies the distinctive characteristics that reflect all the future activities it takes up.
- The college created its statements of purpose which is comprehensive as well as authentic. The Mission statements remain as the essence of the educational philosophy nurtured by the college in addition to presenting its commitment to being pragmatic as far as its academic goals are concerned which are enshrined in its Vision.
- The mission statement puts forward significant characteristics, nurture the students to be next generation leaders as also team players consistent with the dynamic requirements of the Corporate World.
- The mission statements further expands the scope for learning, research and development, obtaining comprehensive solutions which can be of immediate utility in effectively dealing with problems, the society is facing and expected to improve the quality of living in future.
- The mission statement also guides the policy matters and the course designers to realize needs of the future society duly assessing the emerging needs of the society, academia and the industry from time to time.

6.1.3 How is the leadership involved in Ensuring the organization's management system development, implementation and continuous improvement.

- The management ensured decentralization by appointing Student Coordinators to help the Head of the institution in day-to-day activities at the top of a multi-tier system of administration with HODs, lab in-charges etc., down the ladder on the academic front.

- The management and the Principal interact with the parents by conducting annual meets. The administration on its part is accessible to them at different levels for any help or guidance to benefit the students.
- The student interactions are regular for curriculum development, improvement in learning skills and counseling on career and growth as well as matters of personal interests/ concerns.
- The societal interactions helps in designing, training, assessing the moral and ethical standards the college wishes to be maintained during and after studies in their interactions with society in general and industry in particular.
- Inviting experts from higher institution and industry to up-date the knowledge levels and enforce research culture.
- Students are encouraged, advised/guided to participate in competitive paper presentation, model making, projects etc., on the academic front as well as cultural, sports and games meets to bring out their talents and excel in their fields of interest.

Interaction with stakeholders

- Feedback from the stake holders at various levels is analyzed and important inputs are taken into consideration in the decision making.
- Involving the alumni, industry and faculty in curriculum design through BOS and Academic Council.
- All the issues related to faculty and students are discussed in the meetings of the CAC, same is recorded in minutes circulated to all the departments

The decisions taken and the issues discussed in meetings of the HODs are informed to the faculty in the department level meetings. Suggestions are invited from the alumni through an exclusive web portal apart from interactive sessions during alumni meets.

Enhanced interaction is facilitated through MoUs with industry in collaborative activities like FDP training, skill development for students and internships. Parents' feedback helps in the betterment of student amenities, Socio-cultural environment for maintaining a healthy academic atmosphere.

Reinforcing culture of excellence

- The senior leadership Team(SLT) reinforces the culture of excellence by, Inviting experts from different fields to support in academics and research.
- Encouraging faculty to up-date and publish in peer-reviewed journals by extending necessary support and incentives.
- Training the faculty and staff to meet the demands of modernization.
- Leadership training by inviting experts from industry and other agencies as well as deputing to reputed institutions in imparting similar skills.
- Fostering best practices in all spheres of activity.

Identifying needs and championing organizational development (OD)?

The administrative structure within the institution and guiding the institution involves all the stakeholders in preparing the action plans and goals for the short term as well as long term development of the institution. The future needs are identified through brainstorming sessions held at various levels.

The governing body on the advice of the Head of the institution takes care of developments required time to time in the organization.

At college level, weighing the entire pros and cons, the new proposals from all the departments are discussed and finalized. These are presented to the Boards of studies and Academic Council and finally to the Governing Body for the final approval and implementation.

The principal on his turn examines the proposals submitted by the departments in consultation with the finance committee draws out the budget annually before submitting to the governing body for approval.

At department level, the requirement of establishment of new labs and introduction of new programmes are discussed and suggested to the administration.

The HOD at his level, reviews with the faculty on the previous performance of the department and proposes the infrastructural and faculty needs to the principal for the coming academic and financial years.

Regular audits are conducted to identify the needs of the organizational development.

Yearly Alumni meets are organized to identify not only the latest trends and technological advancements in the industry but also the opportunities available in the market.

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 Principal of the institution set himself an example for the staff of the institution in running the institution.
- He takes every care while framing the rules and implements the rules with human touch.
- By decentralizing the powers, getting things done is made easy.
- The Principal is easily accessible to students as well as staff.
- Second level leadership is encouraged at all stages so that decision making becomes an easy practice.
- Management encourages even student leadership for conducting college functions and competitions on their own.
- Suggestions are invited from staff and students for new practices.

6.1.7 Give details of the academic and administrative leadership provided by the University to the College?

- Under the guidance of the university, college management nominates members as well as its representatives on to the different statutory bodies, viz., Governing Body to support and guide the administrative and academic mechanisms as and when scheduled. It confers permanent affiliation and makes due recommendations to governmental agencies like state council for higher education and UGC.

6.1.8 How does the College groom the leadership at various levels?

- Administrative and academic responsibility with accountability is distributed at various levels of decentralized organizational set up. Relevant decision making and financial powers are vested with the concerned administrators at different levels to avoid delay and simplify the management of localized issues within their domain.
- The institution delegates functional autonomy to all departments so that each department can work its own system of internal governance.
- HOD of each department monitors the strategic plans within the department which in turn helps the Principal in governing the whole institution.
- Empowering the faculty member in-charge of a lab is to set and prepare the experiments with the help of Lab Assistant for effective functioning of the lab.
- Leadership training is being imparted to those identified as future leaders for carrying over the vision and mission.
- Also, some of the identified senior faculty members are sent in turns for managerial / leadership training to premier institutions.

6.1.9 Has the College evolved any strategy for knowledge management? If yes, give details.

Yes.

The College has a good number of online journals and made them available to faculty and students through the Internet.

Some journals in print versions are made available in the reference section of the library and back volumes are issued to faculty.

A digital library caters to the needs of the students.

Faculties are encouraged to participate in workshops/seminars/conferences at national and international levels to up-grade their knowledge with current topics of interest to industry and research.

Distinguished senior academicians from within and outside the country and industry experts are invited to associate with or work in the college to provide academic leadership in research.

6.1.10 How are the following values reflected in various functions of the College?

Contributing to national development

- By training quality science and commerce graduates and post graduates through concurrent curriculum who can take any responsibility and discharge with ethical values.
- By encouraging research and innovation leading to practical solutions to societal and strategic needs of the country.

Fostering global competencies among students

- By inviting experts from industry and academia with international exposure to deliver technical talks, conduct training programmes, workshops as well as teach for short periods and continued involvement in their research.
- By offering foreign languages to students at affordable cost they are made competent globally.

Inculcating a value system among students

- By arranging motivational talks by leading personalities from different walks of life who contributed significantly to the society in promoting standards of life through their services.
- By supporting the formation of voluntary clubs to help the differently-abled and socially oppressed.

Promoting use of technology

- The management has taken a lead in promoting the use of technology from the campus itself.

- A unique feature of the campus is the Community Radio Station, namely, **Radio Vishnu 90.4**, first of its kind in the state of Andhra Pradesh for an educational campus to have its own community radio.
- The campus radio helps the Society in creating certain awareness programs for the benefit of local and surrounding public.
- The **Vishnu TV Academy** offers certificate courses on Media acting and Audio-visual communication skills for which the course completion certificates are given by Andhra University, Visakhapatnam.
- Another feather in the cap is the Assistive Technologies Lab, where assistive aids for physically or mentally disabled people are designed and manufactured. Students of BVRICE also took part in it.
- The AT lab is developed with the technical support of UMass, Lowell, U.S.A, with a motive to remove DIS from their disabilities.
- The college is presently having a 50 kWp solar power unit contributing the idle capacity to the regional grid.
- The campus is Wi-Fi enabled.

Quest for excellence

The institution has applied for center of excellence to DSIR and Commissionerate of Collegiate Education, Govt of Andhra Pradesh.

Winner of the IMC Ramkrishna Bajaj National Quality (RBNQ) Trophy 2011 – Highest Quality Award in Education Sector.

Winner of Global Performance Excellence Award as BEST IN CLASS Educational Organization by Asia Pacific Quality Organization (APQO).

Winner of National Award for Educational Excellence 2014

Students are encouraged to participate in co-curricular and extracurricular competitions as well as service oriented activities where in several prizes are obtained keeping the flag of the college high at the University and institutes of higher learning.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, developed and reviewed?

- Yes, the institution has a quality policy framed for its own functioning.

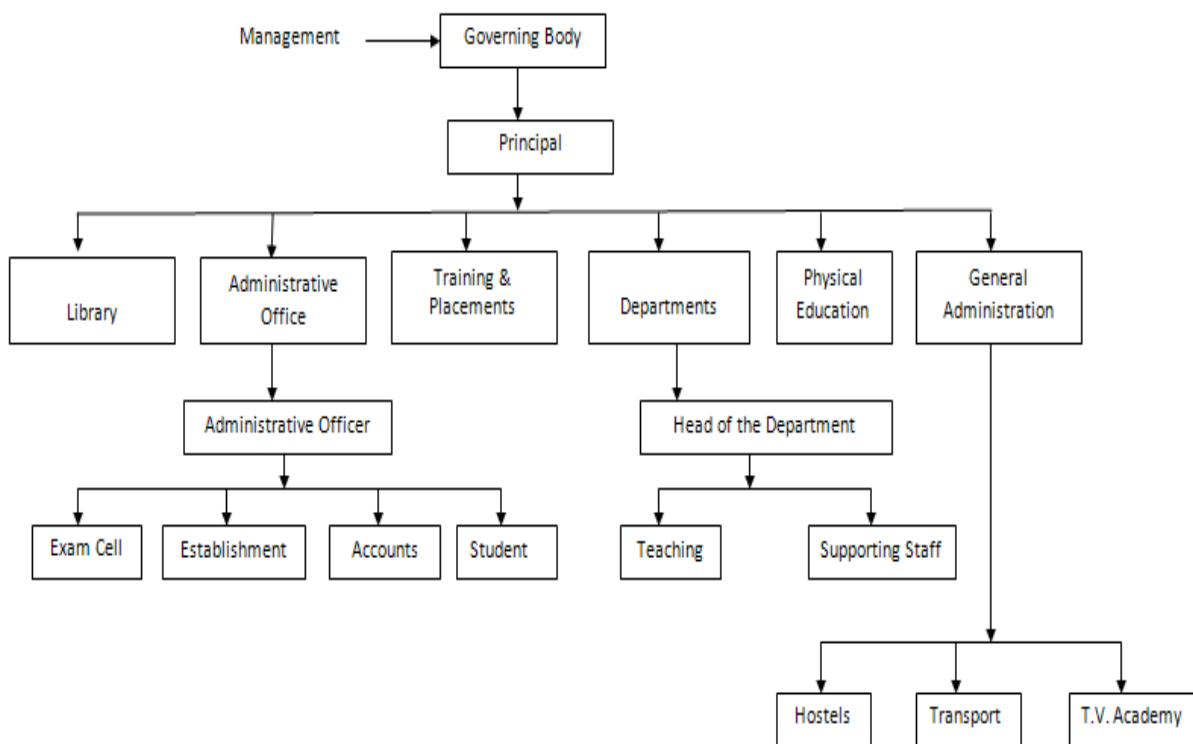
- Our chief motive is to attain self reliance through employability with sustained academic excellence is the institutional quality policy.
- The human resources are the prime factor amongst the other resources in the present scenario of globalization and liberalization of the world.
- To become a world class institution one has to bestow the end-user with the best possible service.
- Quality education is much more valid in the globalization context.
- Saleability of the end product, that is the trained student, must be honored essentially.
- The quality factor is reviewed with the feedback from employers and parents on a regular basis.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

- The institution plans a constructive frame work for augmentation of infrastructural facilities and growth of the institution.
- To arrive at the target to be specified, Management seeks the information from all stakeholders, observers and evaluates the best plan and strategies of development activities that are striving for prospecting.
- The following key aspects are considered for inclusion in perspective plan:
Quality Education
Academic Infrastructure
Placements and R & D Activities

6.2.3 Describe the internal organizational structure and decision making process.

- Principal of the institution is the key person between the top management and the staff and students.
- The Academic In Charge will look after the normal duties of Principal in his absence. He also take care of the student affairs.
- HoDs will look after the departmental affairs and administration in line with the institutional plan.
- The organizational structure is shown below:



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

Teaching & Learning:

- Well furnished Class rooms, state-of-the-art labs,
- Central Library and Departmental Library, Modern Auditoria, Wi-Fi campus.
- Bridge Courses
- Well organized Lesson Plans
- Guest Lectures

- Foreign Languages
- Co curricular activities
- Remedial classes
- Innovative and interactive lecture Sessions
- Brain Storming and group planning
- Development of student support material
- Delivery of Add-on-courses
- Structured course files and lab manuals on all courses
- Academic audit
- Continuous improvement of resources

Research and Development:

- Encouragement of faculty for in house R & D
- Faculty and students are motivated for paper presentations and publications.
- Financial assistance to students for model buildings.

Community engagement:

Through ISR community outreach programmes are conducted.

Human resource management:

- Transparent quality policy
- Transparent and scientific way of selections
- Best way of personal relationships
- Periodic faculty training
- Support for academic advancement
- Systematic performance appraisal system and guidance to the people concerned
- Systematic promotion policies
- Participative management

Industry interaction:

- Good Industry Institute Relation

- Guest lectures by industry experts
- MoU with industrial units

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

- The Principal and management of the institution are always interacting with each other.
- The head of institution and senior faculty get the feedback from parents, alumni, industry, Faculty, students and the public with regards to the teaching quality, Library, infrastructure facilities and other facilities.
- In the meeting of the CAC the suggestions and recommendations from these sources are discussed among the participating members.
- After thorough discussion and deliberations the existing facilities and activities of the institution are reviewed and decisions are taken for better performance.
- The academic calendar and activities of the institute will be communicated to all stakeholders through college website and news letter published by the college.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

- The management gets the voice of staff members of the college and encourages their worthy initiatives.
- A qualitative suggestion of any member finds place in decision making. A systematic and participative management feature of the institution is to bring in the ownership among the staff members
- College committees will implement the decision true spirit with the guidance and cooperation of all the members to make right things right.
- Thus promoting belongingness in faculty and staff pave ways for effectiveness and efficiency.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Resolutions:

- Students should be made ready for personal and professional growth.
- The faculty members are advised to improve qualifications by higher degree/NET qualified.
- Encouraged to submit more research proposals for DST, DBT etc.
- Members have suggested, to take necessary steps for the successful NAAC accreditation Process.
- Asked to improve the standards of teaching by learning new theories of pedagogy.
- One research Project on Kolleru lake is sanctioned by DST.
- One more project is in pipeline.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

Though there is a provision for according autonomy by the university, institution plans to apply for autonomy only after getting NAAC accreditation.

6.2.9 How does the Institution 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.

- There is a Grievances and Redressal committee in the college headed by a senior faculty member.
- Complaints/ suggestions box is placed near the Principal's chamber and any suggestion or complaint lodged by the students is resolved by the Principal.
- However, the counseling and mentoring mechanism shatters most of the issues before they turn out as complaints.
- Voice of the student coordinators are also well taken into consideration for resolving students' complaints.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

No

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

- Students record their feedback on the performance of the institution at the end of academic year.
- In addition, students' oral expressions on what they need out of the institution for better functioning are also attended to.

2.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

- Faculty members are encouraged to acquire higher qualifications with administrative and academic flexibilities like Special Leaves and Leave on Duty.

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

- Staff Development programmes, technical manpower training programmes, and Orientation programmes for newly recruited employees are regularly organized by the institution for the benefit of its staff.
- Faculty members of the department along with HOD normally decide the nature of training and modules for training.
- Exit interaction of retired/ resigned staff is another mode of identifying the weak area for strengthening further.
- Inhouse training programs are arranged for the technical staff for better execution of lab sessions.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Performance Appraisal of the faculty is obtained which is to be considered for evaluating their performance.

Each faculty member submits his/her own self appraisal form duly certified by the concerned HOD.

The evaluation of faculty is proposed with the following criteria:

EVALUATION OF FACULTY

Allotment of points

S.No.	Criterion	Points		
		Prof.	Asso.	Asst.
a	Self Assessment	40	40	40
b	Students Assessment / Feedback on Faculty	15	20	25
c	Univ. Examination Results	15	15	15
d	Peer Evaluation	30	25	20
Total		100	100	100

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- The performance of each faculty member is evaluated yearly and the management suggests appropriate remedies.
- Whether a faculty member is utilized adequately or not is another criterion for action.
- Under performing faculty are advised to improve their performance by tuning in to institutional policy.
- Appreciation to faculty is communicated to those who got management's recommendations.
- Incentives are awarded to the deserved faculty members based on their performance.

- Devising a pro-active attitude for self growth of the faculty.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- EPF: Rs.1800/- per month. College pays its contribution of Rs.1800/- month while individual member contributes his/her share.
- ESI: The ESI insurance scheme is applicable for low income employees. For other employees Mediclaim scheme is underway.
- Maternity leave for 60 days is allowed for all those women employees who put in two years of service.
- Around 10% of the staff availed these schemes.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

- The environment of the institution attracts any person and creates an ambition of self attachment to the institution.
- The campus environment creates academic culture that every faculty is fascinated.
- Committed and deserved faculty members are offered higher pay.
- Financial assistance to needy staff is extended on request.
- Admissions to children of staff members are given at discount.
- Accommodation to faculty is provided at nominal cost in Green Meadows.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

- The institution has a well defined mechanism to monitor effective and efficient use of available resources.
- It obtains the requirements from each department in writing and all the infrastructure facilities, teaching and non teaching staff members are taking care of the departmental resources.
- After assessing the projected income for an academic year, college allocates budget to each department and institution with minute details.

- Purchases will be made with the help of central purchasing officer.
- All purchases are made online through PACT Revenue software wherein the Principal authorize the indents.
- College ear marks 2% of the income as contingency fund to meet expenditure pertaining to incidental development.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

- Both internal and external audits are conducted in every half year.
- After thorough verification, auditors will submit their report to the principal for follow up action.
- The external audit is done by standard chartered accountants.
- There are no major audit objections recorded.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

- Major Sources of Income are:
Tuition Fee
Promoter Society, SVES (in case of deficit)
- Audited income and expenditure statements for last four years are enclosed.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Loan from Banks, if necessary, will be taken for meeting emergency requirements.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

- The institution has established an Internal Quality Assurance Cell (IQAC) on 29.4.2015.
- IQAC Committee Chair Person : Principal
- Senior Administrative officer: Director, GAD, SVES, Bhimavaram
- Campus Teachers : Academic In Charge, HOD Maths, HOD Physics, and HOD Life Sciences.
- Local Society Nominee: Kovvada Village President
- Management Member: Director, SVES
- IQAC Coordinator: Mr. K.Eswara Prasad, Senior Lecturer

The policies of the institutional quality assurance cell are:

- To equip the students of the college with the knowledge in the latest trends in their respective fields and to prepare them to meet the requirements of the job market.
- To focus on augmenting the placement of the final year students in reputed companies through effective campus placement drives.
- To organize more number of guest lectures by eminent resource persons/subject experts in all the departments to enhance the academic input.
- To continue the schemes of Remedial Coaching classes for the slow learners and Bridge courses for students from other school backgrounds.
- To conduct Faculty Development Programmes (FDP's) periodically to update their knowledge.
- To record all the major and minor achievements of all the Departments and publish them in newsletters and website.
- To continue the activities of the Center for Research and to document all research related proceedings of the faculty through effective centralized recording system.
- To improve the communicative skills of the students.
- To upgrade the industry-institution relationship by developing linkages with professional/research bodies.
- To conduct a social audit and to enhance the status of the institution in the society.
- To inculcate the spirit of service mentality among student volunteers through Social Service activities.

- To give adequate counseling and guidance to students in their personal/academic/professional fronts through the Counseling and Guidance cell.
- To conduct a State-Level seminar through IQAC of our institution to promote NAAC related activities in the college.
- To encourage more number of students to participate in sports by providing them with required training, coaching and guidance.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

- The management of the institution strongly believes in quality education as mentioned in the mission and vision statements and thus approves and supports the activities of IQAC and approved the decisions taken by the body.

c) Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

- The IQAC has external member on its committee–1)Kovvada Village President.
- The presence of external member on IQAC Committee has immensely helps the committee and the institution in efficient planning and execution of the events.

d) How do students and alumni contribute to the effective functioning of the IQAC?

- The committee also consists of students and Alumni as members. College regularly interacts with Alumni; suggestions are well taken for the improvement of quality in various activities of the college.

e) How does the IQAC communicate and engage staff from different constituents of the institution?

- The faculty and non-teaching staff representatives are nominated as members of the general body of IQAC.
- They have attended and effectively participated in the general body meeting of IQAC held on 29.4.2015 in the college premises.

- The IQAC elicited the views of the staff members of the institution who proposed the conduct of various curricular, co-curricular and extra-curricular events and the proposals were subsequently discussed and finalized in IQAC meetings.
- The Director, IQAC also regularly interacts with the staff members through circulars and periodic meetings to ensure their effective participation in all the activities of the body.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalization.

Yes.

- All the Academic bodies and administrative sections of the institution interact with IQAC and scrupulously follow its guidelines in maintaining quality standards.
- The committee for Academic Audit of the institution was also constituted to audit the activities of different departments.
- The governing body designs the broad framework of operation while CAC implements it at the institutional level.
- Governance is amalgamation of academic flavor and administrative skills.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

- The IQAC of the institution organizes training programme to its staff members for creating an awareness and effective implementation of the Quality Assurance procedures. This helps the faculty to work for excellence and ensure all the stakeholders are benefited.
- The general body meetings ensures the policies made on quality assurance reach to all the faculty members.

- Apart from this, the institute encourages and sponsors faculty in participating in various orientation and refresher programmes, workshops, conferences, seminars etc., organized by reputed institutions.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

- The institution has organized the Academic Audit on the basis of Self Assessment reports submitted by the respective departments and by using the standard procedures. The outcome of the audit is to identify the deficiencies and take corrective steps for improving the institutional activities.
- The Commissionerate of Collegiate Education (CCE) deposes experts from Govt/Aided colleges to conduct academic audit (Format enclosed).
- The suggestions given by the academic auditor are considered for implementation.
- The proofs of all records and registers are very much insisted during the audit which help the institution to improve the activities.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

- The internal quality and assurance mechanism of the institution are so framed that they are in tune with the standards set by CCE.
- The inputs from external academic advisers are considered to modify the IQAC modalities.
- Teaching-learning process, Maintenance of registers and records are verified by the audit advisers of the external audit for better execution.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

- CAC of the college reviews the teaching and learning process in its periodic meetings.
- Senior faculty members physically observe the teaching of younger faculty and advise to correct any lapses separately.
- Body language and verbal language of teachers are given paramount importance in the teaching and learning process.
- The lesson plans, hand outs of subject material, and question papers prepared by the faculty are assessed internally and suitable suggestions are given for enriching the teaching and learning processes.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

- The institution communicates its quality assurance policies, mechanisms and outcomes through various interactive sessions, college publications and website.

CRITERIA VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the College conduct a Green Audit of its campus and facilities?

- The campus is lush green sprawling over 100 acres with regular green audit.
- It mainly concentrates on Clean Campus - Green Campus concept and it is committed to become an ambience of creativity and is dedicated to innovation.
- A qualified and experienced horticulturist takes care of developing and maintaining greenery in the campus.
- The college has taken its share of social responsibility in reducing carbon emission through renewable energy methods like solar, biogas generation and optimizing the use of fossil fuels wherever possible.
- The campus exhibits the importance given to eco-friendly campus.
- The College is covered with a number of trees.
- A numbers of lawns are equipped with water sprinklers.
- College maintains a nursery of saplings.
- Eco eco-friendly environment is cultivated in the campus.
- Bio- diversity is observed in the campus.
- Waste water treatment plants are established to convert waste water for plantation purposes.



7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy conservation

- SVES has been rated as the Best Consumer of APEPDCL in West Godavari District for use of alternative energy resources as well as prompt in our payments.
- The Certificate of Appreciation was received from the District Collector on the Republic Day Celebrations held at Eluru on 26-1-2014 , as shown below:

Check dam Construction

There is no check dam in the college premises at present.

Efforts for Carbon neutrality

- Students are motivated to use bi-cycle in the campus.
- Plantation of trees has been increased to absorb CO₂ emitted in the atmosphere and to provide an effective screen in covering carbon inflow.

Hazardous waste management

No hazardous waste is generated in the campus from any Department. The Institute takes all the care regarding the chemicals or other materials which may turn out to be hazardous in nature. All precautions are taken to store the chemicals in a safe and separate room. These chemicals are used by the students in their laboratory classes in extremely dilute form which do not harm much to the students.

The educational society is contemplating installation of a biogas plant and sewage treatment plant on the campus shortly. The group of colleges, with over 13,000 students, produces 2 lakh liters of sludge and huge quantities of bio-waste. The STP is expected to recycle the sludge and the sludge cakes produced in the process could be supplied to farmers for use as manures in the fields. To remove the contaminants from wastewater including household sewage and runoff (effluents), a 200 KLD **Sewage Treatment Plant** (STP) is setup in the campus itself. Its objective is to produce an environmentally safe fluid waste stream (or treated effluent) and a solid waste (or treated sludge) suitable for disposal or reuse (usually as farm fertilizer).





Sewage Treatment Plant

e-waste management

If the computers and its accessories are not in a working condition, they will be immediately repaired and reused again in the computer lab. If their life- time is over, the Management arranges to sell them as scrap materials time to time to the local people for recycling.

7.2. Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The main essence of the institution is to Transform the society through excellence in education, community empowerment and sustained environmental protection. To achieve the objectives, the institution is taking up many innovative activities to contribute for creating a positive impact on the functioning of the college as listed below:

1. Academic innovations like convening of Pre-midterm examination after every four weeks apart from internal examinations being conducted by the University and student seminars
2. Encouragement for faculty and supporting staff towards improvement of their educational qualification.
3. To make students stupendous daily tests in all subjects, one subject a day, are conducted such that they get an edge in the end examinations.
4. A holistic education environment in which emphasis is provided for:

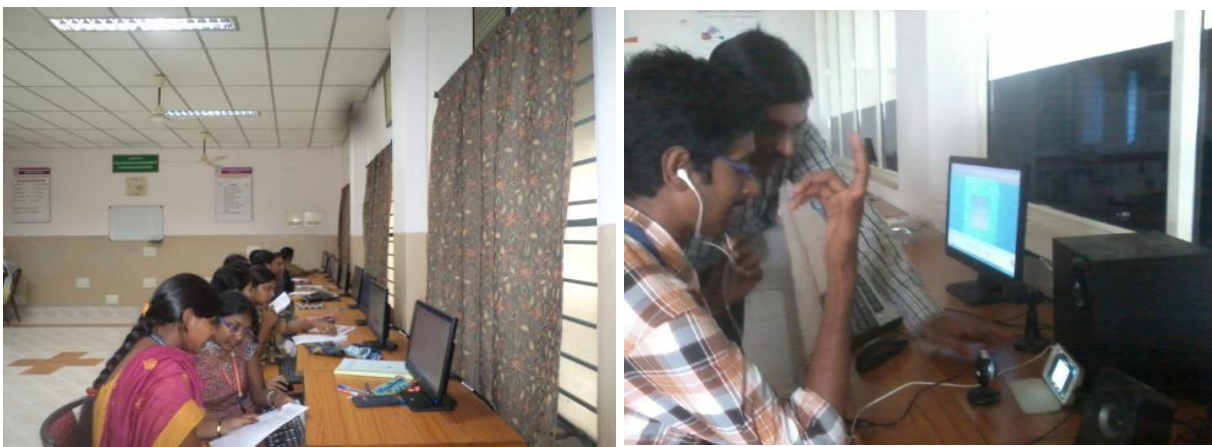
- a. Student Clubs
- b. Community Radio “Radio Vishnu 90.4”
- c. Participation in ATL

Students of the college involve in the Assistive Technology Lab of the Campus institutions and fabricate of assistive devices which are customized for physically disabled people.

The faculty mentors act as stabilizers and help the students in identifying most relevant and feasible solutions. They work within a budget, analyze the cost of various design alternatives, and in the end, make a project proposal outlining their design work and final solution. This is the initial phase of the project development process. In the next phase of development, the students burn midnight oil as to make their ideas come into their hands and finally reach the end user.

Students Working on the Projects They have weekly project reviews not only with the faculty mentors of our institution but they also have video conferencing with Prof. Alan Rux, UMASS Lowell, USA to go in the right direction to reach their goal. Of course, the ultimate goal of ATL projects is to distribute them to the respective clients on December 3rd Every Year. December 3rd happens to be International day of people with disabilities as declared by United Nations.

Thus, ATL engages students in real service learning, which not only benefits members of their local communities, but also helps students distinguish themselves among their peers in their future endeavors.



- List of Projects: 2014-15
1. Talking Box

2. Hand Gestures Recognition
3. Currency Calculator
4. Head Phones for Hearing Impaired People
5. Braille Printer

List of Projects - 2013-14

1. Talking Calculator
- 2 Human Body parts Identifier
3. Braille script Reader
4. Smart Hat

List of Projects - 2012 -13

1. E-coat
2. E-slate
3. Braille Transcription system

The images of projects distributed so far is given below:



The assistive technology projects are serving the society by providing technology to the disabled people to have a better and independent life.

B. V. Raju Knowledge Centre

This nodal centre for excellence in school education was started in December 2006 and inaugurated by Dr. T. Subba Rami Reddy - Union Minister of State for Mines at Dr. B. V. Raju's native village, Kumudavalli, which is 5 kms away from the town of Bhimavaram.

In continuance to the legacy of social responsibility the Chairman, Sri. K. V. Vishnu Raju transformed the ancestral house of the founder Chairman into a Knowledge Centre with an aspiration to provide quality primary education to children from rural schools where infrastructural and laboratory facilities are not available.

The Knowledge Centre has the capacity to accommodate 120 students and is equipped with physics, chemistry, biology and computer laboratories to facilitate students from VI to X classes to gain knowledge through first hand experimentation. Apart from this, the Knowledge centre has a well stocked library, computers with internet facility, LCD Projectors and teaching audio-visual aids, scientific equipment and models, and CDs of related subjects for classes from VI to X standard.



B. V. Raju Knowledge Centre

The Knowledge Centre is providing free transportation to all these children. Every year 10000 students from 24 schools are utilizing this facility.

Salient Features of the Knowledge Centre at Kumudavalli Village:

- Seminar Hall with audio-visual teaching aids.
- State-of-the-art computer Lab.
- Well equipped Physics, Chemistry and Biological Sciences Laboratories
- Modern Library
- Transport Facility between schools and the centre
- Our students are deputed to the Knowledge Centre to give training to the students.

Vishnu TV Academy:

The department of audio visual education of the Institution offers a certificate course on “Audio Visual Communication” of three months duration.

Amateur Astronomy Association (A A A)

The Amateur Astronomy Association (A A A) was started as a small effort to fuel the passion of some young minds towards the field of astronomy. Astronomy is an age old science and deals with the study of stars, galaxies, planets and other heavenly bodies. Children look at the stars in awe and excitingly recite the nursery rhyme: „twinkle twinkle little star, how I wonder what you are....But this curiosity wears off as they grow up. This club is therefore initiated, with the encouragement of our generous Chairman Sri K. V. Vishnu Raju and the management, to rekindle that long extinguished flame.



RADIO VISHNU 90.4

The campus is driven by novel ideas of the Chairman. A non-profitable community radio station was set up with a vision to give voice to voiceless. Radio Vishnu 90.4 is the first campus radio in Andhra Pradesh, India. Enabling interaction between community and academia, it enhances inter/intrapersonal skills of the students and instils social responsibility. Students develop most of the radio programmes on many relevant social issues keeping in mind all and sundry in the society. Recently radio vishnu received best community engagement award.



Radio Vishnu 90.4 Activities

7.3. Best Practices

In order to contribute to the quality improvement of the core activities of the college and also to support for the institutional objectives, the institution is taking up certain best practices which are listed below:

- Second year Electronics group students are encouraged to involve in design and fabrication of assistive devices for physically disabled.
- Inculcating the spirit of research among faculty and students for a progressive growth.
- Imparting ethics and values among the young brains through motivational and inspirational lectures.

7.3.1 Give details of any two best practices, which have contributed to better academic and administrative functioning of the college.

- Encouraging the youth through education with social commitment and state of art methodologies.
- Sanctioning scholarships to poor and merit students with a message to students and parents about the value based approach in the institutional journey.
- NSS is the best practice that more people share the responsibilities of

focusing the institution's image with respect to administration. The social commitment seeded in students helped in the activities of NSS.

- All HODs and senior faculty members are intuitively responsible for good governance and effective functioning of the institution.
- B.Sc. Life Science students are doing internships in advanced laboratories during summer holidays.
- Commerce students are sent for training in Accounts by using computer packages.
- Internal training to the final year students through ITP for campus placement drives.
- Add on courses on Audio Visual Communication, Bakery & Confectionery and Banking & Insurance will help the students either to grab jobs or to start own units.

C. INPUTS FROM THE DEPARTMENTS

DEPARTMENT PROFILE

1. Name of the Department: Mathematics and Humanities
2. Year of Establishment: 2002
3. Names of Programmes/Courses Offered:
B.Sc:
 1. Mathematics, Statistics and Computer Science
 2. Mathematics, Electronics and Computer Science
 3. Mathematics, Physics and Computer Science
 4. Mathematics, Physics and Chemistry
4. Names of Interdisciplinary courses and the departments/units involved:
Physics & Electronics, Computer Science and Chemistry
5. Annual/semester/choice based credit system(programme wise):
Annual Examination System
6. Participation of the department in the courses offered by other departments:
Yes
7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc...:
Nil
8. Details of Courses/Programmes discontinued(if any) with reasons :
Nil
9. Number of Teaching Posts:

Designation	Sanctioned	Filled
Professors		
Associate Professors	1	1
Assistant Professors		
Lectures		10

10. Faculty profile with Name ,Qualification ,Designation,
Specialization (D.Sc/D.Litt/Ph.D/M.Phill etc..)

Name	Qualification	Designation	Specialization	No .of Years of Experience	No. of Ph.D students guided for last 4 Years
Ch S V Satyanarayana	M.Sc	Academic Incharge	Mathematics	22	---
P Madhura Subhashini	M.Sc	Lecturer	Mathematics	10	---
Ch Satyanarayana	M.Sc	Lecturer	Mathematics	8	---
M Siva	M.Sc	Lecturer	Mathematics	5	---
B Jhansi Lakshmi	M.Sc, B.Ed	Lecturer	Mathematics	3	---
K Narayana Raju	M.Sc	HOD	Statistics	12	---
G Sudheer Babu	M.Sc	Lecturer	Statistics	4	---
B N V K Valli	M.A	Lecturer	Sanskrit and Telugu	14	---
U Madhavi	M.A,B.Ed	Lecturer	English	4	---
B Meshak Raju	M.A	Lecturer	English	8	---
U Raju	M.A	Lecturer	English	4	---

11. List of Senior visiting Faculty:

- Dr. GRK Acharya, NITW
- Dr.Subba Rao, SVECW
- Sri MSR Murthy, VITB
- Dr. S.Srinivas, VIT University
- Dr. M. Kalyani, KITS, Huzurabad

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio(Programme wise):

Programme	Student Teacher Ratio

B.Sc	20:1
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14. Number of Academic Support Staff(technical) and Administrative Staff, sanctioned and filled :

Support staff (technical): 0

Administrative Staff: 0

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phill/PG : **Only PG**

S.NO	Name	Qualification	Specialization

16. Number of Faculty with ongoing projects from

a) National: Nil

b) International founding agencies and grants received : Nil

17. Departmental projects founded by DST-FIST, UGC, DBT, ICSSR, etc.. and total grants received : No

18. Research centre/ Facility recognized by the University: No

19. Publications: NIL

S.NO	Name of the Teachers	Details of Seminars & Workshop Attended
1	K. Narayana raju	FDP, BVRICE, Resouce Person
2	Ch.S.V.Satyanarayana	FDP, BVRICE, Resource Person
3	BNVK Valli	FDP, BVRICE, Resource Person
4	P.Madhura Subhashini	FDP, BVRICE
5	Ch.Satyanarayana	FDP, BVRICE, Resource Person
6	U.Madhavi	FDP, BVRICE, Resource Person
7	B. Meshak Raju	FDP, BVRICE

8	U. Raju	FDP, BVRICE
9	M.Siva	FDP, BVRICE

20. Areas of Consultancy & Income generated : Nil

21. Faculty as members in :

S.NO	Name of the Faculty	Members in
1	K Narayana Raju	B.O.S in ANUR
2	B N V K Valli	B.O.S in KGRL College

22. Student Projects :

- a. Percentage of students who have done in-house projects including inter department /programme : 0
- b. Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/Other Agencies: 0

23. Awards/Recognitions received by Faculty & Students: 0

24. List of Eminent Academicians & Scientists/Visitors to the Department:Nil

25. Seminars/Conferences/workshops organized & the source of funding : Nil

Workshops: Nil

Seminars:Nil

Conferences: Nil

26. Student profile programme/Course wise :

Academic Year	Course	Male	Female	Total
2012-13	MPC	23	26	49
	MPCs	17	28	40
	MSCs	16	31	47
	MECs	45	37	82
	MPC	23	30	53

2013-14	MPCs	25	35	60
	MSCs	28	24	52
	MECs	48	62	110
2014-15	MPC	39	21	60
	MPCs	20	40	60
	MSCs	27	33	60
	MECs	67	53	120

27. Passing percentage of students in the Academic Year :2014 - 15

Class	Subject	No. of students appeared	No. of Students passed	Percentage of passing
I Year	Mathematics	291	164	56
II Year	Mathematics	249	144	59
III Year	Mathematics	194	138	71
I Year	Statistics I	58	55	94.8
II Year	Statistics II	45	34	75.5
III Year	Statistics III & IV	41	27	65.8
I Year	English I	435	408	93.7
II Year	English II	369	351	95.1
I Year	Sanskrit I	438	421	96.1
II Year	Sanskrit II	375	368	98.1

28. Diversity of Students: Different Communities from OC/BC/SC/ST

29. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

Nil

30. Student progression :

- B.Sc to Employment in various Software Companies and Other Govt., Non Govt., organisations.
- B.Sc to Various PG programs.

31. Details of Infrastructural Facilities:

- a. Library : Yes
- b. Internet Facilities for Staff & Students: Yes
- c. Class rooms with ICT Facility: 2
- d. Laboratories: Nil

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 30 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

The students participate in the seminar, workshops etc conducted by both department and VCLC

34. Teaching methods adopted to improve student learning :

PPT and Chalk & board Method

35. Participation in Institutional Social Responsibility(ISR) & Extension Activities:

Various NSS activities

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
Faculty Members are Experienced and Dedicated	Academically weak students.	Eligible for 1. Various PG programs 2. Competative Examinations 3. ASO's	To motivate all the students from rural areas so that they are able to reach the expectations of various software companies and other Govt., Non-Govt., Organisations.

DEPARTMENT PROFILE

1. Name of the department: Physics & Electronics
2. Year of Establishment: 2003.
3. Names of Programmes / Courses offered:
 - 1.B.Sc., with Mathematics, Physics and chemistry
 - 2.B.Sc., with Mathematics, Electronics and Computer Science
 - 3.B.Sc., Mathematics, Physics and Computer Science
 - 4.B.Sc., Mathematics, Physics and Electronics (Withdrawn in2012)
4. Names of Interdisciplinary courses and the departments/units involved:
Nil
5. Annual/ semester/choice based credit system (programme wise):
Annual as per ANUR .
CBCS from 2015 - 16
6. Participation of the department in the courses offered by other departments:
The teaching Faculty Participates Seminars, Refreshers Courses, Orientation Courses, Workshops, Syllabus Restructuring etc.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.:
Nil
8. Details of courses/programmes discontinued (if any) with reasons:
B.Sc., Mathematics, Physics and Electronics is replaced with B.Sc., Mathematics, Electronics and Computer science as this course is more useful for students to join in IT industry.
9. Number of teaching posts:

Designation	No.
Professors	01
Sr Lecturer	03
Lecturers	05

10. 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 for the last 4 years
Dr. Ch V Srinivas	M.Sc. Ph.D.	Professor	Optics	25 Years	Guiding One
B Kiran	M.Sc.	Sr Lecturer	Nuclear Physics	12 Years	Nil
K Esvara Prasad	M.Sc.	Sr Lecturer	Electronics	13 Years	Nil
K S N Raju	M.Sc	Lecturer	Electronics	8 years	Nil
BSS RAO	M.Sc.(Tech)	Sr Lecturer	Electronics	21 Years	Nil
Y Kiran Kumar	M.Sc., B.Ed.	Lecturer	Electronics	4 Years	Nil
P Manjulatha	M.Sc., B.Ed.	Lecturer	Electronics	9 Years	Nil
KKJ Chakravarthi	M.Sc.	Lecturer	Electronics	10 Years	Nil
Ms. Prasanna Bhavani	M.Sc.	Lecturer	Physics	Fresh	Nil

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise)

Programme	Student Teacher Ratio
B.Sc.	20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
Support Staff (technical): 2
Administrative Staff: 2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/

M.Phil/PG.:

Ch.V.Srinivas -- M.Sc., Ph.D.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
Nil
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:
We are preparing to submit proposals for Major/Minor Research Project in the coming academic year from UGC.
18. Research Centre / facility recognized by the University:
Nil
19. Publications:

PUBLICATIONS OF Dr. CH.V.SRINIVAS

International Journals

1. "Incoherent Transfer functions of optical systems apodised with Hamming Window functions", Atti Fond G. Ronchi(Italy). PP.65-73 (1995).
2. "Modulations of the images in the Apodised holographic system", OPTIK (Germany), vol.107, No.3, PP.93-98 (1998).

National Journals:

1. "Determination of Normal displacements of warren beams by holographic Method", Ind. Jl. Physics, 64(B)(2), 106-115(1990).
2. "Stiffness Evaluation of Machine columns by Holographic Interferometry", Jl.Struct.Engg., Vol.14, NO.4, PP.136 (1990).
3. "Determination of displacements of Ribbed plates by Holographic Interferometry", Jl.Struct.Engg, Vol.14, NO.4, PP-133 (1990).
4. "Theory of optical coherence", Jl. Of Pure & Applied Physics, Vol.3, No.1, PP.1-49 (1991).
5. "Stiffness Evaluation of Ribbed Square Plates by Holographic Method", Jl. of Optics, Vol.20, No.3, PP.111-116(1992).

6. "Half Power Diameter and its usefulness", *Jl. Of Pure & Applied Physics*, Vol.4, No.2, PP 94-98 (1992).
7. "Comparative study of coherent Edge responses of Apodised Optical systems", *Ind. Jl. of Pure & Applied Physics*, Vol.31, PP.334-334 (1993).
8. "Performance Evaluation of Hamming filters in the coherent imagery of Edge objects", *Jl. Of Optics*, Vol.22, No.13, PP.71-73(1993).
9. "Torsional Studies of HMT column 5628851, "Acta Sincia Indica, Vol.20, PP.1-10(1994).
10. "Image contrast in the confocal scanning microscope with Apodisers", *Ind.Jl. of Pure & Applied Physics*, Vol.32, PP.768-771 (1994).
11. "Image contrast in the confocal scanning microscope with apodised Collector", *Jl. Of Optics*, Vol.25, No.1, PP.75-79(1996)
12. "Image contrast in the Apodised Holographic System", *Ind. Jl. Of Pure & Applied Physics*, Vol.34, PP.135-139 (1996).
13. "The Influence of Apodisers on the point spread Function in confocal Scanning Microscope", *Ind. Jl. Of Pure & Applied Physics*, Vol.34, PP.840-842(1996).
14. "Peristaltic Transport of Thermo Viscous Fluid", *Acta Ciencia Indica*, Vol.22, PP.245-250(1996).
15. "Study of Chemical-Bimolecular Interaction and Maximum Chemical Acceptability", *Acta Ciencia Indica*, Vol.22, PP. (1996).
16. "Modulation of Rectangular and Triangular Bar Targets by Optical System Using Hamming Filters", *Defence Science Journal*, Vol.47, No.2, PP.217-223(1997).
17. "Influence of Buffer capacity, Traffic Intensity and Inactivity Time out on various Queue parameters in IP-ATM Gateway with M/G/1/N Queue Model, *ACCST Research Journal*, Vol. II, No.1, PP.50-64 (2004).
18. "Technical Education in the Private Sector- A state of the Art", *Ind. Jl. of Tech.Education*, Vol.27, PP.79-80(2004).
19. "Analysis of Various Performance Measures in IP-ATM Gateway of M/G/1/N Queue Model", *Applied Science Periodical* , Vol.VII, No.1, PP 35-41 (2005).
20. "Studies on the Efficiency of Single Server Queue Model", *Acta Ciencia Indica*, Vol. 32P, No.4, PP 505-507 (2006).

21. "Optical Computer", Every Science, Vol. , PP. 212 (1998).
22. "Optical computing in the light of Optical Bistability and Holographic Memory", Every Science, Vol.25, No.1, PP.15-19(1990).
23. "Optical Computing Using Cellular Logic and Holographic Memory", Every Science .Vol.28, No.2, PP 58-63 (1993).
24. "Acoustical Holography and Image Processing", Project completion report submitted to D.S.T., New Delhi (1989).
25. "Restructuring the Tech. Education to meet the Global requirements: A need Indeed", Ind. Jl. Of Tech.Edn., Vol 30, No. 2 P.87-89 (2007).
26. "Technical Education – The ground realities", The Jl. Of Engg.Edn, Vol.21, NO.2,P 9-11 (2007)
27. "The Characteristic Packet loss in Dynamic light path of WDM networks", Acta ciencia Indica. Vol 34, No.2, 673(2008).
28. "Status quo of Technical Education", The Jl. Of Engg.Edn(2008).
29. "Image contrast in the Apodised confocal scanning Microscope", Acta Ciencia Indica, Vol 35, No.2, 347 (2009).
30. "Academic Leadership in the Private Institutions", The Jl.of Engg.Edn., (2009).
31. "Force Interactions in Nanotubes and Energy Evaluation", Jl. Of ANU, Vol.1, Pp 44- 46; (2010)
32. "Role of ICT in Technical Education- A review", Ind.Jl. Tech.Edn; (2010).
33. "Estimation of Strain Energies of Carbon Nanofibers with an Emphasis on Elastic Properties", Accepted for Publication, Appl.Sci.Periodical (2015).

20.Areas of consultancy and income generated: Nil

Faculty as members in:

- Dr. Ch V Srinivas: Member, Editorial system, Elsevier Karbala International Journal of Modern Science.
- Dr.Ch.V.srinivas, Member, ANUR Academic Calendar Committee.
- Dr.Ch.V.srinivas, Reviewer, IUCEE, 3rd International Conference on Transforming Engg. Education, Bangaluru
- BSS Rao:
Member of BOS,Electronics, Aadikavi
NannayaUniversity,Rajahmundry.

Member of BOS, Govt Arts College (A) Rajahmundry and DNR (A)

College,Bhimavaram.

21. Student projects

- a. Percentage of students who have done in-house projects including inter departmental/programme:
Nil
- b. Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: Nil

23. Awards/ Recognitions received by faculty and students:

Dr. Ch V Srinivas was awarded Best Teacher Award by JNTU, Kakinada.
Dr. Ch V Srinivas was awarded Swamy Vivekananda Award, 2012.
Dr. Ch V Srinivas was awarded Teaching Excellence Award, 2013.

24. List of eminent academicians and scientists / visitors to the department:

1. Dr.RLN Sai Prasad, NIT Warangal
2. Dr. O. Md. Hussain, SV University, Titupathi
3. Dr. K. Narendra, VR Siddhartha Engg. College, Vijayawada
4. Dr. D. Dinakar, NIT, Warangal
5. Dr. V. Rajeswara Rao, KITS, Singapur
6. Dr. Ch. Srinivas, Andhra Loyola College, Vijayawada

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Student profile programme/course wise:

Academic Year	Course	Male	Female	Total
2012-13	MPC	23	26	49
	MPCs	17	28	40
	MECs	45	37	82
2013-14	MPC	23	30	53
	MPCs	25	35	60
	MECs	48	62	110
2014-15	MPC	39	21	60
	MPCs	20	40	60
	MECs	67	53	120

27. Pass percentage of students during the academic year 2014 - 15

Class	Subject	No. of students appeared	No. of Students passed	Percentage of passing
I year	Physics I	117	87	74.4
II Year	Physics II	103	70	68
III Year	Physics III & IV	84	48	57.14
I year	Electronics I	116	97	83.6
II Year	Electronics II	104	91	87.5
III Year	Electronics III & IV	75	54	72

28. Diversity of Students : Different Communities from OC/BC/SC/ST/Minorities

29. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

Nil

30. Student progression :

- B.Sc to Employment in various Software Companies and Other Govt., Non Govt., organisations.
- B.Sc to Various PG programs.

31. Details of Infrastructural Facilities:

- a. Library : Yes
- b. Internet Facilities for Staff & Students: Yes
- c. Class rooms with ICT Facility: 2
- d. Laboratories: 2

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 25 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

The students participate in the seminar, workshops etc conducted by both department and VCLC

34. Teaching methods adopted to improve student learning :

- Remedial lectures are held for the academically weaker students.
- Study hours and daily tests are conducted before prefinal exams for at least two months

35. Participation in Institutional Social Responsibility(ISR) & Extension Activities:
Various NSS activities

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
Faculty Members are Experienced and Dedicated, which helps students to gain knowledge in different areas.	Students of low academic standards join the course.	Eligible for Various PG programs Chemical/ Pharma laboratories Soft ware companies	To motivate all the students from rural areas so that they are able to reach the expectations of various software companies and other Govt., Non-Govt., organisations.

DEPARTMENT PROFILE

1. Name of the Department: Chemistry
2. Year of Establishment: 2003
3. Names of Programmes/Courses Offered:
B.Sc:
 1. Mathematics, Physics and Chemistry
 2. Chemistry, Biotechnology and Biochemistry
 3. **M.Sc.** Organic Chemistry
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/semester/choice based credit system(programme wise):
 Annual Examination System
6. Participation of the department in the courses offered by other departments:
 Yes
7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc...:
 Nil
8. Details of Courses/Programmes discontinued(if any) with reasons :
 Nil
9. Number of Teaching Posts:

Designation	Sanctioned	Filled
Professors		
Associate Professors		
Assistant Professors		
Lectures	9	09

10. Faculty profile with Name ,Qualification ,Designation,
 Specialization (D.Sc/D.Litt/Ph.D/M.Phill etc..)

Name	Qualification	Designation	Specialization	No .of Years of Experience	No. of Ph.D students guided for last 4 Years

J. Padmavathi	M.Sc M.Phil	HOD PG – M.Sc.	Physical chemistry	20	--
D.Ravi kumar	M.Sc	HOD I/C UG	Inorganic chemistry	10	--
J.L.L.S.Phanikumar	M.Sc B.Ed	Lecturer	Organic chemistry	5	--
K.L.Malleswari	M.Sc	Lecturer	Organic chemistry	4	--
S.Ramesh	M.Sc,	Lecturer	Organic chemistry	4	--
N.V.Siva krishna	M.Sc	HOD	Organic chemistry	3	--
A.Sai krishna	M.Sc	Lecturer	Organic chemistry	7	--
R. Uday bhaskari	M.Sc	Lecturer	Organic chemistry	1	--
R.Sithamahalakshmi	M.Sc.	Lecturer	Organic Chemistry	Fresh	--

11. List of Senior visiting Faculty: 2

1. Prof. G.Nageswar rao ,Andhra University, Visakhapatnam
2. Dr.A.Ratnakar, VR Siddhartha Engg. College, Vijayawada
3. DrB.Sridhar, Principal Scientist, IICT, Hyderabad
4. Dr. B.Siddhaya, Andhra University, Visakhapatnam

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

Nil

13. Student-Teacher Ratio(Programme wise):

Programme	Student Teacher Ratio
B.Sc	20:1
M.Sc.	15:1

14. Number of Academic Support Staff(technical) and Administrative Staff, sanctioned and filled :

Support staff (technical): 2

Administrative Staff: 0

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/PG :

S.NO	Name	Qualification	Specialization
1	J. Padmavathi	M.Phil	Physical chemistry
2	A.Sai Krishna	M.Sc., AP SET	Organic Chemistry

16. Number of Faculty with ongoing projects from

c) National: 1

d) International founding agencies and grants received : Nil

17. Departmental projects founded by DST-FIST, UGC, DBT, ICSSR, etc.. and total grants received : No

18. Research centre/ Facility recognized by the University: No

19. Publications: Nil

S.NO	Name of the Teachers	Details of Seminars & Workshop Attended
1	D.ravi kumar	National seminar V.R.Siddartha Engg.College Topic 1- Emerging areas in chemistry Topic.2- Importance of green chemistry

2	J.L.S.S.Phani Kumar	National seminar V.R.Siddartha Engg.College Topic 1- Emerging areas in chemistry Topic.2- Importance of green chemistry
3	J. Padmavathi	Resource Person, FDP
4	D.Ravi Kmar	Resource Person, FDP
5	K.L.Malleswari	Attended FDP, BVRICE
6	N V Siva Krishna	Attended FDP, BVRICE

20. Areas of Consultancy & Income generated : Nil

21. Faculty as members in :

S.NO	Name of the Faculty	Members in
1	D.Ravikumar	ANUR Spot Valuation
2	JLSS Phanuumar	“
3	K.L.Malleswari	“

22. Student Projects :

- a. Percentage of students who have done in-house projects including inter department /programme : 0
- b. Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/Other Agencies: 0

23. Awards/Recognitions received by Faculty & Students: 0

24. List of Eminent Academicians & Scientists/Visitors to the Department:Nil

25. Seminars/Conferences/workshops organized & the source of funding : Nil

Workshops: Nil

Seminars:Nil

Conferences: Nil

26. Student profile programme/Course wise :

Academic Year	B.Sc. Course	Male	Female	Total
2012-13	MPC	23	26	49
	C.BT.BC	08	15	23
2013-14	MPC	23	30	53
	C.BT.BC	05	28	33
2014-15	MPC	39	21	60
	C.BT.BC	11	24	35
	M.Sc. Course			
2012-13	I M.Sc.	13	22	35
	II M.Sc.	20	10	30
2013-14	I M.Sc.	22	14	36
	II M.Sc.	13	22	35
2014-15	I M.Sc.	17	14	31
	II M.Sc.	21	14	35

27. Passing percentage of students in the Academic Year :2014 - 15

Class B.Sc	Subject	No. of students appeared	No. of Students passed	Percentage of passing
III BSc (MPC)	CHEMISTRY-3,4	40	28	70
III B.Sc (BT.BC.C)	CHEMISTRY-3,4	20	20	100
II BSc (MPC)	CHEMISTRY-2	44	20	45
II B.Sc (BT.BC.C)	CHEMISTRY-2	31	30	96
I BSc (MPC)	CHEMISTRY-1	58	42	72
I B.Sc (BT.BC.C)	CHEMISTRY-1	38	37	97

M.Sc.	Subject	No. of students appeared	No. of Students passed	Percentage of passing
I Sem	General Chemistry	31	31	100
	Inorganic Chemistry	31	30	97
	Organic Chemistry	31	30	97
	Physical Chemistry	31	28	84
II Sem.	General Chemistry	29	28	97
	Inorganic Chemistry	29	28	97
	Organic Chemistry	29	29	100
	Physical Chemistry	29	28	97
	Inorganic Lab	31	31	100
	Organic Lab	31	31	100
	Physical Lab	31	31	100
III Sem.	Organic Reaction Mechanism	33	33	100
	Organic Spectroscopy	33	33	100
	Organic Synthesis	33	33	100
	Natural Products	33	33	100
IV Sem.	Organic Mechanism	33	33	100
	Organic Spectroscopy	33	33	100
	Organic Synthesis	33	30	91
	Natural Products	33	33	100
	Mixture Analysis Lab	33	33	100
	Synthesis Lab	33	33	100

28. Diversity of Students: Different Communities from OC/BC/SC/ST

29. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

Nil

30. Student progression :

- B.Sc to Employment in various Software Companies and Other Govt., Non Govt., organisations.
- B.Sc to Various PG programs.
- M.Sc. to employment and or Research field

31. Details of Infrastructural Facilities:

- a. Library : Yes
- b. Internet Facilities for Staff & Students: Yes
- c. Class rooms with ICT Facility: 2
- d. Laboratories: 2

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 30 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

The students participate in the seminar, workshops etc conducted by both department and VCLC

34. Teaching methods adopted to improve student learning :

- Remedial lectures are held for the academically weaker students.
- Study hours and daily tests are conducted before prefinal exams for at least two months

35. Participation in Institutional Social Responsibility(ISR) & Extension Activities:
Various NSS activities

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
Faculty Members are Experienced and Dedicated, which helps students to gain knowledge in different areas.	Students opt Chemistry as last option.	Eligible for Various PG programs Chemical/ Pharma laboratories Soft ware companies Pharma companies and Labs Teaching profession	To motivate all the students from rural areas so that they are able to reach the expectations of various software companies and other Govt., Non-Govt., Organisations.

DEPARTMENT PROFILE

1. Name of the Department : Computer Science
2. Year of Establishment: 2002
3. Names of Programmes/Courses Offered:
 - I B.Sc:
 1. Mathematics, Physics and Computer Science
 2. Mathematics, Electronics and Computer Science
 3. Mathematics, Statistics and Computer Science
 - II B.Com. (Vocational)
4. Names of Interdisciplinary courses and the departments/units involved:
Mathematics , Physics , Electronics and Statistics
5. Annual/semester/choice based credit system(programme wise):
Annual Examination System and Semester
6. Participation of the department in the courses offered by other departments:
Yes
7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc.:
Nil
8. Details of Courses/Programmes discontinued(if any) with reasons :
Nil
9. Number of Teaching Posts:

Designation	Sanctioned	Filled
Professors		
Associate Professors		
Assistant Professors		
Lectures	09	08

10. Faculty profile with Name ,Qualification ,Designation,
Specialization (D.Sc/D.Litt/Ph.D/M.Phill etc..)

Name	Qualification	Designation	Specialization	No .of Years of Experience	No. of Ph.D students guided for last 4 Years
R Rama Rao	M.Tech	HOD	Computer Science	14	--
D Roja Rani	M.Tech	Lecturer	Computer Science	7	--
N V L Ramesh	MCA	Lecturer	Computer Science	4	--
G AnkammaRao	MCA	Lecturer	Computer Science	4	--
B Naresh	MCA	Lecturer	Computer Science	4	--
M N Ravindra Babu	MCA	Lecturer	Computer Science	4	--
A S Vamsi Kumar	MCA	Lecturer	Computer Science	1	--
A V Satyanarayana Raju	M.Tech	Lecturer	Computer Science	1	--

11. List of Senior visiting Faculty: Nil

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio(Programme wise):

Programme	Student Teacher Ratio
B.Sc.	20:1
B.Com.	20:1

14. Number of Academic Support Staff(technical) and Administrative Staff, sanctioned and filled : 03

Support staff (technical): 03

Administrative Staff: 00

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/PG :No Ph.D., All PGs

S.NO	Name	Qualification	Specialization

16. Number of Faculty with ongoing projects from

a) National : Nil

b) International founding agencies and grants received : Nil

17. Departmental projects founded by DST-FIST, UGC, DBT, ICSSR, etc.. and total grants received : No

18. Research centre/ Facility recognized by the University: No

19. Publications:

S.NO	Name of the Teachers	Details of Seminars & Workshop Attained	Publications
1	R Rama Rao	1.Refresh Course on Middleware Technologies 2.Current Trends of Research in Computer Science and Engineering 3.Two Week ISTE Workshop on Database Management System	AN EFFECTIVE STRATEGY OF ROUTING BASED MANET
2	D Roja Rani	1.Current Trends of Research in Computer Science and Engineering	EFFICIENT SEARCH METHOD FOR IDENTIFYING RELEVANT ANSWERS OVER XML DATA

20. Areas of Consultancy & Income generated : Nil

21. Faculty as members in :

S.NO	Name of the Faculty	Members in
1	R Rama Rao	B O S in ANUR
		YNM Degree College, Narasapur

22. Student Projects :

c. Percentage of students who have done in-house projects including inter department /programme : 0

d. Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/Other Agencies: 0

23. Awards/Recognitions received by Faculty & Students: 0

24. List of Eminent Academicians & Scientists/Visitors to the Department:

- Dr.P.Suresh Varma, ANUR, Rajahmundry
- Dr. DJ Nagendra Kumar, VIT, Bhimavaram
- Dr. Sumeeth Gupta, VIT, Bhimavaram
- Dr. BDCN Prasad, PVP SIT, Vijayawda

25. Seminars/Conferences/workshops organized & the source of funding :

Workshops:

Seminars: ASPIRE 2013

Conferences:

26. Student profile programme/Course wise :

Academic Year	Course	Male	Female	Total
2012-13	MPCs	17	28	40
	MSCs	16	31	47
	MECs	45	37	82
2013-14	MPCs	25	35	60

	MSCs	28	24	52
	MECs	48	62	110
2014-15	MPCs	20	40	60
	MSCs	27	33	60
	MECs	67	53	120

27. Passing percentage of students in the Academic Year :2014 - 15

Academic Year	Course	Male	Female	Total
2012-13	MPCs	17	28	40
	MSCs	16	31	47
	MECs	45	37	82
2013-14	MPCs	25	35	60
	MSCs	28	24	52
	MECs	48	62	110
2014-15	MPCs	20	40	60
	MSCs	27	33	60
	MECs	67	53	120

28. Diversity of Students:

Different Communities from OC/BC/SC/ST/Minorities

29. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

Nil

30. Student progression : B.Sc. to Employment in Software Industry ,Government Sector and Private Sector etc.

B.Sc. to P.G. Courses M.Sc., MCA or MBA

31.Details of Infrastructural Facilities:

- a. Library : Yes
- b. Internet Facilities for Staff & Students: Yes
- c. Class rooms with ICT Facility: 2
- d. Laboratories: 4 Computer Science Labs with 120 systems

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 25 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

- Students presented papers in ASPIRE 2013

34. Teaching methods adopted to improve student learning :

Black Board and PPT (ICT) , Conducting additional classes for weak students

35. Participation in Institutional Social Responsibility(ISR) & Extension Activities:

Various NSS activities

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
All the faculty members are work minded and doing very hard work	Input Student standards are low	Jobs in the Software Development , Hardware and Networking .	Improving the Technical Skills for the Students Improving the Latest Trends in IT sector

DEPARTMENT PROFILE

1. Name of the Department: LIFE SCIENCES

2. Year of Establishment:

3. Names of Programmes/Courses Offered:

1. B.Sc. [Microbiology, Biochemistry, Biotechnology]

2. B.Sc. [Biotechnology, Biochemistry, Chemistry]

4. Names of Interdisciplinary courses and the departments/units involved:Chemistry

5. Annual/semester/choice based credit system(programme wise):

Annual system for second ,final B.Sc students and semester [choice based credit system]
for first year students as per ANUR

6. Participation of the department in the courses offered by other departments: Yes

7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc...:
Nil

8. Details of Courses/Programmes discontinued(if any) with reasons :

MB.BC.MLT is replaced with BSc (BT.BC.C), as the MLT is closed in university and
attached to medical university.

9. Number of Teaching Posts:

Designation	Sanctioned	Filled
Lecturers	05	05

10. Faculty profile with Name ,Qualification ,Designation,Specialization
(D.Sc/D.Litt/Ph.D/M.Phill etc..)

Name	Qualification	Designation	Specialization	No .of Years of Experience
E.A.V.V.Rambabu.M	M.Sc,	HOD I/C	Biochemistry	08
Dr.D. Ravishankar	Msc,M.Phil,Ph. D	Lecturer	Biochemistry	12

D.Sridevi	M.Sc	Lecturer	Microbiology	08
K.Sudhamadhavi	M.Sc.,B.Ed	Lecturer	Biotechnology	04
P.Geetha Kumari	M.Sc.	Lecturer	Biotechnology	01

11. List of Senior visiting Faculty:

1. Prof. RAMARAO MALLA- HOD, DEPARTMENT OF BIOCHEMISTRY. GITAM UNIVERSITY, VIZAG.
2. RAVIKUMAR - VAC BIOTECHS, HYDERGUDA, HYDARABAD.
3. K. KRISHNAVENI- PRINCIPAL, MODAL SCHOOL, MURAPAKA.

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: NIL

13. Student-Teacher Ratio(Programme wise):

Programme	Student Teacher Ratio
B.Sc.	20:1

14. Number of Academic Support Staff(technical) and Administrative Staff, sanctioned and filled :

Support staff (technical): 01 Administrative Staff: 02

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phill/PG :

S.NO	Name	Qualification	Specialization
1.	M.E.A.V.V.Rambabu	M.Sc., AP Set(Ph.D)	Biochemistry
2.	Dr.D.Ravishankar	M.Sc.,M.Phil,Ph.D	Biochemistry
3.	D.Sridevi	M.Sc. (Ph.D)	Microbiology
4.	K.Sudhamadhavi	M.Sc.,B.Ed, AP Set	Biotechnology
5.	P.Geetha Kumari	M.Sc.	Biotechnology

16. Number of Faculty with ongoing projects from

a) National: NIL

b) International founding agencies and grants received : NIL

17. Departmental projects founded by DST-FIST, UGC, DBT, ICSSR, etc.. and total grants received : NIL

18. Research centre/ Facility recognized by the University: NIL

19. Publications:

No. of papers published in paper reviewed journals 1.National: 05

2. International: 05

Total: 10

20. Areas of Consultancy & Income generated : NIL

21. Faculty as members in :

S.NO	Name of the Faculty	Members in
1.	M.E.A.V.V.RAMBABU	BOS in KGRL (A) College, Bhimavaram.
		BOS in DNR (A) College, Bhimavaram.
2.	Dr.D.RAVISHANKAR	BOS in ANUR, Rajahmundry.
		BOS in DNR (A) College, Bhimavaram.
		BOS in ST.THERESSA College, Eluru.
3.	K.SUDHAMADHAVI	BOS in DNR (A) College, Bhimavaram.

22. Student Projects :

e. Percentage of students who have done in-house projects including inter department programme : 30

f. Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/Other Agencies: 20

23. Awards/Recognitions received by Faculty & Students:

1.P. MEGHANA of 3/3 BTBCC GOT UNIVERSITY 6th RANK DURING 2013-2015 BACH.

2.P.Sridevi of 1/3 BTBCC got university 4th rank during 2013-14.

3.P.Meghana of 1/3 BTBCC got university 7th rank during 2013-14.

24. List of Eminent Academicians & Scientists/Visitors to the Department:

1. Dr. RAMARAO MALLA 2. RAVIKUMAR

25. Seminars/Conferences/workshops organized & the source of funding :

1.Workshops: NIL 2.Seminars: NIL 3.Conferences: NIL

26. Student profile programme/Course wise :

Academic Year	Course	Male	Female	Total
2012-2013	MB.BT.BC.	20	30	50
	BT.BC.C.	09	17	26
2013-2014	MB.BT.BC.	13	24	37
	BT.BC.C.	08	34	42
2014-2015	MB.BT.BC.	03	42	45
	BT.BC.C.	13	26	39

27. Passing percentage of students in the Academic Year : 2014-2015

Class	Subject	No. of students appeared	No. of Students passed	Percentage of passing
MB.BT.BC.	Biotechnology	24	24	100%
BT.BC.C.		20	20	100%
MB.BT.BC.	Biochemistry	24	21	93.1%
BT.BC.C.		20	20	100%
MB.BT.BC.	Microbiology	24	24	100%
BT.BC.C.	Chemistry	20	20	100%

Passing percentage of students in the Academic Year : 2014-2015

Class	Subject	No. of students appeared	No. of Students passed	Percentage of passing
MB.BT.BC.	Biotechnology	10	08	80%
BT.BC.C.		06	05	83%
MB.BT.BC.	Biochemistry	10	08	80%
BT.BC.C.		06	05	83%
MB.BT.BC.	Microbiology	10	10	100%
BT.BC.C.	Chemistry	06	04	66%

28. Diversity of Students: OC/BC/SC/ST

29. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

01.NET-02

02]SLET-01

30. Student progression: B.Sc. to Employed:

B.Sc. to P.G.:

B.Sc. to Entrepreneurs:

The subjects of life sciences are a compulsory subject at all three levels. Hence there is tremendous scope for higher studies for students. Many students have completed post graduation in life sciences. Many have completed M.Sc. in various fields like Biotechnology, Biochemistry, Microbiology, Chemistry, Medical microbiology, Medical biochemistry, Agricultural biotechnology, Marine biotechnology, Genetics, Bioinformatics, Horticulture, Molecular biology, etc.

31. Details of Infrastructural Facilities:

a. Library : YES

b. Internet Facilities for Staff & Students: YES

c. Class rooms with ICT Facility: 02

d. Laboratories: 04

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 25 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

YES,

Expert lectures from experts. Workshops, project works, industrial tour, weekly seminars, exhibitions, paper presentations, poster presentation.

- Students visited Horlicks Factory, Rajahmundry and CTRI, Rajahmundry
- Students visited Milk factory, Vijayawada
- Students regularly attend the student paper contests at various other colleges.

34. Teaching methods adopted to improve student learning :

1. Class room teaching using LCD Projector.
2. Demonstrations.
3. Group discussion.
4. Quiz programmes.

35. Participation in Institutional Social Responsibility(ISR) & Extension Activities:

1. Blood grouping.
2. HB determination for girl students.
3. Industrial visits.

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
1.A good number of experienced & qualified faculty members are working in fields of Biochemistry, Biotechnology and Microbiology.	1.Securing the placements for the students through campus in life sciences field. 2.Academic syllabus is designed by university and no scope to implementation of new topics.	1.Well equipped labs 2.Scope to work with pharmacy and dental colleges in the campus.	1. Improment in the employment potential of students by making them mor competitive. 2. Building the network of alumini for improving the placements.

DEPARTMENT PROFILE

1. Name of the department: COMMERCE
2. Year of Establishment:2012
3. Names of Programmes/Courses Offered:B.Com (Vocational- Computers)
4. Names of Interdisciplinary courses and the departments/units involved:
COMPUTERS
5. Annual/semester/choice based credit system(programme wise):
Annual/Semestersystem as per Adikavi Nannaya University, Rajahmundry.
6. Participation of the department in the courses offered by other departments:
YES
7. Courses in collaboration with other Universities, Industries, Foreign Institutions etc...:
NIL
8. Details of Courses/Programmes discontinued(if any) with reasons :
NIL
9. Number of Teaching Posts:

Designation	Sanctioned	Filled
Professors		
Associate Professors		
Assistant Professors		
Lectures	06	05

10. Faculty profile with Name ,Qualification ,Designation,

Specialization (D.Sc/D.Litt/Ph.D/M.Phill etc..)

Name	Qualification	Designation	Specialization	No .of Years of Experience	No. Of Ph.D students guided for last 4 Years
D.Satyanarayana	M.COM	HOD	Co-operative management	16	nil
NVR Ravikumar	M.A.,M.CO M.,	Sr. Lecturer	accounting	15	nil

R V N Prameela	M.COM., M.B.A.	Lecturer	accounting	04	nil
R.Srinivas	M.COM., B.ED	Lecturer	accounting	03	nil
B.V.Satya Prakash	M.Com	Lecturer	finance	13	nil
P.Naga Valli	M.Com	Lecturer	finance	01	nil

11. List of Senior visiting Faculty:

Dr.J.CHANDRA PRASAD, Retd. Principal, DNR College

Sri Y.V.S.S. SARMA, DNR College

Dr.G.Subba Raju, Shri Vishnu Engg. College

Sri D. Guru Prasad, LIC of India

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:

NIL

13. Student-Teacher Ratio(Programme wise):

Programme	Student Teacher Ratio
B.COM.,(VOCATIONAL) COMPUTERS	30:1

14. Number of Academic Support Staff(technical) and Administrative Staff, sanctioned and filled :

Support staff (technical): NIL

Administrative Staff: NIL

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phill/PG :

Name	Qualification
D.Satyanarayana	M.COM
NVR Ravikumar	M.A.,M.COM.,
R V N Prameela	M.COM.,

	M.B.A.,(Ph.D)
R.Srinivas	M.COM., B.ED
B.V.Satya Prakash	M.Com
P.Naga Valli	M.Com

16. Departmental projects founded by DST-FIST, UGC, DBT, ICSSR, etc..and total grants received : NIL

17. Research centre/ Facility recognized by the University: NIL

18. Publications:

No. of papers published in paper reviewed journals National: 05

International:NIL

Total: 05

19. Areas of Consultancy & Income generated :

NILL

20. Faculty as members in :

S.NO	Name of the Faculty	Members in
1.	N.V.R RAVI KUMAR	B.O.S., ANUR

21. Student Projects :

- Percentage of students who have done in-house projects including inter department /programme : NILL
- Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/Other Agencies: NILL

22. Awards/Recognitions received by Faculty & Students: UNIVERSITY 7TH RANK IN ANUR ,RAJAHMUNDRY MARCH/APRIL,2014 (II B.COM., VOCATIONAL)

23. List of Eminent Academicians & Scientists/Visitors to the Department: NIL

24. Seminars/Conferences/workshops organized & the source of funding :

Workshops:01. ASPIRE 2013

Seminars: NIL

Conferences: NIL

25. Student profile programme/Course wise :

Academic year	Course	Male	Female	Total
2014-2015	III B.Com., VOCATIONAL COMPUTERS	24	17	41
2014-2015	II B.COM VOCATIONAL COMPUTERS	35	29	64
2014-2015	I B.COM VOCATIONAL COMPUTERS	47	25	72

26. Passing percentage of students in the Academic Year : 2014-2015(III B.COM)

Class	Subject	No. of students appeared	No. of Students passed	Percentage of passing
IIIB.COM	FOUNDATION COURSE	40	39	97.5%
	CMA	39	31	79.5%
	CORPORATE ACCOUNTIN	39	37	94.9%
	BUSINESS LAWS	39	38	97.4%
	AUDITING	39	38	97.43%
	ACCOUNTING SOFTWARE APPLICATIONS	39	39	100%
	COMPUTER APPLICATIONS IN BANKING	39	39	100%

RESULT ANALYSIS

CLASS	SUBJECT	NO.OF STUDENTS APPEARED	NO.OF STUDENTS PASSED	PASS PERCENTAGE
III B.COM	WHOLE SUBJECTS	39	32	82.05

Passing percentage of students in the Academic Year : 2014-2015(II B.COM)

CLASS	SUBJECT	No.of students appeared	No.of students passed	Pass percentage
II B.COM	C.I	63	62	98.4%
	F.A-II	63	54	66.67%
	FSBI	63	54	85.7%

RESULT ANALYSIS

CLASS	SUBJECT	No.of students appeared	No.of students passed	Pass percentage
II B.COM	WHOLE SUBJECTS	63	37	58.73%

Passing percentage of students in the Academic Year : 2014-2015(I B.COM)

CLASS	SUBJECT	No.of students appeared	No.of students passed	Pass percentage
I B.COM	ETHICS AND VALUES	69	66	95.65%
	F.A-I	69	65	94.2%
	B.O.M	69	68	98.55%
	F.I.T	69	67	97.10%

RESULT ANALYSIS

Class	Subject	No.of students appeared	No.of students passed	Pass percentage
I.B.Com	Whole Subjects	69	59	85.5%

1. Diversity of Students:
OC/BC/SC/ST
2. How many students have cleared national & state competitive examinations such as NET, SLET, GATE, Civil services, Defence services etc.. ?

NIL

30. Student progression :

- B.COM to Employment: Software/ Banking/ Insurance
- B.COM to P.G.: M.Com/ MBA
- B.COM. to Entrepreneurs

The subjects of COMMERCE is a compulsory subject at all three levels. Hence there is tremendous scope for higher studies for students. Students will go for post graduation in M.COM., M.B.A., M.C.A., (if the student has Mathematics as a subject in intermediate). B.COM students are eligible to placements; We are training the students for campus placement drives for companies like WIPRO, JENPACT, NET EnRICH etc.,

31.Details of Infrastructural Facilities:

- a. Library : YES
- b. Internet Facilities for Staff & Students: YES
- c. Class rooms with ICT Facility: 02
- d. Laboratories: NIL

32. Number of Students receiving Financial Assistance from College , University , Government or other Agencies:

Almost 70 percent of the students get scholarships from AP government. College is providing merit scholarships ranging from 2000/- to 3000/- for around 25 students every year.

33. Details on Student Enrichment Programmes (Special lectures/ Workshops/seminar) with External Experts :

YES,

Expert lectures from experts, Industrial tour, seminars, exhibitions, paper presentations.

- Sri G. Guruprasad, LIC of India gave a lecture on Insurance & Finance
- Sri S. Prasad, Manager, Indian Bank delivered a guest lecture on E Banking.
- Students presented papers in INSPIRE 2013 and other conferences.
- Students visited M/s Vennar Ceramics Ltd. Kaikaluru , Krishna District , A.P.
- Students visited M/s Delta Paper Mills Ltd., Vendra , W.G.Dist., A.P.

34. Teaching methods adopted to improve student learning :

1. Class room teaching using LCD projectors
2. Demonstrations.
3. Group discussion.
4. Quiz programmes.

35. Participation in Institutional Social Responsibility (ISR) & Extension Activities:

NIL

36. SWOC analysis of the department and Future plans:

Strength	Weakness	Opportunities	Challenges
Commitment Dedication	Low standards of input students.	Securing the placements for the students through campus drives.	Getting good input students. High competition among many surrounding colleges.

Best Practice

1. Title of the Practice:

“ Integrated Training Programme (ITP)”

2. Goal:

The main objective rather than goal is to make student more marketable with educational qualification as well as all round personality. To achieve this goal/objective the institution is conducting training programmes on Aptitude, spoken English and other soft skills that are very much essential for global marketing. Being located in a rural back drop the input students are very shy while expressing in English which makes them less saleable and sometimes not saleable also. The ITP programme starts with English Club activities like Role Playing, Story Telling, One minute seminar, Elocution, Debating and Group Discussion. This practice starts from the first year of their study. In the second year training classes on Aptitude, Reasoning along English communication skills are being conducted while in the third year Aptitude, Communication skills and Computer skills and short programs are taught. This kind of training facilitates the outgoing students to foster ahead in the employment as well as higher education endeavors.

3. The Context:

As mentioned above the main challenges as far as marketing the students is concerned are language barrier and shyness of students. These two make the students passive learners and silent trespassers. Though the medium of instruction in their Intermediate studies is English the students consider English as a language subject to be qualified to go for higher studies as such they do not give much importance to English. But the globalization scenario makes English as an essential course of study with an emphasis spoken skills and other soft skills. However, Universities did not offer such courses in the curriculum earlier and it has become an inevitable program for us to introduce in our course plan. Though this is an extra exercise for the regular faculty we have taken up this activity for the benefit of the students and for their better future.

4. The Practice:

The ITP classes for placement and higher education training includes Arithmetic Reasoning, Aptitude, Verbal Reasoning, Communication skills, Soft skills,

Computer skills, Subject skills and rigorous practice of all these. Senior faculty members usually handle these classes in addition to their regular workload. As there are many other institutions in the same campus services of some of the senior faculty of those institutes are also taken now and then for creating interest among the learners. Until now there is no such practice in the university curriculum which made the students under saleable. However, the college management opined that ITP is an essential practice to carve the students into marketable products as well as useful citizens of the nation. Selected faculty members were trained by tutorial experts of Aptitude and reasoning so that they can handle those classes with necessary skillset. The important constraint in getting the students attend the classes is lack of focus on employment challenges and future requirements. Most of the boys are reluctant to attend the classes as they are under the impression that this programme doesn't give any certificate of qualification. Procrastination is another hurdle in getting the students motivated for bright career.

5. Evidence of Success

The proof for the ITP is the student progression. The in – house training for higher education through common entrance tests, conducted by different universities, has shown considerable success and indicates the usefulness of such training. The final year students are given training/coaching for ICET, AUCET, ANURCET for higher education admissions in addition to the campus recruitment drives and other competitive exams. The number of students going for higher education is increasing year after year which shows the importance of higher qualification before settling in the life. At the same time employment need is also given equal focus for getting a placement after studies has become very difficult in the recent times. The results of the integrated training programme are emphasized in the following table.

Year	Student Progression	
	Placements	Higher Education
2011-12	97	23
2012-13	57	43
2013-14	25	57
2014-15	91	64

6. Problems Encountered and Resources Required:

Though the programme is an innovative one it also has certain hurdles like mobilizing finances for conducting the programme. As most of the students are from economically backward group they cannot afford paying for training programs in addition to the tuition fee. As such the institution needs to pay for expert coaching given by outside experts. Initially students attend the ITP classes

and later they start absenting the reason identified for this is that these subjects are not the university syllabus and they feel these classes useless. Repeated counseling is required to bring them back to the ITP classes. Once some students get placements then they realize the significance of ITP and start attending the classes.

7. Notes (Optional):

For making the students academically strong they are encouraged to participate in seminars and paper presentations outside the campus. They can obtain the essential skills only when they are exposed to such activities outside the campus.

There is a student run helping hand named as “ Nestham”, through students help poor students by generous donations like one rupee a day. This activity cultivates a good culture and social responsibility among the student community.

Student volunteers go to the nearby B.V.Raju Knowledge Center to assist high school students in science experiments and computer operation.

8. Contact Details

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Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal

Place:

Date: