SELF-STUDY REPORT FOR AUTONOMOUS COLLEGE FOR THIRD CYCLE ASSESSMENT-2016

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

An Autonomous Institution of the University Grants Commission
P.O. Box No.1075, Nagarbhavi
BANGALORE-560072

By

G. Pulla Reddy Engineering College
(An Autonomous College)

(Accredited by NAAC of UGC & NBA of AICTE)
G.Pulla Reddy Nagar, Nandyal Road, KURNOOL - 518 007, AP, India.
Email: principal@gprec.ac.in / principalgprec@gmail.com Website: www.gprec.ac.in
Phone: 08518-270957 (O) / 08518-280719 (D) Fax : 08518-270957

PREFACE

This Self Study Report (SSR) prepared in connection with seeking the Third Cycle of Accreditation by NAAC is strictly in accordance with the format given by NAAC. All the Stakeholders have been consulted to obtain the information on various aspects. The information required is presented in the concise and to the point manner. Wherever the presentation warrants it, the description was made simple, easy to understand and relevant.

Our SSR contains the information sought by NAAC in nine parts namely

A. Covering Letter from the Principal
B. Executive Summary – The SWOC Analysis of the Institution
C. Profile of the Institution
D. Criteria-wise Analytical Report for Seven Criteria
E. Inputs from each of the Departments in the respective formats
F. Post Accreditation Initiatives
G. Declaration by the Head of the Institution
H. Compliance Certificate
I. Enclosures

Visuals related to various events organized by the college can be found in the facebook of the college website www.gprec.ac.in.

It is hoped that the Peer Team visiting the college will find the SSR clear, unambiguous and upto the mark.

PRINCIPAL

CONTENTS

Estd : 1985

G. Pulla Reddy Engineering College (Autonomous)

(SPONSORED BY G. PULLA REDDY CHARITIES TRUST, HYDERABAD)

Nandyal Road, Kurnool - 518 007, Andhra Pradesh, India.
Affiliated to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.

A. COVERING LETTER

From
The Principal

To
The Director,
National Assessment and Accreditation Council (NAAC),
P.O.Box No.1075, Nagarbhavi,
BANGALORE-560072.

Sir,

Sub: Submission of Self – Study Report (SSR) to NAAC for the purpose of Third Cycle of Accreditation by NAAC – G. Pulla Reddy Engineering College (Autonomous), Kurnool – 518007 – Reg.,

The G. Pulla Reddy Engineering College (Autonomous) was accredited by NAAC for the first cycle in 2005 for five years w.e.f. **28/02/2005** and for the second cycle in 2011 for five years w.e.f. **30/11/2011** for its UG and PG Courses.

The Self Study Report (SSR) for Third Cycle of Accreditation by NAAC is placed on the College website www.gprec.ac.in on 12.10.2016. The hard copy of SSR will be submitted well within due time.

This is for your kind information.

Thanking you,

Yours faithfully,

6/10/2016

(Dr.B. SREENIVASA REDDY)
Principal.

PRINCIPAL
G. Pulla Reddy Engg. College
(Autonomous)
KURNOOL-518007 (A.P)

G. Pulla Reddy Engineering College

3

Accredited by NBA of AICTE ✱ Accredited by NAAC (Grade - A) of UGC ✱ Recognised by UGC Under 2(f) & 12(B)

B. EXECUTIVE SUMMARY

G. Pulla Reddy Engineering College (Autonomous), Kurnool, an institution of repute in the Rayalaseema region of the state of Andhra Pradesh is the brain child of late Sri G. Pulla Reddy (10-01-1921 to 09-05-2007), a visionary and renowned philanthropist. A humanist to the core, his love for quality education and concern for his native district, manifested themselves in the form of this college. The institute is one of the oldest Engineering Colleges in the state of Andhra Pradesh, established in 1984. The Government of A.P. through its order No G.O.MS 259, dated 14th September, 1984 gave permission to the G. Pulla Reddy Charities Trust (GPRCT), to establish the G. Pulla Reddy Engineering College (GPREC) at Kurnool from the academic year 1984-85. The college was inaugurated by the world famous ophthalmologist, Padma Bhushan Dr. P. Siva Reddy on 22nd February, 1985.

The Trust was formed by late Sri G. Pulla Reddy, with the motto of serving the society and especially the people of the backward region of Rayalaseema, in which Kurnool town is located. The Trust manages and runs many educational institutions, hospitals and orphanages, with the aim of serving the needy sections of the society. Some of these include,

➢ G. Narayanamma Institute of Technology and Science, Hyderabad
➢ G. Pulla Reddy Dental College and Hospital, Kurnool
➢ Gokavaram Hospital , Gokavaram (Native place of Sri G. Pulla Reddy garu), Atmakur (Tq), Kurnool (Dt)
➢ Respite Home for Mentally Challenged Girls, Kurnool
➢ Vignanapeetam, a School for Orphans, Kurnool

During its 32 years of existence, the institute has produced many eminent engineers as professionals, researchers and entrepreneurs. Many of its alumni occupy key positions in industries and institutions in India as well as abroad.

Originally, the college was affiliated to Sri Venkateswara University (SVU), Tirupati. The affiliation was shifted to Sri Krishnadevaraya University ,Ananthapuramu in 1987 and subsequently to JNTUA in the year 2010.

The institution, which made a modest beginning, in Feb. 1985, with an intake of 180 students, in three branches of Engineering namely (i) CE, (ii) ME and (iii) ECE, about a dozen faculty members and half-a-dozen supporting staff, has made a steady and spectacular progress. Today, the college, sprawling over a 30 acre campus, is a hub of academic and research activity. There are about 3500 students, 200 faculty members and 150 supporting staff.

During its journey of more than three decades, the college has many achievements to its credit, which include,

a) Increase in intake from 180 to 780 in various stages
b) Increase in the number of branches from 3 to 5
c) Starting 7 PG programmes in 5 branches of Engineering
d) Recognition as a research centre by JNTUA and starting Ph.D programs
e) Permanent affiliation granted by SKU as well as JNTUA
f) Approval by AICTE for all the programmes offered

g) Accreditation by NBA thrice
h) Accreditation by NAAC twice
i) Accreditation by TCS and Institution of Engineers(India)
j) Resource Centers for Spoken Tutorial Project and T10kT of NMEICT of IIT Bombay
k) Two '*Best Teacher Awards'* by the Govt. of AP
l) *"The College With Best Placements"* award by the Govt. of AP
m) Advanced Campus Connect Partner Institute of INFOSYS
n) Ranked among the top 20 Engineering Colleges of AP by 'Outlook Career 360' magazine
o) Ranked among the top 100 Engineering Colleges of India by 'Outlook Career 360' magazine
p) Conferred *Autonomous* status by UGC
q) Declared as '*The College With Potential for Excellence'* by UGC
r) Entered into MOUs with number of Industries / Research organizations
s) MOU with University of Tennesse, Knoxville, U S A
t) Externally funded research projects from funding agencies like AICTE , UGC, etc., worth Rs.1 Crore and two research awards for faculty from UGC.
u) Overseas Alumni Meets organized at two places (San Jose and Washington D.C) in *USA,* in 2012
v) Organized one IEEE International Seminar on "Power, Control, Communication and Computational Technologies for Sustainable Growth" (PCCCTSG) in 2015.
w) Organized an International Workshop on **'Outcome Based Education'** in 2015
x) Conducted three open Technical Exhibitions for the public of Kurnool and its surroundings
y) Established Siemens India Skill Development Center
z) Recognized Cisco Networking Academy and LabVIEW Academy

The college has excellent infrastructure coupled with latest equipment in all the laboratories of all the departments, library with more than 15000 titles and about 65000 volumes, digital library section providing access to all the online journals and NPTEL, excellent sports facilities which include an indoor stadium, Gymnasium(with multi - gym facility) separately for men and women, and decent hostels for girls and boys on the campus.

Amenities like Bank, Post Office, Dispensary, two ATMs , Telecom Centre, 250 kVA Diesel Generator set and 200 kWp roof top Solar Plant to ensure uninterrupted power supply are available on the campus. Good transport facilities are made available.

GPREC is ranked among the best institutions of the region and one of the most sought after colleges in Andhra Pradesh for admission into engineering programmes. It is striving hard to achieve its objective of serving the backward region of Rayalaseema to the best of its abilities. The institution is trying to keep the flame of learning ablaze, so that it can produce employable Engineering graduates, who can serve the nation and address the needs of the society. With its impeccable record of discipline, development and dedication, the college has been able to keep pace with the advancements in the field of Higher Education and has been scaling newer heights.

The strategic planning to improve further the quality of education and Research & Development, setting various objectives, is based on the Strengths, Weaknesses, Opportunities and Challenges (SWOC) Analysis.

The opinions of all the stakeholders formed the basis for SWOC analysis. The SWOC analysis was performed by consulting the stakeholders like students, parents, faculty, administrators, and Human Resources personnel from the industry.

Moreover alumni, external peer groups of the various faculties in the University Inspection Teams, AICTE –NBA inspection teams, and UGC inspection teams have provided the basis for the SWOC analysis. The highlights of the analysis include attributes, such as the strengths in curricular, co-curricular and extra-curricular areas, in the undergraduate educational system of the Institute.

Specifically, the attributes like 90-95% graduation rate with approximately 50% of the students having distinction and about 70% placement for the eligible graduating students and about 20% students having opted to go in for higher education programmes by enrolling in foreign universities, reflect the existence of a high-quality undergraduate programme in the institution. The above findings are truly indicative of the objectives of the College inherently present in the Vision and Mission of the institution.

SWOC ANALYSIS:

The following are the Key findings of the SWOC analysis on Strengths, Weaknesses, Opportunities and Challenges.

STRENGTHS

- A well balanced mix of experienced elders and enthusiastic youth among the faculty
- Pragmatic management providing excellent leadership and support for expansion and development
- Use of ICT for improving processes and operations of the institution
- Excellent and well-maintained infrastructure
- Planned growth and expansion
- Conducive teaching-learning environment supported by library, ICT, OERs, and well equipped labs
- Dedicated and competent team of faculty
- About 25% of the teaching staff are Ph.Ds and quite a few teachers have submitted their theses and are likely to get their Ph.D degrees soon. All of them have published papers in reputed Journals.
- The teaching learning process moves beyond the confines of the class rooms and teachers willingly make themselves available to the students even after the mandatory teaching sessions.
- Effective and supportive guidance from the governing body is a pillar of strength for the college which gives the needed impetus for robust growth.
- Many societies and clubs functioning in the college for the overall development of the students. These are managed by students with the faculty playing an advisory role.

➢ The Internal Quality Assurance Cell (IQAC) of the college plays a vital role in ensuring quality in education through various quality sustenance and enhancement measures and monitoring mechanisms.
➢ A relentless effort to upgrade the performance of the students.
➢ Initiatives aimed at community welfare
➢ Conducting outreach programmes.
➢ Vivekananda Study Circle (VSC-Service Organization) and National Service Scheme units functioning effectively to address the issue of Institutional Social Responsibility (ISR).
➢ Mentoring Cell that addresses the psychological and emotional issues faced by students as well as the staff.
➢ Strong infrastructure base.
➢ Well equipped laboratories, periodically modernized.
➢ Large collection of books and journals in the central library with digital library section.
➢ Wi-Fi enabled campus.
➢ Offering of P.G and Ph.D programmes gives an impetus to the research activities.

WEAKNESSES

➢ Locational disadvantage is the major hurdle in forging productive partnerships with industry, research bodies and International collaborations with Foreign Universities.
➢ Large number of students from socio-economically backward communities.
➢ Rural background of the students and their lack of communication skills.

OPPORTUNITIES

➢ Proposed new master-plan of the College which is going to give a new improved infrastructure and working environment to faculty, staff and better facilities for the students.
➢ Skill-based courses under CBCS, which will provide an opportunity for the faculty to utilize some of their research and expertise for the benefit of students and their prospective employers.
➢ Introduction of more add-on courses for the benefit of students.
➢ Good rapport and credibility with external agencies to help the institution forge useful collaborations for mutual growth.
➢ Further deployment of technology to make operations smoother and better.
➢ A modern infrastructure shall open the doors to a world of opportunities for the College.
➢ Potential and scope for introduction of new courses.
➢ Tremendous opportunities for national and international collaborations with other Universities.
➢ Collaboration with industry is likely to provide students with useful insights on professional skills with a thrust on entrepreneurial culture.
➢ Training sessions and workshops to be organized for professional and academic development of the faculty.
➢ Academic collaboration with professional institutes and other Universities for introduction of professional courses as well as add on certificate courses.

- More IT & ITES to play a major role in teaching learning process.
- Opening up of time specific and need specific new programmes.
- Introduction of outreach programmes.
- Introduction of skill development programmes.
- Expansion of existing outreach programmes.
- Tapping the hidden potential of students.
- Inter-disciplinary research centres can be established with funds from external agencies.
- Value added courses can be introduced to improve the employability of students.
- Faculty and student exchange programmes can be implemented by having MOUs with leading universities and research organizations.
- Industrial consultancy services can be taken up by all the Departments.

CHALLENGES

- To operate within the existing infrastructure, even as the College is expanding, till new master-plan comes around.
- To keep maintenance costs in check as the equipment ages, and to maneuver and manage steady source of funds for new procurements and replacements.
- To find more infrastructural and systemic mechanisms to support the research and knowledge creation, within current operating conditions.
- To be conscious and vigilant about the obligation of the institution to reinforce the importance of a mindset conducive for a compassionate outlook among students to inculcate the professional and human values.
- To motivate students to develop a deeper sense of critical and analytical thinking and to cultivate in them an endeavoring passion to be conscious morally and socially.
- To encourage research attitude among students and instill an innovation prone thought process.
- To strengthen the Alumni forum by which regular contact could be maintained with them and valuable feedback obtained.
- To establish the real connect between information, knowledge and wisdom and incorporate their applicability in the conventional teaching methods.
- To evolve the institution in terms of aesthetic appearance.
- To improve and to become one of the best technical institutions in the entire state and to compete with the renowned universities in the future.
- Refurbishment of existing equipment and tools.

The college has initiated a process of introspection in all the Departments to identify the Strengths, Weaknesses, Opportunities and Challenges (SWOC) and plan for future expansion and growth to be able to meet the aspirations of the society. As a follow up of this, the college has applied for accreditation with the National Assessment and Accreditation Council (NAAC), Bangalore, an Autonomous Institution of the University Grants Commission in 2011 and has been accredited with "A" grade.

Now the Institution has taken the initiative to apply for reaccreditation with NAAC not only to maintain its reputation but also to ensure further development and growth.

Data of the college is recorded in the format, as suggested by the NAAC and is being submitted as the Self Study Report (SSR) consisting of the Evaluative Reports of the Institution and Departments.

The following faculty members were involved in the preparation of the Self Study Report, submitted to the NAAC.

1. Dr. P. Jayarami Reddy, Director
2. Dr. B. Sreenivasa Reddy, Principal
3. Dr. Y. V. Mohan Reddy, Professor & HOD of ME
4. Dr. N. Kasiviswanath, Professor & HOD of CSE
5. Dr. T. Brahmananda Reddy, Professor & HOD of EEE
6. Dr. K. Suresh Reddy, Professor & HOD of ECE
7. Prof. M. Basha Mohiddin, HOD of CE
8. Dr. K. Madhava Reddy, Professor of ME & HOD of BS
9. Dr. V. Satish Kumar, Professor of ME & Controller of Examinations
10. Dr. B. Veerabhadra Reddy, Professor of ME & Training & Placement Officer
11. Dr. S.S. Rama Rao, Professor of English
12. Dr. R. Praveen Sam, Professor of CSE

C. PROFILE OF THE INSTITUTION

1. Name and Address of the College:

Name:	**G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):Kurnool**	
Address :	**G.Pulla Reddy Nagar, Kurnool-518007. A.P**	
City : **Kurnool**	Pin: **518007**	State: **Andhra Pradesh**
Website :	**www.gprec.ac.in**	

2. For communication:

Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	Dr. P.Jayarami Reddy	08518-270957	09885821064	08518-270957	director@gprec.ac.in directorgprec@gmail.com
Principal	Dr. B.Sreenivasa Reddy	08518-270957	09966236632	08518-270957	principal@gprec.ac.in principalgprec@gmail.com
Steering Committee Coordinator:	Dr. R.Praveen Sam	08518-270957	09848947982	08518-270957	pae@gprec.ac.in

3. Status of the Autonomous College by management.
   I. Government
   II. Private [√]
   III. Constituent College of the University

4. Name of University to which the College is Affiliated :
   Jawaharlal Nehru Technological University Anantapur, Ananthapuramu
5. a. Date of establishment, prior to the grant of 'Autonomy': **22/02/1985**
   b. Date of grant of 'Autonomy' to the College by UGC: **19/06/2006**

   Extension of Autonomy was granted for Six Years by UGC from 2012-13 to 2017-18
6. Type of Institution:
   a. By Gender
      i.   For Men
      ii.   For Women
      iii.   Co-education [√]

   b. By Shift [√]
      i.   Regular
      ii.   Day
      iii.   Evening

c. Source of funding
   - i.   Government
   - ii. Grant-in-aid
   - iii. **Self-financing**   √
   - iv. Any other (Please Specify)

7. Is it a recognized minority institution?

   Yes

   No   √

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

8. a. Details of UGC recognition:

Under section	Date, Month & Year (dd-mm-yyyy)	Remarks (if any)
i.2(f)	30-01-1992	Copy enclosed
ii.12(B)	30-01-1992	Copy enclosed

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

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

Under Section/clause	Day, Month and Year (dd-mm-yyyy)	Validity	Programme/ institution	Remarks
i. AICTE	25-04-2016	One year	Institution	Copy enclosed

(Enclose the Certificate of recognition/approval)

9. Has the college been recognized

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

      Yes   √   No

      If yes, date of recognition: **22/04/2016** (dd/mm/yyyy)

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

      No   √   Yes

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

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

10. Location of the campus and area :

Location *	Rural
Campus area in sq. mts. or acres	32.75 acres
Built up area in sq. mts.	45413.4 sq.mts

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

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

Auditorium/seminar complex	√

Sports facilities
  * play ground
  * swimming pool
  * gymnasium
	√
	-
	√

Hostel	
* Boys' hostels	√
* Girls' hostels	√
Residential facilities	
* for teaching staff	-
* for non teaching staff	-
Cafeteria	√
Health centre	
* First aid facility	√
* Inpatient facility	-
* Outpatient facility	√
* Ambulance facility	√
* Emergency care facility	√
Health centre staff	
* Qualified doctor	**Full time** √
* Qualified Nurse	**Full time** √
Other facilities	
* Bank	√
* ATM	√
* post office	√
* book shops	√
Transport facilities	
* for students	√
* for staff	√
Power house	√
Waste management facility	**Available**

12. Details of programmes offered by the institution: (Give data for current academic year) (2016-17)

Sl. No	Programme Level	Name of the Programme/ Course	Duration	Entry qualification	Medium of instruction	Sanctioned/approved student intake	No.of Students admitted
1	UG	B.Tech-CE	4 yrs	Inter	English	120	120
		B.Tech-ECE	4 yrs	Inter	English	180	180
		B.Tech-ME	4 yrs	Inter	English	180	180
		B.Tech-CSE	4 yrs	Inter	English	180	180
		B.Tech-EEE	4 yrs	Inter	English	120	120
2	PG	M.Tech-CAD/CAM	2 yrs	B.Tech	English	18	6
		M.Tech-TSES	2 yrs	B.Tech	English	18	10
		M.Tech-CSP	2 yrs	B.Tech	English	18	9
		M.Tech-PE	2 yrs	B.Tech	English	18	8
		M.Tech-CSE	2 yrs	B.Tech	English	18	13
		M.Tech-Struc.Engg.	2 yrs	B.Tech	English	18	18
		M.Tech-VLSI&ES	2 yrs	B.Tech	English	18	17
3	Ph.D	Ph.D-CE	3 yrs	M.Tech	English	Admissions are yet to be finalized	
		Ph.D-ECE	3 yrs	M.Tech	English		
		Ph.D-ME	3 yrs	M.Tech	English		
		Ph.D-CSE	3 yrs	M.Tech	English		
		Ph.D-EEE	3 yrs	M.Tech	English		

13. Does the institution offer self-financed Programmes?

Yes √   No ☐

If yes, how many? **17 Programmes**

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

Yes √   No ☐

If yes Number 6

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

Particulars	Number	Number of Students
Science		
Under Graduate		
Post Graduate		
Research centre(s)		
Arts		
Under Graduate		
Post Graduate		
Research centre(s)		
Commerce		
Under Graduate		
Post Graduate		
Research centre(s)		
Any Other (please specify)		
Under Graduate	5	3411
Post Graduate	5	183
Research centre(s)	5	

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

No

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

    a. annual system   ☐
    b. semester system   12
    c. trimester system   ☐

18. Number of Programmes with
    a. Choice Based Credit System
    b. Inter/Multidisciplinary Approach
    c. Any other (specify): **Credit Based Grading System : 12**

19. Unit cost of education:
    (Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)
    (a). Including the salary component   Rs. 55,773

    (b). Excluding the salary component   Rs. 10,194

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

   Yes [ ] **No** [√]

   If yes,
   a. How many years of standing does the department have?
      ……… years
   b. NCTE recognition details (if applicable)
      Notification No.: ………………………
      Date: …………………………… (dd/mm/yyyy)
   c. Is the department opting for assessment and accreditation separately?
      Yes [ ] No [ ]

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

   Yes [ ] No [√]

   If yes,
   a. How many years of standing does the department have?
      ……… years
   b. NCTE recognition details (if applicable)
      Notification No.: ………………………………
      Date: ………………………… (dd/mm/yyyy)
   c. Is the department opting for assessment and accreditation separately?
      Yes [ ] No [ ]

22. Whether the College is offering professional programme?

   Yes [√] No [ ]

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

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

   YES. Fact Finding Committee of JNTUA visited our college on 22nd May 2015 and gave approval for Permanent Affiliation for a period of Five Years.

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

Positions	Teaching faculty						Non-teaching Staff		Technical staff	
	Profesor		Associate professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC / University /State government *Recruited* *Yet to recruit*	-	-	-	-	-	-	-	-	-	-
Sanctioned by the management /society or other authorized bodies *Recruited* *Yet to recruit*	25	-	50		150		33		81	

*M - Male *F - Female

25. 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.	20	2	18	2	5	3	50
M.Phil.							
PG	2	--	12	--	90	44	148
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

26. Number of Visiting Faculty/ Guest Faculty engaged by the College.

S.No	Dept.	Name of Faculty	Qualification	Designation & Company
1	CE	Dr.Kirshna Sandepudi	Ph.D (USA)	Senior Bridge Design Engineer, Aarvee Associate
2	CE	Dr.T.S.reddy	Ph.D	Scientist (retd.), CRRI, New Delhi
3	CSE	Sri.P.Suresh Kumar	M.Tech	Founder Director & CEO Graceful Growth Consulting PVT.Ltd.

4	CSE	Dr.K.Ragavendra	Ph.D	Sr.Scientist ADRIN (ISRO) Hyderabad
5	CSE	Dr.Rajkumar Buyya	Ph.D	Director for Cloud Computing Center & Professor Melbourne University, USA
6	ECE/EEE	Sri.B.Vamsi Rama Mohan	B.Tech, MBA	Chief Manager, Power Grid New Delhi
7	EEE	Dr.B.P.Singh	Ph.D	Ex.General Manager BHEL, Hdyerabad
8	EEE	Sri.C.Sai Prakash	M.Tech	CMD of SIV Pvt Ltd
9	ME	Dr.R.S.Chalapathi	Ph.D	Management, Consultant
10	ECE	Dr.C.Prasanna Raj Kumar	Ph.D	Dean, R&D Centre M.S. Ramaiah Engineering College, Bengaluru

27. Students enrolled in the College during the current academic year, with the following details: 2016-17

Students	UG		PG (as on 15.9.16)		Ph.D	
	M	F	M	F	M	F
From the state where the college is located	2093	1318	44	34	-	-
From other States of India	-	-	-	-	-	-
NRI Students	-	-	-	-	-	-
Foreign Students	-	-	-	-	-	-
Total	2093	1318	44	34	-	-

*M-Male * F-Female

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

UG | 32 | PG | 06 |

29. Number of working days during the last academic year. | 282 |

30. Number of teaching days during the last academic year | 0 | 2 | 1 | 0 |

31. Is the College registered as a study centre for offering distance education programmes for any University   Yes [   ] No [√]

If yes, provide the
a. Name of the University
b. Is it recognized by the Distance Education Council?

Yes [   ] No [   ]

c. Indicate the number of programmes offered.

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

S.No	Programme	Name of the Department	Teacher-student ratio
1	UG	B.Tech-CE B.Tech-ECE B.Tech-ME B.Tech-CSE B.Tech-EEE	1:14 1:17 1:17 1:13 1:14
2	PG	M.Tech-CAD/CAM M.Tech-TSES M.Tech-CSP M.Tech-PE M.Tech-CSE M.Tech-Struct. Engg. M.Tech-VLSI&ES	1:12 1:12 1:12 1:12 1:12 1:12 1:12
3	Ph.D	B.Tech-CE B.Tech-ECE B.Tech-ME B.Tech-CSE B.Tech-EEE	NA

33. Is the College applying for?

Accreditation   Cycle 1 ☐   Cycle 2 ☐   **Cycle 3** ☑   Cycle 4 ☐

Re-Assessment ☐

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

Cycle 1: **28/02/2005** (dd/mm/yyyy) Accreditation outcome/results
Cycle 2: **30/11/2011** (dd/mm/yyyy) Accreditation outcome/results
Cycle 3: …………………… (dd/mm/yyyy) Accreditation outcome/results
* Kindly enclose copy of accreditation certificate(s) and peer team report(s)
Cycle 1 refers to first accreditation; Cycle 2 and beyond refers to reaccreditation

35.   a. Date of establishment of Internal Quality Assurance Cell (IQAC)
              29/04/2005 (dd/mm/yyyy)
       b.   Dates of submission of Annual Quality Assurance Reports (AQARs).
              (i) AQAR for year **2011-12** on **12/08/2012** (dd/mm/yyyy)
              (ii) AQAR for year **2012-13** on **27/08/2013** (dd/mm/yyyy)
              (iii)AQAR for year **2013-14** on **03/09/2014** (dd/mm/yyyy)
              (iv)   AQAR for year **2014-15** on **23/08/2015** (dd/mm/yyyy)

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

D. CRITERIA – WISE ANALYTICAL REPORT

D.1.CRITERION I: CURRICULAR ASPECTS

1.1   Curriculum Design and Development

1.1.1   How are the institutional vision / mission reflected in the academic programmes of the College?

The vision and mission statements of the institution are amply reflected in the various academic programmes of the college. To become the choicest institute of technology, as outlined in the vision, the institution has adopted a holistic approach for achieving excellence in academics and industrial research and development using its academic programmes.

All the academic programmes are targeted to yield outcomes, that support the institution's mission of providing conducive academic atmosphere, for realising its vision.

The academic programmes have their curriculum designed with inputs on various aspects like fundamentals, problem solving, modern equipment usage and application of knowledge to address the needs of the society. The processes like design of syllabi, the imparting of knowledge and the all important student assessment and evaluation are all aligned with the overall goals and objectives of the institution.

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

Curriculum design and development, the institution believes, is a complex process. The design and development is to be accomplished in several phases and should involve the expertise of several experts. The various components of the process of design and development of curriculum are briefly described below.

Need Assessment:
The basic needs of the most important stake holders i.e students are assessed before beginning the process of design and development. A wide range of discussions are held to focus on the essential needs of the graduate students in specific disciplines. Domain specific requirements and accreditation criteria are also considered while assessing the needs. A flexible approach is adopted in the need assessment, to ensure the inclusion of professional and personal needs of the students.
Local needs and emerging national and global trends are also given due importance.

Mechanism:

The institution has its own Board of Studies (BOS), duly constituted as per the guidelines of the UGC. BOS is the body, entrusted with the framing of the curriculum for various courses of academic programmes. It consists of members drawn from industry and research organizations. Well placed alumni are also included as its members. The BOS meets at least once a year and more frequently, if needed.

The important steps involved in the design and development of the curriculum include,

- ➢ Preparation of draft curriculum, adopting outcome based approach by a group of faculty, who are engaged in studying the syllabi of technological institutions of repute, like IITs and NITs and holding discussions with peer groups and industrial experts
- ➢ Preliminary discussions on draft curriculum, in the meeting of internal members of BOS to fine tune the content.
- ➢ Thorough discussion on the draft curriculum and approval, with or without modifications, in the BOS meeting
- ➢ Review and final ratification of the BOS approved curriculum, by the Academic Council (AC), ensuring the standards in the content of the syllabus

Feedback:

Various good practices of the institution in initiating wide range of programmed options and courses, which have relevance, have resulted from the feedback obtained from all the stake holders, who include students, reputed academicians, faculty, industry experts, alumni and parents.

Periodic meetings of stake holders are held to elicit vital information on the design and development of curriculum to suit the overall requirement of students.

The feedback obtained is necessarily considered, in the framing of the curriculum.

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

The college has made it a policy to actively involve industry, research organizations and civil society in the design and development of curriculum. The involvement is of two types. Direct involvement and indirect involvement.

Direct involvement:

Representatives of industry and research organizations with rich and varied experience are nominated to the BOS to ensure that the needs of industry and research organizations are incorporated in the syllabus. Generally nominations are sought from those industries, which are actively involved in educational initiatives and have adequate expertise to give proper guidance to the institution in this regard.

Indirect involvement:

Frequent interaction with local industries and the civil society by the faculty of the college result in creating awareness about the required changes in curriculum to keep abreast of the developments and requirements.

The following courses have been introduced in various departments reflecting the involvement of the industry / R&D organizations.

Department	Courses / Electives introduced	Industry / Organisation that suggested the course
Civil Engineering	Environmental Impact Assessment and Management (EIA)	A. P. Pollution control Board, Kurnool.
	Infrastructure Engineering (IE)	R&B Department, Kurnool

Electronics and Communication Engineering	Embedded systems (INTEL Atom Processors)	Intel Corporation Pvt, Ltd, Bangalore
Mechanical Engineering	Product Life Cycle Management (PLM)	Tata Consultancy Services, Hyderabad.
Computer Science and Engineering	Introduction to Information Systems (IIS)	Infosys
	Advanced Information Systems (AIS)	Infosys
Electrical and Electronics Engineering	Substation Engineering (SE)	L & T
	Electrical Estimation and Costing (EEC)	Practicing Engineers
	Control and Automation Systems Lab	Robert Bosch
	LabVIEW & Controllers lab (LVCP)	National Instruments and Texas Instruments

Benefits to the College through the involvement of the stake holders:

➢ Association with the society and the subsequent interaction resulted in the introduction of some of the extra academic activities in the curriculum
➢ Inputs from various experts of industry / organizations resulted in the introduction of much needed internship programs for mutual benefit.
➢ Suggestions of expert representatives have been incorporated to update the content of various courses, ultimately benefiting the students.
➢ The aforementioned measures have brought in the much-needed holistic approach to the curriculum design and the benefits are reflected as most of the students graduating from the college are successfully catering to the needs of industry, government and society at large.

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

✴ *Employability*
✴ *Innovation*
✴ *Research*

The curriculum design and development invariably focuses on three key aspects, namely Employability, Innovation and Research to add value to the academic programmes being offered.

Employability:
➢ Project work and internship with orientation on industry / field exposure are made part of the curriculum to enhance the all important employability
➢ Opportunity to get exposure to advanced communication skills using established and well maintained laboratories resulting in enhancing the chances of placement.
➢ As mentioned in the point 1.1.3, the whole curriculum is Outcome Based. A student passing through this curriculum will be industry ready. The college has been receiving **'The National Employability Award'** instituted by '**Aspiring Minds'**, a reputed skill assessment company in the country, for the last four consecutive years.

Innovation:
- ➢ Students with imagination and innovation are groomed and their skills are honed to undertake innovative projects
- ➢ Various certification programs, started in the institution with the support of the industry, provide opportunities to the student community to be innovative.
- ➢ To satisfy the curriculum requirements students have to work on a project during their final year of study. They are provided with ample opportunities to learn new things by doing and also to be innovative.

Research:

- ➢ Involvement in in-house projects of various departments.
- ➢ To the extent feasible, projects with research orientation are offered for effective research orientation.
- ➢ Depending on the need and scope students are encouraged to get involved in research programs of sponsored category.

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

College is making all efforts to ensure that the curriculum developed is going to address the societal needs and has relevance to the region and nation.

Addressing the needs of the society:

- ➢ The students are familiarized with the needs of the society and have enough knowledge of the requirement on their part. The development of the curriculum is so planned that the fundamentals are followed by learning and application.
- ➢ Thrust areas, associated with the immediate social concern are given due importance in the framing of the curriculum. To name a few, development of infrastructure, effects of environmental degradation and cyber security are included in the curriculum.
- ➢ The curriculum also addresses the need of the all important community service programs to ensure active participation from the students.
- ➢ Project works like redesigning of road networks, traffic management are offered to inculcate the service orientation among students to help society.

Relevance to the regional / National developmental needs :

The curriculum developed by the college is made relevant to the regional and national developmental needs in many ways. Care is taken to address the needs, wherever possible and ensure the student is well aware of these needs and is able to address them in his / her own capacity.

Some of the instances where the curriculum has relevance to the needs include

- ➢ Civil Engineering Department involves its students in studying and applying principles of low cost housing and its implementation which would address the all important housing problem being faced by the nation.
- ➢ Computer Science and Engineering Department ensures through its curriculum that students get exposed and acquire knowledge about the cyber crimes and security, which has acquired national importance.

- ➢ In the curriculum, courses like Environmental Studies, Entrepreneurship Development, Professional Ethics & Human Values, Constitution of India, Energy Conservation, Renewable Energy Sources, which have greater relevance to the needs of the region / nation / society, have been offered to the students of all the branches of Engineering. The curriculum also has made Extra Academic Activities (EAA), which includes 'Social Service', mandatory for all students.
- ➢ Regional needs like protection from radiation, safety measures to prevent accidents and training to housewives in PC / Internet concepts are taken care of.

The following table summarizes the areas / fields where the curriculum has relevance to the developmental needs.

Name of the Department	Area / Field and topic(s)	Relevance to the need
Civil Engineering	Traffic Engineering 1.Traffic Management 2.Efficient Design of Highways	Growing need for better traffic management. Need to improve the road network for speedy development of nation
Mechanical Engineering	Renewable Energy Sources 1. Solar energy 2. Wind Energy 3. Bio-mass Energy	These energies are required to the society because conventional energy sources are depleting in nature
Electrical and Electronics Engineering	Substation Engineering	Knowledge of the basics of layouts and protection schemes.
	Non Conventional Energy Sources	Establishment of solar, wind and Bio-mass plants to meet power requirements of society.
Computer Science & Engineering	1. Software Engineering 2. Software Project Management 3. Cloud Computing 4. Big Data and Analytics	Practical knowledge imparted to the students so as to fit themselves into high and qualitative standards.
	1. Computer Networks 2. Mobile Computing 3. Internet Protocols 4. Sensor networks	The knowledge of networking is useful in offering solutions to society needs like: Smart Homes, Agriculture, Health care, Effective Tracking Systems,Weather Forecasting and Good Governance
	1. Advanced Database Management Systems 2. Data warehousing and Mining 3. Information Retrieval Systems	Databases can be used for analysis of needs of the society by the government which in turn contribute to the growth of the nation.

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

The college makes use of the guidelines of the regulatory bodies like

➢ UGC,
➢ AICTE,
➢ National Accreditation Agencies and
➢ JNTU Ananthapuramu (Affiliating University)

Over the years many reforms have been implemented by the institutions which have had a positive impact on the development and restructuring of the curricula. Some of these include

Reform	Impact
Introduction of Semester System	Better orientation of the course of study
Continuous Assessment	Improvement in the evaluation of student performance
Introduction of Professional Electives	Catering to the needs of the profession, to suit the requirement of the employers.
Introduction of Open Electives	Exposure to subjects under the general category
Introduction of Inter- disciplinary Electives	Growth of interdisciplinary knowledge
Introduction of MOOCs	Opportunity to know the global trends
Introduction of Internships	Opportunity to interact and enhance the knowledge with industry directly.
Introduction of Extra Academic Activities (EAA)	Overall development of students

The academic autonomy of the college gives it enough leverage in balancing the needs and outcomes of the curricula. The college was the first institution to be conferred autonomy by JNTUA.

The Institution has implemented outcome based education curriculum. The programme outcomes are defined taking into account the feedback received from various stakeholders of the programme, guidelines put across by regulatory/professional bodies and also graduate attributes which are in line with programme educational objectives. The professional electives of the programme are framed based on need-based survey of the alumni and employers, inputs from the Academic Council Meetings and BoS Meetings with the industry experts on the current requirements.

The curriculum developed by the college is being referred to by several other colleges and this is a testimony to the impact made by the reforms undertaken by the college in curriculum development and restructuring.

1.2   Academic Flexibility

1.2.1   Give details on the following provisions with reference to academic flexibility
   a.   Core / Elective options
   b.   Enrichment courses
   c.   Courses offered in modular form
   d.   Credit transfer and accumulation facility
   e.   Lateral and vertical mobility within and across programmes and courses

The institution ensures that there is enough flexibility in the use of time frame of the courses, interdisciplinary options and to some extent horizontal mobility, all facilitated by curricular transactions.

The programs have been developed / adopted to meet the need of students and society.

   a.   *Core / Elective options*

In the structuring of the curricula, the core content is incorporated as a matter of compulsion. Students are given the freedom to choose from a number of electives offered. This process is initiated, usually at the beginning of the VI-Semester of study. Open / Global / Interdisciplinary electives offer a choice to the students to choose from. A group of subjects (5 to 6) are specified against each elective from which a student has to select one.

Students across the disciplines can choose a subject of their interest.

   b.   *Enrichment courses*

Beyond the content of the normal curriculum, programs aimed at enrichment of the knowledge of the students are being organized targeting bright students. Details of these programs are given below.

Name of the Department	Name of the Certification Program / Course
Computer Science and Engineering	CISCO Certification course
	IBM Career Education on Enterprise Application Development (J2EE) for cloud deployment using IBM BlueMix
	IBM Career Education on Essentials of Bigdata using Hadoop and IBM Infosphere BigInsight
Electrical and Electronics Engineering	LabVIEW

By doing such certification courses the bright students not only enrich their knowledge, get exposure to institutes of national and international repute but also enhance their employability.

   c.   *Courses offered in modular form*

All the Certification courses are usually offered in modular form only. A student has the choice to choose from various modules. The courses are so designed that the basic requirements for the award of degree are not deviated from. Students can choose various modules in proper sequence without interference to their normal academic schedule

d. *Credit transfer and accumulation facility*

Credit transfer is allowed within the institution. In case of students, admitted into programmes, after completion of the I year of study, from other institutions, consideration of credit transfer will be undertaken based on the advice and guidelines of the affiliating university and state council of higher education. The institutional policy in this regard is governed by the recommendations of the BOS subject to the approval of the Affiliating University.

f. *Lateral and vertical mobility within and across programmes and courses*

Lateral mobility is not allowed as per the norms of the Andhra Pradesh State Council for Higher Education (APSCHE). Vertical mobility is also not permitted.

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

No specific courses have been developed targeting the international student community. The impediments for this include

➢ Absence of permissions from the regulatory bodies.
➢ Locational disadvantage of the college to attract foreign students.

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

The college does not offer any dual degree programme. AICTE provisions do not allow for such programmes.

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

Yes. The college does offer self financing programmes. The institution was established as a self financing institution. At present the college is offering 5 UG programmes of 4- Yr duration and 7 PG programmes of 2- Yr duration, all of which are self financed.

UG programmes (4 year course):
➢ Civil Engineering (CE)
➢ Electronics and Communication Engineering (ECE)
➢ Mechanical Engineering (ME)
➢ Computer Science & Engineering (CSE)
➢ Electrical and Electronics Engineering (EEE)

PG programmes (2 year course):

➢ Computer Aided Design and Computer Aided Manufacturing (CAD/CAM)
➢ Thermal Sciences and Energy Systems (TSES)
➢ Communications and Signal Processing (CSP)
➢ Power Electronics (PE)
➢ Computer Science and Engineering (CSE)
➢ Structural Engineering (SE)
➢ VLSI & Embedded Systems (VLSI &ES)

The policies regarding Admission, Fee structure, Teacher Qualifications and Salaries are at par with (norms of APSCHE, APSAFRC, AICTE) the aided programmes.

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

The college has not yet adopted the CBCS. It has initiated measures to implement the CBCS in near future. No programme is covered under the CBCS.

1.2.6   What percentage of programmes offered by the College follows:

 * *Annual system*
 * *Semester system*
 * *Trimester system*

All programmes follow the **semester** system. The percentage works out to 100.

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

The College does not offer any Inter-Disciplinary programme in its entirety. The policy adopted by the college does not promote any specific interdisciplinary programme. The college has initiated modest efforts aimed at encouraging the promotion of Inter-Disciplinary courses by introducing a mandatory elective, a step in this direction.

Interaction with the various stakeholders involved, like academia, industry experts and alumni has resulted, based on their suggestions, in the introduction of new inter disciplinary courses, to make learning more broadbased.   Some of the interdisciplinary courses and their expected outcomes listed below.

Programme	Course Code	Course of Inter-Disciplinary nature	Expected outcomes
UG	IDE301	Optimization Techniques	Develop mathematical models from the verbal description of the real system. Understand the importance of mathematical modeling in solving practical problems in industry. Suggest proper deployment of scarce resources and provide optimum solution.
UG	IDE302	Remote Sensing and Geographic Information System	Explain the principles and applications of Remote Sensing and various types of platforms used in Remote Sensing. Explain the applications of GIS. Explain GIS data types and Input techniques.
UG	IDE303	New and Renewable Energy Systems	To analyze the various renewable energy sources like wind, solar, biomass, Ocean energy, Fuel cells and MHD systems To exposure on biomass gasification and combustion, Theory of flat plate collectors, photo voltaic, thermal applications.

UG	IDE304	Artificial Intelligence and Expert Systems	Demonstrate fundamental understanding of the history of Artificial Intelligence (AI) and its foundations. Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning. Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems and other machine learning models. Gain on working of an expert system
UG	IDE305	Nanotechnology	Students will acquire the knowledge about the basics of Nano technology and materials. Students get in touch with some applications and designs on nano carbons and spntronics
UG	IDE306	Introduction to Information Systems	Students will learn the concepts of computer organization, operating systems, compiler design including its phases and components and become acquainted with the life cycle of software project and its various phases use SQL, to create Database objects
UG	IDE307	Mechatronics	At the end of the course students able to learn & achieve in-depth knowledge in the fundamentals, design, analysis and operation of mechatronic systems..
UG	IDE308	Control and Automation	Represent the mathematical model of a system Determine the response of different order systems for various step inputs Analyze the stability of the system. Demonstrate an ability to program Programmable Logic Controllers using ladder logic and other programming standards Describe the advantages, use and applications of Programmable Logic Controllers (PLC"s).
UG	IDE309	Web Development Programming	Develop the skill & knowledge of Web page design. Understand the knowhow and can function either as an entrepreneur or can take up jobs in the multimedia and Web site development studio and other Information technology sectors.
UG	IDE310	Environmental and Water Resources Engineering	Students shall be able to identify the source of waste water and solid waste, identifying the physical, chemical and biological properties of waste water, Irrigation methods, fundamentals of Hydro power development.

1.3   Curriculum Enrichment

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

The institution has made it a policy that the curriculum is revised at regular intervals and the impact is also analyzed. The institute became autonomous in the academic year 2006. Every effort is being made to focus on the student attributes and the overall development of the student while translating the broad framework of the curriculum into practical forms. Curriculum is updated to introduce appropriate, relevant and necessary changes. Several inputs go into the making of the syllabus and its enrichment, some of which are parallel and sequential.

The regulations, content of the courses are prepared for the particular scheme. These are modified, as may be decided by the BOS. The college ensures that the enrichment of curriculum would make it

> ➢ Appropriate for the professional needs
> ➢ Relevant from the socio economic point of view
> ➢ Industry / Employment oriented and
> ➢ Knowledge intensive

The ever changing needs of the most important stakeholders i.e students are likely to be met by the enrichment of the curriculum. Review of performance and necessary revisions according to the needs are undertaken at least once in two years. Two types of revisions are undertaken.
> ➢ Minor changes are made as per norms, whenever necessary.
> ➢ Major revision in tune with the guidelines issued from time to time by AICTE and the recommendations of industry / academia

1.3.2   How many new programmes have been introduced in UG and PG level during the last four years? Mention details.
> ✷ *Inter-disciplinary*
> No Inter disciplinary programmes have been introduced during the last four years.
> ✷ *programmes in emerging areas*

Electronics and Communication Engineering Department has started a new PG Programme M. Tech (VLSI & Embedded Systems) in the academic year 2011-12. All departments have started Ph.D., programmes, mostly in the emerging areas, leading to doctoral degree. Some of these programmes are inter disciplinary in nature.

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

The institution has evolved many strategies and adopts them for revision of the programmes, which are existing. The following are the features of the strategies adopted.

> ➢ Formulation of the content of programmes with the involvement of all important stakeholders.

- ➢ Fine tuning the content of the programmes by wide spread discussions in bodies like BOS and Academic council.
- ➢ Carrying out minor and major revisions based on feedback from industry and students keeping the changes relevant to the national international accreditation norms.

With the education scenario undergoing a vast change and the need to restructure the programmes becoming more important, the institution has ensured that all the strategies it adopts for revision of the programmes are in accordance with the requirement of OBE (Outcome Based Education).

To ensure that the revised curriculum is more learner centric and also to inculcate the lifelong learning concept among the students the institution is laying emphasis on the outcomes of the different programmes as outlined under the OBE programmes. The following is the list of some of the courses that underwent moderate to major revisions in the syllabus content.

Name of the Department	Academic Year	Title of the course which underwent revision
CE	2013-2014	Advanced Foundation Engineering
ECE	2013-2014	Embedded systems
CSE	2013-2014	Open Source Technologies
CSE	2013-2014	Dot Net Technologies and Lab
CSE	2013-2014	Big Data and Analytics
CSE	2013-2014	Data Warehousing
CSE	2013-2014	Network Security and Cryptography
EEE	2013-2014	Electrical Estimation and Costing
EEE	2013-2014	Substation Engineering
EEE	2013-2014	Embedded Applications to Electrical Engineering
EEE	2013-2014	Electrical Drawing and CAD
EEE	2013-2014	Biomedical Engineering
ME	2013-2014	Dynamics of Machinery

On an average, 1 out of every 4 courses, underwent a moderate to major revision in the syllabus, which works out to 25%.

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

The college not only updates and modifies the curriculum but also ensures the enrichment of its curriculum by introduction of value added programmes which are offered to the student community to contribute to the holistic development of the students. The college is offering courses on Product Life Cycle Management, Introduction to Information Systems, Labview, Bigdata /Cloud, & Networks in association with Tata Consultancy Services, Infosys, National Instruments, IBM, and CISCO respectively. In addition to these technical courses, we are also offering Quantitative Aptitude, Business English & Technical Writing, and Soft Skills courses for all the students of the college at III/IV/V semester level. In the VI and VII semesters special training programs are being conducted for all the students to further improve their Numerical & Analytical Ability, Critical Thinking, General Awareness, and Communication / Presentation / Group Discussion / Interview Skills. Students who successfully complete these courses are being preferred by the industry and are getting better employment opportunities.

Relevant information on the course schedules is made available to the students in advance and the courses are conducted with a schedule not interfering with the regular class work, to ensure that all desiring learners have access to these courses.

Towards the end of their course of study, students are made to undergo intensive training programmes to enable preparedness among them for the campus recruitments that follow.

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

The college is making efforts to be in consonance with the national requirements leading to national development. As outlined by the NSDC and other agencies, for growth in this direction, the institution in partnership with Siemens Limited, a well known Engineering giant has plans to start Skill Development Programmes very soon. The proposal is facilitated by the government of A.P. and is being implemented in selected institutions of Engineering and Technology from all over the state. The training program is likely to be started in January 2017.

The institution has plans to undertake an exercise to introduce other higher order programmes resulting in skill development of students and to cater to the enhanced needs of economy and society.

1.4   Feedback System

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

Yes. The college does have a formal mechanism to obtain feedback from students regarding the curriculum. The college believes that structured feedback from the students is the all important component in the process of design and development of curriculum. The process of revision and redesign of curricula is essentially based on the advances / developments in the practice of Engineering profession and the feedback obtained from all the stakeholders. Some of the many ways in which feedback is collected include

> ➢ Department level meetings focusing on specific courses
> ➢ Institution level meetings with faculty participation
> ➢ Interaction sessions of alumni
> ➢ Course exit survey
> ➢ Graduate survey

Making use of feedback:
The obtained feedback is analysed objectively and this would form the basis for any reorientation of the course content in subsequent revisions. The feedback obtained is considered in terms of its relevance and suitability, in meeting the ever changing needs of the society / nation.

The feedback and related inputs are discussed in BOS and AC meetings for necessary modifications, if any.

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

Yes the college elicits feedback on curriculum from reputed national and international faculty.

Methods adopted
➢ Nominating experts from academia who are drawn from premier institutions on the BOS and AC.
➢ Consultation and interaction processes.
➢ Inviting suggestions and comments
➢ Conducting forum discussions, Webinars, Workshops aimed at enhancing the quality of curriculum.

Impact
The feedback is used in design and updation of the curriculum.
The refinement in the curriculum design and its effectiveness has resulted from the feedback obtained from faculty at national and international levels.

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

One member each from Industry and Alumni are on the Boards of Studies for all the disciplines. Nominees from these categories are well qualified, experienced and have thorough understanding of educational objectives as well as industry needs. They provide critical inputs to the curriculum enrichment. The curriculum is also reviewed by some prominent employers of the students and their suggestions are incorporated to the extent possible. Some of the courses referred to earlier are the outcome of such collaborative effort.

Use of feedback in curriculum enrichment:
The feedback has proved to be very effective and has resulted in launching new initiatives and introducing many programmes which include:
➢ Community service programmes
➢ Introduction of courses on Professional Ethics, Environmental Studies and Indian Constitution and Society
➢ Introduction of compulsory participation in Extra Academic Activities (EAA)
➢ Inter-Disciplinary Electives
The feedback is also used to establish the attainment of POs and PEOs.

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

Following are the quality sustaining measures undertaken by the institution in ensuring effective development of curricula

➢ Periodic review on the academic front, to ensure the sustenance of quality, undertaken by BOS and AC.
➢ Analysing the feedback and giving due weightage to the opinion of the employers from the industry
➢ Eliciting information from experts of various domains.

Following are the quality enhancement measures undertaken by the institution in ensuring effective development of curricula

➢ Following the guidelines of the national and international accreditation agencies like NBA, NAAC and ABET, from time to time as these agencies periodically revise the quality requirements.
➢ Refining the process of defining POs and PEOs to be in line with the expected outcomes of the academic programmes.

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

D.2. CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

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

The entire admission process is transparent and widely publicized in the interest of the student community. A well administered mechanism is in place to look after the whole admission process. Compliance with all the norms and regulations of various regulatory bodies and Governmental agencies is ensured in the admission process.

Publicity:
As mentioned earlier the whole process is widely publicized. Some of the modes of publicity include
➢ Display of the information related to the admissions in to the College on the Website.
➢ Publicity given by important stake holders such as alumni, parents and industry.
➢ Advertisement issued in leading English and vernacular news papers.
➢ Campus recruitment of earlier years also serves as means of publicity.
Transparency:

The entire process of admission is carried out by adopting transparent procedure, of filling up category-A & Category- B seats. Category-A seats are filled up by the convener of Admissions, EAMCET based on the ranks of the candidates, following the rule of reservation. Category-B seats are filled up by the Management of the college, following the guidelines issued by the APSCHE. The admissions into the second year of B.Tech, known as lateral entry (20% of the sanctioned intake of seats) are made by the ECET convener.

Similar procedure is adopted for filling up the seats in the PG Courses. Performance in the common examinations, like PGECET and GATE, conducted by the State and Central Government organizations, is the criteria adopted for admission into PG Courses.

Thus the whole admission process is made transparent.

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

An elaborate process of admission into UG, PG and Ph.D is put in place by the college. The criteria for admission, followed by the college are outlined below.
UG Programmes :
Admissions into all the UG Programmes in the college are made by the convener of the EAMCET, Government of A.P. based on the state wide ranks

obtained in the EAMCET (Engineering, Agricultural and Medical Common Entrance Test). The selection process is purely based on the marks and ranks obtained in the EAMCET. The admission procedure is in accordance with the rule of reservation laid down by the university and the state government. The admission process for the convener quota seats is done through web based counselling where a candidate can exercise options with regard to the college and course.

PG Programmes :

Admissions into the PG Programmes in the college are based on the merit / ranks / scores of candidates in the national eligibility test GATE and PGECET, conducted state wide.

For filling up the category-B seats in both the UG and PG programmes, the procedures prescribed by the APSCHE, for admissions into self-financing institutions, are followed.

Ph.D Programmes :

For admission into Ph.D programmes, the process is prescribed by the affiliating University, JNTUA. The eligibility criteria is in accordance with the norms of the affiliating university.

A summary of the process of admission put in place by the college is given below.

Name of the Programme	Criteria for admission	Eligibility
UG	Merit in entrance Test (EAMCET)	As prescribed by AICTE, following reservation policy.
PG	Common test conducted by State and National agencies (PGECET & GATE)	As prescribed by AICTE, following reservation policy.
Ph.D	As decided by the affiliating University	As prescribed by the affiliating University.

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

The college does have the mechanism to review the admission process adopted the college and also the student profiles every year.

Mechanism for Review:

After the completion of the process of admission, every year, a review is invariably undertaken to get a clear picture of the process and profiles of students admitted, during that year.

 ➢ Category wise lists of the students for all the programmes, indicating the highest and least ranks give an insight into the quality of students joining the institution.
 ➢ Student preferences are clearly reflected on analysing the student profiles.

Outcome of Analysis:

Based on the analysis carried out certain measures have been initiated, resulting in an improvement in the future.

- ➢ To supplement the learning process for needy students, special care is taken.
- ➢ Bright students are encouraged to further their academic excellence.

The outcome of the analysis carried out, has contributed to the improvement of the admission process, indirectly and every year number of students, with better merit / ranks / scores join the institution, than those joined in the previous year. Thus the institution periodically reviews its enrolment profile and the outcomes are made use of in the improvement of the process.

2.1.4 What are the strategies adopted to increase / improve access to students belonging to the following categories
- ✳ *SC/ST*
- ✳ *OBC*
- ✳ *Women*
- ✳ *Different categories of persons with disabilities*
- ✳ *Economically weaker sections*
- ✳ *Outstanding achievers in sports and extracurricular activities*

The institution has to implement the inclusive admission policy, catering to the diverse student groups, which is laid down by the APSCHE, Government of A.P. As such no strategies are adopted to provide for any increase or improvement in access to students belonging to various categories. The institution is made to implement statutory reservation policies, which are in force, from time to time, and it cannot undertake any sort of increase or improvement in access to any category of students.

Students belonging to different categories are admitted every year and some of the features of their admission are highlighted below.

SC/ST/ OBC Categories
- ➢ Admission as per State Government reservation policies.
- ➢ Fee reimbursement by the State Government as applicable.
- ➢ Also eligible to compete under open category.

Women
- ➢ 33% reservation for women in admissions.
- ➢ Also eligible to compete under open category.

Different categories of persons with disabilities
- ➢ Reservation as per State Government policies

Economically weaker sections
- ➢ Supported by the Fee reimbursement scheme of A.P.

Outstanding achievers in sports and extracurricular activities

- ➢ Reservation provided for achievers in sports and extracurricular activities in the form of quota.

The institution has made it a policy to encourage meritorious students join the institution giving them full tuition fee waiver for their entire course of study. Those students admitted with a rank below 1500 in EAMCET are given this benefit.

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

Academic year	Students admitted in to UG courses	Students admitted in to PG courses
2012-13	766	110
2013-14	720	120
2014-15	779	115
2015-16	773	108
2016-17	780	81

The Programme wise particulars are given in the following Table.

UG Courses :

Categories	2012-13		2013-14		2014-15		2015-16		2016-17	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	60	34	50	27	56	32	52	35	61	36
ST	21	11	17	6	24	9	17	9	13	14
OBC	184	108	155	111	215	120	161	108	196	108
General	192	156	202	152	157	166	223	168	196	156
Others	-	-	-	-	-	-	-	-	-	-

PG Courses :

Categories	2012-13		2013-14		2014-15		2015-16		2016-17 (as on 15.9.16)	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	5	7	7	6	0	0	0	0	0	0
ST	3	1	3	1	0	0	0	0	0	0
OBC	40	13	33	23	0	0	3	6	0	0
General	22	19	22	25	67	48	48	51	46	35
Others	-	-	-	-	-	-	-	-	-	-

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

The college analyses the demand ratio for all the programmes offered by it. This is done every year after the completion of the admission process.

For A-Category Seats:

Academic Programme	No. of applications	No. of students admitted	Demand ratio
UG			Cannot be calculated
2012-13	Not Applicable as the seats are filled by the convener of EAMCET under APSCHE guidance	540	
2013-14		504	
2014-15		545	
2015-16		544	
2016-17		546	

PG			
2012-13	Not Applicable as the seats are filled under the guidance of APSCHE .	77	Cannot be calculated
2013-14		91	
2014-15		86	
2015-16		79	
2016-17		58	

Candidates who joined the college with best ranks in EAMCET / GATE / PGCET
* Rank of **2307** in EAMCET in **Mechanical Engineering** in the year **2015-16**
* Rank of **7** in PGECET in **TSES** in the year **2015-16**
* Rank of 4011 in GATE in **Power Electronics** in the year **2015-16**

For B-Category Seats:

For Academic Year 2012-13:

Programmes	No. of applications	No. of students admitted	Demand ratio
UG			
CE	86	36	1:2.3
ME	71	36	1:1.9
ECE	92	54	1:1.7
EEE	85	36	1:2.3
CSE	89	54	1:1.6
PG			
CSE	8	6	1:1.3
SE	6	6	1:1.0
CSP-ECE	6	5	1:1.2
VLSI&ES	7	6	1:1.1
TSES	5	3	1:1.6
CAD/CAM	4	2	1:2.0
Power Electronics	6	5	1:1.2

For Academic Year 2013-14:

Programmes	No. of applications	No. of students admitted	Demand ratio
UG			
CE	109	36	1:3.0
ME	125	36	1:3.4
ECE	140	54	1:2.5
EEE	103	36	1:2.8
CSE	135	54	1:2.5
PG			
CSE	7	5	1:1.4
SE	6	5	1:1.2
CSP-ECE	6	5	1:1.2
VLSI&ES	8	5	1:1.6
TSES	5	4	1:1.2
CAD/CAM	0	0	-
Power Electronics	6	5	1:1.2

For Academic Year 2014-15:

Programmes	No. of applications	No. of students admitted	Demand ratio
UG			
CE	115	36	1:3.1
ME	109	54	1:2.0
ECE	130	54	1:2.4
EEE	108	36	1:3.0
CSE	120	54	1:2.2
PG			
CSE	11	5	1:2.2
SE	11	5	1:2.2
CSP-ECE	14	5	1:2.8
VLSI&ES	16	5	1:3.2
TSES	4	3	1:1.3
CAD/CAM	3	1	1:3.0
Power Electronics	6	5	1:1.5

For Academic Year 2015-16:

Programmes	No. of applications	No. of students admitted	Demand ratio
UG			
CE	80	36	1:2.2
ME	85	54	1:1.5
ECE	95	54	1:1.7
EEE	70	31	1:2.2
CSE	89	54	1:1.6
PG			
CSE	10	5	1:2.0
SE	11	5	1:2.2
CSP-ECE	5	5	1:1.0
VLSI&ES	11	5	1:2.2
TSES	6	4	1:1.5
CAD/CAM	0	0	-
Power Electronics	10	5	1:2.0

For Academic Year 2016-17:

Programmes	No. of applications	No. of students admitted	Demand ratio
UG			
CE	103	36	1:2.8
ME	108	54	1:2.0
ECE	110	54	1:2.0
EEE	70	36	1:1.9
CSE	112	54	1:2.0
PG			
CSE	9	6	1:1.5
SE	6	6	1:1.0

CSP-ECE	5	1	1:5.0
VLSI&ES	5	5	1:1.0
TSES	0	0	-
CAD/CAM	2	1	1:2.0
Power Electronics	5	1	1:5.0

The demand ratio for various programmes is noticed to have variations over the years. The following are the salient observations, emerging out of the analysis.

➢ Betterment in the ranks of students getting admission year by year.
➢ Number of women getting admission into UG courses has shown a steady increase in all the programs.
➢ GATE ranks / Scores of students in PG programmes have shown a considerable improvement over the few years.
  The trends observed may be attributed to the following reasons.
➢ The reputation gained by the institution, as one of the premier institutions in the region, attracts meritorious students desirous of pursuing quality education.
➢ More number of women seeking admission is an indication of the discipline and safety considered to be hallmarks of the institution.
➢ High academic standards attract students into various PG programmes offered.

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

Yes. The college discontinued a Programme at UG level with specialization in Information Technology (IT).

Reasons:

➢ Demand for the programme has shown a steady decrease over the years.
➢ Number of students seeking admission into the programme decreasing year by year.

2.2 Catering to Student Diversity

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

Yes. The college does organize Orientation / Induction Programme for the newly admitted students into the I Year of Engineering. The orientation programme is of two types.

➢ One day orientation programme, for giving an overview of the course of study and outcomes
➢ Five day orientation programme to expose the students to various aspects of Engineering, Industry, culture and Social concerns.

The five day orientation programme is an unique programme, aimed at exposing the freshers to the attributes expected of an engineering student. The details are as follows.

- Duration: One Week (5 days)
- Issues Covered: Essence of Engineering,
                       Literary and Cultural aspects
                       Personality Development
                       Social Service Activities
                       Physical Fitness aspects.
- Experts involved: People of eminence and reputation in their respective fields like industry / social service / health / Literary and cultural activities are chosen to conduct the sessions using explanation / illustration and interacting with the students.

Mechanism for using the feedback:
The feedback, collected during these programmes is made use of for improvement of the content, scope and method of organizing the programmes during the subsequent years.

The programmes have proved to be very effective in initiating the young minds of the freshly admitted students into Engineering Education.

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

There is no specific mechanism through which the differential requirements of the students, after admission are analyzed. However there is a provision for identifying the socio economic backgrounds and abilities of students, during the week long orientation programme. The key issues identified and addressed are
- Language
- Communication skills
- Fundamentals

The background along with the past academic performance of the students are the basic indicators of the requirements of the students population.

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

The college provides bridge / remedial / add-on course

Bridge Courses:
- Meant for lateral entry students (admitted directly into the II year of UG programmes).
- Selected subjects including Mathematics and Computer Programming are covered.

Remedial Courses:
- Meant for academically weak students and slow learners
- Students with backlogs are encouraged to attend these

Add-on courses:
- Beyond the credit based subjects, add-on courses are conducted.

➢ Interested students attend these courses

Details of the number of students who attended these courses department wise are shown in the table.

Academic year 2015-16:

Department	Nature of course	Title of the course	No.of students attended
CE	Bridge Courses	Mathematics Computer Programming	24
	Remedial Courses	Fluid Mechanics Surveying – I	32
	Add-on courses	Training on usage of Primavera software	140
ECE	Bridge Courses	PTSP & CVSF , C Programming	36
	Remedial Courses	SAS	36
	Add-on courses	MATLAB, Cadence tools	36
EEE	Bridge Courses	C language ,Mathematics, English	65
	Remedial Courses	Electromagnetic fields	20
	Add-on courses	MATLAB, LABView, Micro controllers	100
ME	Remedial Courses	Engineering Thermodynamics	11
CSE	Add-on courses	CCNA Training	93
		Essentials of Bigdata using Hadoop and IBM Infosphere Big insights	30
		Enterprise Application Development (J2EE) for cloud Deployment using IBM Bluemix	30

Academic year 2014-15:

Department	Nature of course	Title of the course	No.of students attended
CE	Bridge Courses	Mathematics ,Computer Programming	24
	Remedial Courses	Strength of Materials – I, Hydrology	38
	Add-on courses	Training on usage of Bump integrator and Enoscope	144
ECE	Bridge Courses	PTSP & CVSF	36
	Remedial Courses	SAS	36
	Add-on courses	Cadence tools, INTEL ATOM Processors	20
EEE	Bridge Courses	C language ,Mathematics, English	63
	Add-on courses	MATLAB	120
ME	Remedial Courses	Engineering Thermodynamics	09

		Object Oriented Programming	16
CSE	Remedial Courses	Switching Theory and Logic Design	16
		Computer Organization and Architecture	16
		Discrete Structures and Graph Theory	16
		Data Structures	16
		Managerial Economics and Financial Accountancy	16

Academic year 2013-14:

Department	Nature of course	Title of the course	No.of students attended
CE	Bridge Courses	Mathematics, Computer Programming	24
	Remedial Courses	Strength of Materials – I, Fluid Mechanics	46
	Add-on courses	Training on usage of E survey CAAD software	142
ECE	Bridge Courses	PTSP & CVSF	30
	Remedial Courses	SAS	30
	Add-on courses	Cadence tools	20
EEE	Bridge Courses	C language ,Mathematics, English	70
	Add-on courses	MATLAB	110
ME	Remedial Courses	Machine tools Engineering Thermodynamics	06 13

Academic year 2012-13:

Department	Nature of course	Title of the course	No.of students attended
CE	Bridge Courses	Mathematics Computer Programming	24
	Remedial Courses	Engineering Mechanics Fluid Mechanics	28
	Add-on courses	Training on usage of Total Station & GPS	140
ECE	Bridge Courses	PTSP & CVSF	30
	Remedial Courses	SAS	30
	Add-on courses	Cadence tools	20
EEE	Bridge Courses	C language ,Mathematics, English	45
	Add-on courses	MATLAB	110
ME	Remedial Courses	Mechanics of solids	21

		Object Oriented Programming	21
CSE	Bridge Courses Remedial Courses	Switching Theory and Logic Design	21
		Discrete Structures and Graph Theory	21
		Data Structures	21

Academic year 2011-12:

Department	Nature of course	Title of the course	No.of students attended
	Bridge Courses	1.Mathematics 2.Computer Programming	24
CE	Remedial Courses	1.Fluid Mechanics 2.Surveying - I	32
	Add-on courses	Training on usage of Primavera software	140
	Bridge Courses	PTSP	24
ECE	Remedial Courses	SAS	24
	Add-on courses	MATLAB	20
EEE	Bridge Courses	C language ,Mathematics, English	40
	Add-on courses	MATLAB	90
ME	Remedial Courses	Dynamics of machinery	07
		Data Structures	15
CSE	Remedial Courses	Switching Theory and Logic Design	15
		Object Oriented Programming	15

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

The college does conduct studies tracking the academic growth of different categories of students. The study focuses on their attitude, academic performance, abilities and impediments faced by them in learning. The salient features of this study include

- ➢ Identifying different categories / sections of the students who are in need of support / guidance for their academic growth
- ➢ Category wise analysis to focus on specific needs.

Improvement of the performance of the students:

The study has helped in identifying the deficiencies / drawbacks associated with disadvantaged sections and adopting appropriate remedial measures. The following are the areas in which a marked improvement in the performance of these

students is noticed / observed.
- ➢ Basic Engineering skills
- ➢ Communication skills
- ➢ Language proficiency

Besides the above these students have also benefited to the extent that they participate in the campus recruitment process, in which many of them have been placed.

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

Advanced learners are identified based on their CGPA and their interaction with the teachers in the classroom discussions. In the time table there is a provision for seminar. The advanced learners can take the advantage of this opportunity and they can prepare power point presentations on advanced topics and present them in the seminar period. The faculty will be willing to help/guide such advanced learners. There is a budget provision of Rs. 5,00,000/- per year for Student Projects. Advanced learners can make use of this opportunity to pursue their interest of study/research. Students who present research papers/give seminars in other engineering colleges are provided with TA by the college.

While planning special training programs aimed at preparing the students to face competitive exams and job interviews, pre-assessment tests are conducted and also trainers interact with each and every student (one-on-one) to assess their knowledge and learning quotient beforehand. Based on this assessment, students are categorized into three groups – High, Medium & Low - and the training batches are formed accordingly. The design and delivery of course contents is then customized to suit the requirements and potential of these groups.

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

Catering to the needs:
- ➢ Providing scribes for examinations
- ➢ Class rooms located in ground floor wherever required
- ➢ Provision of ramps

Adherence to Govt. policies:

Full adherence to the Govt. policies in the admissions and conduct of examinations is ensured in the case of differently-abled students.

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 and evaluation blue print, etc.)

The institution has made it a policy that it plans and organizes its teaching, learning and evaluation schedules meticulously so that the student community stands to benefit.

Academic Calendar:

- ➢ Prepared before each academic year
- ➢ Circulated among all departments and students.
- ➢ Displayed on notice board and website.

Lot of planning goes into the preparation of the academic calendar, in compliance with the instructions and norms of the affiliating University.

Teaching plan:
- ➢ Prepared by the faculty member for the subject concerned.
- ➢ Adherence to the teaching plan is ensured
- ➢ Invariably includes student centered learning methods as an important component.

Evaluation blueprint
- ➢ Prepared according to the examination regulations in force.
- ➢ Dissemination of the evaluation process to all stake holders.

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

The College does provide course outlines and course schedules to all the stakeholders prior to the academic session. These outlines and schedules are prepared by faculty concerned and they are distributed to the students at the beginning of the academic session. They contain information on the syllabus, regulations and the schedule for coverage of syllabus.

Ensuring the effectiveness of the process:
The effectiveness of the process is ensured by the following
- ➢ Periodic reviews at the department level, class wise
- ➢ Monitoring the academic progress in terms of the contents of the schedule.
- ➢ Implementation of the schedule without much deviation.

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

Courses which predominantly follow the lecture method:

- ➢ All Theory subjects follow the lecture methods. However, teaching aids to supplement the process of teaching are invariably used.
- ➢ All practical classes are conducted by forming student groups for day to day evaluation.
- ➢ Latest technologies are invariably made a part of lecture method for effective teaching

Other methods of learning experiences:
The following are some of the other methods of learning.

- ➢ Assignments
- ➢ Lectures by industry experts
- ➢ Attending Seminars

- ➢ Industrial tours
- ➢ Mini project work

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

The teaching-learning process invariably includes student centered methods as integral part. Emphasis is on participative learning and problem solving methodologies.

List of the participatory learning activities:
- ➢ Participation in Seminars / paper contests / workshops
- ➢ Integration of projects into the learning programmes
- ➢ Participation in sponsored research and consultancy projects
- ➢ Exposure to self learning in laboratories

The institution gives utmost importance to these participatory learning activities which contribute to the holistic development and results in improving student learning.

The student is made to realize the importance and significance of life-long learning and knowledge management.

The institution ensures that the learning environment is conducive for innovation, scientific temper and critical thinking, all of which contribute to the overall development of the student.

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

The college has a well defined policy on inviting experts to deliver lectures / seminars for the students. Every year about five lectures / seminars by eminent people are arranged. The experts are drawn from:
- ➢ Industry
- ➢ Engineering organizations / agencies of Central and State Governments
- ➢ Institutes of higher learning
- ➢ Public life

The invited experts give lectures / presentations on a wide range of topics ranging from industrial developments to societal needs.

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

The Institution makes available many latest technologies and facilities, to be used by the faculty for effective teaching. The facilities provide an opportunity for the faculty to supplement the conventional teaching methods and to impart subject knowledge.

Some of these include
- ➢ Digital library
- ➢ Video lectures
- ➢ Webinars
- ➢ Online access to lectures
- ➢ E-learning resources
- ➢ NPTEL lectures

- ➢ Group discussions / seminars / model making
- ➢ Data share
- ➢ Spoken Tutorial Project of NMEICT

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

There is a provision for the services of counselors / advisers for a group of about 15 to 20 students. A fully established system of mentor / mentee is being followed by the institution. The counselors are expected to provide guidance in academic and to a lesser extent in personal matters. In very few cases, depending on the need, psycho-socio guidance is also offered by specialist counselors, who are on the rolls of the college.

Details of the process:
- ➢ A group of 15 to 20 students is attached to a faculty adviser.
- ➢ Periodic counseling sessions are conducted, at least twice a semester, in each academic year.
- ➢ Interaction on academic matters and to a lesser extent personal matters.
- ➢ Follow up measures are undertaken to address the needs of the students.

The institution takes care of the psycho-socio guidance aspects by utilizing the services of an external mentor / counselor / psychologist.

The provision for the counseling services has benefitted many students who are in need of counseling. The number cannot be quantified as the counseling is continuous process. Approximately, 10% of students benefitted from the process, over the last few years.

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

There are many innovative teaching approaches which have been used by the faculty during the last four years. These methods of teaching, facilitate effective learning.   Some of these methods are interactive and they create a feeling of responsibility in learning and enhance the effectiveness of the process of teaching-learning.

Innovative Teaching practices / methods
- ➢ Optimal utilization of Electronic Resource Management (ERM) facilities to enhance the knowledge base of teachers.
- ➢ Seminars conducted to bring out the talents of students.
- ➢ Use of video lessons including NPTEL.
- ➢ Digital library usage for additional learning material
- ➢ Making use of online access methods aimed at inculcating individual learning methods.
- ➢ Conduct of tutorials in certain suitable courses.
- ➢ Conduct of training programmes under T10kT of NMEICT

Improvement in learning

The students are at the center of the teaching-learning process and the varieties of teaching practices used by the faculty have improved the aspects of individual and collaborative learning. The methods adopted by the faculty to employ interactive and participatory approaches in teaching have definitely improved the learning process.

Evaluation of Impact

The effectiveness of implementation of innovative approaches / methods adopted by faculty is evaluated by

- Obtaining feedback from students periodically
- Feedback of the accreditation agencies from time to time

Efforts made by the institution

The institution makes every effort to give faculty, due recognition for innovative teaching practice / methods.

- Innovative teaching methods of the faculty are duly recognized and the faculty is encouraged by the respective department.
- Faculty are provided with necessary facilities / requirements to practice innovation in teaching.
- Technical know-how is provided and faculty are encouraged and sponsored to attend pedagogical training programmes.
- Appreciation for innovation, at the institution level, would provide the needed recognition for such faculty.

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

College makes every effort to create a culture of needed creativity and scientific temper among the learners. For this, the institution has developed a learning environment which is conducive for critical thinking, creativity and scientific temper among students.

The institution has adopted a multi pronged approach for creation of such culture. Some of the features of the approach are

- Organizing group discussions / debates
- Motivating students to take up innovative projects exploring new ideas.
- Initiatives to expose students to new technologies
- Participation of students in sponsored research and consultancy projects.
- Fostering scientific thinking and approach among students, by suitable modifications made in the teaching-learning process.
  The institution encourages students with creativity and scientific temper, with suitable rewards and incentives for their achievements.

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

- *Number of projects executed within the College*
- *Names of external institutions associated with the College for student project work*
- *Role of the faculty in facilitating such projects*

Student projects are considered a mandatory part of learning programme and these projects are carried out, usually towards the end of the course of study. All the

programmes, invariably include the project work as an important component. This requirement is to be fulfilled for the award of the degree.

<u>Number of projects executed within the College</u>

Project works carried out by the students in the college fall into two categories.
- ➢ Minor project
- ➢ Major Project

Minor project covers the initial works like formulation of the problem, defining the scope of the work, related literature review, data collection and experimentation, if any.

A major project involves works like analysis of data, discussion on results, Summary and conclusions and scope for further work.

Most of the project works are carried out within the college

S.No	Academic year	Name of the Industry /Organization	No.of Students
1	2015-16	Indian Institute of Technology, Bhubaneswar,Indian Institute of Sciences, Bangalore, DRDL, Hyderabad ,Redpine Signals, Hyderabad,ECIL, Hyderabad, Anchor Panasonic, Mumbai, 6D Technologies, Bangalore, DRDL, Hyderabad,HMT, Hyderabad ,JSWS, Bellary,BENZ, Bangalore, DRDO, BHEL, Toshiba India, ABB India Limited, AP GENCO	68
2	2014-15	Earthquake Engineering Research Centre, IIIT, Hyderabad,L & T Construction, ECC Division, Hyderabad,BHEL R&D ,Tata Consultancy Services, Synergy Park, Gachibowli, JBara Software Pvt. Ltd.,Cybergateway, Hitech city,Renault-Nissan Technology and Business Centre India Pvt.Ltd.(RNTBCI) , Ascendas Park,Chennai Celigo India Pvt Ltd,The Ascendas VBIT Park,4th Floor, Block − A,GOPAL SYSTEMS Pvt.Ltd, HYD TBS India Pvt., MG Road, Banglore Celigo India Pvt Ltd,The Ascendas VBIT Park,4th Floor, Block − A,, Hitech City, HYD DCX Cable Assemblies Pvt. Ltd., Bangalore-BEML, Bangalore,SKY Fy Labs, Bangalore L&T, Chennai,Penna Industries,Mahindra Reva electric Vehicles,Skyfi Labs, Schneider Electric, PGP Electronics, BHEL.	74
3	2013-14	Earthquake Engineering Research Centre, IIIT, Hyderabad,L & T Construction, Hyderabad Continental Designers Project consultants, Hyderabad,JH Structural Solutions Pvt. Ltd., Hyderabad,Aarvee Associates, Hyderabad Doshi Consultants Pvt. Ltd., Indore,Madhucon Projects Ltd., Hyderabad,ADVANZ Knowledge system Pvt.Ltd, Hyderabad,D-Square Tech Labs High Points	141

		Technologies,Seventh Sense Talent Solutions, Bangalore,Tata Consultancy Services Tech Vedika Software Pvt.Ltd., Madhapur, Hyderabad,ACNOX Software Technologies, Hyderabad,Kewill , Madhapur, Hyderabad National Aerospace Laboratory, Bangalore, Aricent Technologies, Bangalore,SKYFI LABS, BANGALORE,IIIT, Hyderabad,Mahindra and Mahindra Automotive Sector, Medak,BEML, Bangalore, Adroitec Engineering,SKY Fy labs,HRD Nuclear Fuel Complex ,HMT, Hyderabad,Vishakapatnam Steel Plant,BHEL, Rashtriya Ispat Nigam Limited, DRDO, Skype labs	
4	2012-13	Indian Institute of Technology, Bombay IVRCL Ltd., Ranchi Coromandel Infrastructure, Kadapa Megha Engineering & infrastructure Ltd., Solar Power Plant, Pamidi,IVRCL Ltd., Hyderabad,SS Consultancy & Constructions, Hyderabad,KMC Construction Ltd., Hyderabad, Aparna Constructions, Hyderabad,Tishman Speyer India Pvt. Ld., Hyderabad,Soma Enterprise Ltd., Bangalore,Sobha Developers Ltd., Bangalore Value & Budget Housing Corporation Pvt. Ltd., Bangalore,Spectrum Engineering Consultancy, Hyderabad,Nissan Ashok Leyland Technologies, Chennai,Mahindra and Mahindra Automotive Sector, Medak,BEML, Bangalore,Adroitec Engineering Solutions Pvt Ltd,Megha engineering & Infrastructures Ltd,SKY Fy labs, Bangalore SRAAC,Shird Sai Electrical Pvt. Ltd.Thermal plant ,RINL,PETE Transformers Ltd., Dalmia Cement Ltd. PRAGNA Pvt .Ltd., NARL	141
5	2011-12	Earthquake Engineering .Research Centre, IIIT, Hyderabad ,KMC Construction Ltd., Kurnool,KCP Pvt. Ltd,c/oPower Grid Corp.Ltd,Nellore,KMC constructionsLtd, Kadapa,NCC Limited, Hyderabad Ramky Infrastructure Ltd, Hyderabad,SCL Infratech Ltd, Hyderaba,Silvariroshanaditya Infrastructure Ltd.,Hyderabad,STHAPATHI Architects&Engineers Kurnool,Executive Engr., PJP Dam Div.1,Gadwal (I&CAD Dept),DeisgnHaaus Solutions Pvt. Ltd., Hyderabad,A.P.E.X. Associates, Anantapur,SVKR INFRA India Ltd, Hyderabad,SJC Constructions, Haldiya, Kolkata (Nellore), Megha Engg.& Infrastructure Ltd., Hyderabad, Vishwa Infrastructures and Services Pvt. Ltd.,Hyderabad, A.P.Rajiv Swagruha Corporation Ltd,.Dist.Project Management , Unit, Anantapur, Essar Projects(I) Ltd.,Vadinar(Gujarat),RMN Infrastructure Ltd, Hyderabad,KMC Constructions Ltd., Hyderabad	106

		(Kadapa-Kurnool road),Harvins Constructions(P) Ltd, Hyderabad (Gajuladinne Medium Irrigation Projec),Kurnool,KCP Projects Ltd, Hyderabad, SOMA Hyderabad, Gouru Infrastrtuctures & Projects Pvt. Ltd, Hyderabad,Reddy Constructions, Bangalore,Wilboor Smith Associate Pvt.Ltd. Bangalore,IVRCL Limited, Hyderabad, GMR HIAL,Airport Office, Hyderabad, RMN Infrastructures Ltd, Hyderabad, Rajapushpa Properties Pvt.Ltd.,Nutan Nirman(P) Ltd., Hyderabad, BSCPL Infrastructure Ltd., Godhra& Nellore,GKC Projects Ltd., Hydeabad,Ashok Leyland,Adroitec Solutions,Mega engg. Solutions BEML,Mahindra Mahindra Automotive Services Visakhapatnam Steel Plat,, Sree Jayahothi Cements Limited, APGENCO, Dr. NTTPS	

Role of faculty

The role of faculty is of a supervisory nature. The faculty would help students in choosing a project work, provide for arranging the facilities required and guide & review the work under progress, periodically till its completion.

For project works carried out in association with external institutions the faculty would coordinate with other institutional members for the progress of the work.

The data related to the project works is presented in the table below.

Academic year	Programme	Project works carried out	
		Within the college	Association with external institutions
2015-16	UG	243	31
2014-15	UG	220	36
2013-14	UG	214	50
2012-13	UG	140	56
2011-12	UG	132	63
2015-16	PG	87	22
2014-15	PG	81	30
2013-14	PG	39	67
2012-13	PG	11	74
2011-12	PG	2	51

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

The college makes every effort to facilitate the faculty in learning / handling computer aided teaching and learning materials. The use of latest technologies by the faculty for effective teaching is encouraged at all levels.

Faculty are provided with necessary and adequate resources like desktops / laptops along with the required connectivity to enable them to use these resources in the teaching learning process.

Facilities available in the college

- Modern teaching aids like LCD projectors with internet facility
- Educational CDs DVDs
- Online accesses to e-learning facilities
- Subscription to e-Journals
- E-books and E-content.

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

The college has a mechanism for evaluation of teachers by the students/alumni, the salient features of which are
- Feedback obtained for every subject / course
- Feedback obtained once in every semester, usually at the end of the semester
- Broad based questionnaire used, covering all aspects of teaching learning process
- Feedback used for performance appraisal of faculty

Evaluation used for improvement of quality

The evaluation of teachers by students and alumni is used in improving the quality of teaching-learning process and enhancing its effectiveness. Some of the measures undertaken for improvement, using the evaluation include
- Teachers come to know of their deficiencies / short comings and improve their teaching methods.
- Reorientation of teaching methods to suit the requirement of slow learners.
  The feedback obtained from the alumni helps in adopting teaching methodologies that suit the requirement of the industry and higher education.

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

The institution faces certain challenges in the completion of curriculum within the time frame. The common challenges identified are
- Natural hazards like floods
- Delay in admissions
- Disruption of class work due to agitations / strikes and other unforeseen disturbances

Institutional approaches

The institution uses the following approaches to overcome the challenges
- Modified academic schedule
- Extended academic schedule
- Prolonging working hours during working days
- Shortened vacations

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

To augment the teaching-learning process, the institution makes use of its library resources to the full extent possible. The utilization of the resources is detailed below.

- ➢ Central library, fully equipped with the necessary collection of Text / Reference books and other documents caters to the needs of the students.
- ➢ Digital library, an integral part of the Central library is accessible to all faculty and students
- ➢ Continuous updation of knowledge of faculty and transmission of the same to the students is undertaken using the resources of the library.
- ➢ Students make use of the available resources for
  - Preparation for examinations
  - Paper presentations
  - Competitive examinations
  - Project works / Assignments
  - Research works

Thus the library resources are used by the faculty and students to supplement the teaching-learning process and adding value to the same.

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

The institution continuously monitors and evaluates the quality of teaching and its effect on student performance. As suggested by NAAC, an Internal Quality Assurance Cell (IQAC), is created and is entrusted with the responsibility of monitoring and evaluating the quality of teaching. Academic audits are conducted periodically to review the progress. Some of the measures undertaken for quality assurance include

- ➢ Maintenance of Teacher-student ratio
- ➢ Pedagogical training programmes for faculty
- ➢ Providing suitable environs for learning
- ➢ Effective student-teacher interaction
- ➢ Frequent updation of teaching methods used, based on evaluation.

2.4   Teacher Quality

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

The institution has adequate, well qualified faculty. The faculty strength of the college is 198.

A total of 198 positions are filled against the total sanctioned strength of 225. An indication that diversity in the requirement of faculty is encouraged is the fact that about ten of them are from outside the state.

2.4.2   How are the members of the faculty selected?

The institution has made it a policy that teaching positions against sanctioned posts are filled in reasonable time. Strict adherence to the AICTE/State Govt. norms for faculty recruitment is the hallmark of the recruitment policy of the institution.

The recruitment procedures are adequate and quality in terms of qualifications is maintained.

The salient features of the process of selection of members of the faculty include

➢ Issue of advertisement in news papers
➢ Constitution of selection committee, following norms of the affiliating universit
➢ Conduct of interviews by selection committee

Ratification of posts is also undertaken annually by conducting interviews by the selection committee, which is constituted by the affiliating University, JNTUA.

The institution has been encouraging diversity in the recruitment of faculty by

• Recruitments from the reputed institutions in other states
• Recruitments from national institutions

2.4.3   Furnish details of the faculty

The details of the faculty of furnish in the table below:

Highest qualification	Professor		Associate professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.	20	2	18	2	5	3	50
M.Phil.							
PG	2	--	12	--	90	44	148
Temporary teachers							
Ph.D.							
M.Phil.							
PG							
Part-time teachers							
Ph.D.							
M.Phil.							
PG							

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

All faculty members have PG as minimum qualification as per AICTE norms.
The highest qualification is Ph.D. About 25% of the faculty are having the highest qualification.

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

The college does encourage diversity in its faculty recruitment. The relevant details are furnished below

Department	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of Faculty From Abroad
CE	43%	39%	18%	-
ECE	13.5%	75.7%	10.8%	-
CSE	37.2%	62.8%	-	-
EEE	37.03%	55.57%	7.40%	-
ME	45.45 %	36.36 %	18.19 %	-
BS	-	100%	-	-

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

The college has a well defined policy of recruitment of faculty. The number of faculty in the departments is adequate as per the teacher student ratio stipulated by AICTE. Well qualified and competent teachers in required numbers are available in all the departments to handle all theory and practical courses.

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

There are ten visiting Professors who are on the rolls of the college. The details of visiting Professors department wise are given below:

S.No	Dept.	Name of Faculty	Qualification	Designation & Company
1	CE	Dr.Kirshna Sandepudi	Ph.D (USA)	Senior Bridge Design Engineer, Aarvee Associate
2	CE	Dr.T.S.reddy	Ph.D	Scientist (retd.), CRRI, New Delhi
3	CSE	Sri.P.Suresh Kumar	M.Tech	Founder Director & CEO, Graceful Growth Consulting PVT.Ltd.
4	CSE	Dr.K.Ragavendra	Ph.D	Sr.Scientist ADRIN (ISRO) Hyderabad
5	CSE	Dr.Rajkumar Buyya	Ph.D	Director for cloud computing center & Professor Melbourne University, USA
6	ECE/EEE	Sri.B.Vamsi Rama Mohan	B.Tech, MBA	Chief Manager, Power Grid New Delhi
7	EEE	Dr.B.P.Singh	Ph.D	Ex.General Manager BHEL, Hdyerabad

8	EEE	Sri.C.Sai prakash	M.Tech	CMD of SIV Pvt Ltd
9	ME	Dr.R.S.Chalapathi	Ph.D	Management, Consultant
10	ECE	Dr.C.Prasanna Raj Kumar	Ph.D	Dean R&D Centre M.S. Ramaiah Engineering College, Bengaluru

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

The institution facilitates the participation of its teachers in teacher recharge programmes. This initiative, to encourage teachers, to keep abreast of the latest developments and seek improvements in their work is undertaken by the institution as a measure of recharge. The following facilities are extended to its faculty by the institution

  ➢ Training in institutes of higher learning
  ➢ Cash incentives
  ➢ Academic leave for attending to research work
  ➢ Organizing conferences/workshops/seminars
  ➢ Financial support for in-house research projects
  ➢ Guest lectures by educational/industry experts
  ➢ Nomination to national/international conferences

Institute has a well defined policy to encourage and support faculty members for quality improvement and research.
Following are the details of the policies promoting quality and research.
  ➢ Cash incentives to faculty who publish their papers in peer reviewed journals and present their papers in reputed national and international conferences.
  ➢ Encouragement to organize/participate in seminars/ conferences/ workshops in the thrust areas.
  ➢ Motivation lectures for faculty to promote research.
  ➢ Cash incentives for faculty who acquire Ph.D.
  ➢ Financial support for purchase of Laptop in the form of interest free loan.
  ➢ Academic leaves for faculty attending Ph.D. reviews/ thesis submission/seminars/conferences/workshops.
  ➢ International travel grant for conferences and workshops.
  ➢ Sponsoring of In-house projects.

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

In the last four years the institute did not receive awards/recognitions for excellence in teaching at the State, National and International level. But the institute would like to

place on record that two of our teachers namely Dr. P. Jayarami Reddy and Dr. T. Sanjeeva Reddy did receive Best Teacher Awards for the University level teachers in the undivided Andhra Pradesh in the years 1994 & 95.

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

Academic Staff Development Programmes	Number of Faculty				
	2015-16	2014-15	2013-14	2012-13	2011-12
Refresher courses	0	17	0	3	1
HRD programmes	4	3	4	4	0
Orientation programmes	6	4	6	0	0
Staff training conducted by the College	59	21	26	53	11
Staff training conducted by University/ other Colleges	7	10	11	4	4
Summer / winter schools, workshops, etc.	139	70	74	82	56
Any other (please Specify)	0	2	0	0	0

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

Detailed information is presented in the table

	2015-16		2014-15		2013-14		2012-13		2011-12	
	No.	%	No.	%	No.	%	No.	%	No	%
been invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	8	4.88	5	2.91	3	1.81	5	3.12	5	3.09
participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	87	53	73	42.4	69	41.6	40	25	48	29.6

presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	37	22.6	35	20.3	35	21.1	27	16.8	48	29.6
teaching experience in other universities / national institutions and others	9	5.49	0	0	0	0	0	0	0	0
industrial engagement	1	0.61	0	0	1	0.6	0	0	0	0
international experience in teaching	1	0.61	0	0	0	0	0	0	0	0

2.4.12   How often does the College organize academic development programmes for its faculty, leading to enrichment of teaching-learning process?
   ✸ *Curricular Development*
   ✸ *Teaching-learning methods*
   ✸ *Examination reforms*
   ✸ *Content / knowledge management*
   ✸ *Any other (please specify)*

The college does organize academic development programmes for all its faculty aimed at the enrichment of the process of teaching learning. Teachers are given the opportunity to focus on continuous improvement in their work and strive for individual and institutional excellence.

The details of the academic development programmes for the faculty are

Curricular Development:
   ➢ Organized at least once every academic year
   ➢ Focuses on review of curriculum, objectives and outcomes

Teaching-learning methods:
   ➢ Depending on the need, at least twice every academic year
   ➢ Focus on outcome based education and innovations in teaching

Examination reforms:
   ➢ Conducted at least once in every three years
   ➢ Focuses on evaluation processes and necessary reforms

Content / knowledge management:
   ➢ On an average six workshops are organized every academic year
   ➢ On an average ten guest lectures are arranged every academic year

Any other (please specify):
   ➢ One international workshop conducted in the last four years

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

The institution ensures that the teaching – learning modalities are rendered to be relevant for the learner group. Use of appropriate methodologies by teachers facilitates effective learning. However there have been a number of innovations made, during the last five years. Faculty have taken initiatives to innovate and demonstrate creativity in teaching. Some of the innovations include

➢ Well defined learning objectives and outcomes for all the courses in the curriculum of the programme
➢ Publicizing the objectives and outcomes of learning
➢ Employing interactive and participatory approaches in learning, wherever feasible
➢ Providing opportunities for collaborative learning
➢ Case studies/problems related to industry

Rewards:

The teaching innovations employed by the faculty have proved to be very effective in the long run. The creativity and innovation of faculty has resulted in
➢ Clear understanding of objectives and outcomes of learning by the students
➢ Interactive and participatory approaches have helped in creating a feeling of responsibility in learning on the part of the student
➢ Learning process is made more practice oriented

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

Mobility of faculty between institutions for teaching:
The institution does not have a mechanism to encourage mobility of faculty between institutions for teaching. However, the institution encourages its faculty to involve themselves, in various capacities, as resource persons/advisers/guest speakers in the various training programmes/workshops/conferences/seminars conducted by other institutes.

Faculty exchange programmes:
The college has a mechanism to encourage faculty exchange programmes with national and international bodies. MoU with University of Tennessee in Knoxville (UTK) was signed for exchange of faculty, scholars and students. The college stands to benefit, from these schemes, in the sense that, it would help promote the concept of improvement in knowledge base of the faculty.

The faculty stand to gain from the interactions with the faculty from international bodies.

2.5   Evaluation Process and Reforms

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

The evaluation processes is made known to all the stakeholders through different means as listed below
For the Students through the
➢ Presentations given on the orientation day by the Principal, and the respective HODs.
➢ Regular class room notices to students.
➢ Class Representative and Class Committee meetings
➢ Interaction with the Class Teacher
➢ College Prospectus

➢ College Website
➢ College APP

For the Faculty through the
➢ Heads of the Department meetings
➢ All Faculty meetings
➢ Department Faculty Meetings
➢ Board of Studies/ Academic Council meetings
➢ College Website
➢ College APP

For the Parents through
➢ College Prospectus
➢ Presentation on the Orientation Day
➢ College Website
➢ College APP

For Alumni
➢ Boards of studies have a representative from Alumni.

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

➢ The institution has shifted from absolute marks to the Grading System
➢ The question paper pattern has been changed to test the comprehension of the students over the whole syllabus.
➢ Pass Criteria for each course has been modified. To clear a course, student should obtain 35% marks in the end examination and 40% in the End and sessional Examination put together. This forces the students not to neglect the continuous assessment.
➢ To ensure that the students take both sessional exams seriously, the Sessional marks are finalized with a weightage of 0.75 for the better performance and 0.25 for the other
➢ To improve the standards, CGPA of 7.5, 6.5 and 5.5 is set as benchmark for award of division viz., Distinction, First Class and Second Class
➢ Online registration of the candidates for end examinations
➢ Publication of results through Online and SMS

Complete automation of examinations helped in the successful completion of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry , preparation of programme wise results, uploading semester examination results and preparation of grade sheets. Quick publication of results and issuing necessary certificates on time helped the students to secure admission for higher studies and to join the organisations in which they are placed.

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

Continuous assessment is an important component of evaluation. Two internal tests shall be conducted in each semester. First internal exam covering about 50% of the syllabus shall be conducted during the mid of the semester and the other at the end

of the semester for the remaining syllabus. The answer scripts after evaluation are shown to the students for scrutiny and self-assessment. The teacher discusses the question paper and offer suggestions for improvement.

Attendance of the students in the exams is communicated to the parents through SMS alerts and they are informed of their ward's performance through Website/SMS/letters. Remedial classes are conducted for below average students and regular counselling is done through Class Teachers/HOD.

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

The percent weightage of continuous internal assessment to semester End Exams is 30:70.Two internal tests for 30 marks each shall be conducted and marks shall be finalized with a weightage of 0.75 for the better performance and 0.25 for the other.

The question paper for sessional examination shall have one compulsory question carrying 6 marks and five other conventional (descriptive or analytical type) questions carrying 8 marks each. The compulsory question consists of objective type questions like the multiple choice, fill in the blanks etc. Apart from the compulsory question, the student has to answer any 3 from the remaining 5 conventional questions. The question paper for end examination shall consist of One Compulsory question consisting of objective type, fill in the blanks etc for 10 marks and for the remaining 60 marks student has to answer any four questions out of six questions for 15 marks each.

The conduct of internal examinations is centralized. The seating arrangement and allotment of invigilators to the exams halls is done by the exams cell. Heads of the department are drafted as squad members to check malpractice during exams. Internal practical exams for lab courses are scheduled and comprise several criteria such as record work, viva voce, completion of experimental work etc.

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

Yes, the college strictly adheres to the declared examination schedules. Any unforeseen holidays are suitably compensated by converting holidays to working days/arranging extra classes to maintain the schedule without causing delay. Proper attention is paid to make the students aware of any such changes. Any changes in the examination schedule are promptly intimated to the students through SMS, Circulars, College website and are also posted on college official facebook page.

Measures to address the delay:
 ➢ While finalizing the academic schedule a buffer of about seven days is provided to take care of any unforeseen disturbances.
 ➢ Institution has a plan of rescheduling some of the examinations
 ➢ Rescheduling is done without significant disruption to the declared schedule
 ➢ Compensation for the delay is planned, wherever feasible, by converting some of the holidays into working days.

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

Average time taken by the college for declaration of results
 UG Programmes: Three weeks after the last examination
 PG Programmes: Four weeks after the last examination
Mode/media adopted for publication of results:
  ➢ Results are displayed on departmental notice boards, college notice boards
  ➢ Results are made available on the college website
  ➢ Sending of SMS to the parents and students

2.5.7   Does the college have an integrated examination platform for the following processes?
  ✹ *Pre-examination processes – Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.*
  ✹ *Examination process –Examination material management, logistics.*
  ✹ *Post examination process – attendance capture, OMR based exam result, auto processing, generic result processing and certification.*

PRE-EXAMINATION PROCESS
Time table generation: The time-table is generated for each examination before one month and widely circulated to all concerned.
Exam Applications: Students shall register for the examinations by filling the application online and paying the prescribed fee. Provision for online Payment of Examination fee is in the pipe line.
Student list generation: Student data containing Roll No, Name, Subjects registered is prepared. Day wise strength for each examination is calculated to identify the number of invigilators and supporting staff.
  ➢ Hall tickets are generated and issued to the students 7 days before the commencement of exam.
  ➢ Seating arrangement and Seating Plan are finalized a day before the examination
*Invigilators***:** One invigilator is appointed for every 24 students
*Squad:*The internal squad is arranged to check malpractice during the examinations.
*Attendance sheet***:** The students attendance sheet is prepared for each subject.
EXAMINATION PROCESS
  ➢ The question paper setting shall be done by the external examiners. A copy of the syllabus, question paper pattern and a model question paper are sent to the external examiners for question paper setting.
  ➢ Utmost care is taken to maintain confidentiality in preparation and printing of question papers.
  ➢ Controller of examinations ensures that all the question papers are available in advance and arrange for the required number of question papers for each subject.
  ➢ Question papers shall be packed and sealed in covers bearing the name of the subject with its code no., date and quantity.
  ➢ The Question paper packets are kept in the locker and the packets are issued to chief Superintendent on the day of examination
  ➢ The blank answer booklets are kept in the strong room and its stock and issue is properly maintained. They are handed over to the invigilators for the

examination.
- ➤ The Invigilators verify the non confidential material (number of answer books, seating plan, absentees statement) and proceed to the exam hall
- ➤ The chief superintendent shall arrange for distribution of question papers to the exam halls through special invigilators
- ➤ The invigilator shall prepare the absentees statement and account of used/unused answer books and shall return the unused answer scripts to the exams cell through ministerial staff within 30 minutes of commencement of examination
- ➤ Supporting staff are allotted to the examination halls to provide drinking water to the students during examination.
- ➤ Strict vigilance is maintained during the examinations to ensure the sanctity of examinations. Invigilators and heads of the department drafted as squad help to maintain a disciplined atmosphere for the smooth conduct of examinations

POST EXAMINATION PROCESS
- ➤ Post examination, the Chief Superintendent shall handover the answer scripts to the Controller of examinations.
- ➤ Controller of examinations arranges for decoding of scripts before they are sent for valuation.
- ➤ About 50% of the subjects are valued by the external examiners and remaining subjects shall be valued by internal examiners
- ➤ After valuation, the scripts shall be scrutinized to ensure that the examiner has valued all the questions and the total marks awarded are correct.
- ➤ The scrutinizer and examiner shall enter the marks
- ➤ Consolidation of internal marks and the semester examination marks is carried out by the office of the Controller of Examinations
- ➤ The office of CoE furnishes information i.e. subject wise performance to the results committee. The result committee can recommend moderation of marks in the case of abnormal failures or questions being set outside the scope of syllabus.
- ➤ Office of CoE processes and publishes the results
- ➤ The office of Controller of Examinations prepares the grade sheets of the students
- ➤ Students are permitted to apply for Revaluation/Retotaling and Personal identification.
- ➤ Subject wise performance analysis is done and the same is communicated to the Head of the department/concerned teacher.

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

The college started admissions into its Ph.D programmes in the year 2013-2014, after being sanctioned the status of a research center by the affiliating University, JNTUA. Compliance with the evaluation procedures and the processes is necessary, as prescribed by JNTUA, to which the college is affiliated.
As such, the college cannot introduce any reforms in the evaluation process of Ph.D.

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

The Controller of Examinations has a separate office. All examination related documents are under his custody. Three Additional Controllers of examinations help the COE in the smooth discharge of duty. The office of COE has four clerks and other three ministerial staff for support. The CoE has a team of full time personnel to assist him. The role of each person is clearly defined for efficient conduct of examination. Whenever required, more staff are also diverted to assist the COE. A Separate venue for spot valuation is provided. Camp officer and Asst Camp officer are appointed to supervise the spot valuation process.

Exam Cell is equipped with necessary facilities for sorting and storage of examination material, hardware, copiers, UPS etc. which makes the functioning of the office of the CoE self-sufficient. Adequate infrastructure facilities are provided and constantly improved for the conduct of examination. The Office of the Controller of Examinations has an integrated software which takes care of the entire process from the registration of the student to the publication of final results. Processes such as submission of applications, generation of hall tickets, absentees entry, decoding of scripts, entry of marks etc are computerized.

The continuous efforts have improved the processing and streamlining of the operations at the office of the CoE in the conduct of examinations punctually and systematically.

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

The Institution has an effective mechanism for redressal of grievances pertaining to examinations. The internal examination answer scripts are made available to the students for scrutiny. The students can utilize this opportunity to verify whether all answers have been valued, whether the totalling of marks is correct and marks awarded to each answer are fair. Any student who has grievance on internal assessment can take it to the notice of the concerned teacher and seek clarification. If the student is not satisfied, he can make an appeal to the Head of the Department/ Principal, who in turn shall resolve the grievance by referring the issue to the subject expert.

In the case of grievances pertaining to end semester examinations, provision for Revaluation/Retotaling/Personal identification is there .

2.6.   Student Performance and Learning Outcomes

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

The college has clearly stated learning outcomes, for all its programmes, as outlined in the Outcome Based Education (OBE) criteria. These outcomes are well defined / articulated. The institution encourages the various departments, to clearly state the learning outcomes of their programmes. The outcomes are designed at the time of developing the curriculum of the programmes.

Awareness:

Students and faculty are made aware of these outcomes, through printed means and display on the institutional website. In addition, they are prominently displayed on the notice boards of respective departments, to give wide publicity. Thus, the stakeholders get an opportunity to be aware of these outcomes.

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

The institution continuously monitors the process of achievement of learning outcomes. It ensures the same, by adopting a policy of making this achievement, central to the teaching and assessment processes.

The achievement of learning outcomes, is assessed by adopting the following approaches.

Direct Approach:
- ➢ Periodic Internal evaluation.
- ➢ End examinations in theory courses.
- ➢ Regular evaluation in laboratory/practical courses.

Indirect Approach:

This approach is based on conducting various types of surveys like
- ➢ Course outcomes Survey
- ➢ Employer Survey
- ➢ Alumni Survey

In addition to the above, review of attendance and performance is undertaken, as needed.

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

The institution has mechanisms in place, to collect and analyse data on student learning outcomes.

The collection of data is undertaken by conducting the following surveys:

Course exit survey:
- ➢ Conducted at the end of completion of a course/subject
- ➢ Contains questions on different topics of a course/subject
- ➢ Opinion is sought to assess level of understanding.

Graduate Survey:
- ➢ Conducted at the end of the course of study/programme.
- ➢ Focuses on all subjects and teaching methods.

Alumni Survey:
- ➢ Conducted periodically
- ➢ Focuses on adequacy and relevance of learning outcomes

Analysis:

Collected data is analyzed for knowing the attainment of learning outcomes. For this purpose, the recommendations made by the advisory committees, formed at the department level are taken into consideration.

Regular meetings, of these committees, to discuss student progression and performance are held. Necessary modifications, in learning outcomes, are made based on the recommendations of the committees.

Pre defined target levels are set for the various courses, and data is analysed for the attainment of learning outcomes for each course, on the basis of results in that course.

Thus, the institution has developed suitable mechanisms to analyze any deficiencies in achievement of learning outcomes and suggest improvement measures, wherever necessary.

Use of new technologies, to enhance student learning, is the hallmark of the learning policy of the institution.

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

Programme-wise details of the pass percentage and completion rate of students, at the end of the programme, are given below:

Name of the Program: UG

S.No	Branch	2015-16	2014-15	2013-14	2012-13
1	CE	89.7	91.2	88.3	89.3
2	ECE	97.1	95.0	97.2	98.4
3	ME	97.1	93.6	91.3	93.0
4	CSE	90.7	85.4	94.8	95.2
5	EEE	95.7	95.0	95.1	92.9

Name of the Program: PG

S.No	Branch	2015-16	2014-15	2013-14	2012-13
1	CAD/CAM	Not yet Declared	100	100	100
2	TSES		100	100	100
3	CSP		100	100	100
4	Power Electronics		100	100	100
5	CSE		100	100	100
6	Structural Engineering		-	-	-
7	VLSI & ES		100	100	100

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

 ➢ First college to be given autonomy under JNTUA
 ➢ Accredited by NAAC of UGC with A Grade
 ➢ UG Programmes accredited by NBA, thrice
 ➢ All departments of the college are recognized by JNTUA, as research centers
 ➢ Teaching – learning process strengthened by undertaking pedagogical training and faculty development programmes

D.3 CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1   Promotion of Research

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

The college is making all efforts to promote research culture among faculty and students. This is ensured by facilitating participation of faculty and students in research and related activities. The institution provides the necessary resources and other facilities required for carrying out research work.

The college has a Research and Development (R&D) Cell for achieving the objective of promotion of research. A committee will look after the research activities of the institution. The composition of the research committee is as follows:

Chairman	-	R&D Cell in-charge (Usually from among the senior Professors of the institution)
Ex-officio Members	-	Director and Principal
Advisors	-	Heads of various departments
Members	-	One faculty from each department

The committee reviews the research activities of the institution periodically and puts forward its recommendations.

Many recommendations of the research committee have been implemented and they have positively impacted the R&D scenario of the institution. Some of the recommendations made by the committee are:
 ➢ Provision of research facilities in terms of laboratory equipment
 ➢ Financial support, wherever necessary, to fill gap in research spending
 ➢ Establishment of specific research units
 ➢ Identifying thrust areas of research, Department wise
 ➢ Fiscal incentives to faculty
 ➢ Subscription to as many research journals as possible beyond the mandatory requirements
 ➢ Conducting workshops/training programmes to promote research culture on the campus
 ➢ Grant of study leave on case-to-case basis for pursuing Ph.D.,

Impact:

The implementation of the recommendations of the research committee has resulted in making a positive impact on the R&D growth of the institution. Some of the features of this impact include
 ➢ Perceptible change in the attitude of the faculty towards R&D activities
 ➢ Increase in number of publications in peer-reviewed journals
 ➢ Increase in sponsored research activity
 ➢ Due recognition for faculty involved in guiding research
 ➢ Department wise committees for monitoring research work.
 ➢ Increase in admissions into the research programmes

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

The institution has laid down a well defined policy to promote research culture both among faculty and students. The salient features of this policy are
  ➢ Earmarking of 10% of the annual budget of the institution for R&D activities
  ➢ Periodic interaction of faculty with a cross section of researchers
  ➢ Extending administrative and financial support to faculty pursuing research
  ➢ Encouraging faculty to attend short term training programmes /conferences relevant to the fields of their research
  ➢ Focus on interdisciplinary research
  ➢ Recognition and reward for faculty engaged in research work

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

The following is the list containing details of prioritized research areas and the areas of expertise available with the College:

S.No	Department	Research Areas
1	Civil Engineering	➢ Self Compacting concrete ➢ Remediation of agricultural soils ➢ Seismic Analysis
2	Mechanical Engineering	➢ Renewable Energy Sources & Management ➢ Composites ➢ Machine vibration studies
3	Electronics and Communication Engineering	➢ Image Processing ➢ VLSI, Embedded systems ➢ Antennas and communication
4	Computer Science & Engineering	➢ Wireless Networks ➢ Big data ➢ Cloud Computing
5	Electrical & Electronics Engineering	➢ Power Electronics & Drives ➢ Control Systems ➢ Power Systems ➢ Modeling and Simulation

3.1.4   What are the proactive mechanisms adopted by the College to facilitate smooth implementation of research schemes/ projects?
  ✳ *advancing funds for sanctioned projects*
  ✳ *providing seed money*
  ✳ *autonomy to the principal investigator/coordinator for utilizing overhead charges*
  ✳ *timely release of grants*
  ✳ *timely auditing*
  ✳ *submission of utilization certificate to the funding authorities*

The college has adopted certain proactive mechanisms facilitating the smooth implementation and conduct of the various research schemes and projects.

Advancing funds for sanctioned projects:

The institution ensures the timely release of grants, for all the sponsored projects. On certain occasions, the institution has advanced necessary funds, before the external agencies have released the grants to make sure that the research work is not stopped / interrupted.

Providing seed money:
The college provides seed money to the faculty for applying for research projects of funding agencies.

Autonomy to the principal investigator/coordinator for utilizing overhead charges:
The Principal Investigator (PI) is given adequate autonomy and authority with regard to the utilization of the allotted research funds/grants. The PI is given freedom to use overhead charges in the project. The utilization is monitored by the financial administrator.

Timely release of grants:
To facilitate the smooth carrying out of research work /projects, the institution ensures timely release of grants in case of funded projects. The college also advances funds for sanctioned projects to take-off early.

Timely auditing:
Timely auditing of expenses is done every financial year and also on the completion of every project.

Submission of utilization certificate to the funding authorities:
The institution takes considerable care to review the statement of expenses and submit the utilization certificate to the funding agencies/authorities. All necessary reports are filed promptly.

3.1.5   How is interdisciplinary research promoted?
   ✷ *between/among different departments of the College and*
   ✷ *Collaboration with national/international institutes / industries.*

Interdisciplinary research is promoted at two levels:

Between / among Departments of college:
   The college is encouraging its faculty to undertake interdisciplinary research, wherever feasible. The areas of research of interdisciplinary nature are identified by a committee entrusted with the task of promoting and directing interdisciplinary research. Workshops / conferences in some thrust areas of common interest like green fuel technologies, renewable energy resources and nano materials are conducted to promote interdisciplinary research among different departments. The research activities of interdisciplinary nature include Remediation of alkaline soils for agriculture, a research work of interdisciplinary nature involving Civil Engineering and Agriculture Engineering.

Collaboration with National / International institutes / Industries:
Collaboration with industries/institutes of importance is entered into by the institution wherever there is a scope and opportunity for carrying out interdisciplinary research. The promotion of research of interdisciplinary nature, having social and industrial relevance, in collaboration with industry/ institutes is pursued aggressively by the institution, as it would serve the long term research objectives well.
   The details of the collaborations entered into with various national/international institutes/industries are as follows:

S.No	Name of Institutes/ Industries	Collaboration with
1	National Instruments	EEE
2	Texas Instruments	EEE
3	CISCO	CSE
4	IBM	CSE
5	TCS	ME
6	Intel	ECE

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

The college is making efforts in attracting researchers of eminence to visit the college and have interaction with the teachers and student community and it has succeeded to a large extent, in this regard. The efforts made by the college include,

- ➢ Organizing /Conducting various conferences/workshops/lectures by inviting eminent people of research community
- ➢ Inviting superannuated academicians with rich research experience to interact with/guide faculty
- ➢ Focusing on the emerging / thrust areas of research by conducting conferences /workshops which provide a platform for outside researchers to visit the college.
- ➢ Conducting interactive sessions with participation of eminent scholars to benefit the teachers and students.

The details of eminent researchers, who have visited the campus and had interaction with teachers and students, in the recent past, are given in the table.

S.No	Researcher of Eminence	Designation and Parent Institution	Topic	Duration
1	Dr. T.S. Reddy	Scientist-E (Retd.), CRRI, New Delhi	Traffic Management in Transportation Engineering	One day
2	Sri K. Prathap Reddy	Continental Designers Engineers & Architects Hyderabad	Applications of Concrete Technology in field and New innovative techniques in construction	One day
3	Er. Y. Abdul Basheer	E-in-C (Retd.) Member, Technical Advisory CommitteeI & CAD Dept. Govt. of Andhra Pradesh	Irrigation Scenario in Andhra Pradesh, particularly in Rayalaseema Region	One day
4	Dr. G. Sreenivasulu	Professor of Civil Engineering RGMCET, Nandyal	Canal Irrigation – Seepage Studies	One day
5	Sri G.Viswanatham	Executive Engineer, I & CAD Department, Panyam.	Jalayagnam Projects in Andhra Pradesh	One day
6	Sri K. Srinivas	Assistant Divisional Engineer, South Central Railways, Kurnool	General Introduction on Indian Railways – Career for Civil Engineers	One day
7	Sri S. Rama Krishna Raju	PGCIL	Grid maintenance	One day
8	Sri M. Kodanda Rama Murthy	NEDCAP	Distributed Energy Resources	One day
9	Dr. Swarna bai	DRDO – Hyd.	Research avernues for women engineers	One day

10	Dr. Hari kalva	Florida Atlantic University-USA	Higher education at USA	One day
11	Sri G. Sreeram Kumar	APTRANSCO	Transmission lines	One day
12	Sri B.P. Singh	BHEL	Series Compensation of Transmission line and protective scheme	One day
13	Sri. G. Sreeram Kumar	APTRANSCO	Operation and Maintenance in Electrical distribution system	One day
14	Er. N. Ramu	APSPDCL	Advancements in Switch gear and protection	One day
15	Sri T. Rama Chandra Murthy	APSPDCL	Grid connected	One day
16	Sri C. Balaji	PGCIL	HVDC Transmission System	One day
17	Sri C. Amarender	Project Manager, Sasken Communication Technologies	ASICS in VLSI	One day
18	Dr. K. Raghunath	Mentor, R&D, Semtronics Microsystems Pvt. Ltd	OFDM and OFDMA	One day
19	Dr. Tata Narsinga Rao	Scientist 'F',ARCI, Hyderabad	Nano Technology	One day
20	Dr. T.V.C.Sarma	Scientist/Engineer, NARL,Gadanki, Tirupati	Atmospheric Measurement Techniques	One day
21	Dr. Syed Mustaq Ahmed	Professor & HOD, Dept of ECE, S.R.Engg. college, Warangal.	Benefits of IEEE Membership	One day
22	Sri P. Srinivasa Vittal	Project Manager, Blackbucks, Hyderabad	IT Jobs & Concerned Perspective	One day
23	Sri M. Venkateswara Reddy	Vice President, Apollo IT Solutions, Hydearabad	4G Communications	One day
24	Sri S. Sissil Kumar	SDE, BSNL, Kurnool	Present Day Communications	One day
25	Sri G. Venugopal Reddy	Tech lead, Qualcomm, Hyderabad	ARM Processors	One day
26	Sri Srinivas Nandan Vittal.	Samsung India Pvt.Ltd	Internet of Things	One day

27	Dr. Hari Kalva	Associate Professor and Director of Multimedia lab, Florida Atlantic University, USA	Awareness Programme on Higher Education in USA	One day
28	Dr. R. S. Chalapathy,	Management Consultant, Hyderabad	Awareness on Research Activities	One day
29	Dr. Rajkumar Buyya	Melbourne University, Australia	Cloud Computing	One day
30	Sri S. Rajesh	Yahoo, USA	Web Development	One day
31	Sri Abhilash Byreddy	Clematics, Hyderabad	SAP	One Day
32	Dr. K. Raghavendra	ISRO, Hyderabad	Pointers in C	One day
33	Sri E.Madhubabu	IBM, Hyderabad	Trends in IT	One day
34	Dr A. Varada Rajulu	Professor in Osmania Univeristy	Development of new composites	Two Days
35	Sri K. Sreenivas	Director, PLM Institute Bangalore	Product Life Cycle Management	One Day
36	Sr. K. Mallikarjuna	Manager, Quintiles Ltd Bangalore	Six Sigma and Applications	One Day
37	Prof. Dayakar Penumadu	Fred N. Peebles Professor and JIAM Chair of Excellence, University of Tennessee, Knoxville, USA	Promotion of Interdisciplinary Research	One Day

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

Faculty cannot utilize sabbatical leave for research activities. In case of faculty desirous of pursuing Ph.D, deputation to high level institutions is allowed, with the condition that the faculty would serve the institution after obtaining Ph.D.

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

Department	Title of the conference	Duration	National/ International	Eminent scientists/scholars participating
ECE,EEE, CSE	Conference on Power, Control, Communication and Computational Technologies for Sustainable Growth	Two Days	International	➤ Dr Bimal K Bose, IEEE Life Fellow, Emeritus Professor University of Tennessee, Knoxville, USA ➤ Prof M.H Rashid, Professor of University of West Florida, USA,

	(PCCCTSG-2015) in association with IEEE			➢ Dr Raj Kumar Buyya, Cloud Lab, University of Melbourne, Australia ➢ Dr K Siva Kumar,IIT Hyderabad ➢ Dr Jayabharath Reddy, NIT Trichi, ➢ Dr J Kishore, NIT Warangal ➢ Prof M Suryakalavathi, JNTUH, Hyderabad ➢ Prof V Shankar, JNTUA, Ananthapuramu ➢ Prof O B V Ramanaiah, Dept of CSE, JNTUA ➢ Prof M Vijay Kumar, JNTUA, Ananthapuramu, ➢ Prof R. Balasubramanian, GNITS Hyderabad,

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

The college has launched initiatives to transfer / advocate the relative findings of research of the college and elsewhere, to the students and also to the community. Some of these include

➢ Publishing the research findings to give access to students.
➢ Conducting periodic review meetings, aimed at the assessment of progress related to R & D activities, wherein the findings are discussed among the stake holders.
➢ Arranging for transfer of research findings by conducting seminars / conferences.
➢ Involving UG and PG students in research activities.
➢ Reaching out to the community by wide spread publicising the research findings.

Thus the college is adopting an approach of "lab to land" to ensure that the students and the community stand to benefit from the research work / findings of the college and elsewhere.

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

50 out of 198 faculty hold Ph.D degrees and these faculty are very active in research work (both individual and collaborative). The faculty have published research papers in national / international journals. All Professors of the college satisfying the AICTE norms regarding qualifications are recognized as Research Supervisors by the University.

Following is the list of faculty guiding student research and leading research projects.

List of faculty guiding student research

S.No	Name of the faculty	Department	Guiding student		
			Awarded	Submitted	Guiding
1	Dr. P. Jayarami Reddy	CE	2	-	
2	Dr. B. Sreenivasa Reddy	ME	3	-	1
3	Dr. T. Brahmananda Reddy	EEE	2	2	6
4	Dr. Y.V. Siva Reddy	EEE	-	-	4
5	Dr. N. Ravi Shankar Reddy	EEE	-	-	2
6	Dr. Y. Venkata Mohan Reddy	ME	2	1	7
7	Dr H Raghavendra Rao	ME	-	-	2
8	Dr G sankaraiah	ME	-		1
9	Dr R Meenakshi Reddy	ME	-		3
10	Dr M. Nagaphani Sastry	ME	-	-	2
11	Dr E.Venugopal Goud	ME	-	-	1
12	Dr.N.Kasiviswanath	CSE	-	-	5
13	Dr.R.Praveen Sam	CSE	-	-	5
14	Dr.D.Kavitha	CSE	-	-	4
15	Dr.S.Zahoor ul Huq	CSE	-	-	2
16	Dr.G.Sunil Vijaya Kumar	CSE	1	-	1
17	Dr. K.Suresh Reddy	ECE	-	-	4
18	Dr. S.Nagaraja Rao	ECE	-	-	4
19	Dr. T.Chandra Sekhar Reddy	CE	-	-	1
20	Dr.G.Eranna	ECE	1	-	-
21	Dr.Y.Rajasekhara Gowd	BS	1	-	-

Faculty Leading Research Projects

S. No.	Name	Designation	Department
1	Dr. T. ChandraSekhar Reddy	Professor	CE
2	Sri K.V.S.G.Krishna Sastry	Associate Professor	CE
3	Sri G. Nagesh Kumar	Sr. Assistant Professor	CE
4	Sri V. Giridhar Kumar	Assistant Professor	CE
5	Sri K.V. Ramana	Assistant Professor	CE
6	Sri M. Srinivasula Reddy	Assistant Professor	CE
7	Sri V.K. Visweswara Rao	Assistant Professor	CE
8	Dr. T. Bramaha nanda Reddy	Professor & HOD	EEE
9	Dr. Y.V. Siva Reddy	Professor	EEE
10	Dr. N. Ravi shankar Reddy	Associate Professor	EEE
11	Dr. Y. V. Mohan Reddy	Professor & HOD	ME
12	Dr. H. Raghavendra Rao	Associate Professor	ME
13	Dr. M. Nagaphani Sastry	Associate Professor	ME

14	Dr . G. Sankaraiah	Professor	ME
15	Dr. B. Sreenivasa Reddy	Principal	ME
16	Sri P. Harisankar	Assoc. Professor	ME
17	Sri G. Suresh Kumar	Assoc. Professor	ME
18	Smt. K. Devaki Devi	Asst. Professor	ME
19	Dr. K. Suresh Reddy	Professor& HOD	ECE
20	Dr. P. Abdul Khayum	Professor	ECE
21	Dr. S. Nagaraja Rao	Professor	ECE
22	Dr. G.V.R. Sagar	Associate Professor	ECE
23	Sri D.R. Srinivas	Associate Professor	ECE
24	Sri. T. Thammi Reddy	Associate Professor	ECE
25	Sri. G. Amzad Khan	Asst. Professor	ECE
26	Dr. N. Kasiviswanath	Professor& HOD	CSE
27	Dr. R. Praveen Sam	Professor	CSE
28	Dr. D. Kavitha	Professor	CSE
29	Dr. S. Zahoor Ul Huq	Professor	CSE
30	Dr. G.V .Sunil Vijay Kumar	Professor	CSE
31	Dr.M.C.Soma Sekhara Reddy	Professor	BS
32	Dr.T.Ramachar	Assoc. Professor	BS
33	Dr.Y.Ramesh Babu	Assoc. Professor	BS
34	Dr. R. Meenakshi Reddy	Assoc. Professor	ME

Proposals Accepted

S. No	Title	P.I. / C.I.	Funding Agency	Budget in Lakhs.	Status
CE					
1	Use of Cushion To Reduce The Swell Potential Of Expansive Soils	Dr. J .V. Gurumurthy	AICTE	4.15	In progress
2	Removal of Chloride Fluoride Use of Natural Coagulant Aid	Sri E. Sanjeeva Rayudu	UGC	0.75	Completed
3	A study on strength and binding properties of flyash based GeoPolymer Concrete	M. Sreenivasula Reddy	UGC	2.95	Completed
MECH					
1	Development of new composite Materials	Dr H Raghavendra Rao	AICTE	17.5	In progress
2	Study of Alternative Fuels	Dr M Nagaphani Sastry	UGC	2.25	Completed

3	Performance evaluation vortex tube parameters using Taguchi method	Dr G Sankaraiah	UGC	12.59	In progress
4	Development and analysis of new composite Material	Dr H Raghavendra Rao	UGC	12.2	In progress
ECE					
1	Heart Regurgitation Severity analysis using Image processing Techniques	Dr. P. Abdul Khayum	UGC	4.26	In progress
2	Speech and video processing on system on chip (SOC) and the development of a SOC station	Dr. K. Suresh Reddy	AICTE	5.20	Completed
CSE					
1	MODROBS Modernization of Web Technologies and Advanced Networking Lab	Dr. N. Kasiviswanath	AICTE	13.0	Completed
2	Developing disaster management applications using mobile ad-hoc networks test bed	Dr. R. Praveen Sam	UGC	2.4	Completed

Proposals submitted

S. No	Title	P.I/CI	Funding Agency	Budget in Lakhs.
EEE				
1	Implementation of clustering based unit commitment employing various evolutionary algorithms	Sri G. Venkata Subba Reddy	UGC	2.00
2	Space vector based PWM algorithms for reduction of the harmonics in line currents and torque ripple for open end winding Induction Motor for electrical vehicle propulsion system	Dr. G. Satheesh	UGC	3.50

3	Space vector based pulse width modulation algorithms for induction motor drive with reduced complexity	M. Nayeemuddin	UGC	4.57
4	Performance improvements of double inductor boost converter for power LED lamps	Sri G. Kishor	UGC	4.10
5	Harnessing wind energy for water and electricity production in drought areas of Rayalaseema region	Sri C. Harinatha Reddy	UGC	4.95
6	Implementation of novel PWM techniques for reduced common mode voltage of a Grid connected PV converter	Smt. V. Anantha Lakshmi	UGC	4.70
7	Performance evaluation of induction motor drive in electric vehicle applications with different PWM techniques	Sri B. Amarnath Naidu	UGC	3.32
8	Performance improvement of Grid Connected PV fed Inverter	Sri G. Sreenivasa Reddy	UGC	4.48
ME				
1	Experimental studies of thermal energy storage system using Nono fluids integrated with varying (solar) heat source – domestic applications	Sri E. Siva Reddy	UGC	4.95
2	Studies on the properties of polymer blended hybrid nano composites	Sri B. Madhu Sudhan Reddy	UGC	3.60
3	To enhance the machining parameters of En 36 using Tungsten carbide cutting tool during hot machining	Sri. M. Murali Mohan	UGC	4.95
4	Experimental investigations on heat exchangers with fins by using nano - fluids	Sri. M. Lava Kumar	UGC	2.13
5	Optimization of process parameters in machining Heat Treated Beryllium Copper Alloy extending its Applications	Ms. K. Devaki Devi	UGC	2.95
6	Mechanical and thermal Characterization of Polyster / vinyl ester polymer blended carbon reinforced nano clay field hybrid nano composites	Sri. P. Harisankar	UGC	3.95

7	Fabrication and performance analysis of Vortex tube through experimentation, for various geometric parameters, materials and other conditions using experimental design techniques.	Sri G. Suresh Kumar	UGC	4.55
ECE				
1	Self Chargeable e - Stick for Blind People	Dr. G.V.R. Sagar	Dept. of Electronics, DietY	3.4
2	Voice Controlled Wheelchair with potentiality for Obstacle detection	Smt. K. Udaya Kiran	UGC	1.23
3	Effective Segmentation Algorithms for Biomedical Image Processing	Sri R. Sudheer Babu	UGC	Rs 4.3
4	QRS Detection and Data Compression Scheme for ECG Analysis	Sri G. Amzad Khan	UGC	4.14
5	Implementation of Smart Health Monitoring System	Sri S.M. Shamsheer Daula	UGC	4.10
6	Pseudo – Satellite using MC-CDMA Systems	Sri L. Lakshmi Pasanna Kumar	UGC	2.5
7	Designing of FFT/IFFT using optimized CORDIC Algorithm to Obtain Lower Power, High data rate with minimal device Utilization for OFDM systems	Sri M. Madhu Babu	UGC	4.3
8	Gigabite Ethernet Transceiver Design	Sri D. Sarath Babu Rao	UGC	2.0
9	Automated Fire Detection and Notification System in Trains	Smt. T. Swathi	UGC	1.3
10	Heart Regurgitation Severity analysis using image processing Techniques	Dr. P. Abdul Khayum	UGC	19.27
11	Modernization & Removal of Obsolescence (MODROBS) for modernization of "Microwave and Communications Lab	Sri D.R. Srinivas	AICTE	21.90
12	Implementation of Terabit Ethernet Transceivers for photonic applications	Sri D. Sarath Babu Rao	DST	20.34
13	FIST Proposal	Dr. K. Suresh Reddy	DST	221.50
CSE				
1	Secure data management for data owners in Cloud	Dr. N. Kasiviswanath	UGC	4.75

2	Image classification in the cloud and GPU	Sri J. Swami Naik	UGC	5.0
3	Smart data management for big data	Sri C. Sreedhar	UGC	4.8
4	Semantic Web Technologies for effective Web Search	Sri K. Bala Chowdappa	UGC	5.0
5	Algorithmic Trading and stock price prediction using hadoop	Sri K. Sudhakar	UGC	1.3
6	Automation for predicting heart disease using neural network	Sri K. Ishthaq Ahamed	UGC	7.0
7	Big Data Mining for Frequent Item sets	Sri Y. Rama Mohan	UGC	5.0
CE				
1	Study of Mechanical and Durability properties of concrete by replacing cement with slab polishing industrial waste	Sri.G.Nagesh Kumar	UGC	1.4
2	Traffic Congestion and capacity estimates on Urban Midblock sections	Smt. Sowjanya	UGC	2.2
3	Light Weight Aggregate Concrete using Expanded Polystyrene Waste	Sri.V.K.Visweswara Rao	UGC	2.4
4	Investigation of self Compacting Leight weight Aggregate Concrete	Sri.VGiridhar Kumar	UGC	2.4
5	Study of Mechanical and durability properties of high strength concrete with partial replacement of fine aggregate by foundry stand with cement by different mineral admixture	Sri.K.V.S.G.Krishna Sastry	UGC	1.4

3.2   Resource Mobilization for Research

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

10 % of the total budget of the institution is earmarked for research.
Major heads of expenditure:
- Purchase of equipment / Machinery in laboratories.
- Employing Research associates for sponsored research project execution.
- Subscription to journals
- Conduct of conferences / workshops
- Participation expenses for faculty in workshops / development programmes.
- Stipend to Research Scholars

Details of budget allocation and utilization:

S.No	Academic year	Budget Allocated (Rs. in Lakhs)	Budget utilized (Rs. in Lakhs)
1	2015-16	123.78	93.63
2	2014-15	93.62	63.4
3	2013-14	96.88	54.64
4	2012-13	69.1	42.5

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

To support student research projects, the college has made the following financial provisions, in the college budget.
- Financial support for procurement of software / hardware components required for research projects.
- Financial support for providing amenities related to research projects of students.

The financial provisions and the support are extended in deserving cases. About Rs. 3.7 Lacs has been utilized for student research projects

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

There is a provision in the institution to provide the seed money to its faculty for research purpose. The seed money is provided on case to case basis. To initiate research activities and to apply for externally funded research projects, faculty are provided with seed money. Nearly five percent of the faculty have received the seed money in the last four years.

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

The college provides assistance and encouragement to the faculty to file the patents. The details of patents filed and the sanctioned patents are given below.

S.No	Name of Faculty	Department	Design	Design No and Date
1	Dr. A.V. Satyanarayana	ME	Wind Thermal Accumulator	226994 Dated on 29/01/2010
2	Dr. A.V. Satyanarayana	ME	High Wind Power Generator	231387 Dated on 13/09/2010

3.2.5 Provide the following details of ongoing research projects:

The details of the ongoing research projects are provided below in the table.

	Year wise	Number	Name of the Project	Name of the funding agency/Industry	Total grant Received(Rs. In Lakhs)
A. College Funded					
Minor projects	**CE**				
	2015-16	2	In House project	GPREC	1.0
	EEE				
	2015-16	1	In House project	GPREC	1.0
	ME				
	2015-16	2	1. Experimental and Numerical study of Thermal energy storage system using finned spherical capsules integrated with variable and constant heat source.	GPREC	1.2
			2. Estimating the mechanical properties like tensile strength, flexural strength, and impact strength of polymer blended hybrid nano omposites	GPREC	1.15

	ECE				
	2015-16	GPREC/RD/IHP/2015-16/ECE/3	Surveillance and Photography Drone	GPREC	1.60
	2015-16	GPREC/RD/IHP/2015-16/ECE/2	Finger Print based Examination Hall Authentication System	GPREC	0.75
	2015-16	GPREC/RD/IHP/2015-16/ECE/1	Application of Reconfigurable Computing for SDR protocols	GPREC	1.0
	CSE				
	2014-15	GPREC/CSE/R&D/2014	Biometric based avoidance of Impersonation and attendance	GPREC	0.28
	2014-15	GPREC/CSE/R&D/2014	Fire accidents and its safe guard	GPREC	0.12
	BS				
	2015-16	GPREC/R&D/IHP/BS 2015	Green Synthesis of Silver Nano Particles using plant leaf/ Peel Extract	GPREC	0.4
Major projects	B. Other agencies - national and international (specify) ME				
	2013-16	1	Development of new composite Materials	AICTE	17.5
	2014-16	3	Development and analysis of new composite Material	UGC	12.2
Major projects	ECE				
	2015-16 (01.07.2015)	F.No 43-308/2014(SR)	Major Research Project on "Heart Regurgitation Severity analysis using Image processing Techniques".	UGC	4.26

	2013-14	20/AICTE/ RIFD/RPS(POLICY-1)5/2013-14	"Speech and video processing on system on chip (SOC) and the development of a SOC station".	AICTE-RPS	5.2

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

> ➢ The College is recognized under clauses 2(f) & 12(B) by the University Grants Commission (U.G.C), New Delhi, and all the departments are eligible for research funding.
> ➢ The college is identified as "College with Potential for Excellence" (CPE) by the University Grants Commission (U.G.C), New Delhi
> ➢ Many Engineering departments received funding for research from AICTE under Research Promotion Scheme (RPS)
> ➢ The Institution has received research grants from external agencies for major and minor projects.
> ➢ The institution has five Departments and all of them are recognized as research centres by JNTUA, the affiliating University.

Assistance received:

Research projects have been sanctioned to the institution by external funding agencies like AICTE, UGC. The assistance received in the form of grants amounts to Rs. 99.12 Lakhs.

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

The details of completed research projects undertaken by the College faculty in the last four years are given below in the table.

S. No	Title	P.I. /C.I.	Funding Agency	Budget in Lakhs
ME				
1	Study of Alternative Fuels	Dr. M. Nagaphani Sastry	UGC	2.25
ECE				
1	Speech and video processing on system on chip (SOC) and the development of a SOC station	Dr. K .Suresh Reddy	AICTE	5.20

CSE				
1	MODROBS Modernization of Web Technologies and Advanced Networking Lab	Dr. N. Kasiviswanath	AICTE	13.0
2	Developing disaster management applications using mobile ad-hoc networks test bed	Dr. R. Praveen Sam	UGC	2.4
CE				
1	Removal of chloride fluoride use of natural coagulant aid	Sri E. Sanjeeva Rayudu	UGC	0.75
2	A study on strength and binding properties of flyash based geopolymer concrete	M. Sreenivasula Reddy	UGC	2.95
BS				
1	Waste to Energy from Municipal Solid Waste of Kurnool City, AP, India	Dr.T.Ramachar	UGC	0.4
2.	Utilization of Low – Cost, Bio-degradable, Agriculture wastes/ By-products for the removal of organic and Inorganic contaminates from Wastewater	Dr.M.C.Soma Sekhara Reddy	AICTE	17.82

3.3   Research Facilities

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

The college is making efforts to keep pace with the infrastructure requirements to facilitate research. Some of the efforts are

➢ Upgradation of research laboratories
➢ Establishing new test centers / laboratories.
➢ Strengthening the central library and digital library in terms of research journals.
➢ Incorporating latest developments in Engineering / Technology in research infrastructure.

Strategies evolved

The institution has adopted a multi-pronged approach to meet the needs of the researchers. Some of the salient features of this approach / strategy are,

➢ Enhancing the research infrastructure to keep pace with the latest developments in the fields of Engineering & Technology.
➢ Establishment of specialized research laboratories.
➢ Effective utilization of existing resources including laboratory equipment.
➢ Construction of test centers to meet requirement of testing of materials.

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

Yes. The college does have an information resource centre which caters to the needs of researchers. The Central Library of the institution caters to the needs of researchers by providing access to journals, books and e-journals for the researchers. Collection of online and print journals are available in the library besides the journals published by IEEE , Elsevier, ASCE and ASME .

List of available resources in the central library to cater to the needs of researchers:

Item	Quantity
Periodicals in Library	53
National Journals	92
International Journals	e-resources (480 E-journals)
E-Resources (IEEE xplore, ScienceDirect, Elsevier ASME digital Collection, Delnet etc.)	480 e-journals

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

The college does provide accommodation facility for research scholars and faculty as per their request. Infrastructure facilities like computers, printers, scanners along with internet connectivity are made available, for use by the research scholars and the faculty, in the campus.

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

The departments of the college are recognized research centers. Each of them can be considered a specialized research center. The departments are well equipped and are in a position to address the challenges of research programmes.

Research facilities:
Research centers are equipped with specialized instruments.
Laboratories:
Well established containing wide range of equipment.
Research supervisors:
Available in the departments, who can guide scholars pursuing research programmes in different areas.
Other infrastructure:

Well furnished halls / rooms to conduct seminars, Doctoral committee meetings, workshops, Viva-voce examinations etc.

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

The college does have research facilities of regional recognition. JNTUA, the affiliating University has accorded the status of research centre for all the departments of the college.

The research facilities available in the campus are made use of by researchers from other laboratories.

Name of the department	Name of the facility	Researchers from other laboratories	Use
Civil Engineering	Material testing laboratory equipment / Machinery	Research scholars from Mechanical Engineering	Testing the various parameters of different materials
Electrical & Electronics Engineering	LabVIEW Academy	Researchers from Mechanical and Electronics and Communication Engineering	Virtual Instrumentation and measurement
	Microcontrollers Lab	Researchers from Electronics and Communication Engineering	Embedded application and IoT Applications

3.4   Research Publications and Awards

3.4.1 Highlight the major research achievements of the College through the following:
* *major papers presented in regional, national and international conferences*
* *publication per faculty*
* *faculty serving on the editorial boards of national and international journals*
* *faculty members on the organization committees of international conferences, recognized by reputed organizations / societies.*

The major research achievements of the college are highlighted below

Major papers presented in regional, national and international conferences:

Publications	Academic Year			
	2015-16	**2014-15**	**2013-14**	**2012-13**
Research papers published in Journals (National, International)	149	150	84	90
Papers presented in the proceedings of Seminars (National, International)	26	28	40	20

Publication per faculty:

Publications	Academic Year			
	2015-16	2014-15	2013-14	2012-13
Total number of publications (journals + conferences) / total number of Faculty	0.92	1.05	0.72	0.73

Faculty serving on the editorial boards of national and international journals :

➢ Dr. R. Praveen Sam- i-manager's Journal on Cloud Computing.
➢ Smt.B.Urmila - International Journal of Innovative Technology and Research
➢ Smt.B.Urmila - International Journal of Trend in Research and Development
➢ Dr.S.Nagaraja Rao- Ametican Journal of Computation, Communication and Control

Faculty members on the organization committees of international conferences, recognized by reputed organizations / societies:

S.No	Name of Faculty	Department	Name of Conference
1	Dr.G.Eranna	ECE	➢ IEEE SENSORS 2012 (Teipai, Taiwan), ➢ IEEE SENSORS 2013 (Baltimore, USA), ➢ IEEE SENSORS 2014 (Valencia, Spain), ➢ IEEE SENSORS 2015 (Busan, Korea) ➢ IEEE SENSORS 2016 (Orlando, USA).
2	Dr. T. Bramhananda Reddy	EEE	PCCCTSG 2015
3	Dr. Y.V. Siva Reddy	EEE	PCCCTSG 2015
4	Dr. N. Kasi Viswanath	CSE	PCCCTSG 2015
5	Dr. K. Suresh Reddy	ECE	PCCCTSG 2015
6	Dr. Y. Venkata Mohan Reddy	ME	PCCCTSG 2015
7	Dr.S. Nagaraja Rao	ECE	Signal Processing domain for Mosharaka International Conferences, University of Jordan, Jordan

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

No

3.4.3   Give details of publications by the faculty:
✴ number of papers published in peer reviewed journals (national / international)

Publications	Academic Year			
	2015-16	2014-15	2013-14	2012-13
Research papers published in Journals (National, International)	149	150	84	90

✴ Monographs   Nil
✴ Chapters in Books
  ➢ Dr.N.Kasiviswanath, 10th chapter in "Using cross-layer techniques for communication systems" published by IGI publications, New York in April 2012, ISBN 13 : 9781466609600, DOI : 10.4018/978-1-4666-0960-0
  ➢ Dr.G. Eranna, "Metal oxide nanostructures for gas sensing applications" Chapter in *Metal Oxide Nanostructures and Their Applications* Edited by A. Umar and Y.-B. Hahn, American Scientific Publishers, ISBN:1-58883-176-0, pp 181-258, ©2010.
✴ Editing Books   Nil
✴ Books with ISBN numbers with details of publishers

S. No	Name of the book	Author name	Publisher	ISBN Number
1	The text book of hydrology	Dr. P.Jaya Rami Reddy	University science press New Delhi	978-93-80856-04-9
2	Stochastic hydrology	Dr. P.Jaya Rami Reddy	Laxmi publications(A) Ltd. New Delhi	--
3	Civil Engineering (objective type)	Dr. P.Jaya Rami Reddy	Laxmi publications(A) Ltd. New Delhi	978-81-318-0878-8
4	Surveying-I	Sri G. Nagesh Kumar	Falcon publishers Hyderabad	93-80155-22-0
5	Surveying-II	Sri G. Nagesh Kumar	Falcon publishers Hyderabad	93-80155-92-1
6	Surveying-III	Sri G. Nagesh Kumar	Falcon publishers Hyderabad	9789380155920, 2012, (62 pages)

7	Modeling of Artificial Neural Networks using Evolutionary Algorithms	Dr. G.V.R Sagar	Lambert Publications, Germany	978-3-659-89643-9,2016 (200 Pages)
8	Data Structures through C++	Dr. N. Kasiviswanath	Laxmi publications(A) Ltd. New Delhi	9788131805459
9	Computer Organization and Architecture	Dr. R. Praveen Sam	LAP Lambert academic Publishing	978-3659571190
10	Metal Oxide Nanostructures as Gas Sensing Devices	Dr. G. Eranna	CRC Press (A Taylor & Francis Book), New York	ISBN 978-1-4398-6340, © 2012 (340 Pages).
11	Crystal Growth and Evaluation of Silicon for VLSI and ULSI	Dr. G. Eranna	CRC Press (A Taylor & Francis Book), New York	ISBN 978-1-4822-3281-3, 2014 (430 Pages).
12	Thermal Engineering Data hand book	Dr.B.Sreenivasa Reddy	I.K. International Publishing House Pvt. Limited	ISBN : 9788189866327 2011,(272 pages)

✳ number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

✳ Citation Index – range / average

✳ SNIP

✳ SJR

✳ Impact factor – range / average

✳ h-index

	Academic Year			
	2015-16	**2014-15**	**2013-14**	**2012-13**
number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc)	24	21	37	21
Citation index range/average	0-0.79	0.30- 12.08	0.12- 0.79	0.09- 5.39
SNIP	1	1	1	2
SJR	1	1	3	2
Impact factor-range/average	0.27-6.57	0.45-6.20	0.4– 5.93	0.34-6.2
h-index	1	1	1	1

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

The following are the split up of each department regarding PhD Scholars

Department	Registered	Submitted	Awarded
CE	1		2
ME	17	1	5
ECE	8		
CSE	17		1
EEE	12	2	2
BS			1

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

The college has a stated policy of preventing malpractices and misconduct in research. The features of the policy include
➢ Use of software for testing plagiarism in all research write-ups.

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

The college promotes interdisciplinary research among different disciplines. Faculty and PG students have been undertaking research work of interdisciplinary nature by forming into groups. Some of the areas in which interdisciplinary research projects have been undertaken, include
➢ Renewable energy sources & Management
➢ Nano materials
➢ Environmental degradation

3.4.7 Mention the research awards instituted by the College.
The college has not instituted any research award so far but it has plans to institute an award titled 'Young Researcher Award', for the best research contribution.

3.4.8 Provide details of
✱ *research awards received by the faculty*
✱ *recognition received by the faculty from reputed professional bodies and agencies*
Research awards received by the faculty:

S. No	Name of Faculty	Department	Award Details
1	Dr. G. Sankaraiah	ME	UGC Research award
2	Dr. H. Raghavendra Rao	ME	UGC Research award

Recognition received by the faculty from reputed professional bodies and agencies:

S. No	Name of Faculty	Department	Award Details
1.	Dr. J.V.Gurumurthy	CE	IGS-Industrial minerals & chemicals Co. award
2.	Dr.E.Eranna	ECE	Dr. K.S. Krishnan Memorial Award from IETE New Delhi

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

Cash incentives are given to faculty who have received recognition for their research contributions at state, National and International levels.

3.5   Consultancy

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

The College has an officially stated policy for structured consultancy. The college is rendering consultancy services to various Government / Non-Government organizations and industry.

Policy:

Financial resources generated through consultancy services offered by the institution are fairly utilized by the institution. The faculty taking up the consultancy works is properly rewarded. The income generated from the consultancy services, offered to various clients, is distributed among various stakeholders, according to a well formulated plan of disbursement. The revenue generated is shared by the following:

➢ Management
➢ Principal's office
➢ HOD
➢ Investigating team
➢ Administrative staff
➢ Development of the concerned Department

The important consultancy services undertaken are given in the table.

Department	Areas of Consultancy
Civil Engineering	Material testing, Soil testing, Mix design, Water quality and field surveys and preparation of layout plans
Mechanical Engineering	Testing of new composite materials and study of alternative fuels
Electrical Engineering	Transformer oil testing

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

The College does have a College-Industry cell, which would establish liaison between college and industry. Mutual benefits accrue due to the services offered by the cell.

Scope and range of the activities:

The cell has a wide scope and a range of activities which include
➢ Testing of materials consultancy projects for industry
➢ Technical management training to the industry professionals
➢ Industry-Institute interaction

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

The institution publicizes the expertise and available consultancy services. The following are the modes of publicizing

➢ Distribution of the information brochures
➢ Presentations by faculty to industry / organizations
➢ Faculty interactions at individual level
➢ Website of the institution.
➢ Personal liaison of faculty with their counter parts from industry.
➢ CE, ME and EEE are the departments involved in Consultancy

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

The college encourages the faculty to utilize the expertise for consultancy services by

➢ Rewarding them with distribution of a fixed percentage of revenue generated through consultancy services
➢ Providing necessary infrastructure facilities to conduct consultancy works

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

Details of broad areas of consultancy services provided by the institute.

Department	Areas of Consultancy
Civil Engineering	Material testing, Soil testing, Mix design, Water quality and field surveys and preparation of layout plans
Mechanical Engineering	Testing of new composite materials and study of alternative fuels
Electrical Engineering	Transformer oil testing

The revenue generated during the last four years is given in the table.

Academic Year	Amount (Rs. In Lakhs)
2015-16	15.92
2014-15	12.60
2013-14	16.99
2012-13	12.33

3.6   Extension Activities and Institutional Social Responsibility (ISR)

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

The college sensitizes the faculty and students on Institutional Social Responsibilities. Social responsibility is recognized as one of the priority areas by the college administration. It is reflected in the vision and mission statement of the college. Community service is made an essential programme at the UG level to inculcate the sense of social responsibility among students

and provide them with a platform for self and group learning. Faculty and students are sensitized on activities involving community, utilizing every platform available.

Social outreach programmes:

The institution organizes programmes which involve interaction between society and the faculty and students. Students are made to develop sensitivities towards community issues, gender disparities and social inequity. The social outreach programmes inculcate values and commitment to society among students, and they have created an impact on the students' campus experience. Some of the outreach programmes include

- ➢ Blood donation camps
- ➢ Tree Plantation
- ➢ Adult literacy programmes
- ➢ Helping the inmates of orphanages
- ➢ Clean and green programmes

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

The college promotes college-neighborhood network and student engagement, which contribute to the holistic development of students and also community development. Activities that have relevance to the programme of study are undertaken by students, aimed at sustained development of community. Some of these activities include

- ➢ Traffic safety awareness
- ➢ Voters day awareness
- ➢ Literacy programmes for rural public
- ➢ Domestic power safety measures
- ➢ Water quality testing in surrounding areas
- ➢ Computer literacy among villagers

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

Students are motivated to participate in extension activities related to NSS and other agencies. Development of mental physical strength, leadership qualities and organization skills result from the participation by students in such activities.

The college has four dedicated NSS units and is mandatory for UG programmes. These units are actively conducting programmes and they have been very effective in the field of extension activities. The faculty and students of NSS organize free medical camps and blood donation camps besides arranging visits to orphanages.

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

Students' motivation to involve in activities, for the empowerment of the under privileged sections of the society, is being encouraged by the institution. Many efforts, including conducting social surveys, have been undertaken to ensure social justice. As a measure of helping the vulnerable sections of society,

- a study was conducted to identify the problems of students belonging to SC, ST and BC hostels and a report has been submitted to the District Collector for necessary and appropriate action to solve the problems.
- Contributing donations to Vignana peetam, a nearby Orphanage and Bhakta Kannappa Gurukulam, a respite home for students belonging to Chenchu Community.
- GPR Charities Trust is running a respite home for Adult mentally retarded women.
- Trust encourages students by providing scholarships to Intermediate, Degree and Professional College students of Kurnool Dt.

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

Various awards / recognitions have been received by the college for the extension activities undertaken by it and also the community development work. The details are as follows

- District level youth festival photo exhibition, painting winners 2015-2016
- State level youth festival photo exhibition runners during 2014-2015
- University Level youth festival photo exhibition runners in 2015-2016
- University Level youth festival Photo Exhibition, essay writing winners during 2014-15
- Appreciation received from villagers, Sarpanch, School Authorities for conducting NSS Special camp for three consecutive years at Pasupula village of Kurnool District.
- Adjudged as the donor of highest number of units of blood.
- Certificate of appreciation for organizing blood donation camps
- Certificate of appreciation from Dist. AIDS Prevention and Control Unit of Kurnool.
- Certificate of appreciation for services rendered during Tungabhadra Pushkaralu at Kurnool.

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

For the overall development of the students, it is necessary that the academic learning experience must be complemented by the extension activities. The student would be made aware of the dynamics of the society and he would come to have knowledge of self learning and team work. An important outcome of the extension activities is that the knowledge acquired and experiences gained would be constructively used for the benefit of the society.

Values and skills:

The extension activities and experience gained from them are aimed at inculcating values like

Human values
  - Professional ethics
  - Team work
  - Leadership
  - Societal behavior
  - Social responsibility
  - Communication with community

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

The institution ensures the involvement of the community in its outreach activities. It has made it a policy to involve various local bodies like Gram Panchayats, Municipalities and NGOs of the region for conducting and organizing different extension activities.

Community participation is ensured in different ways and interaction between the community and the students is encouraged at all levels.

Some of the initiatives of the college, in this regard include
  - Conducting blood donation camps
  - Creating awareness on the health and hygiene issues
  - Implementation of 'Swachh Bharath' programme
  - Watershed development programmes in villages
  - Environmental awareness programmes

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

The institution has a mechanism to track the students' involvement in various social activities which promote citizenship roles.

The students are made aware of the Institutional Social Responsibility. Some of the features of the mechanism, to track the involvement of students include
  - Registration of students in NSS
  - Conducting meetings regularly
  - Preparation of student reports
  - Awarding credits to extension programmes
  - Encouragement to participate in community development programmes

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

The institution has partnerships with community and NGOs for extension activities. It has constructive relationship with nearby institutions in working on various outreach and extension activities.

The institution has a constructive relationship with G. Pulla Reddy charitable Trust, which is a non profitable organization, involved in serving the society, by undertaking several outreach and extension activities.

- The College, in association with Government General Hospital, Kurnool maintains a blood donors directory and when required, donors of our college donates blood for the needy.
- A batch of students trains the Saraswati Sishu Mandir and Vignana Peetam students, the basics of Computers and Mathematics.

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.*

- ➢ Certificate of appreciation for organizing blood donation camp
- ➢ Certificate of appreciation from Dist. AIDS Prevention and Control Unit of Kurnool.
- ➢ Certificate of appreciation for services rendered at Tungabhadra Pushkaralu at Kurnool.
- ➢ Received mementoes from Rama Krishna Mission in February 2014 and ISCKON in January 2015 for the services rendered by the students during their conventions.
- ➢ District level youth festival photo exhibition, painting winners 2015-2016
- ➢ State level youth festival photo exhibition runners during 2014-2015
- ➢ University Level youth festival photo exhibition runners in 2015-2016
- ➢ University Level youth festival Photo Exhibition, essay writing winners during 2014-15

3.7   Collaboration

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

The institution has collaboration with other agencies for various activities like faculty exchange, Student placement etc. The linkages established by the institution have enhanced its academic profile. The visibility, identity and diversity of the activities on the campus have had a positive impact. The participation of faculty and students, in the programmes organized under the collaboration, with other agencies, has provided them a platform to showcase their skills and talents.

Academic and Financial benefits:
The college has benefitted both academically and financially because of the collaboration with other agencies. Some of these benefits include

- ➢ Curriculum development
- ➢ Placement training programme
- ➢ Sponsored research programmes
- ➢ Students industrial visits
- ➢ Summer internships / student projects
- ➢ FDPs organized for academic upgradation

3.7.2 Mention specific examples of, how these linkages promote
* *Curriculum development*
* *Internship, On-the-job training*
* *Faculty exchange and development*
* *Research, Publication*
* *Consultancy, Extension*
* *Student placement*
* *Any other, please specify*

Curriculum Development:

Nomination of members from industries onto the Boards of Studies and Academic Council help in the design, development and modifications in the curriculum to meet the demands of the industry.

Internship, On-the-job training:

Collaboration provides an opportunity of internship in industries which helps students undergo short term training programmes during summer vacation and semester break. Establishment of center of excellence by IBM has been made possible due to the linkages between institution and industry.

Faculty exchange and development:

In association with the industry the institution has conducted workshops / seminars / conferences to promote interdisciplinary research activities. Faculty exchange programmes also have resulted from these linkages.

Research, Publication:

Collaborations with research promoting agencies like DST, MHRD spur the growth of research and publication activities. Faculty are encouraged to take up research projects and publish research articles.

Consultancy, Extension:

The linkages enable undertaking different consultancy activities like low cost housing projects in association with other agencies. Social activities get a boost and have enhanced scope, with the collaborations undertaken by the institution.

Student placement:

Tie up / collaboration with major recruiting organizations like TCS, Infosys will help in organizing campus placements on a large scale. Placement is likely to witness rapid growth with strong bonds of collaboration the institution has established with other agencies.

Any other, please specify:

In areas like renewable energy sources and solar power the collaborations are of much use.

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

The college has MoUs with institutions and other universities. The details of MoUs are given below.

S.No	Name of the organization	Type of MoU	Purpose
1.	University of Tennessee at Knoxville	Academic	Faculty and student exchange programme
2.	Infosys Ltd.	Infosys campus connect	Enriching Technical Education
3.	IUCEE	Academic	Enriching Technical Education
4.	Manjra soft	Academic	Technology Transfer

These MoUs have improved the quality of teaching-learning process, research and development activities of the college in the sense that they help participation of students in such activities which help them in enriching the quality of technical education.

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

The college industry interaction has resulted in the establishment of the specialized laboratories like
➢ IBM Center of excellence
➢ Cisco training center
➢ LabVIEW Academy
➢ Microcontrollers Lab
➢ Automation Lab
➢ INTEL Intelligent Systems
➢ Siemens Lab

The interactions enable the faculty and students pursue research besides their academic obligations. Introduction of some of the electives, as courses of study, has resulted from college-industry interactions.

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

The institution has laid down a policy of formally reviewing the collaboration of the institution, with other agencies, periodically, to identify the shortcomings, if any and make suitable changes by revising the collaborations wherever necessary.

D.4. CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The institution has adequate infrastructure and facilities for teaching-learning and evaluation processes. These facilities are being utilized optimally and they are augmented from time to time. The College campus is spread over 32.75 acres of area with a total built up area of 45413.4 Sq.m

Plan

The College has a well defined plan for its growth and allocates budget for

  ➢ Infrastructure
  ➢ Laboratory equipment
  ➢ Other supportive facilities

The process of planning starts with a meeting of college planning board, organized at the end of every academic year to discuss utilization of the sanctioned budget and plan for the next academic year. The budget estimates are approved, finally, by the Governing Council. The spending of the sanctioned budget and procurement are looked after by the Departments

Physical facilities.

The College has the physical facilities for catering to the needs of the following activities:

  ✶ Academic
  ✶ Co-curricular & Extra curricular
  ✶ Sports & Games
  ✶ Others

Academic activities:

  ➢ Class rooms:
  ➢ Laboratories / workshops
  ➢ Drawing halls
  ➢ Central library
  ➢ E-Class rooms
  ➢ Digital library
  ➢ English language lab
  ➢ Placement cell
  ➢ Departmental libraries
  ➢ Computer center

Co-curricular & Extra curricular activities:

  ➢ Two fully air conditioned seminar Halls
  ➢ Committee Room
  ➢ Board room

Sports and Games:

  ➢ Indoor facilities
    • Indoor Stadium with Wooden Flooring for Shuttle Badminton
    • Separate Gym for Boys and Girls
    • Table Tennis Courts
  ➢ Outdoor facilities
    • Basket ball

- Foot ball
- Volley ball
- Cricket

Others

- Medical Center
- Bank with ATMs
- Post office
- Stationery shop
- Canteen
- Hostel for boys and girls
- Transportation (7 buses)

Optimal Utilization:

The college utilizes the infrastructure facilities optimally. Some of the features of optimal utilization include

- ➢ Class rooms and seminar halls are used to conduct various other courses and classes like certification courses / value added courses and remedial / training / practice classes.
- ➢ Sports & games facilities are utilized by students of neighboring institutions on prior permission.
- ➢ Various online competitive examinations like CAT, GATE and IBPS are conducted in the college, with the available infrastructure.

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

Yes. The college does have a policy for creation and enhancement of infrastructure to promote a better teaching learning environment. Expansions and additions are undertaken, whenever necessary to augment the infrastructural facilities from time to time.

Policy

The concept of teaching-learning is undergoing a marked change and as such, the creation of a well suited environment for teaching-learning becomes essential. The college has a policy of annual budgeting and review for the growth of infrastructure. Enhancement in the infrastructural facilities and their maintenance are taken care of, by the departmental requirements submitted before the annual budget meeting at the institution level. The following infrastructure facilities were created / enhanced by adopting a policy of growth.

- ➢ Internet services
- ➢ Telecommunications (Intercom system)
- ➢ Drinking water (R.O. Plant with 1000 LPH Capacity)
- ➢ Landscaping and Greenery

Recent initiatives:

The Institution believes that infrastructure facilities are the key for effective and efficient conduct of all educational programmes offered by it. The growth of infrastructure has to keep pace with the developments taking place in the institution, both academic and non-academic. Some of the recent initiatives in this direction include

- Providing LCD projectors in all class rooms
- Additional class rooms for PG Programmes
- Construction of Girls hostel (additional block)
- Reprography machinery
- Renovation and furnishing of one seminar gallery
- Creation of Student Activity Center

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

The College does provide for all its departments the following facilities:
- Office room (Where the HOD's office is located)
- Separate rest rooms for women students and faculty.
- Separate rest rooms for staff

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

The college ensures that the requirements of students / staff with disabilities are met with the infrastructure facilities available in the college. Some of these measures are
- Providing wheel chairs for handicapped persons
- Location of class rooms in ground floor, wherever required
- Ramps to supplement the stairs wherever needed
- Lift for disabled persons

4.1.5 How does the College cater to the residential requirements of students? Mention
- *Capacity of the hostels and occupancy (to be given separately for men and women)*
- *Recreational facilities in hostel/s like gymnasium, yoga center, etc.*
- *Broadband connectivity / wi-fi facility in hostel/s.*

The college has made arrangements to cater to the residential requirements of boys and girls. Separate hostels for men and women are provided, which are modern and well equipped and furnished.

- *Capacity of the hostels and occupancy*

The capacity of the hostels (for both men and women) and the occupancy are given below

Sl. No.	Description	Men	Women
1.	Location	Outside the campus	Within the premises
2.	No. of blocks	1	2
3.	Total Floor Area (Sq.m)	2040	11700
4.	No. of rooms	50	181
5.	No. of students Accommodated	82	581

✺ *Recreational facilities*

The hostels are equipped with the recreational facilities for the overall developments of the inmates of the hostel. The following facilities are available.

➢ Yoga teacher visiting the hostel for training
➢ Indoor games
➢ Television sets with cable connections
➢ Newspapers, magazines provided in the reading rooms

✺ *Connectivity.*

A computer center with sufficient number of systems with internet facility is functioning in the hostels. Wi-Fi facility exists in the hostels.

Surveillance is ensured by providing CC TV cameras at strategic places. Watch and ward staff are employed for security purposes.

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

The college has arrangements to cope with the health and related services of all its students, faculty and staff. The details are given below.

On the campus:
➢ Health center named, Sri. R.V. Seshacharyulu Dispensary, with a medical officer and necessary supporting staff / assistants is located in the campus which can take care of any medical needs of students and staff.

Beyond campus:
➢ For all medical emergencies, an ambulance is available at call.

In addition to the above, the services of a Psychologist, are also made available to the students, whenever needed.

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

To promote interest in sports and cultural events, some special facilities are made available on the campus.

Sports & Games:

The supportive facilities on the campus are developed to contribute to the effective ambience for extra-curricular and co-curricular activities.

The Physical Education Department is headed by a Director, holding Doctorial degree. Besides the director, there is a woman Physical Director to look after the women's sports and games.

The two directors, work as a team, with adequate supporting staff to assist them in the conduct of various events, throughout the academic year.

The facilities, provided by the college, to promote interest in sports include

Sl. No.	Facilities	Number of Facilities available	
		Boys	Girls
Indoor games			
1.	Table Tennis	3	1
2.	Gymnasium	1	1
3.	Chess	30	10
4.	Caroms	-	3

5.	Shuttle Badminton (Wooden Flooring)	3	1
Outdoor games			
1.	Volley Ball	1	1
2.	Cricket	1	1
3.	Basket Ball	1	1
4.	Throw Ball	-	1
5.	Track & Field	1	1
6.	Kabadi	1	1
7.	Ball Badminton	1	1
8.	Handball	1	-
9.	Kho-Kho	1	-
10.	Football	1	-

Transport:

The College has made it a policy to make available, free transport back home, after college hours, for students participating in sports & games.

Cultural events:

The Institution has a cultural & literary forum, more than two decades old, to serve the cultural and literary interests of the student community. A set of musical instruments which include Veena, Sitara, Violin, Mrudangam, Electric guitar, Keyboards etc are made available for the interested students to practice on. In deserving cases, a coach from outside is also arranged. These facilities are being utilized, to conduct the cultural and literary events / competitions to foster a cultural and literary spirit among the students.

In addition, several steps have been taken to encourage the creativity and expose students to various forms of art / culture, whenever feasible.

The support and encouragement have yielded results commensurate with the effort. Many students have participated in inter-collegiate and inter-University competitions and some of them have won awards / prizes.

4.2   Library as a Learning Resource

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

Yes. The Library of the institution has an advisory committee with the Principal as the Ex-Officio chairman.

Composition of committee:
  ➢ Ex-Officio chairman: Principal
  ➢ Convener : A Senior faculty member who is nominated by the Principal, will be in-charge of library.
  ➢ Member Secretary : Librarian
  ➢ Faculty representatives: One from each Department.

The advisory committee is responsible for the effective functioning of the library. It extends its advice on the following matters.

  ➢ Purchase of books / Journal / other library resources
  ➢ Augmenting library resources every year

> ➢ Improvement of library information services

Approval of the committee is essential for undertaking all developmental activities. The committee makes several efforts and takes initiatives to render the library student / user friendly. Some of the significant initiatives include

> ➢ Open access of books
> ➢ Digitalisation of the library
> ➢ Extension of timings beyond working hours
> ➢ Special service to differently-abled students
> ➢ Acquisition of E- Journals

4.2.2 Provide details of the following:

✳ *Total area of the library (in Sq. Mts.)*
   Total area of the library (in Sq. Mts.)   -   1315 in Sq. Mts.
✳ *Total seating capacity*
   Total seating capacity   -   about 150
✳ *Working hours (on working days, on holidays, before examination days, during examination days, during vacation)*

Description	Timings
On Working Days	9.00 AM to 6.00 PM
On Examination days	9.00 AM to 6.00 PM
During Vacation	9.00 AM to 5.00 PM

✳ *Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)*
   The layout / plan of the library is prominently displayed at the entrance of the library, showing all the important zones / areas.
   Layout / plan of the library is shown below.

G.Pulla Reddy Engineering College(Autonomous), Kurnool.
Central Library
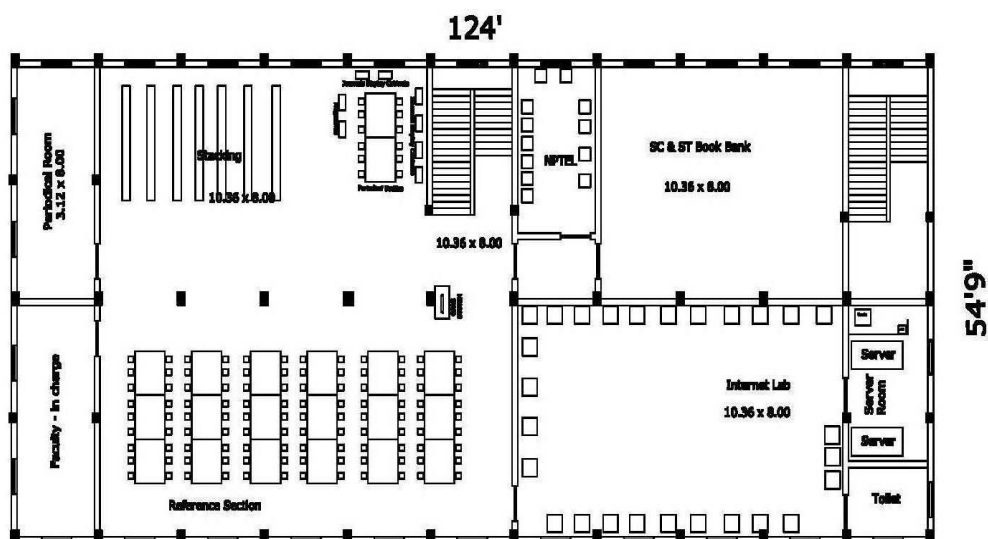
Carpet Area : (667 Sqm.) **First Foor**

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

Access to the premises is ensured by the following measures.

> ➢ Prominent display of clearly laid out floor plans
> ➢ Sufficient number of sign boards
> ➢ Online public access catalogue
> ➢ Display of new arrivals
> ➢ Arrangement according to DDC Scheme
> ➢ Open access to books and journals
> ➢ Special services provided for differently-abled users
> ➢ Safety measures include fire control and pest control.

4.2.3 Give details on the library holdings   Total No.

a) *Print*
   (Books, back volumes and thesis)   -   54428
b) *Non Print (Microfiche, AV)*
   CDs / DVD ROMS   -   13
c) *Electronic (e-books, e-Journals)*
   e-books   :   more than 1000
   e-journals   :   480
d) *Special collection*   :   42
   (eg. Text book, Reference books, standards, patents)

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

✷ *OPAC*
> ➢ To know the bibliographic information
> ➢ Made available via LAN
> ➢ Books can be searched author wis
> ➢ e, Title wise and Index wise
> ➢ SLIM 21 software being used

* *Electronic Resource Management package for e-journals*
  E-Resource management facilities include
  - IEEE
  - Elsevier
  - ASME
  - ASCE
  - ScienceDirect (Engineering)
  - INFLIBNET & DELNET

* *Federated searching tools to search articles in multiple databases*
  KNIMBUS Federated Search engine to be procured

* *Library Website*
  Home page of the College Central Library Website directs the users to location of materials such as books. It also provides access text and bibliographical databases and E-journals through digital library. Video lessons of NPTEL and MIT press can also be accessed from the home page. It can be accessed through campus LAN.
  The library information is available on the institution website www.gprec.ac.in

* *In-house/remote access to e-publications*
  Access to e-publications - Data Share https://192.168.0.9
  All the faculty and students are provided with resource facility and have access to E-publications. The college has sufficient and well equipped Wi-Fi and internet facilities which facilitate the use of e-resources for in-house access.

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

* Library automation
  - Fully automated deploying ICT (Information and Communications Technology)
  - SLIM 21 Software package used
  - All the transactions are fully computerized and all the documents are bar-coded
* Total number of computers for public access
  4 for OPAC and 50 in the Digital library
* Total numbers of printers for public access
  4 printers available for public access
* Internet band width speed   2 mbps   ☐ 10 mbps   ◼ 1gb (GB)   ☐
  High speed Internet facility is provided through 10Mbps, exclusively for the library. Also, Wi-Fi connectivity is available.
* Institutional Repository
  College Data Share : http://192.168.0.9/
* Content management system for e-learning
  - NPTEL facility having excellent content management system
  - E-learning through online Web and video courses in Engineering
* Participation in Resource sharing networks/consortia (like Inflibnet)
  - Subscription to DELNET, INFLIBNET
  - Participation and resource sharing networks / consortium enabled

4.2.6 Provide details (per month) with regard to.
- ✷ Average number of walk-ins : 8450
- ✷ Average number of books issued/returned : 13078
- ✷ Ratio of library books to students enrolled : 1:15
- ✷ Average number of books added during last three years : 3224
- ✷ Average number of login to OPAC : 204
- ✷ Average number of login to e-resources : 2210
- ✷ Average number of e-resources downloaded/printed : 2080
- ✷ Number of information literacy trainings organized : Once in a year

4.2.7 Give details of the specialized services provided by the library
- ✷ *Manuscripts*
  Copies of reports of project works carried out by faculty members funded by UGC / AICTE and other funding agencies.
- ✷ *Reference*
  Reference books are made available in the reference section for exclusive use of students within the library.
- ✷ *Reprography*
  Reprographic facilities are available for use by students and faculty.
- ✷ *ILL (Inter Library Loan Service)*
  Facility of ILL available through DELNET.
- ✷ *Information Deployment and Notification*
  Arrival of new books and journals and related information is displayed prominently on the notice board of the library. New arrivals are notified from time to time.
- ✷ *OPAC*
  Online Public Access Catalogue service (OPAC) helps the students know the bibliographic information and enables them to make quick search regarding books and journals.
- ✷ *Internet Access:*
  Free Internet facility with speed of 10Mbps is provided to students and faculty. Wi-Fi facility is also available in the library.
- ✷ *Downloads:*
  Provision is made to allow students and faculty to download articles from various sources like e-journals / e-books / online lessons from NPTEL.
- ✷ *Printouts:*
  Printouts of downloaded material can be taken.
- ✷ *Reading list/ Bibliography compilation:*
  List of books and journals for
  - ✷ Course wise
  - ✷ Author wise and
  - ✷ Title wise reading is provided
- ✷ *In-house/remote access to e-resources:*
  - ➢ Excellent e-resources facilities available
  - ➢ Internet facility with IP address / Wi-Fi facility facilitates use of e-resources for in house / remote access
- ✷ *User Orientation:*
  The stakeholders are made aware of the services, facilities and available resources in the library by organizing an user orientation programme every year. This programme is usually conducted at the commencement of the academic programme.

✷ *Assistance in searching Databases:*
  ➢ Library staff provide support and assistance required in searching databases and e-journals
  ➢ Subscription to new journals / databases is informed to the users.

✷ *INFLIBNET/IUC facilities*
  The library has INFLIBNET and DELNET facilities.

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

The details of annual budget of the library and expenditure of amount are shown in the table.

Particulars								(Rs. In Lakhs)
	Budget allotted	Amount spent	Budget allotted	Amount spent	Budget allotted	Amount spent	Budget allotted	Amount spent
	2012-13		2013-14		2014-15		2015-16	
Non recurring (Books & Stacks)	10.00	8.85	13.30	13.04	15.00	9.31	15.50	11.80
Recurring (Journals including e-journals)	13.50	13.50	18.00	13.73	16.00	15.09	16.00	15.99
Grand total	23.50	22.35	31.30	26.77	31.00	24.40	31.51	27.79

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

Feedback:

  ➢ Obtained once every year from the library users.
  ➢ Suggestion boxes are provided at various locations to receive suggestions
  ➢ Feedback forms and complaints are made available to users at the circulation counter.

Analysis:

The analysis of the feedback obtained is carried out by the library committee, which submits a report to the Principal. Appropriate steps are initiated, based on the feedback, for improving the facilities and services available in the library.

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

- ➢ Subscription to online journals
- ➢ Provision of NPTEL and e-material
- ➢ Increase in number of National / International journals
- ➢ Increase in number of books / Reference books
- ➢ IEEE, ASME, ASCE, ELSEVIER journals subscribed.
- ➢ DELNET, INFLIBNET institutional membership.

The development of infrastructure facilities of the library over the last four years is summarized below.

Description of Item	Academic year			
	2012-13	2013-14	2014-15	2015-16
Computers	6	36	20	-
Chairs	-	-	-	36
Book Racks	18	18	-	-
Reprographic machine	1	-	-	-
Scanners & Printers	1	-	-	2

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

Yes, to facilitate better library usage, all the faculty, staff and students are made aware of the resources, services and facilities related to the library. Such orientation programmes have proved to be beneficial, especially to newly admitted students and research scholars. The creation of awareness among the stake holders, is essentially user-centric and enhances the quality of teaching-learning and research processes.

4.3   IT Infrastructure

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

Yes, the college is following the basic standards in maintaining, purchasing and usage of IT infrastructures.
- ➢ College has IT Service Management team maintained by the Department of Computer Science and Engineering.
- ➢ Information and network security is provided through firewalls to handle misuse of Wi-Fi in the campus.
- ➢ The college website is also maintained with SSL (Secure Sockets Layer) certificate with 128 bit encryption.
- ➢ The systems are installed with antivirus to handle malware risks.
- ➢ Establishing backup procedures to handle risk of information loss.
- ➢ Adequate and proper facilities for IT infrastructure like dedicated space and air conditions.
- ➢ Every year college is purchasing branded systems and networking equipments from various manufacturers like Dell, HP, Lenovo, Cisco, D-Link etc.
- ➢ Licensed software or open source software are installed and maintained in the systems. In addition, windows based licenses are also installed.

4.3.2   Give details of the College's computing facilities (hardware and software).
✴ *Number of systems with configuration*

The institution frequently upgrades its IT facility and it has latest computing facilities, both hardware and software.

Number of systems with configuration   : 1352

S No	Configuration	No of Systems
1	Dell Optiplex Intel Core I3	273
2	Lenovo ThinkCenter Core I3	114
3	HP Desktop Intel Core I3	225
4	Dell Optiplex Core 2 duo	280
5	HCL Core 2 Duo	69
6	Lenovo Core 2 Duo	85
7	HCL Dual Core	11
8	Compaq Dual Core	19
9	Compaq Core 2 Duo	10
10	HCL PIV	125
11	Zenith PIV	76
12	Wipro PIV	43
13	HCL Server	05
14	IBM Server	09
15	HP Server	04
16	Dell Power Edge Server	02
17	Wipro Server	01
18	Zenith Server	01
	Total	**1352**

✴ *Computer-student ratio*   : 1:3
✴ *Dedicated computing facility*

Yes, all the departments have their own computer center with a minimum of 72 systems.

✴ *LAN facility*

All the Departments are connected through LAN

✴ *Wi-Fi facility*

Yes, adequate number of access points with security provided through firewalls.

✴ *Propriety software / Open source software's*
  ➢ Microsoft Windows 8.1
  ➢ Microsoft windows 10
  ➢ Microsoft Office
  ➢ Rational Rose
  ➢ Ubuntu Linux
  ➢ Aneka Cloud Computing Software
  ➢ Oracle
  ➢ Java
  ➢ Turbo C & C++
  ➢ Visual Studio
  ➢ Quick heal Firewall Software

- CAD Software
- CAM Software
- PLM Software
- MAT Lab
- PSIM
- MI Power
- D Space
- Siemens Automation Software
- LabVIEW
- Code Composer
- E-Surveying Software
- Bricks CAD
- Envi 4.0
- Erdas
- Geomedia
- STAD Pro 2004
- RESIST
- Mentor Graphics
- Xilinx System
- PSOC Design Browser
- MATLAB 6.5
- Tina Pro Software
- VHDL-VLSI software
- Code Composer Studio
- Protius
- Intel Atom Innovation Kits and Software
- Cadene University Bundle(FE & BE)

✱ *Number of nodes/ computers with internet facility*
About 180 systems are having internet facility.

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

Plans and strategies are developed by the institution for deploying and upgrading the IT infrastructure and associated facilities, which include

- Upgradation of systems
- Latest configurations, in accordance with the IT industry standards, adopted.
- Maintenance of systems by qualified technical staff.
- Renewal and addition of new licensed software.
- Encouraging students and faculty to use open source technologies and tools.

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

Access to online teaching-learning resources:

The institution ensures the following modes of online access to the teaching-learning resources

- Internet and Wi-Fi facilities provided in the campus.
- Faculty optimally utilizes Electronic Resource facilities for making the

teaching-learning process more technology oriented.
  ➢ Students are encouraged to have online access and use video lessons of NPTEL, MIT press etc.
  ➢ Spoken Tutorial Project (STP) empowers the faculty and students in Free and Open Source Software (FOSS).

Thus information on online access to various resources and other knowledge is provided to staff and students for quality teaching, learning and research.

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

Details of ICT enabled class rooms:
Each department of the college has ICT class rooms available for teaching and seminars. They are being used by the faculty for regular teaching and also to increase learning interest among students.

The details of ICT enabled class rooms in the college are

Sl. No.	ICT facility	Number
1	ICT enabled class rooms (with LCD facility)	39
2	ICT enabled Seminar halls	6

All the computer laboratories have internet facilities. Students can access online resources apart from the digital library provided with access to online journals. Quality of teaching-learning and research processes is promoted by making available to faculty and students, online journals. This is how the institution deploys and employs ICT for a wide range of activities.

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

Faculty are facilitated to prepare computer aided teaching-learning materials. They are encouraged to use the ICT facilities and other learning resources that are adequately available in the institution. The faculty also attends development / training programmes focusing on 'Use of ICT in education'.
Facilities available in the college:
  ➢ LCDs in each class rooms.
  ➢ Preparation of power point presentations
  ➢ CDs, DVDs containing information on different topics for preparation of lecture material.

Department	Facility provided	Physical resources
CE	LAN facility to prepare course materials	7 nos. of LCD projectors, 67 nos. of Computers
EEE	LAN facility to prepare course materials	7 nos. of LCD projectors 122 nos. of Computers

ECE	LAN facility to prepare course materials	7 nos. of LCD projectors 186 nos. of Computers
CSE	LAN facility to prepare course materials	7 nos. of LCD projectors 490 nos. of Computers
ME	LAN facility to prepare course materials	6 nos. of LCD projectors 176 nos. of Computers
BS	LAN facility to prepare course materials	4 nos. of LCD projectors 108 nos. of Computers

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

Maintenance:

➤ Each laboratory is looked after by technical staff, who are well qualified and having skills in hardware Engineering.
➤ Maintenance, protection of data, internet services are taken care of by system administrators.
➤ All systems are connected through LAN and annual maintenance is undertaken.

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

The College avails of the National Knowledge Network connectivity directly. The following are the services availed of.

➤ DELNET
➤ NPTEL videos
➤ Spoken tutorials of NMEICT

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

Every year a provision is made in the annual budget of the college for updating, deploying and maintaining the computers. The following are the details.

➤ System up-gradation depending on the need like change in curriculum, obsolete hardware.
➤ On expiry of warranty the maintenance will be looked after by competent staff of the institution.

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 College has an estate office / designated officer for overseeing the maintenance work related to buildings and class rooms / Laboratories. The designated officer, known as the Project Engineer, oversees various Civil, Mechanical and Electrical works. He also supervises the cleanliness aspects and safety measures.

Specific initiatives:
The following are the specific initiatives undertaken to improve physical ambience of the campus.
  ➢ Conversion of class rooms into e-class rooms.
  ➢ Plantation of trees and Greenery
  ➢ Painting of buildings

Routine maintenance works like waste water disposal, power distribution and maintenance of roads are looked after by the establishment headed by the Project Engineer.

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.

An exclusive Engineering section, headed by a Project Engineer is responsible for maintaining the infrastructure facilities, services and equipment.

Minor maintenance:
Attended within the college by the staff of engineering section and departmental staff, as needed.
Major repairs and maintenance:
Carried out under AMC for different equipment by respective external agencies.

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

D.5. CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

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

Yes. The college does have an independent system for student support and mentoring.

Characteristics of the system:
- Professional counselor to counsel needy students every week.
- College provides academically supportive environment, wherein faculty continuously motivate the students for their progress.
- A group of students is attached to one faculty member who follows up their progression and provides necessary guidance.
- Career building advices are also given to students to provide career guidance.
- For improvement of the mentoring system suggestions from alumni and other stake holders are taken into consideration.
- To foster ethical and human values among students motivational talks by eminent personalities in the society, are arranged.

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

Students' development is ensured by undertaking schemes like coaching classes, career counseling and soft skills training programmes.
Apart from classroom work, the following provisions exist for academic mentoring.
- Student chapters of professional bodies and societies.
- Participation in co-curricular activities.
- Remedial classes.
- Special lectures / workshops / conferences / webinars.
- Performance review by mentors.

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

The College provides many schemes for students, for personal enhancement and development. The students get many opportunities for their professional growth.
Career counseling:
- Special lectures and workshops relating to personality development and improvement in employability skills.
- Placement cell provides training through group discussions and mock interviews.
- Professional trainers are employed to offer career counseling.
Soft skill development:
- Introduced as a mandatory course
- Inclusion of English communications lab in the UG curriculum to improve communication skills

➢ Encouraging students to present papers in conferences.
➢ Lectures / sessions related to soft skill development by external trainers.

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

Yes. The College publishes annually a handbook and prospectus which is made available to the students. And information it also disseminated through the college Website. The contents include
➢ Introduction about Departments
➢ Programme details
➢ Library information
➢ Academic rules and regulations
➢ Infrastructure
➢ Admissions

The college website contains the information about the following, which can be accessed online by the students.
➢ Vision and Mission
➢ College History
➢ Academics
➢ Curriculum and syllabi
➢ Placements
➢ Life on the campus

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

The College management provides scholarships to financially weak students, which are sponsored by Sri. G. Pulla Reddy Charities Trust which also manages the college. The details of scholarships distributed are given for the last four years.

Academic year	Amount (Rs in Lakhs)	No of Students
2012-13	1.44	3
2013-14	12.48	26
2014-15	7.20	15
2015-16	9.12	19

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

➢ GATE: 9 of 126 (7 %)
➢ Central sector scheme Merit scholarships (MHRD of GOI): 299 of 3478 (9%)

Details of financial assistance received from the State Government are given below.

2012-13				
Fresh		Renewal		Grand Total
Academic Year	No.of students	Academic Year	No.of students	
2012-13	561	2011	1122	100%
		2010		
		2009		
Total	561	Total	1122	1683

2013-14				
Fresh		Renewal		Grand Total
Academic Year	No.of students	Academic Year	No.of students	
2013-14	489	2012	1224	99%
		2011		
		2010		
Total	489	Total	1224	1713

2014-15				
Fresh		Renewal		Grand Total
Academic Year	No.of students	Academic Year	No.of students	
2014-15	536	2013	1247	99%
		2012		
		2011		
Total	536	Total	1247	1783

2015-16				
Fresh		Renewal		Grand Total
Academic Year	No.of students	Academic Year	No.of students	
2015-16	321	2014	1176	83%
		2013		
		2012		
Total	321	Total	1176	1497

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

The college has no international students.

5.1.8 What types of support services are available for
   ✺ *Overseas students:*

There are no overseas students in the institution.

✴ *Physically challenged / differently abled students:*
   The support services provided for physically challenged students include
   ➢ Assistance given whenever needed
   ➢ Ramps provided for easy movement
   ➢ Separate parking facilities

✴ *SC/ST, OBC and economically weaker sections:*
   ➢ Reservation provided as per statutory norms
   ➢ Financial assistance in terms of reimbursement of tuition fee and other expenses from the Government as per regulations
   ➢ Book bank facility

✴ *Students to participate in various competitions/ conferences in India and abroad:*
   ➢ Extending financial assistance to participate in national competitions / Conferences
   ➢ Encouragement and support to participate in various competitions / conferences and inter collegiate / University events.
      • V. Poojitha of IV EEE participated in International Conference held at **Italy** in 2015
      • V. Poojitha of IV EEE attended an IEEE International Conference held at **Srilanka** in 2015
      • CR Vaishnavi (2009-2013) of CE participated in 6th International Conference at Houston, **Texas, USA** in 2012.

✴ *Health centre, health insurance etc.:*
   ➢ Exclusive health center available in the campus with a full time medical officer
   ➢ Cost free medicines given to students
   ➢ Ambulance services in case of emergency made available
   ➢ Facilities available for fitness and good health practices

✴ *Skill development (spoken English, computer literacy, etc.,):*
   ➢ Laboratory course in Advanced English Communication course included at UG level
   ➢ Employability enhancing training programmes in coordination with Industry experts
   ➢ Special certification courses to make students industry ready with requisite skills

✴ *Performance enhancement for slow learners / students who are at risk of failure and dropouts:*
   ➢ Arrangement of Remedial / separate classes for slow learners to minimize failure rate
   ➢ Conducting make up classes
   ➢ Innovative schemes like 'Zero Failure Plan' launched to help the students, who are prone to risk of failure

✱ *Exposure of students to other institutions of higher learning / corporate / business houses, etc.:*
  ➢ Encouragement and guidance to participate and present papers in conferences / events organized by premier institutions.
  ➢ Arranging visits to leading corporate houses / industries for exposure.
  ➢ Internship programmes at IIIT/IIT Bombay/ IIT Delhi

✱ *Publication of student magazines:*
  ➢ Annual college magazine to showcase the innovative ideas and scientific thoughts of students are brought out
  ➢ Newsletters released periodically
  ➢ Technical magazines published by students

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

The College provides guidance / coaching for various competitive examinations. At the UG level, orientation classes are held to familiarize the students with the scheme, syllabus and regulations of examinations like Civil Services and Defense services. The College has made provision for conducting coaching classes, at the department level, for the GATE aspirants.

Details of the students qualified in GATE in the last four years, is given below.

Academic year	No. of students qualified in the GATE
2012-13	95
2013-14	109
2014-15	72
2015-16	69

5.1.10 Mention the policies of the College for enhancing student participation in sports and extracurricular activities through strategies such as

✱ *Additional academic support, flexibility in examinations:*
The college has policies for enhancing student participation in sports and extra-curricular activities by adopting the following strategies.
  ➢ Exemption of attendance for participation in Inter-collegiate / Inter-University sports events.
  ➢ Arranging coaching programmes and facilities to selected students
  ➢ Cash incentives for students selected for Inter University tournaments.

✱ *Special dietary requirements, sports uniform and materials:*
  ➢ Providing Sports uniform and sports materials to all participants in Inter-collegiate events.
  ➢ Special dietary care taken to improve performance of selected students

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

The College does have an institutionalized mechanism for placement of its students.

Services provided:

An exclusive Training and Placement cell is functioning under the guidance of a TPO (Training and Placement Officer). The TPO is assisted by an Asst. TPO. A Manager, to look after the Corporate Relations is also a part of the T&P cell. Students are provided with necessary support, to identify the job opportunities, by the T&P cell. The details of opportunities and related information are prominently displayed and are also made available on the website.

The T&P cell oversees the inviting of companies to the campus and gets students trained in various skills like
➢ Communication skills
➢ Interview skills
➢ Personality Development skills
➢ Internship in industries.

It helps in arranging off-campus placement drives. Also, Intensive Training Programmes, to prepare the students for the different stages of selection process, are organized.

There is an exclusive Entrepreneurship Development Cell (EDC) functioning in the institution which organizes various programmes and arranges talks by eminent entrepreneurs to motivate the young students develop entrepreneurship skills.

The regular curriculum of the programmes, also includes a component, devoted to the enrichment of communication skills, to prepare the students for interviews.

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

The details of the No.of students selected during campus interviews by different employers are given below.

	Placement Details				
	2015-16	2014-15	2013-14	2012-13	2011-12
CE	15	13	7	9	30
ME	75	59	51	39	53
ECE	143	80	62	83	63
CSE	116	88	126	89	73

EEE	52	49	37	70	52
PG	3	14	7	3	11
Total	405	303	290	293	298

S. No	Academic year	No. of companies who visited the campus
1	2011-12	27
2	2012-13	29
3	2013-14	34
4	2014-15	31
5	2015-16	40

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

The college does have a registered alumni association, registered under the Societies Act XXXV of 2001 with Registration number 400 of 2004.

Activities:

➢ Arranging guest lectures to the students
➢ Promoting student internships and placements
➢ Providing scholarships to meritorious students
➢ Conducting alumni meetings / reunions
➢ Encouraging alumni to get involved in social service activities.

Contributions to the development of the college:
The constant encouragement and support offered by the alumni, to the students have helped in getting placements / internship in industries. The alumni meetings, which are held frequently, focus on the formulation of strategies and plans for effective interaction between the alumni and their Alma Mater.

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

The college does have a student grievance cell. It deals with all the grievances and seeks to redress the same.
Details of the student grievances:
Any aggrieved students can represent the matter to the grievance cell for redressal. The cell undertakes the process of attending to the grievances put forward by the students. It focuses its attention on setting proper facilitation procedures, to settle the issues in a cordial and amicable atmosphere.

The problems of students with different socio-economic backgrounds are required to be handled in an effective manner. The grievance cell adheres to the standard arbitration procedures in the settlement of issues and redressal of grievances.

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

The institute has a cell and mechanism to resolve issues related to sexual harassment. As per the norms of UGC Internal Complaint Committee has been constituted. The aim of the cell is to resolve any issue related to harassment of women, eve teasing in the college premises. Any complaints will be attended to, based on the nature and complexity of the issue, within reasonable time. Few issues / incidents have been reported and were resolved.

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

To prevent and prohibit ragging within the campus and outside, commensurate with the norms laid down by UGC and State Government, an anti ragging committee has been constituted. The committee is constituted at the beginning of every academic year and is entrusted with the responsibility of monitoring and preventing ragging incidents. No instances of ragging have been reported during the last four years.

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

The college elicits the cooperation from all the stakeholders, to ensure the overall development of the students by taking into consideration various aspects. The details are given below.

Students:
➢ Principal stake holders
➢ Feedback taken from students for obtaining valuable suggestions.

Parents:
➢ Meetings are organised with parents
➢ Relevant information about the status of achievement of their wards and necessary actions are discussed in these meetings

Industry:
➢ Facilitating effective interaction with industry to bridge the gap between the industry and academia
➢ Obtaining opportunities for placements through campus recruitments, utilising the institute-industry relations.

Alumni:
➢ Besides the programmes of the alumni association, visits by alumni help students share their real time experience to have knowledge of the demands of the outside world.

5.1.18 What special schemes / mechanisms are in place to motivate students for participation in extracurricular activities such as sports, cultural events, etc?
➢ Various Sports and Cultural committees functioning in the institution
➢ Encouraging students participation in these committees
➢ Various activities, both co-curricular and extra-curricular, are conducted

> ➢ Conducting annual events like sports and cultural festivals ('UDAAN-2016' was the title of the festival conducted in 2016)
> ➢ Motivating the students by conducting orientation classes
> ➢ Extending financial support, wherever necessary

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

The College ensures participation of Women in 'intra' and 'inter' institutional sports competitions and cultural activities.

> ➢ Women sports teams are formed to encourage participation in competitions.
> ➢ Special coaching / facilities are made available to make women participate in sports events.
> ➢ In cultural events, efforts are made to encourage participation by providing needed motivation.
> ➢ Woman physical director is responsible for looking after the interests of the women in sports / games.

5.2 Student Progression

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

The details of the programme wise success rate of the college for the last four years are given in the table.

Name of the Program: UG

S.No	Branch	2015-16	2014-15	2013-14	2012-13
1	CE	89.7	91.2	88.3	89.3
2	ECE	97.1	95	97.2	98.4
3	ME	97.1	93.6	91.3	93
4	CSE	90.7	85.4	94.8	95.2
5	EEE	95.7	95	95.1	92.9

Name of the Program: PG

S.No	Branch	2015-16	2014-15	2013-14	2012-13
1	CSE		100	100	100
2	CSP		100	100	100
3	VLSI & ES		100	100	100
4	TSES	Not Yet Declared	100	100	100
5	CAD/CAM		100	100	100
6	PE		100	100	100
7	Struc.Engg		-	-	-

The College is rated among the best autonomous colleges under JNTUA. It was the first College to be conferred autonomy under JNTUA. There are ten

autonomous Colleges affiliated to JNTUA and the college compares itself well, with the other autonomous colleges.

The college is looked up on as a role model, by the other autonomous colleges of the region and has excelled in performance, compared to other colleges.

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

Students' progression to higher education or employment for the last four batches is given below.

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG to PG	7.65	8.7	15.61	12.8	10.4
PG to M.Phil.	--	--	--	--	--
PG to Ph.D.	--	--	--	0.9	0.92
Ph.D. to Post-Doctoral	--	--	--	--	--
Employed:					
Campus selection	45.4	39.11	35.7	36.4	34.6
Other than campus recruitment	3.2	23.6	31.05	33.05	12.4
Entrepreneurs	--	0.7	0.8	0.8	--

5.2.3 What is the Programme-wise completion rate/dropout rate within the time span as stipulated by the College/University?

Programme	% of Completion rate	% of Dropout rate
UG	93.9%	4%
PG	100%	4.7%

5.2.4 What is the number and percentage of students who appeared/ qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

Details are given below.

Name of the Examination	2012-13	2013-14	2014-15	2015-16
	No. of Students Qualified			
GATE	95	109	72	69
GRE/CAT	4	1	5	2

5.2.5 Provide details regarding the number of Ph.D/ D.Sc./ D.Litt. theses submitted, accepted, resubmitted and rejected in the last four years.

Ph.D admissions were done in the academic year 2013-14

5.3   Student Participation and Activities

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

List of range of sports and games activities available to students:
The College organizes a wide variety of sports and games in its premises. These activities are looked after by the Department of Physical Education. The following facilities are available.
Indoor facilities:
- Gymnasium
- Chess
- Table Tennis
- Shuttle badminton (wooden flooring)
- Basketball

Outdoor facilities:
- Cricket
- Volleyball
- Basketball
- Football
- Throw ball
- Ball badminton
- Ground for athletics

List of range of Cultural and Extra-curricular activities available to students:
Individual and team events like
- Dumb charades
- Quiz
- Elocution
- Debate
- Essay writing
- Dance (Classical and Western)
- Skits
- Mono action
- Mimicry
- JAM

Details of participation:
Every year a large no. of students participate in sports events at the Inter-Collegiate, Inter-University and state levels. Coaching camps are arranged to nurture and develop teams, for participation in various events, every year. Incentives and awards are given to outstanding sports persons.

The cultural and extra-curricular activities are organized by the student members with faculty as the coordinators.

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

Every year large number of students take part in sports and games events / activities conducted at various levels. The achievements of the students during the last four years are briefly presented.

2015-16
- ➢ Nine students took part in JNTUA Inter University Tournaments
- ➢ Five students took part in JNTUA Inter Collegiate Tournaments
- ➢ Thirty two students attended the selection trials of the University of JNTUA
- ➢ A team of students took part in the 'Eenadu Kurnool District Cricket Tournament'
- ➢ Few students are nominated as Volunteers,Ambassdors for IEEE Hyderabad Section and IEEE R10 Region

2014-15
- ➢ Thirteen students took part in JNTUA Inter University Tournaments
- ➢ Five students took part in JNTUA Inter Collegiate Tournaments
- ➢ 29 students attended the selection trials of the University of JNTUA
- ➢ Three students participated in TTD Annamacharya Vocal Competitions. One student won the prize.
- ➢ Two students participated in International Classical Dance Competitions at Hyderabad.
- ➢ One student was selected as Play back singer
- ➢ Few students are nominated as Volunteers,Ambassdors for IEEE Hyderabad Section and IEEE R10 Region

2013-14
- ➢ Six students took part in JNTUA Inter University Tournaments
- ➢ Four students took part in JNTUA Inter Collegiate Tournaments
- ➢ 19 students attended the selection trials of the University of JNTUA
- ➢ A team of students took part in the 'Eenadu Kurnool District Cricket Tournament'

2012-13
- ➢ Three students took part in JNTUA Inter Collegiate Tournaments
- ➢ Five students attended the selection trials of the University of JNTUA
- ➢ A team of students took part in the 'Eenadu Kurnool District Cricket Tournament'.

5.3.3 How often does the College collect feedback from students for improving the support services? How is the feedback used?

The College collects feedback from students for improving the support services at least twice every year. Student feedback is obtained on all support services.

The feedback is analysed and the indication of student satisfaction level is used to improve the support services. Many improvements in the support services, have resulted from the feedback, like addition of new facilities and increasing the capacity of existing facilities

5.3.4 Does the College have a mechanism to seek and use data and feedback from its graduates and employers, to improve the growth and development of the College?

The college does have a mechanism to seek and use data and feedback from its graduates and employers. Feedback is collected on curricula, facilities and overall status of the institution.

Feedback is collected from alumni who are the members of Board of Studies.

For improving the growth and development of the college, this feedback is utilised. Periodic review, based on the suggestions received would help improve the quality of the various processes.

5.3.5 How does the College involve and encourage students to publish materials like catalogues, wall magazines, College magazine, and other material? List the major publications/ materials brought out by the students during the previous academic session.

The College involves and encourages students to make efforts at publishing materials like news bulletins and wall magazines. Students are given an opportunity to prepare themselves for the publishing work, early in their career.

College magazine is brought out periodically and it contains technical and general articles.

To commemorate the 30 years of existence of the college, a special issue of the college magazine was brought out containing different articles. A brief history of the college and its evolution into a premier institution was presented in the form of an article, in the special edition of the college magazine.

Technical magazines / bulletins / news letters are brought out by the departments periodically.

5.3.6 Does the College have a Student Council or any similar body? Give details on its constitution, major activities and funding.

The College does have many student councils / bodies. These are related to Department student chapters, cultural activities, NSS activities etc.

Student activities under the guidance of the faculty advisers are undertaken every year by such councils / bodies.

Fresher's day, Traditional day and Sports and Cultural day are some of the major activities included in this category. Through various associations, the Departments organize technical events.

Funding is mostly from the institution, and in some cases may be from other sponsors.

5.3.7 Give details of various academic and administrative bodies that have student representatives on them. Provide details of their activities.

Active student participation through student councils is encouraged. The institution ensures that students are represented on all the academic and administrative bodies of the institution.

The following are some of the academic committees:
- Class Committee
- Women'Cell Committee
- Studies Welfare & Extra Curricular Activities Committee
- Training and Placement Committee
- Entrepreneurship Development Committee
- Canteen Committee
- Vivekananda Study Circle
- NSS
- Bhuvanavijayam
- ISTE Student's Chapter
- Centre for Awareness & Discussion
- Sports and Games
- Computer Society of India
- ISTE
- IEEE

Activities:

Class committee meets twice every semester and is concerned about syllabus coverage, area of difficulty, identifying academically weak students and performance of the teachers. Student members of the committee take an active role in the conduct of the proceedings and coordinate with the class teacher concerned.

Girl students express their opinions and give their suggestions to improve various women related issues. Besides the above, students also take up peer-sensitization of the students on the consequences of ragging and related laws and Acts.

Any additional information regarding Student Support and Progression, which the institution would like to include.

D.6. 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 become the choicest institute of technology and a hub of academic and industrial research and development.

MISSION:
To provide conducive academic ambience, excellent infrastructure, continually updated lab equipment and committed and scholarly faculty to realize the vision of the college.

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, clearly brings out the distinctive characteristics of the college and reflects the various issues which it is intended to address.

Addressing the needs of the society:
By providing the conducive academic atmosphere and needed physical and human resources, the college, as reflected in the mission is capable of producing well groomed Engineers who can work for the society in their chosen area. The principle of social equity and justice, along with a firm commitment to care for the needs of the society are all imbibed in the approach of the Engineers passing out of the institution, to serve the society.

Students it seeks to serve
The mission statement very distinctly outlines the characteristics envisaged by the college in the outgoing students, who seek to serve the society with sound knowledge and adequate training.

College's Traditions and Value Orientations:
The college has had a long and rich tradition of offering quality education with orientation towards values. As the mission statement defines the scope of learning and development, it would embody the traditional values, nurtured with great care by the college.

Vision for the future:
The mission statement is an indicator for the future efforts and policy matters that need to be undertaken to address the emerging needs of the society, academia and the industry. It would offer a strategic plan, with all stakeholders included in it.

6.1.3 How is the leadership involved in

The Governance of the institution is reflective of an effective leadership, which encourages participative decision making process and helps in building the organizational culture.

The leadership and guidance provided by the apex body, the College Governing Council, has ensured a very effective system development and improvement.

Developmental needs are identified, discussed and reviewed periodically to remove the impediments involved in the functioning of the College and furthering its progress. The governing body supports the college administration with decisions, approvals and developmental matters.

✳ *Ensuring the organization's management system development, implementation and continuous improvement:*

The Governance of the Institution is reflective of an effective leadership. The institution practices participative management system.

The Management system development, implementation and continuous improvement are ensured by the leadership and they reflect the efforts of the institution in achieving its vision. Overall, the institution monitors and evaluates its policies and plans and implements the same for improvement on a continuous basis.

✳ *Interaction with stakeholders:*

The institution formulates its strategic planning and interacts with all the stakeholders.

➢ Alumni meets held every year for effective interaction
➢ Faculty and student issues discussed in institutional meetings
➢ Parents feedback to help in betterment of standards
➢ Interaction with industry through MoUs and collaboration

At various levels the feedback is analyzed and the inputs are taken into consideration in all the management decision making process.

✳ *Reinforcing culture of excellence:*

➢ Experts to lend support in academics and research
➢ Exposing faculty and staff to modern methods of teaching-learning
➢ Fostering a culture of excellence in all spheres of activity
➢ Facilitating students to excel in academic and non-academic activities

✳ *Identifying needs and championing organizational development (OD):*

The developmental needs are identified by the leadership and action plans are prepared involving all the stakeholders. Two types of action plans, one for short term goals and the other for long term development of the institution are prepared.

The Governing body takes care of the developments required on a continuous basis. The decentralized organizational setup has adequate authority coupled with accountability. This would help the organizational development in an efficient and effective manner.

The organizational development is the result of championing of the cause of development, by the entire stake holders, including the management and the administration, and making every effort aimed at the growth of the institution.

6.1.3 Were any of the senior leadership positions of the College vacant for more than a year? If so, indicate the reasons.

No senior leadership positions of the college were vacant for more than a year. All positions have been filled up whenever a vacancy has arisen.

6.1.4 Does the College ensure that all positions in its various statutory bodies are filled and conduct of meetings at the stipulated intervals?

Yes.

6.1.5 Does the College promote a culture of participative management? If yes, indicate the levels of participative management.

The College promotes a culture of participative management, by encouraging decentralization, wherever feasible.

Levels of participative management:

➢ HODs are involved in administration of departments focusing on developmental activities.
➢ Faculty members are made members of different administrative / academic committees and Boards.
➢ Head of the institution seeks participation of HODs in preparation of institutional draft proposals.

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

The nominees as well as the representatives of the University are on different bodies like

➢ Governing Body
➢ Academic Council
➢ Board of Studies

These members / representatives support and guide the academic and administrative mechanisms of the institution.
The University confers permanent affiliation to the institution. University is also responsible for approval and award of degrees for both UG and PG students of the college.

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

The college grooms the leadership at various levels focusing on academic administrative responsibilities coupled with accountability. The hallmarks of the organizational setup are decentralization and transparency.
Decision making and financial powers are vested with the concerned authorities, at different levels. This would result in an expedited administrative process and simplification of the management of issues involved.
Leadership grooming:
The leadership at top, middle level and entry level will be involved in conducting academic and administrative matters. Necessary guidance is provided to groom the future leaders, identified in the early stages and their services are utilized in responsible positions.

The institution had made it a policy to groom leadership, using a system of bringing up, a set of administrators, at various levels, to make leaders available in the future.

Student Level leadership :

To provide opportunities to improve the leadership qualities of students and their organizational capabilities, different platforms are made available to them. Some of the features of these platforms include

- ➢ Leadership qualities
- ➢ Social interaction
- ➢ Self discipline
- ➢ Self confidence

Various student chapters and circles / centers are actively functioning in the college, which groom leadership.

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

Strategy for knowledge management:

- ➢ Fully furnished library along with the digital library plays a vital role in knowledge management.
- ➢ Availability of online journals ensures knowledge acquisition.
- ➢ Guest lectures by the distinguished academicians in various disciplines for effective knowledge acquisition.
- ➢ Workshops / Seminars / conferences for up-gradation of knowledge.

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

✺ *Contributing to national development*

Well trained graduates with quality, passing out of the institution are capable of contributing, in their own way, to the national development. These students who can take responsibilities and have social awareness are an important component of the overall development process of the nation.

Research and innovation practices, to which the students are exposed, can help them in arriving at practical solutions to many of the problems faced by the society and the nation.

✺ *Fostering global competencies among students*

With the growing industrialization and International exposure becoming essential, the student community is encouraged to have interaction, with industry and academia, to foster a spirit of competition and enhance the competencies of the students on a global scale.

Some of the measures in this direction include arrangement of guest lectures / training programmes / workshops inviting experts with adequate international exposure.

✺ *Inculcating a value system among students*

- ➢ Adequate exposure to community service in curriculum
- ➢ Creation of awareness on human values, ethics and the problems like corruption, poverty, unemployment and illiteracy.
- ➢ Exposure to values and standards of life by attending motivational talks by leading personalities from different walks of life.

✴ *Promoting use of technology*

       The institution has taken a lead in promoting the concept of the use of technology among the student community.

       Different research projects focusing on use of advanced technology, which are innovative, are being carried out every year. Some of the project works also come under this category. Students are being encouraged to involve in the use of technology, wherever feasible to advance the cause of technology.

✴ *Quest for excellence*

       The institution, from the early stages of its inception, has been in pursuit of excellence and quality. The Quality Policy outlines the quest for excellence. The accreditations by NBA and NAAC bear testimony to the excellence of the processes of quality sustenance and enhancement.

       In pursuit of excellence, the College has undertaken many innovative practices and is rewarded for all its efforts, by becoming one of the (The First) Autonomous colleges under JNTUA, Ananthapuramu.

       Many centers and forums are functioning in the college aimed at exposing students to the practices of excellence in different areas / fields.

6.1.10 Give details of the UGC autonomous review committee's recommendations and its compliance.

There were eight suggestions offered by the UGC Autonomous review committee which are reproduced below along with its compliance

i. *Faculty: Student ratio should be improved to 1:15, this will reduce the workload of faculty members and that will improve research and consultancy:*
Lot of efforts have been made to attract competent and qualified teachers at all three levels viz, Assistant Professors, Associate Professors, Professors. The Faculty: Student ratio now is 1:16.10 while it was 1:17.40 at the time of review committee submitting its report.(September 2012)

ii. *Modernization of labs / classrooms furniture should be considered on priority basis:*
Modernization of labs / classrooms furniture was taken up on priority basis and the Physics, Chemistry and environmental labs were totally modernized. In all other engineering labs latest equipment has been added. To mention a few Loading frame costing Rs. 25 lacs, Universal Testing Machine costing Rs. 14 lacs, CNC Turner, Miller and Lathe costing Rs.16 Lacs. Almost all classrooms have been converted into e-classrooms. Seminar Gallery-1 was renovated spending Rs.15,00,000/-

iii. *Post graduate programmes should be given importance by the college to the next level. Scholarships for students is one incentive:*
The response to the PG programmes is rather discouraging for extraneous reasons. However the management has come forward to start Ph.D programmes in all five departments and offering stipend also.

iv. *Retired professors from University and other institutions may be recruited for academic administration and research:*
Wherever possible and whenever feasible the management has put in its best efforts to attract retired professors. The number of doctorates has gone up from 35 in September 2012 to 50 in August 2016

  v. *Faculty in all branches must be improved by recruiting senior faculty having doctorate qualification:*
      In this period from September 2012 till date a total of 13 professors with doctoral degree have been recruited.

 vi. *Faculty members should be engaged by deputing to international conferences with financial support:*
      In this period a total of 49 faculty members have been deputed to International conferences with financial support

vii. *Ad hoc appointment of faculty may be replaced by qualified regular faculty:*
      Holding selection meetings frequently is very time consuming and with quite a few procedural hurdles since it is linked up with university. Management would not lose any opportunity to recruit suitable candidates whenever available and offer them regular scale of pay without waiting for regular selections and ratification by the university.

viii. *More budget may be allocated for procuring equipment in all laboratories on yearly basis. Otherwise, after few years, all the existing lab equipments may become obsolete and it will be more burden for the college to purchase new equipments at a time:*
      This suggestion is already implemented and Planning Board proposals approved in the last four years amply demonstrate this fact.

6.2   Strategy Development and Deployment

6.2.1 Does the College have a Perspective Plan for development? If so, give the aspects considered in development of policy and strategy.

The college does have a perspective plan for development. The perspective plan is an important component of the institution's strategy development and deployment process. The leadership provides clear vision and mission to the institution. The aspects considered in development of policy and strategy are

✴ *Teaching and learning*
  ➢ ICT based learning
  ➢ Outcome based education and its implementation
  ➢ Focusing on self learning
  ➢ Continual improvement of teaching techniques

In addition to the above, introduction of choice based credit system and total internal assessment system are the other aspects.

✴ *Research and development*
  ➢ Proactive approach to sensitize faculty on research promotion
  ➢ Incentives to promote research
  ➢ Increase in the number of sponsored research projects
  ➢ Upgrading infrastructural facilities for R&D growth

✴ *Community engagement*
  Community development is being given a priority by the institution. Efforts are being made to involve community and students in several social service activities, that benefit the society. These include
  ➢ Free medical camps
  ➢ Blood donation camps
  ➢ NSS activities like tree plantation etc.,

✳ *Human resource planning and development*

The college has made arrangements to plan and develop its most important human resource i.e. faculty. The following processes are included in the planning and development.

➢ Assessing human power requirements
➢ Recruitment of faculty
➢ Monitoring professional development of faculty
➢ Periodic faculty training programmes

✳ *Industry interaction*

Active interaction is being promoted between institution and industry. To help strengthen the industry-institute interaction various activities are planned, which include:

➢ Industrial visits
➢ Vocational training
➢ Internships / Project works
➢ Workshops / training programmes for students by industry personnel

✳ *Internationalization*

Alumni from abroad deliver guest lectures and help in research activities, so that students are made aware of the global tendencies and benefit from the international exposure.

6.2.2 Enunciate the internal organizational structure of the College for decision making processes and their effectiveness.

The internal organizational structure of the College for decision making processes and their effectiveness is enunciated below.

Governing Council:
➢ Highest decision making body of the institution
➢ Statutory body
➢ Constituted as per guidelines of the regulating bodies

Academic Council:
➢ Ratifies the decisions of Board of Studies
➢ Make regulations for sports and extra-curricular activities.
➢ Recommends to the Governing Body proposals for institution of new programmes of study.

Director:
➢ Executive head of the Institution
➢ Has reasonable autonomy in financial decisions, in consultation with the management.

Principal:
➢ Administrative Head of the Institution
➢ Wields power with regard to administrative and academic matters

Dean of Students Affairs:
➢ Responsible for creating and maintaining supportive environment for holistic development of student

Controller of Examinations:
  ➢ Looks after examinations related tasks assisted by Additional Controllers of examinations

Training and Placement Officer:
  ➢ Looks after tasks related to Training and Placement activities

Head of Departments:
  ➢ Initiate appropriate measures for strengthening teaching-learning processes
  ➢ Adequate freedom to take academic / administrative decisions

Statutory and non-statutory committees look after the academic and administrative procedures. These committees conduct meetings and the minutes are recorded. The following are some of the committees:

Statutory and Non Statutory Committees:
  ➢ Governing Body
  ➢ Academic Council
  ➢ Boards of Studies
  ➢ Finance Committee
  ➢ Grievance Redressal Committee
  ➢ Planning and Evaluation Committee
  ➢ Library Committee
  ➢ Examination Committee
  ➢ Admissions Committee
  ➢ Studies, Welfare and Extra Curricular Activities Committee
  ➢ Anti Ragging Committee
  ➢ Women's Cell
  ➢ Purchase Committee
  ➢ Training & Placement Committee
  ➢ Sports and Games Committee
  ➢ Research & Development Committee
  ➢ Consultancy Cell
  ➢ Entrepreneurship Development Cell

The above committees are functioning in order to facilitate the successful implementation of autonomy.

6.2.3 Specify how many planned proposals were initiated / implemented, during the last four years. Give details.
  ➢ Autonomous status conferred by JNTUA
  ➢ Status of Research centers accorded by JNTUA for all the Departments for guiding research scholars
  ➢ Social service activities made part of curriculum
  ➢ NBA reaccreditation
  ➢ Decentralization of administration
  ➢ Introduction and effective implementation of OBE (Outcome Based Education)
  ➢ Introduction of Add-on courses
  ➢ Initiating the process of NAAC reaccreditation

6.2.4 Does the College have a formally stated quality policy? How is it designed, driven, deployed and reviewed?

The institution has a well defined policy and deployed with a systems perspective. The institution has an action plan and schedules for its future development.

Design:

The quality policy is designed keeping in view the vision and mission of the college. It spells out the inputs of quality and future expectations, contributing to growth of knowledge and nation development. It addresses societal concerns and is designed to serve the society through competence and skills, acquired keeping pace with the industrial and technological developments.

Driving force:

The policy is driven by the collective effort and support of the principal stakeholders. The driving force takes forward, the knowledge base gained, beyond the portals of learning to help and develop the community in particular and the nation in general.

Deployment:

The deployment is carried out through a comprehensive curriculum design with focus on contemporary methodologies acceptable to regulating authorities.

Review:

The Quality policy is reviewed periodically, at various levels of the structure of the organization, to bring out the short comings, if any, and the results of review are used as inputs for any future course of action.

6.2.5 How does the College ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

The college ensures that grievances / complaints are promptly attempted to resolve effectively. The complaints and grievances appeal committee, which is headed by a senior faculty member and constituted as per guidelines attends to and resolves all the grievances and complaints received.

Any grievances, related to faculty and staff, arising at the Department level are resolved by the HOD concerned and in some cases by the Principal.
Class committees are also useful to discuss and solve the student problems.

Mechanism:

A mechanism to analyze the nature of grievances is in place. Academic and non-academic grievances are promptly attended to. This would promote a better relationship among different stakeholders.

6.2.6 Does the College have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

The College does have a mechanism for analyzing student feedback on institutional performance.

The student satisfaction survey, usually conducted at the end of the course of the study, is an integral input for all the policies of the institution. The feedback collected from the students, on the institutional performance, covering a wide range of issues, is used to improve the functioning of the institution.

Response:
The overall functioning of the institution has improved, based on the steps initiated, in response to the information received, from the feedback of students. The satisfactory performance of the institution is an evidence of this response.

6.2.7 In what way the affiliating University helped the College to identify the developmental needs of the College?

The Affiliating University helps the college to identify its developmental needs, in many ways.

- ➢ Conducting academic audit to review the performance of the institution
- ➢ Suggesting improvements, wherever necessary
- ➢ Nominating representatives on various statutory bodies, who provide a linkage between the University and the College
- ➢ Periodic review meetings of different natures give an opportunity for the affiliating University help identify the developmental needs of the College.

6.2.8 Does the affiliating university have a functional College Development Council (CDC) or Board of College and University Development (BCUD)? If yes, In what way College is benefitted.

The affiliating University has functionaries for Academic Planning, evaluation and R&D which perform the role of CDC as defined above.

The college has benefitted to a large extent, from the support, it has received from the affiliating University. The University helps the college maintain its high academic standards and exercise its autonomy in a satisfactory manner.

6.2.9 How does the College get feedback from non-teaching, teaching, parents and alumni on its functioning and how it is utilized.

The institute gets feedback from non-teaching and teaching staff, parents and alumni. To measure and rate its performance from time-to-time, the institution analyses the feedback from the stakeholders.
Feedback from alumni is collected through alumni meetings, alumni portal and alumni visits.
Parents are contacted and they do express their views which help in serving the students better.

Faculty and staff views are solicited by the authorities on the performance and accomplishment of goals. The feedback from all the stakeholders is utilized to arrive at constructive recommendations aimed at the institutional growth.

6.2.10 Does the College encourage autonomy to its academic departments and how does it ensure accountability?

Autonomy:
Academic departments have the freedom
  ➢ To design the content of the curriculum, keeping in view the contemporary developments, subject to the approval of BoS.
  ➢ To design internal components of in – course assessment.
  ➢ To design and offer topics beyond curriculum
  ➢ To design value added courses and programmes
Accountability:
  Accountability is ensured through the following
  ➢ Reconciliation with the scheme of evaluation for the internal evaluation
  ➢ Self appraisal of faculty
  ➢ Student feedback and review on internal evaluation
  ➢ Results analysis

6.2.11 Does the College conduct performance auditing of its various departments?

Yes, periodic performance auditing of its various departments is conducted by the college. The Departments have a set of quality objectives, which are monitored on a regular basis. Some of the parameters which come under scrutiny include
  ➢ Students performance in the final examinations
  ➢ Placements
  ➢ Response to feedback

6.3   Faculty Empowerment Strategies

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

To enumerate professional development of teaching and non-teaching, the following efforts are made:
  ➢ Encouraging faculty to acquire higher qualifications to improve academic competencies and capabilities
  ➢ Sponsoring faculty to participate in pedagogical training programmes
  ➢ Exploring faculty to specialized research facilities in institutes of higher learning and R&D organizations.
  ➢ Modernization of laboratories with research facilities
  ➢ Extending financial assistance, to go abroad for presenting papers at international conferences.
The nonteaching staff are encouraged to
  ➢ Upgrade their skills/capabilities
  ➢ Attend / participate in training programmes and workshops with financial assistance
6.3.2 What is the outcome of the review of the Performance Appraisal Reports? List the major decisions.

Outcome Of the review of the performance appraisal reports:
A well thought over format is used for performance review. The review is done in an objective way. Three levels of review are

- Student feedback on performance of teacher
- Self analysis by faculty
- Department and institutional assessment

Student feedback:

- Rates the acceptance of faculty in terms of content delivery, subject knowledge and approval.

Self analysis:
- Offers scope to understand an individual in wide perspective of multiple role play.

Departmental and institutional level:
- Focuses on one's attitude as a teacher and helps in undertaking the responsibility to play an active and supportive role in the administration by accepting traditional responsibilities at the department and institutional levels, with accountability

The outcome of review of the appraisal report is that it helps in grading and rewarding of faculty. This would result in the development of the institution and individual faculty in different ways. Some of the major decisions include,

- Identifying and reviewing the achievers
- Encouraging innovation
- Devising a pro-active mechanism for self-improvement of faculty

Performance based incentives are given to faculty in deserving cases, based on the performance appraisals.

6.3.3 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?

The staff welfare schemes available are:
- Contributory provident fund
- Gratuity
- Medical leave on half pay
- Academic leave
- Maternity leave for women staff
- Festival / Educational advance for non teaching staff
- Partial reimbursement of health insurance premium

In the last four years, more than 80% of the total faculty / staff have availed the benefit of such schemes.

6.3.4 What are the measures taken by the College for attracting and retaining eminent faculty?

For attracting and retaining eminent faculty the college has taken some measures, which are listed below.

- ➢ Academic flexibility and freedom
- ➢ Pay scales of AICTE
- ➢ Benefits of promotion
- ➢ Incentives for publication of research papers
- ➢ Providing additional grants to externally funded research schemes, if necessary
- ➢ Providing modernized laboratories conducive for research
- ➢ Financial incentives for acquiring higher qualifications like doctoral degree

6.3.5 Has the College conducted a gender audit during the last four years? If yes, mention a few salient findings.

The college has conducted a gender audit during the last four academic years. Some of the salient findings of the gender audit conducted are given below.

Academic Year	Faculty		Staff	
	Gents	Ladies	Gents	Ladies
2012-2013	111	39	110	7
2013-2014	131	39	112	7
2014-2015	137	32	109	7
2015-2016	149	40	109	8
2016-2017	147	51	107	7

6.3.6 Does the College conduct any gender sensitization programs for its staff?

The College has a women welfare cell, which conducts its activities independently. The atmosphere on the campus is cordial and there is no gender discrimination. UGC sponsored workshop was organized from 21st September , 2012 to 25th September, 2012

Women's cell conducted a workshop on 'Women empowerment and gender sensitization' in August, 2014. The workshop was attended by more than 400 girl students and women faculty.

6.3.7 What is the impact of the University's UGC-Academic Staff College Programmes in enhancing competencies of the College faculty?

The faculty attended various programmes organized by UGC-academic staff college and other similar institutions like IITs, IISc., NITTR etc. These programmes help the faculty in getting exposed to the emerging trends in research and pedagogy methods.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of financial resources?

The institute has adequate budgetary provisions for academic and administrative activities. Optimal utilization of the budget is strictly adhered to by the institution. There are established procedures and processes for planning allocation of financial resources.

The various mechanisms to monitor the use of financial resources.
- ➢ Budgetary reviews on an annual basis
- ➢ Allotments to different departments
- ➢ Decentralized financial powers and limits
- ➢ Resource mobilization through sponsored schemes / projects

6.4.2 Does the College have a mechanism for internal and external audit? Give details.

The college has a mechanism for internal and external audit.

<u>Internal Audit:</u>
- ➢ Conducted by preparing and reviewing income-expenditure statements
- ➢ Conducted annually

<u>External Audit:</u>
- ➢ Conducted by an independent chartered accounting agency
- ➢ Conducted annually

Reports are submitted to the governing body of the institution along with the annual budget proposals, for review and approval.

6.4.3 *Provide audited income and expenditure statement of academic and administrative activities of the previous four years.*

The audited income and expenditure statements of the previous four years are enclosed at the end of the report.

6.4.4 Have the accounts been audited regularly? What are the major audit objections and how are they complied with?

Yes, regular audit of accounts is taken up by an authorized chartered accountant. No audit objections have been recorded.

6.4.5 Narrate the efforts taken by the College for resource mobilization.

A major portion of the resource mobilization is through the tuition fee collected from the students. The institution also supplements its resources in many ways, like

- ➢ Expanding consultancy services for Revenue generation
- ➢ Grants from sponsored Research and Development projects from funding agencies
- ➢ Offering value added programmes resulting in resource mobilization

6.4.6 Is there any provision for the College to maintain the 'corpus fund'? If yes, give details.

The College has deposited (amount stipulated by the University) in the Joint account of College and university towards the corpus fund which was withdrawn after the college was given permanent affiliation.

6.5 Internal Quality Assurance System

6.5.1 *Does the College conduct an academic audit of its departments? If yes, give details*.

The College conducts an academic audit of its departments. As part of requirement of autonomy the academic audit is undertaken by preparing the SSR of the institution, on an annual basis. Necessary initiatives are taken up for continual improvement. External audit is also conducted at regular intervals.

Apart from these, fact finding teams from the University, visit the college every year.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

Based on the recommendations of the academic audit, the following measures have been taken by the college.

- ➢ Consistency among lesson plans, teaching diaries and syllabus coverage reports are verified to improve the teaching-learning process.
- ➢ Consistency of the evaluation process with the lesson plans is also verified.
- ➢ Attainment levels of course outcomes are introduced.
- ➢ Preparation of common question papers for same subjects for different sections.

6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

To continuously review the teaching-learning process, a central body viz the Academic Council has been established. This is a statutory body fulfilling the requirement of autonomy. It regularly monitors and reviews teaching and learning processes. It is having all the Heads of the Departments and senior faculty as members and principal as its chairman. The council meets frequently and takes decisions regarding all academic matters. It also approves and ratifies the decisions of the Boards of Studies. Besides the Academic Council several committees are also engaged in reviewing the teaching-learning process continuously.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

IQAC has contributed in institutionalizing Quality Assurance Strategies and processes. The periodic audits have proved to be very effective in assimilating quality. The audit provides an effective feedback mechanism for improvement.

IQAC plays a major role in achieving quality by conducting regular audits which are undertaken for quality checks. Quality is ensured by review and monitoring of the various processes.

6.5.5 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

The IQAC has external members on its committees.

Some of the significant contributions made by such members:

- ➢ Suggestion to have common question papers for same subject for different sections.
- ➢ Suggestion on imparting skills to students to improve employability and appear for competitive examinations.

6.5.6 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

The IQAC has conducted a study on the incremental academic growth of students from disadvantaged sections of the society.

These students need more attention and require special care. The progress of these students is recorded in the students' information report. The faculty responsible for monitoring the performance of these students offers counseling, advice and keeps track of the progress made by them.

6.5.7 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

There are policies in place for the periodic review of the administrative and academic departments and subject area.

- ➢ Service rules and policies are published and communicated to all the employees
- ➢ Following academic regulations prescribed by the BoS and approved by Academic Council.
- ➢ Sanction of institutional level in-house projects to encourage research activities.
- ➢ Opinions of experts / academicians to form the basis for changes in subject content.

Any additional information regarding Governance, Leadership and Management, which the institution would like to include.

D.7. CRITERION VII: INNOVATION AND BEST PRACTICES

7.1   Environment Consciousness

7.1.1   *Does the College conduct a Green Audit of its campus?*

The institution is sensitive to various environmental issues and adopts environment friendly practices. The institution shows a firm commitment to preserve and protect the environment.

Green cover:
Developing and maintaining greenery, is given priority. The green cover encompasses $1/3^{rd}$ of the campus land area. Large shade giving trees like Azadirachta (Neem), Millettia pinnata (Kanuga), Plumeria (Devaganneru) are found along side lush green lawns, in the campus.

Reducing carbon emission:
The institution has ensured that it would fulfill its social responsibility of reducing carbon emission using renewable energy resources like solar power. Conventional lighting is replaced with CFL and LED lamps. The institution limits the use of vehicles by encouraging institutional and public transport facilities. Laboratories take adequate care and necessary measures to neutralize any emission of chemical fumes.

The institution may not have conducted a green audit of its campus but it has in place adequate and appropriate mechanisms to prevent any damage to the surrounding environment.

7.1.2   What are the initiatives taken by the College to make the campus eco-friendly?
* Energy conservation
  ➢ Need for artificial lighting is being reduced by maintaining well ventilated class rooms.
  ➢ Creation of awareness and sensitization of students on methods of energy conservation.
  ➢ Phasing out the conventional lighting by replacing with CFL and LED lamps.
  ➢ Use of air conditioners only at essential places
  ➢ Replacement of CRTs with LED monitors
* Use of renewable energy
  ➢ Green initiatives like 100kW (2 Nos.) Solar power plants are now in function.
  ➢ Sensitization on energy conservation methods as a social activity and service.
  ➢ Solar heaters and street lights are being used.
* Water harvesting
  ➢ Rain-water harvesting project undertaken.
  ➢ Facilities for ground water recharge.
* Check dam construction
     No Check dam has been constructed in the college campus as the

     topography does not permit any such construction.

* Efforts for Carbon neutrality
  - Preventive measures taken to check the emission of Carbondioxide
  - Limiting the use of motor vehicles by encouraging public transport.
  - Reducing atmospheric pollution by disposing of waste in the dug pits.
  - Reducing generator usage, recycling food waste and annual mechanical maintenance of vehicles to maintain environmental standards.

* Plantation
  - Maintenance of greenery in campus is outsourced.
  - Well laid lawns trees and plants enhance the greenery of the campus lending natural beauty.

* Hazardous waste management

  Disposal of waste, to prevent any hazardous effects, is undertaken.

* e-waste management

  Computer peripherals and some obsolete electronic equipment are disposed off in appropriate manner. Auctioning is also undertaken, whenever required.

* Any other

  Creation of awareness in and around the campus, through service organizations on environmental degradation, need for protection of environment, water conservation and public health.

7.2 Innovations

7.2.1 Provide details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.

2010-2020 has been declared as "**Decade of innovation**" in India, to instill the innovative fervor in the country. In tune with this, the institution is striving hard to promote individual innovation as well as research, for sustainable growth and development.

The institution makes every effort to help students understand the importance of innovative traits and other influencing factors, involved in the processes of progress and development.

The details of innovations which created a positive impact on the functioning of the college are given below.

a) *Consistent interaction with stakeholders:*

The institution has undertaken initiatives to have a consistent and fruitful interaction with all the stake holders involved, for its efficient and effective functioning.

Alumni, industry experts, parents and students have been involved in the process of identifying the changing educational, social and market demands. Their suggestions and initiatives promote an ambience of creativity and innovation in all spheres of academic progression there by lending quality enhancement.

Impact:

The interaction with all the stakeholders has acted as a catalyst for the processes of identifying market demands, course content requirements and the need for updating the content, in tune with global standards.

Overall, the interaction has had a positive impact of quality enhancement in all matters of academic growth and development.

b) *Mandating social work and cultural activity:*

For students of UG programmes, the social work and cultural activities, introduced in their course of study, have resulted in inculcating social responsibility, ethical values, cultural enhancement and good citizenry, among them.

The institution has taken measures to promote inclusive practices for social justice, among all section of the society. The tuition fee reimbursement scheme of Government of AP is being executed effectively and beneficiaries have almost doubled, in the last four year period.

Impact:

The graduates, passing out of the institution, are equipped with adequate moral values, understanding of social responsibilities, professional ethics and cultural integration as a result of the Social work and cultural activities being made part of the overall teaching-learning process.

c) *Development programmes for faculty and students:*

i) *Faculty development programmes:*

To enhance the quality of teaching-learning process and to promote the culture of research, many initiatives have been taken by the institution aimed at the overall development of the faculty.

Faculty are encouraged for their Ph.D programmes and are given incentives for their publications. To add value to the education and keep abreast of the latest developments in pedagogy, training programmes / workshops are conducted inviting persons of eminence.

ii) *Student development programmes:*

Well groomed students with their acquired skills are employable and become industry ready. The institution pays much attention to the development of students by undertaking several programmes aimed at their overall development. Some of these include,
➢ Professional society activities
➢ Personality development programmes by trainers
➢ Orientation programmes
➢ Coaching classes
➢ Guest lectures

Impact:

The faculty and student development programmes are likely to give an additional advantage and edge to the institution in maintaining quality standards. Faculty are able to perform better and students acquire the qualities which enable inclusive growth.

d) *"Research for Growth"(RFG) Programme:*

RFG is an innovative and ambitious programme launched by the institution to enhance the quantum of research and its quality.

The programme is aimed at achieving long term objectives of development of R&D activities. The institution is geared up to achieve and accomplish the task it has set for itself.
Well qualified, experienced and dedicated faculty are given adequate encouragement and provided with many opportunities, to initiate measures aimed at the improvement in the R&D scenario.

Impact:

Periodic reviews are conducted to monitor and assess the progress under the RFG programme. The number of publications has shown a steady increase as well as the research projects undertaken by the faculty.

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.
Format for Presentation of Best Practices

Best Practice-1:

1. *Title of the Practice:*
   Five Day Orientation Programme for I B. Tech students.
2. *Objectives of the Practice:*

   ➢ To impart knowledge about the Engineering programmes and to create an awareness on the importance of self learning among the student community.
   ➢ To promote the concepts of innovation, essence of Engineering and Physical fitness.
   ➢ To familiarize the students with the career options, opportunities for higher education and entrepreneurship.
   ➢ To create and build the cultural base among the young students to develop in them a personality with social concern and human values.
   ➢ To create and buildup confidence in the young minds to face the problems and difficult situations in life.

3. *The Context:*

   The design and implementation of the practice is intended to address various issues which are related to the overall development and growth of an Engineering student.

The evolution of a young Engineering student into a successful professional engineer, would have to begin with an exposure to a wide range of events and activities, from culture to body matters.

Contextual features:

➢ Fresh students entering the portals of the college, with the intention of acquiring knowledge and aiming at overall development, must be initiated into the processes, early in their career. The programme acquires significance in this context.

➢ An approach to assimilate the various aspects of Engineering education, professional and human ethics, cultural practices and Physical fitness would be of immense benefit to a beginner. The programme extends this benefit to all the fresh students.

4. The Practice

The uniqueness of this practice is that, it would provide the fresh students with a direction, to make them realize the importance of attending programmes of this nature, where the knowledge transfer would be of immense value. The programme would provide a platform for the students to learn from various sources and focus on their overall development. It is a practice that is made use of by the college to initiate fresh students into the world of Engineering and professionalism.

The practice had been carried out for the last three years. No constraints were faced in the implementation of the practice.

The practice focuses on the various aspects of personality development, career options, alumni interaction, culture, Sports and Games, Yoga, Meditation and Essence of Engineering.

Spread over five days, the programme exposes the students to lectures / presentations / demonstrations on various issues. Guest speakers / experts / artists from different fields interact with the students during the week long programme. The various components which make up the five day programme are

➢ Service activities
➢ Body Matters
➢ Virtuoso (Literary and cultural activities)
➢ Essence of Engineering
➢ Personality Development

Field visits and practical sessions along with lectures / speeches / presentations are arranged, utilizing the facilities available.

The practice has the limitation of being planned for one week (Five days) only. Due to the tight academic schedule, more time cannot be utilized for the conduct of the orientation programme. Social service activities and the field visits to understand the situation on the ground and interact with the society, need more time and this undoubtedly is a constraint. But given the efforts that go into making the five day programme effective, the constraint could be overcome to yield satisfactory results.

The practice and the participation in it, result in a good physical and psychological tuning of one's personality and create social consciousness among students. The cultural awareness imbibed brings out the human values and elevates the ethical standards among the student community.

5. *Evidence of Success:*

The targets that were set for the programme have been achieved to a considerable extent. The effectiveness of the programme and the confidence levels it has built among the students are indicators of the success that has been evident.

The belief of success has emanated from the following observations
➢ Attendance on all the five days is very satisfactory
➢ Student involvement and interaction levels are high
➢ Feedback obtained at the end of the programme clearly indicates the success levels achieved.
➢ The programme has resulted in promotion of innovation and culture among the students as evidenced by the many comments made by the students.

There are targets and benchmarks against which performance is measured like student attendance, active participation, enthusiastic response, involvement and above all interaction with the guest speakers / experts / artists.

The results indicate that the programme has been able to influence and affect the student community through various guest lectures / demonstrations / performances / speeches.

The effects have been observed on the following aspects.
➢ Personality development
➢ Attitude and behavior
➢ Team work and leadership
➢ Human relations
➢ Interpersonal skills
➢ Service activities

6. *Problems Encountered and Resources Required:*

To arrange and organize the various activities, which are part of the five day orientation programme, a few problems have been encountered. Mostly, these relate to the finding of resource persons from various fields like Engineering education, Physical education, Art & Culture, Professional and Human Ethics and Performing arts.

To find resource persons, who can guide the young minds and motivate them sufficiently besides imparting knowledge and wisdom, is a difficult job. Selection of appropriate resource persons and managing their schedules is work to be attended to with care and caution.

All the infrastructure and facilities are in place for conducting the five day programme. Mobilization of financial resources does not pose any problem. Any additional commitments are also met by providing necessary resources.

7. *Notes:*

The institution is the only one, in the region, conducting a five day orientation programme for the I B.Tech students. This could be setting a standard for others to follow and implement.

Best Practice-2:

1. *Title of the Practice:*
Ten minutes talk / presentation by students in each class.

2. *Objectives of the Practice:*

➢ To improve the communication skills of the students.
➢ To raise the self confidence
➢ To train the students in preparation of presentations / speeches.
➢ To positively impact the placement opportunities of the students by enabling them to face the interviews with confidence.

3. *The Context:*

Engineering students are required to be groomed to become able professionals having requisite skills in engineering, in the field of their study. Besides the professional knowledge and skills, the requirement of employable students by the industry / organizations, includes communication skills.

The talk / presentation by students is designed to address the issue of improvement in communication skills. The challenges a student is likely to face, during the course of the study ,are many and varied. The most important challenge that a student has to address is communication.

The practice assumes significance in this context. Its implementation would pave the way, for addressing the basic needs, the employer would expect of students, in the process of recruitment, that is communication skills.

4. *The Practice*

Realizing the importance of communication skills, the institution has evolved a practice of insisting that each student shall give a talk / presentation in the first ten minutes of the each class. In each course of study, the faculty would, by rotation, give chance for every student to give the talk / presentation at least once during entire semester.

The practice is followed in every course of study and as there are about five / six theory courses in each semester, the student will get an opportunity to give talk / presentation five to six times every semester. This would give the student enough preparedness. During the entire programme the student is presented with ample opportunities to improve and fine tune the communication skills.

The uniqueness of the practice in the context of higher education is that, the participation of students would give them exposure to public speaking, help them in enhancing their performance and develop their communication skills.

The practice has certain constraints / limitations in the sense that, not all the students are willing to come forward to present the ten minute talk / lecture. It requires a continuous effort from the faculty member to conduct the practice in a smooth and uninterrupted manner.

Students come to know of their deficiencies, drawbacks and limitations when they present their talk / lecture and there is always scope for improvement, better performance and fine tuning.

The practice had been carried out for the last few years and the focus is on achieving the desired results like, preparing students to overcome their inhibitions and improvement in oral presentations.

5. *Evidence of Success:*

The practice had proved to be very successful and the performance against the benchmarks and targets is satisfactory.

The introduction of the practice and its implementation is yielding good results and the evidence of success is in the form of feedback, which is positive and encouraging. The practice is likely to spur the growth of communication skills among the students.

The evidence of success of the practice could come at the end of the programme of study with the placement record showing a steady rise. The long term impact of the practice could positively influence the recruitment related processes, where communication skills are essential and primary requirement.

The results, though preliminary in nature, suggest that the students are getting used to the practice and there has been a realization on their part that this practice would definitely benefit them in the long run.

6. *Problems Encountered and Resources Required:*

The implementation of the practice is not without problems and some problems are encountered. It becomes difficult to motivate all the students to participate and perform. The problem lies with academically weak and below average students, who are unwilling to participate.

Some students are unwilling to take part in the practice and a possible reason could be not realizing the importance of development of communication skills.

It may not be possible to maintain the schedule drawn up at the beginning of the semester, because of several reasons like
- ➢ Student being absent on the day of the talk / presentation.
- ➢ Student wants the postponement of the date of the talk.
- ➢ Student has come without preparation.

Required resources are readily available and the implementation would be possible in a smooth and continuous manner.

7. *Notes:*

The practice is very much relevant in the present day context of Engineering education, where every employer is expecting good communication skills in the candidates and the practice aims at the improvement of the same. It could be implemented / adopted by other institutions for positive results.

Any additional information regarding Innovations and Best Practices, which the College would like to include.

E.1 Evaluative Report of Civil Engineering Department

1. Name of the Department & its year of establishment :
   Civil Engineering Department, 1985

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):
   UG: B.Tech - Civil Engineering
   PG: M.Tech – Structural Engineering
   Ph.D : Civil Engineering

3. Interdisciplinary courses and departments involved :

Sl No	Course Name (UG)	Department
1	Optimization Techniques	ME
2	Artificial Intelligence and Expert Systems	CSE
3	Nanotechnology	ECE
4	Introduction to Information Systems	CSE
5	Mechatronics	EEE
6	Control and Automation	EEE
7	Web Development Programme	CSE
8	Remote Sensing and GIS	CE

4. Annual/ semester/choice based credit system:
   Semester- Credit Based Grading System

5. Participation of the department in the courses offered by other departments:

Name of the course	Offering Department (other)
Fluid Mechanics & Hydraulic Machinery Lab	Electrical and Electronics Engineering Department
Mechanics of Solids & Fluids Lab	Mechanical Engineering Department

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	3	4
Associate Professors	6	4
Asst. Professors	18	21

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.P.Jayarami Reddy	Ph.D	Professor & Director	Water Resources Engineering	45	

2	Prof.M.Basha Mohiddin	M.E	Professor	Water Resources Engineering	30	
3	Dr.T.Chandra Sekhara Reddy	Ph.D	Professor	Structural Engineering	31	
4	Dr.J.V. Gurumurthy	Ph.D	Professor	Geotechnical Engineering	31	
5	Sri.K.V.S.G.K. Sastry	M.E	Associate Professor	Structural Engineering	26	
6	Dr.S.Radha Krishna	Ph.D	Associate Professor	Geology	29	
7	Dr.K.Chinnapa Reddy	Ph.D	Associate Professor	Geotechnical Engineering	21	
8	Dr.B.J.S. Varaprasad	Ph.D	Associate Professor	Water Resources Engineering	25	
9	Sri.G.Nagesh Kumar	M.Tech	Sr.Asst. Professor	Structural Engineering	29	
10	Dr.E.Sanjeeva Rayudu	Ph.D	Assistant Professor	Environmental Engineering	11	
11	Smt.Sowjanya	M.Tech	Assistant Professor	Transportation Engineering	11	
12	Sri.V.Giridhar Kumar	M.E	Assistant Professor	Structural Engineering	23	
13	Sri.K.V.Ramana	M.Tech	Assistant Professor	Structural Engineering	5	
14	Sri.M.Srinivasula Reddy	M.Tech	Assistant Professor	Structural Engineering	9	
15	Sri.V.K. Visweswara Rao	M.Tech	Assistant Professor	Structural Engineering	17	
16	Sri.S.V.Garata Reddy	M.E	Assistant Professor	Geotechnical Engineering	3	
17	Sri.P.Raghavendra	M.Tech	Assistant Professor	Structural Engineering	13	
18	Sri.K.Sudhakar Reddy	M.Tech	Assistant Professor	Infrastructure Engineering	1	
19	Sri.E.Dhanunjaya	M.Tech	Assistant Professor	Transportation Engineering & Management	1	
20	Ms.M.Jyothsna	M.Tech	Assistant Professor	Water Resources Engineering & Management	1	
21	Ms.K.Tharani	M.Tech	Assistant Professor	RS & GIS	1	
22	Sri.K.Satish Kumar	M.Tech	Assistant Professor	Water Resources Engineering	1	

23	Ms.M.Deepthi	M.Tech	Assistant Professor	Structural Engineering	1	
24	Sri.S.Faiaz Basha	M.Tech	Assistant Professor	Structural Engineering	0	
25	Ms.K.Madhavi Latha	M.Tech	Assistant Professor	Structural Engineering	0	
26	Ms.S.Satya Deepika	M.Tech	Assistant Professor	RS & GIS	0	
27	Ms.K.Sai Lakshmi	M.Tech	Assistant Professor	Structural Engineering	0	
28	Sri.C.Reddy Varaprasad	M.Tech	Assistant Professor	Environmental & Water Resources Engineering	0	
29	Sri.K.Ramesh	M.Tech	Assistant Professor	Structural Engineering	2	

8. Percentage of classes taken by temporary faculty – programme-wise information:
   NIL
9. Programme-wise Student Teacher Ratio

   B.Tech   :   360/26   1: 13.85
   M.Tech   :   36/3   1: 12.00

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled:

	Sanctioned	Filled
support staff	6	6
administrative staff	4	4

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Details of funded projects (During last five years)

S.No	Name of the faculty	Title of the project	Funding Agency	Grants received (Rs.)	Type of Funding Agency	Date of sanction
1	Dr.J.V.Guru Murthy	Use of cushion to reduce the swell potential of expansive soils	AICTE	4,15,000	National	Dec 2011
2	Sri.E.Sanjeeva Rayudu	Removal of flouride, use of natural coagulant aid	UGC	75,000	National	April 2013
3	Sri.M.Srinivasula Reddy	A study on strenth and binding properties of flyash based geopolymer concrete	UGC	2,95,000	National	March 2014

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:

<div align="center">NIL</div>

13. Research facility / centre with
    o state recognition
    o national recognition
    o international recognition

 Department has been recognized as Research centre by JNTUA, Anantapuramu

14. Publications:

   * number of papers published in peer reviewed journals (national / international)
   * Monographs
   * Chapter(s) in Books
   * Editing Books
   * Books with ISBN numbers with details of publishers
   * number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
   * Citation Index – range / average
   * SNIP
   * SJR
   * Impact factor – range / average
   * h-index

Details of Faculty Publications (During last five years)

S.No	Academic year	Total No. of Faculty	Publications by the faculty in		
			Conferences	Journals	Total
1	2015-16	29	3	13	16
2	2014-15	22	1	19	20
3	2013-14	22	7	7	14
4	2012-13	20	2	4	6
5	2011-12	18	9	6	15

15. Details of patents and income generated: NIL

16. Areas of consultancy and income generated:

Details of Consultancy (During last five years)

S.No	Academic Year	Income generated (Rs.)	Areas of consultancy	Major Clients
1	2015-16	15,38,050	Soil and material testing,Concrete Mix Design,Land surveying,Water quality testing	Government and Non – Government Organizations like Power Grid, R& D, APSPDCL,Municipal Corporation etc.,
2	2014-15	12,20,675		
3	2013-14	16,64,898		
4	2012-13	11,71,200		
5	2011-12	11,76,182		

17. Faculty recharging strategies

The department has adopted the following recharging strategies for the faculty to enhance their knowledge and teaching skills. The faculty members of the department are regularly are sponsored to attend various SDPs:

1) International/National Workshops
2) International/National Conferences/Seminars
3) Guest Lectures
4) Training programmes
18. Student projects
   o percentage of students who have done in-house projects including inter-departmental
   o percentage of students doing projects in collaboration with industries / institutes

Details of projects (During last five years)

B.Tech Projects:

S.No	Academic Year	Total No. of students	Students done in-house projects including inter-departmental		Students done projects in collaboration with industries/Institutes	
			No. of students	No. of Projects	No. of students	No. of Projects
1	2015-16	139	137(98.57%)	39	2(1.43%)	2
2	2014-15	142	136(95.77%)	44	6(4.23%)	6
3	2013-14	139	127(91.37%)	43	12(8.63%)	12
4	2012-13	134	105(78.35%)	18	29(21.65%)	29
5	2011-12	127	84(66.14%)	12	43(33.86%)	43

M.Tech Projects:

S.No	Academic Year	Total No. of students	Students done in-house projects including inter-departmental		Students done projects in collaboration with industries/Institutes	
			No. of students	No. of Projects	No. of students	No. of Projects
1	2015-16	17	17(100%)	17	0(0%)	0
2	2014-15	14	13(92.86%)	13	1(7.14%)	1
3	2013-14	13	11(84.61%)	11	2(15.38%)	2

19. Awards / recognitions received at the national and international level by
   o Faculty :
        NIL
   o Doctoral / post doctoral fellows :
        NIL
   o Students :

Mr. Shaik Bepari Fayaz Basha Received PRATHIBHA AWARD-2014 from AP government for his B.Tech Degree
Good number of students are participating in various events organized by the other institutions/organizations at state level and national level and winning awards/prizes/medals. The following is the list of awards/prizes received by the students.

Details of prize winners

S.No	Name of the student	Class	Name of the event/contest	Date(s)	Name of the Institution/organization	Prize
2015-16						
1	D.Muneiah	IV	Debate in RACE2K16	10-03-2016	JNTUA	II
2014-15						
1	Divakar Naidu	IV	Plan with Brain		Sri Vidyanikethan College of Engg.,Tirupati	II
2013-14						
1	A.Deepthi	II	Paper Presentation	25-26 March 2014	CBIT,Hyderabad	II
2	M.Asif Pasha	III	Fector, Cultural Event	21-23 Feb 2014	NIT,Warangal	II
3	G.V.N.Karthik	III	Fector, Cultural Event	21-23 Feb 2014	NIT,Warangal	II
2012-13						
1	R.Susmitha & A.Raveena Takur	III	Paper Presentation	14-15, Sep 2012	RGMCET, Nandyal	I
2	T.M.Vijay Kumar	III	Paper Presentation	11-01-2013	Vemu Institute of Technology, Chittoor Dt.	I
3	T.M.Vijay Kumar	III	Paper Presentation	25-02-2013	Sri Venkateswara College of Engg. & Tech.Chittoor	I
4	A.Sai Charan	III	Technical Quiz RACE 2013	01-03-2013	JNTUA	I
5	M.Ranganath & Y.Naga Satyesh	III	Paper Presentation	01-03-2013	JNTUA	II
2011-12						
1	V. Koteswara Reddy& N. Sarath Kumar	III	FACETS VITA 2K11, Prudhvi	21, 22 Sep 2011	Visvodaya Engineering College, Kavali	I
2	Y.C. Radha Reddy&T.Tharani	III	Technozion11 per contest	23, 25 Sep 2011	NIT Warangal	I
3	V.Sreenath	II	Nietrogen-2k11, c-coding	9&10th -2011	Netaji College of Engineering Nalgonda	I
4	K.S.Monish Rao	II	A Two day National level TechnicalFeast	12-13 Oct 2011	NRI Institute of Technology, Guntur	I

5	R. Swetha	II	CILPI – 2K11, Quiz	12-13 Oct 2011	Bapatla Engineering College	I
6	Vemula Srinath	II	Wissenaire'12 "Codec"	20-22 Jan 2012	IIT Bhubaneswar	I
7	Vemula Srinath	II	Debugging	9 – 10 Jan 2012	Narayana Engineering college, Nellore	I
8	Vemula Srinath	II	Workshop, E-matlab	29- 30 Dec 2011	Horizon(A unit of MBS Group)	I
9	K.Praveen & K.Kethan Sharma	II	Creadors 2k12 Paper contest	9-10 March 2012	SVU, Tirupathi	II
10	J.Jaya Vardhan	II	Nirmaan 2012 Labyrinth treasure hunt	9- 11 March, 2012	OU, Hyderabad	I

20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No.	Title of Seminar/Conference/Workshop	Date(s)	Source of funding
1	Regional Conference on "Growth of R&D in Engineering Institutions"	28-01-2016	GPREC
2.	One day national level workshop on "Construction Practices of Pavements on Clayey Subgrade" (CPPCS)	20-10-2012	GPREC
3	One-Day National Level Workshop on "Role of Geotechnical Engineering in Infrastructural Development" (RGEID)	07-01-2011	GPREC

21. Student profile course-wise:

Name of the Course (refer question no.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
B.Tech:					
2012-16	NA	85	35	88.4	92.6
2011-15	NA	88	32	88.80	97.3
2010-14	NA	87	33	84.2	97.6
2009-13	NA	80	40	88.6	90.9
M.Tech:					
2014-16	NA	13	5	-	-
2013-15	NA	12	6	100	100
2012-14	NA	12	5	100	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
B.Tech				
All batches	---	100	---	---
M.Tech				
2015-16 (18)	5(27.78%)	13(72.22%)	---	---
2014-15 (17)	2(11.76%)	15(88.24%)	---	---
2013-14 (18)	3(16.67%)	15(83.33%)	---	---
2012-13 (17)	3(17.65%)	14(82.35%)	---	---

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Details of GATE and other competitive examinations qualified Students (During last five years)

S.No	Academic Year	No. of students qualified in		Remarks
		GATE	Other	
1	2015-16	18		
2	2014-15	15		
3	2013-14	33		
4	2012-13	10		
5	2011-12	10	GRE – 2, TOEFL –1, CAT -1	

24. Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG to PG	7.19	12.68	28.06	21.64	14.17
Employed:					
Campus selection	7.91	9.15	8.63	11.94	23.62
Other than campus recruitment	4.32	7.04	9.35	7.46	14.17
Entrepreneurs	--	0.7	--	--	--

25. Diversity of staff

Percentage of faculty who are graduates

of the same parent university (SKU/JNTUA)	:	**43**
from other universities within the state	:	**39**
from other universities from other States	:	**18**

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Details of faculty awarded Ph.D (During last five years)

S.No	Name of the faculty	Year of Ph.D Award	University
1	Dr.B.J.S.Varaprasad	Feb 2012	JNTUH
2	Dr.K.Chinnapa Reddy	Jan 2013	AU

27. Present details about infrastructural facilities
    a) Library   : **1 (Department Library)**
    b) Internet facilities for staff and students   : **Adequate**
    c) Total number of class rooms   : **6**
    d) Class rooms with ICT facility   : **6**
    e) Students' laboratories   : **9**
        1. Concrete Lab
        2. Material Testing Lab
        3. Surveying Lab
        4. Computer Lab
        5. Geotechnical Engineering Lab
        6. Transportation Engineering Lab
        7. Fluid Mechanics & Hydraulic Machinery Lab
        8. Engineering Geology Lab
        9. Environmental Engineering Lab
    f) Research laboratories   : --

28. Number of students of the department getting financial assistance from College.

Details of students getting financial assistance from the college
(Scholarship holders from GPR Charities Trust)

S.No	Academic Year	No. of students	Roll No's of the students got financial assistance from the college
1	2015-16	3	159X1A0139,144,165
2	2014-15	1	149X1A0117
3	2013-14	5	139X1A0140,153,157,188,1A4
4	2012-13	1	129X1A0130

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, Department meetings are conducted by head of the department, opinions and advices have been taken from faculty regarding development/introduction of new programme(s). The same information is forwarded to BOS meeting for discussion and approval.

30. Does the department obtain feedback from
    a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

    Yes, Department meetings are conducted by head of the department, opinions and advices have been taken from faculty regarding changes in the content of syllabus of the subject(s).
        The same information is forwarded to BOS meeting for discussion and approval.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
   Yes, feedback is taken periodically and any corrective measures or improvements are suggested as deemed fit.

c. alumni and employers on the programmes and what is the response of the department to the same?
   Yes, Alumni members feedback has been helping the department in modification of the curriculum relevant to the industry and incorporating in the syllabus.

31. List the distinguished alumni of the department (maximum 10)

S.No.	Name	Year of Passing	Designation	Name of the Organization
1	Vikas Sinha	1984-88	Sr.Vice-President	C.A.Technologies, USA
2	G.V.Ashok Kumar	1986-90	Deputy Commissioner of Police (DCP),Vijayawada	Govt. of Andhra Pradesh
3	Dr.Krishna Sandepudi	1984-88	Vice-President,	Aarvee Associates, Hyderabad
4	Katlamudi Prasad	1984-88	Executive Engineer	Govt.of Telangana
5	Surendranatha Reddy Komma	1985-89	Project Manager	Deloitte
6	T.Sridhar Reddy	1985-89	Entrepreneur	Construction Company, Bangalore
7	P.Siva Prasada Reddy	1985-89	Project Manager	IBM
8	Sridhar Naidu	1988-92	Delivery Manager	IBM
9	Adikrishnaiah Badrinath	1988-92	Director(Operations)	Global Petro Chemical Processes Inc.
10	Venkateshwar Reddy	1987-91	General Manager	Neha International Ltd

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Details of Guest/Special Lectures organized

Academic Year	S.No	Date	Topic	Name of the External Expert
2015-16	1	15-12-2015	Concrete technology(field knowledge on construction industry)	Sri K.Pratap Reddy
	2	30-12-2015	Demonstration class on PRIMAVERA Software	Mr. M Linga Prasad, Project manager (Alumni of our college)

	3	04-01-2016	Irrigation structures	Sri N.Mallikarjuna, Asst. Engineer, Dept. of Water Resources,Govt. ofAP.
2014-15	1	21-07-2014	Understanding Behavior of Structures	Dr. S.S. Krishna Vice President (Structures) aarvee associates,Hyderabad
	2	15-10-2014	Irrigation Scenario in A.P., Particularly in Rayalaseema Region	Er. Y. Abdul Basheer E-in-C (Retd.),Member, Technical Advisory Committee I & CAD Dept. Govt. of A.P.
2013-14	1	15-07-2013	Seepage Effects on Open Channel Flow	Dr. G. Sreenivasulu Professor of Civil Engineering Rajeev Gandhi Memorial College of Engg. & Tech., Nandyal
2012-13	1	11-02-2013	Jalayagnam Projects in Andhra Pradesh	Sri. G.Viswanatham, Executive Engineer, I & CAD Department, Panyam.
	2	25-02-2013	Demo.on "Trimble" Total Station	Sri. A.J. Sasi Bhushan, Service Engineer, Customer Support Group- Trimble Aimil Ltd., Secunderabad.
	3	26-02-2013	General Introduction on Indian Railways - Career for Civil Engineers	Sri. K. Srinivas, Assistant Divisional Engineer, South Central Railways,Kurnool.
2011-12	1	20-07-2011	Six Sigma and Personality Development	Sri. Madhav Reddy, Founder & Director of Red Mad Learning's, Vizag.
	2	24-08-2011	Modern Concrete	Sri. Sameer Kumar, Technical Officer,Ultratech Cements.
	3	14-10-2011	Opportunities in Civil Engineering	Seenaiah and NCC Company
	4	25-01-2012	Demonstration on Struds Software	Sri Mallikarjuna Reddy, Regional Manager,CSC World (India) Pvt. Ltd.
	5	07-02-2012	Smart Building Materials	Sri. K. Madhu, Managing Director, Nagarjuna Cement Limited, Hyd.

33. List the teaching methods adopted by the faculty for different programmes.

Faculty members adopt various teaching methods to cater to the needs of the entire spectrum of students in a particular class. The following are the common methods adopted by the faculty for their teaching

- Classroom teaching using Chalk-Board and LCD projectors
- Working model/ experimental set up
- Seminars
- Industrial Training

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

To achieve the PEOs the following assessment tools have been adopted by the department.

Internal assessment tools
- Take home assignments
- Sessional examinations
- Tutorial classes
- Day to day assessment of Laboratory performance
- Internal & External laboratory exams
- End –semester theory examinations

External assessment tools
- Feed-back from the employers through placement cell
- Feedback from the alumni
- Through publications/presentations in conferences/Seminars
- Through interaction with parents

35. Highlight the participation of students and faculty in extension activities.
All faculty members and students of the department are participating in various extension activities such as:
- Technical Exhibition
- Training on Total Station for Diploma students

36. Give details of "beyond syllabus scholarly activities" of the department.
- Certification Courses
- Industrial visits
- Guest lectures
- Remedial classes
- Add-on courses

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
Department has been accredited by National Board of Accreditation (NBA) thrice in 2005, 2008 and 2013
Department has also been accredited by Institution of Engineers (India)

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weaknesses
- Committed and experienced faculty with good retention. - Well equipped and spacious laboratories. - Good interaction with professional bodies. - Good number of publications - Considerable revenue generation from consultancy services	- Lack of Inter-disciplinary projects. - Lack of adequate industry institute interaction. - Quality publications to be increased. - Students with inferior rank take admission into the department
Opportunities	**Challenges**
- Good academic environment. - Effective organizational structure. - Use of Modern methodologies in teaching – learning - evaluation - Design of short term courses for working professionals.	- Collaboration with foreign Universities. - Providing more industrial exposure to students. - Setting up a calibration and testing centre. - Students with diverse backgrounds

39. Future plans of the department.
   - To organize an International conference
   - To start to more P.G. courses with specialization in (i)Water Resources (ii) Geotechnical Engineering
   - To improve the faculty research publications
   - To make all the class rooms in the department as e-class rooms
   - To procure new/latest software in computer laboratory
   - To send proposals for Major Research Project, Minor Research Project and Young Scientist Research Award.
   - To conduct a workshop on Testing procedures for the Field Engineers

E.2 Evaluative Report of the Electronics & Communication Engineering Department

1. Name of the Department & its year of establishment
   **Electronics & Communication Engineering Department,
   Established in 1985.**

2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   **UG: B.Tech - Electronics & Communication Engineering
   PG: M.Tech - Communications & Signal Processing
       M.Tech - VLSI & Embedded systems
   Ph.D Programme (Full Time): Electronics & Communication Engineering**

3. Interdisciplinary courses and departments involved

S.No	Interdisciplinary Courses	Course No	Departments Involved
1.	Optimization Techniques	IDE301	Mechanical Engineering Department
2.	Remote Sensing and GIS	IDE302	Civil Engineering Department
3.	New and Renewable Energy Systems	IDE303	Electrical & Electronics Engineering Department
4.	Artificial Intelligence and Expert Systems	IDE304	Computer Science& Engineering Department
5.	Introduction to Information Systems	IDE306	Computer Science& Engineering Department
6.	Mechatronics	IDE307	Electrical & Electronics Engineering Department
7.	Control and Automation	IDE308	Electrical & Electronics Engineering Department
8.	Web Development Programming	IDE309	Computer Science& Engineering Department
9.	Environmental and Water Resources Engineering	IDE310	Civil Engineering Department

4. Annual/ semester/choice based credit system
   Semester- Credit Based Grading System

5. Participation of the department in the courses offered by other departments

   ECE department is participating in the following courses offered by other departments.

S.No	Name of the Course	Course code	Offered department
1	Basic Electronics Lab	EC213	Computer Science & Engineering
2	Microprocessors & Assembly Language Programming	EC320	
3	Electronic Devices and Circuits	EC202	Electrical &Electronics Engineering
4	Analog Electronic Circuits	EC206	
5	Electronic Devices and Analog Circuits Lab	EC212	
6	Pulse and Digital Circuits	EC316	
7	Pulse and Digital Circuits Lab	EC317	
8	Microprocessors and Microcontrollers	EC308	
9	Integrated Circuits and Applications	EC318	
10	IC and Microprocessors Lab	EC319	
11	Electrical & Electronics Engineering Lab	EE213	Mechanical Engineering

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	06	04
Associate Professors	08	04
Asst. Professors	28	30

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S No	Name	Qualification	Designation	Specialization	No. of Years Of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.K.Suresh Reddy	Ph.D	Professor& HOD	Digital Signal Processing	17	05
2	Dr.P.Abdul Khayum	Ph.D	Professor	Image Processing	23	Nil
3	Dr.S.Nagaraja Rao	Ph.D	Professor	Signal & Image Processing	23	04
4	Dr.G. Eranna	Ph.D	Professor	Micro Electronics and VLSI	38	01
5	Sri M.Devendra	M.S. (Ph.D)	Associate Professor	Electronics and Control	26	Nil

6	Sri D.R.Srinivas	M.S. (Ph.D)	Associate Professor	Electronics and Control	17	Nil
7	Dr.G.Venkata Ramana Sagar	M.Tech.,Ph.D	Associate Professor	Artificial Neural Networks	19	Nil
8	Sri T.Thammi Reddy	M.Tech(Ph.D)	Associate Professor	MicroElectronics	17	Nil
9	Sri M.V.R Vittal	M.Tech(Ph.D)	Sr. Asst. Professor	Wireless Communications	12	Nil
10	Smt. K. Udaya Kiran	M.Tech	Asst. Professor	DSCE	16	Nil
11	Sri R. Sudheer Babu	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	11	Nil
12	Sri G. Amjad Khan	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	10	Nil
13	Sri S.M. Shamsheer Daula	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	10	Nil
14	Smt. S. Vyshali	M.Tech(Ph.D)	Asst. Professor	DSCE	12	Nil
15	Sri B. Siva Reddy	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	11	Nil
16	Sri T. Sarath Babu	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	10	Nil
17	Sri M. Madhusudhan Reddy	M.Tech	Asst. Professor	VLSI System Design	12	Nil
18	Smt. B.N. Nagaveni	M.Tech	Asst. Professor	Communications and Signal Processing	8	Nil
19	Sri G. Ramesh	M.Tech(Ph.D)	Asst. Professor	Embedded Systems	9	Nil
20	Smt. C. Rajeswari	M.Tech	Asst. Professor	Communications and Signal Processing	9	Nil

21	Sri L. Laxmi Prasanna Kumar	M.Tech(Ph.D)	Asst. Professor	Communications and Signal Processing	11	Nil
22	Sri K. Raju	M.Tech(Ph.D)	Asst. Professor	VLSI System Design	10	Nil
23	Smt. T. Swathi	M.Tech	Asst. Professor	Communications and Signal Processing	6	Nil
24	Sri D. Sarath Babu Rao	M.Tech(Ph.D)	Asst. Professor	CN&VLSI	8	Nil
25	Sri S. Siva Reddy	M.Tech(Ph.D)	Asst. Professor	Wireless Communications	6	Nil
26	Sri P. Rajasekhar Reddy	M.Tech	Asst. Professor	CS	3	Nil
27	Sri T. Janardhan Reddy	M.Tech	Asst. Professor	C&I	10	Nil
28	Sri S. Amarnath Reddy	M.Tech	Asst. Professor	Communications and Signal Processing	1	Nil
29	Sri G. Amara Nageswara Rao	M.Tech	Asst. Professor	DECS	1	Nil
30	Sri A. Venkata Subba Reddy	M.Tech	Asst. Professor	Digital Systems	5	Nil
31	Smt. M. Chaitanya	M.Tech	Asst. Professor	VLSI & ES	4	Nil
32	Sri K. Naga Koushil Reddy	M.Tech	Asst. Professor	VLSI System design	4	Nil
33	Ms. W. Yasmeen	M.Tech(Ph.D)	Asst. Professor	VLSI system design	6	Nil
34	Smt. P. Parvathi	M.Tech	Asst. Professor	VLSI Design & Embedded System	8	Nil
35	Smt. G. Divya Praneetha	M.Tech	Asst. Professor	VLSI & E.S	1	Nil
36	Sri V. Goutham	M.Tech	Asst. Professor	Digital Communication	1	Nil
37	Ms. A. Sowjanya	M.Tech	Asst. Professor	DECS	3	Nil

38	Smt. T. Ramy akrishna	M.Tech	Asst. Professor	CSP	Nil	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information
Nil

9. Programme-wise Student Teacher Ratio

S No	Name of the Program	Student Teacher Ratio
1	B Tech (ECE)	1:17.4
2	M.Tech (Communications and Signal Processing)	1:12
3	M.Tech (VLSI and Embedded Systems)	1:12

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Academic Support staff	9	9
Administrative staff	3	3

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.
   a) National funding agencies: 02 (9.46 Lakhs)
   b) International   :Nil
   c) Total grants for projects   :9.46 Lakhs

AICTE & UGC funded Projects to the Department of Electronics and Communication Engineering

Scheme	Name of the coordinator	Amount sanctioned (INR)	Details of sanctioned letter	Status on funds utilization as on date	Utilization certificate details/reason for non-submission of utilization certificate
RPS (AICTE)	Dr.K.Suresh Reddy	5,20,000	20/AICTE/RIFD/RPS (POLICY-1)5/2013-14	Completed	Submitted
MRP (UGC)	Dr.P.Abdul Khayum	4,26,000	F.No.43-308/2014(SR) w.e.f1-7-2015	Partially utilized (Equipment purchased for Rs.3,00,000-00	Project is under progress

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received
       Nil
13.   Research facility / centre with

   - State recognition   : Recognized as research center by JNTUA, Anantapuramu from the academic year 2013-14 with vide Proc.No.A1/R&D Cell/Recognition of Research center/GPREC/2013-2014 Dtd.04-06-2013
   - international recognition : Nil

14.   Publications:

   * Number of papers published in peer reviewed journals (National / International) :129

S.No	Academic year	No.of papers published in International/National Journals	No.of papers published in International Conferences	No.of papers published in National Conferences
1	2011-12	29	01	13
2	2012-13	15	06	07
3	2013-14	08	06	02
4	2014-15	36	11	-
5	2015-16	39	12	02

   *   Monographs : NIL-
   *   Chapter(s) in Books: NIL
   *   Editing Books: NIL
   *   Books with ISBN numbers with details of publishers
       Dr. G.V.R. Sagar authored a reference book with title "Modeling of Artificial Neural Networks Using Evolutionary Algorithm", Lambert, Germany, ISBN 978-3-659-89643-9.
   *   Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
       3+ Publications are indexed by various international databases such as Scopus, IEEE, and Elsevier.
   *   Citation Index – range / average :
   *   SNIP   : NIL
   *   SJR
   *   Impact factor – range / average   :

S No	Academic Year	Impact Factor Range
1	2011 – 12	0.4 – 1.3
2	2012 – 13	0.4 – 0.8
3	2013 – 14	0.4 – 1.3
4	2014 – 15	0.41 – 1.79
5	2015 – 16	0.39 – 1.69

   *   h-index   : NIL
15.   Details of patents and income generated   Nil
16.   Areas of consultancy and income generated Nil

17. Faculty recharging strategies

i. Faculty members are sponsored to participate in

a) FDPs conducted by various Universities/Institutes
b) National and International conferences
c) National and International workshops
d) Improving Teaching learning practices

Workshops /Seminars/ attended by faculty During the Academic year

2015-16	07
2014-15	15
2013-14	32
2012-13	05
2011-12	10

ii. Enhancing the teaching skills of Faculty by conducting faculty development programmes regularly.
iii. The department is in practice of taking feedback regularly from the students in order to improve the faculty performance in teaching.
iv. Intra departmental workshops/seminars are conducted for faculty.

18. Student projects

- Percentage of students who have done in-house projects including inter-departmental : B.Tech (93.8%**) &** M.Tech (17%)

- percentage of students doing projects in collaboration with industries / institutes : B.Tech(6.2%) & M.Tech (83%)

Academic Year	Programme	Students who have done projects	
		No.of inhouse student projects	No.of student projects in collaboration with industries, institutes and internships
2011-12	B.Tech-ECE	26	Nil
	M.Tech-CSP	02	15
2012-13	B.Tech-ECE	23	08
	M.Tech-CSP	02	11
	M.Tech-VLSI&ES	02	16
2013-14	B.Tech-ECE	30	10
	M.Tech-CSP	02	14
	M.Tech-VLSI&ES	03	15
2014-15	B.Tech-ECE	45	04
	M.Tech-CSP	02	15
	M.Tech-VLSI&ES	02	14
2015-16	B.Tech-ECE	51	05
	M.Tech-CSP	03	14
	M.Tech-VLSI&ES	08/	08

19. Awards / recognitions received at the national and international level by
   - Faculty : **NIL**
   - Doctoral / post doctoral fellows : **NIL**

Students :

2011-12: Our students have also a good account of themselves in sports. The following is the list of students who represented our college in various University, State and National level competitions:

1. P.Mahesh Babu(20094077) of III ECE 'A' for represented S.K. university in Judo.

2. K.SudhaRani(20084045) of IV ECE 'A' for representing S.K.University in Shuttle Badminton.

List of prize winners in the National level Technical Symposiums conducted at various Engineering colleges :

SNo	Names of the students	Name of the Topic	Name of the Symposium	Date held	College	Prize won
2012-13						
1	G. Madhavi Latha (109X1A0428) of III ECE-B	A new era of AngioPlasty	E-Veda	24th Sep. 2012	GPCET ,kurnool	First
2	P.Ravindranath Reddy(109X1A0477) of III ECE-A & B.S.Sanjeev (109X1A04B4) of III ECE-B	Brain Controlled Car	Exuberana -2K12	5th ,6th Oct 2012	Malla Reddy Engg.College	First
3	Y.L.Anusha Rani(109X1A04B7) of III ECE-A & Y.Keerthi (109X1A04B8) of III ECE-B	Neuromorph VLSI design	EEL 2K12	18th, 19th Dec 2012	JNTU, Pulivendula	First
4	P.Sai Swetha (109X1A0481) of III ECE-A & N.Padmavathi (109X1A0467) of III ECE-A	Mobile controlled Robotics	Aakruthi-13	08th, 09th Mar 2013	Osmania University, Hyderabad	First
5	K.Vaishnavi (119X1A0450) & Y.Mounika (119X1A04C0)	Internet Protocol Television	Srujana-13	08th Mar 2013	Srinivasa Institute of Technology & Science, Kadapa	II

6	D. Sai Keerthana (109X1A0416) of III ECE-B & S. Afsari (109X1A0491) of III ECE-A	High Altitude wind Power generation using GPS	MagisTech 2K12	14th, 15th Sep2 012	MGIT, Hydera bad	II
2013-14						
1	M.Kushala and T.Meena of III ECE-A	Brain computer Interface	E-Veda-2k14	24th Sep. 2013	GPCET ,kurnool	First
2	P.Tanmai of II ECE-B	Face Recognition	e-merge	DEC - 2013	JNTUA , Ananth apuram u	II
2014-15						
1	P Tanmai (129X1A04C0)IIIECE-C	E Shark	Sigmoid-2k15	29-30 March 2015	SVU College of Engg, Tirupat hi	First
2	M Veera Sravanthi (129X1A04A3) III ECE-B	E Shark	Sigmoid-2k15	29-30 Marc h 2015	SVU College of Engg,Ti rupathi	First
3	J Aishwarya (139X1A0462) IV SEM ECE-B	Honey Pots For Network Security	Scintillace-2k15	6&7 Marc h 2015	JNTU, Puliven dula	II
4	J Lalitha (139X1A0464) IV SEM ECE-B	Honey Pots For Network Security	Scintillace-2k15	6&7 Marc h 2015	JNTU, Puliven dhula	II
2015-16						
1	V.Charmila (139X1A04G2)	Li-Fi	SUDHEE-2015	29-30 Sept	CBIT, Hyd	II
2	A.Vamsi krishna A Aswanth goud	Pill Camera	MOHANA MANTRA	16-18 Octo ber-2015	S.V Engg College, Tirupat hi	II
3.	P.Laxmi prasanna (139X1A04C2)	Li-Fi	SUDHEE-2015	29-30 Sept	CBIT, Hyd	II

20. Seminars/ Conferences/Workshops organized and the source of funding (National International) with details of outstanding participants, if any.

Seminars/ Conferences/Workshops organized:

2011-12: 02
2012-13: 02
2013-14: 02
2014-15: 01
2015-16: 02

The Department has organized Paper contests/Technical Symposiums

S.No	National Symposium	Funding Agency	Organized By	Date	No of Participants
1	**SANKETHA**	Self Funded	GPREC (ECE Dept)	28th,29th and 30th of December 2011	45
2	**ELECTRONICA**	Self Funded	GPREC (ECE Dept)	09th and 10th of March 2013	50
3	**Jignasa – 2014** (Sanketha)	Self Funded	GPREC (ECE Dept)	22nd and 23rd December 2014	50

Workshops Organized by the department

S.No	Workshop	Funding Agency	Organized By	Date	No of Participants
1	Two day workshop on "Sixth Sense Technology"	Self Funding	GPREC (ECE Dept)	29th and 30th Dec 2011	50
2	Two-Day National Level Workshop on "Analog and Digital CMOS Design Flow using Mentor Graphics EDA Tools Training Programme"	Self Funding	GPREC (ECE Dept)	28th and 29th November, 2012	40
3	Two Day "SoC Physical Design Using Cadence Tools"	Self Funding	GPREC (ECE Dept)	4th and 5th March 2016	31

Faculty Development Programmes

S.No	FDP Name	Funding Agency	Organized By	Date	No of Participants
1	A three day faculty training programme on "**Intel Atom Processor**"	Self Funded	FICE, in association with Intel India Development Centre	9th,10th and 11th of April,2014	30
2	A three day faculty training programme on "**Candence Tools for Analog and Digital IC Design**	Self Funded	FTD Automation Pvt. Ltd. Bangalore	12th,13th and 14th of Mayl,2014	30

Organization of International Conference

S.No	International Conference	Sponsoring Agency	Organized By
1	2015 Conference on Power, control, Communication and Computational Technologies for Sustainable Growth DEC-2015	Technical Co-Sponsored by IEEE Hyderabad Section	GPREC Kurnool

> The department has arranged Technical Exhibition **VIGNANAMELA** as part of College Day, Pearl Jubilee Celebrations on 18, 19 and 20th February 2015. About 50 Electronic working models on Latest Technologies in Robotics, Wireless Technologies, Embedded world etc., were exhibited in the department Laboratories. This exhibition was made open to all the college students and general public of the Kurnool city.

21. Student profile course-wise:

Name of the Course B.Tech (ECE) (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2012-16	NA	99	81	97.5	96.7
2011-15	NA	74	46	94.1	96.3
2010-14	NA	75	45	97.7	96.3
2009-13	NA	72	47	97.4	100
M.Tech (CSP)					
2014-16	NA	6	12		
2013-15	NA	7	11	100	100
2012-14	NA	8	9	100	100

2011-13	NA	10	5	100	100
2010-12	NA	11	6	100	100
2009-11	NA	13	5	100	100
M.Tech (VLSI&ES)					
2014-16	NA	9	9		
2013-15	NA	8	10	100	100
2012-14	NA	10	08	100	100
2011-13	NA	11	7	100	100

22. Diversity of Students

Name of the Course (refer question no. 2)	Academic Year	% of students from the college	% of students from the State	% of students from other States	% of students from other countries
B.Tech (ECE)	2011-12	0%	100%	0%	0%
	2012-13	0%	100%	0%	0%
	2013-14	0%	100%	0%	0%
	2014-15	0%	100%	0%	0%
	2015-16	0%	100%	0%	0%
M.Tech (CSP)	2011-12	0%	100%	0%	0%
	2012-13	0%	100%	0%	0%
	2013-14	0%	100%	0%	0%
	2014-15	6%	98%	0%	0%
	2015-16	6%	98%	0%	0%
M.Tech (VLSI)	2013-14	0%	100%	0%	0%
	2014-15	11%	89%	0%	0%
	2015-16	11%	89%	0%	0%

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

GATE SCORE DETAILS

S No	Year	Number of Students
1	2012	**11**
2	2013	**21**
3	2014	**23**
4	2015	**16**
5	2016	**18**

24. Student progression

Student progression	Percentage against enrolled
UG to PG	10%
PG to M.Phil.	NIL
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NIL

Employed	Campus Selections
• Campus selection	2011-12-63 , 2012-13-83; 2013-14-62 2014-15-80, 2015-16-143
• Other than campus recruitment	Other than campus Recruitment 2012-13-68,2013-14-74, 2014-15-69
Entrepreneurs	2012-13-01,2013-14-01

25. Diversity of staff

Percentage of faculty who are graduates	
of the same Parent University	**13.5%**
from other universities within the state	**75.7%**
from other universities from other states	**10.8%**

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

    Number of Ph.D awardees during the assessment period: 04

27. Present details about infrastructural facilities
    a. Library
        1. Department library: 191
           Titles   :   529
        2. National Journals: 20
        3. International Journals: 145(E-JOURNALS)
        4. Cds/DVDs: 98
        5. Project Reports: 299

    b. Internet facilities for staff and students
                40 Mbps broadband from TATA services
                10 Mbps Wi-Fi Facility
                100MbpsLAN
    c. Total number of class rooms -11

Room Description	Usage	Shared / Exclusive?	Capacity	Rooms Equipped with
Class Rooms				
ECE-1	II B.Tech , Sec- A	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-2	III B.Tech ,Sec- A	Exclusive	75	Black Board, LCD , Internet (Wi-Fi)
ECE-3	IV B.Tech ,Sec- A	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-4	II B.Tech , Sec- B	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-5	III B.Tech , Sec- B	Exclusive	75	Black Board, OHP, LCD , Internet (Wi-Fi)

ECE-6	IV B.Tech , Sec- B	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-7	II B.Tech , Sec- C	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-8	III B.Tech, Sec- C	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
ECE-9	IV B.Tech ,Sec- C	Exclusive	75	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
PG-3	M.Tech(CSP)	Exclusive	25	Black Board, OHP, Provision for LCD , Internet (Wi-Fi)
PG-4	M.Tech (VLSI & Embedded Systems)	Exclusive	25	Black Board, Provision for OHP, Provision for LCD , Internet (Wi-Fi)

d. Class rooms with ICT facility : 07
e. Students' laboratories

S.No.	Name of the Laboratory
1	Microprocessors and Micro controllers Lab
2	Microwaves Lab
3	Communication Engineering Lab
4	Pulse and Digital Circuits Lab
5	IC Applications Lab
6	Analog Circuits Lab
7	Basic Electronics Lab – I
8	Basic Electronics Lab – II
9	DSP Lab
10	Computer center
11	VLSI &Embedded Systems Lab
12	Advanced Communications & Signal Processing Lab.

Research laboratories   *Intel Intelligent Systems Lab

28. Number of students of the department getting financial assistance from College.

Three students of ECE department have been given the complete tuition fee waiver for the complete course (2010 -2014) for securing EAMCET ranks below 1000.A part from this every year G.P.R. charities trust is providing scholarships for the eligible, meritorious and economically backward students

S.No	Year	Course	Number of students getting Financial Assistance	Source of Financial Assistance
1	2011-12	UG	03	College Management
2	2012-13	UG	04	College Management
3	2013-14	UG	11	College Management &GPR Charities trust

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.
Need assessment exercise was carried out for starting M.Tech programs by
- Based on the demand of the program.
- Considering the suggestions given by the Stake-holder.
- Discussion with the Management, Director, Principal, Deans and Head of the department.

30. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes. Faculty included as internal board of studies (BOS) members to prepare the scheme and syllabi of all the courses. Being an Autonomous college, revision of courses is a regular activity and suggestions by the Board of Studies members are implemented periodically resulting in up gradation of curriculum.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, feedback is taken at the end of each semester from the students and suggest the faculty to improve their performance or any corrective measures as deemed fit.

c. Alumni and employers on the programmes and what is the response of the department to the same?

Alumni Survey

The Institute regularly conducts Alumni Meets, once in a year, inviting all the ex-students for the alumni gathering. During such sessions, the Department collects the alumni feedback which helps in taking corrective actions

The Alumni survey is conducted through questionnaire at the end of graduation to obtain feedback about readiness for the job. The response to this is very encouraging regarding the Faculty, teaching, Latest equipment in the laboratories, infrastructure facilities, Curricular and Extra Curricular Activities.

Every year, Alumni meets are organized by the college at various places such as Bangalore, Hyderabad and also abroad. It is found that many of the alumni are pursuing higher education in India and abroad. The response to this meets is also encouraging. The survey is conducted through questionnaire to obtain feedback about professional improvements that can be takenup in the department to meet the industry standards. There are also some good suggestions from the alumni which are analyzed and discussed in the department meetings and necessary improvements have been implemented.

Employers' Feedback:

The Department Coordinator and the Placement Officer regularly collect feedback from employers where our students are employed. The following points have been highlighted by employers about our Alumni.

   a. Exhibit good teamwork and have good knowledge of fundamentals
   b. Improve communication skills
   c. Improve knowledge on use of modern equipment and design
   d. Should have more expertise in the latest technologies

The Department collects feedback on outcomes from the industries where the students' are employed, from the industries which have MOUs with the Institute and from the companies senior personnel who are members of the Department Advisory Committee. The advisory committee also advises the Head of the Department, Principal and Management to initiate appropriate action to improve the outputs.

31. List the distinguished Alumni of the department (maximum 10)

Roll No.	Name of the Alumni	Designation	Organization
86420	Muralidhar Reddy	MD, Swach Andhra Pradesh	Govt. of India
84417	Sharath Vemula	Marketing Director	WPG Electronics Bangalore
484408	Pavan Kumar	GM	Servomax
487432	Santhaiah	DGM	Electronics Corporation of India, Hyderabad
90447	Sreeni Nandam	Director	INEDA SYSTEMS
484434	T.Srinivas	CIO	Adani Ports & SEZ Limited
485424	Sreeram	Senior Consultant	GE Healthcare
92328	Somasekhar	Project Lead	Covansys India
97459	Maddela Subbu	Performance Architect	Citi Architect
99706	Deepthi	QA Lead	Amadeus

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Every Semester, Department invites eminent persons/ distinguished alumni from the relevant fields and minimum 5 guest lectures /Seminars are arranged for the benefit of the students. Department also organizes Workshops/symposiums for the development of the students. Department organized Technical Exhibition (Vignana Mela), where the students have designed and developed various working models in latest technology. The models have been displayed to the general public.

Department encourages the students to give seminars on Latest trends/Technologies in various fields related to ECE under IEI(ECE) Students'

Chapter and IEEE Student Branch. Under this forum eminent persons from IEI and IEEE Hyderabad section are invited to give guest Lectures.

33. List the teaching methods adopted by the faculty for different programmes.

For PG &UG Programmes the teaching Methods adopted by Faculty are as follows

- The Department is conducting course work with the help of NPTEL Videos and other relevant material as per requirement.
- Faculty take the classes, demonstrate with working models, show the animation plots of certain courses, take the students to Industrial visits, conducts seminars and guide the student projects, etc.
- Teaching aids: Black Board, LCD Projector etc.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

To achieve the PEOs the following assessment tools have been adopted by the department.

Internal assessment tools

- Take home assignments
- Sessional examinations
- Tutorial classes
- Day to day assessment of Laboratory performance
- Internal & External laboratory exams
- End –semester theory examinations

External assessment tools

- Feed-back from the employers through placement cell
- Feedback from the alumni
- Through publications/presentations in conferences/Seminars
- Through interaction with parents

35. Highlight the participation of students and faculty in extension activities.

The faculty and students have been participating in spoken tutorial classes conducted by NMEICT of IIT Mumbai.

The students are actively exhibited their innovative technical models in the technical exhibition, conducted on the occasion of pearl jubilee celebrations of the college.

36. Give details of "beyond syllabus scholarly activities" of the department.

(a) Bridge courses are conducted by the department to equip the students to learn evolving technologies/skills in order to meet the industry needs.

(b) Seminars and workshops by eminent experts from both Industry and academic are conducted to enhance the students learning skills and improve the practical knowledge and its applications.

(c) The courses on soft skills, global electives, interdisciplinary electives and quantitative aptitude are also included in the curriculum to enhance the students skills in order to meet the job requirements after their graduation.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.

- B.Tech ECE Program is accredited by NBA in 2005 for 3 years
- The Program is reaccredited by NBA in 2008 for 3 years.

- B.Tech ECE program is provisionally accredited by NBA in 2013 for 2 years.

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths:	Weaknesses:
- Department gets best ranks from competitive exams - Department has high pass percentage and good placement record - Qualified Faculty in specialized areas like Mielectronics, Communications, Signal Processing, VLSI and Embedded Systems. - Department is recognized as Research center so that faculty have a suitable environment to carry out their research work. - Department has two ongoing R&D projects and three in house projects.	- Lack of Inter-disciplinary projects. - Lack of adequate industry institute interaction. - Quality publications to be increased.
Opportunities:	**Challenges:**
- Good academic environment. - Effective organizational structure. - To use Modern methodologies in teaching – learning - evaluation - To design short courses for working professionals.	- Collaboration with foreign universities. - Providing more industrial exposure to students. - Students with diverse background.

39. Future plans of the department.

- To organize continuing education programmes for the development of students, faculty members and supporting staff.
- To maintain industrial relations and to establish workstations in the field of VLSI, DSP and Embedded Systems.
- To establish a skill development center in association with Electronics& communication industries.
- To get more funded research projects.

E.3 Evaluative Report of the Mechanical Engineering Department

1. **Name of the Department & its year of establishment**
   Mechanical Engineering
   Year of Establishment- 1985
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   Courses Offered:
   1. UG: Mechanical Engineering
   2. PG: CAD/CAM
   3. PG: Thermal Sciences and Energy Systems
   4. Ph.D: Mechanical Engineering

3. **Interdisciplinary courses and departments involved**

Sl No	Course Name (UG)	Department
1	Remote Sensing and GIS	CE
2	Artificial Intelligence and Expert Systems	CSE
3	Nanotechnology	ECE
4	Introduction to Information Systems	CSE
5	Mechatronics	EEE
6	Control and Automation	EEE
7	Web Development Programme	CSE
8	Environmental and Water Resources Engineering	CE
9	Remote Sensing and GIS	CE

4. **Annual/ semester/choice based credit system**
   Semester-Credit Based grading system
5. **Participation of the department in the courses offered by other departments**

Sl No	Course Name	Department
1	Engineering Drawing	To all departments
2	Optimization Techniques	To all departments
3	New and Renewable Energy Systems	To all departments
4	Entrepreneurship Development	To all departments
5	Research Methodology	To all departments
6	Constitution of India	To all departments

6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professors	6	6
Associate Professors	9	6
Assistant Professors	23	21

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No of Years Experience	No of PhD Students Guided for the last 4 Years
Dr. B. Sreenivasa Reddy	Ph.D, JNTUH,1998 ME-BITS Pilani	Professor	Thermal Sciences	26	2
Dr. Y.V. Mohan Reddy	Ph.D,JNTUH, 2002 ME- Bangalore University	Professor	Machine Design	25	2
Dr. K. Madhava Reddy	Ph.D, JNTUH, 2005 ME- Bangalore University	Professor	Machine Design	22	Nil
Dr. V. Satish Kumar	Ph.D, SKU,2007 ME- PSG Coimbattore	Professor	Industrial Engg	21	Nil
Dr. B. Veerabhadra Reddy	Ph.D, JNTUH, 2009 M.Tech, JNTU	Professor	Heat Power R and AC	16	Nil
Dr. G. Sankaraiah	Ph.D, JNTUH, 2010 M.Tech-SVU	Professor	Industrial Engg	19	Nil
Sri P. Hari Sankar	M.E, UOR, 1997	Assoc.Prof.	Machine Design	16	Nil
Sri G. Suresh Kumar	M.Tech, SVU,1999	Assoc.Prof.	Industrial Engg	17	Nil
Dr E. Venu Gopal Goud	PhD, JNTU,2012 M.Tech- SVU	Assoc.Prof.	Production Eng	18	Nil
Dr. H. Raghavendra Rao	Ph.D, JNTUA,2010 M.Tech- VTU	Assoc.Prof.	Production Management	17	Nil
Dri M. Nagaphani Sastry	PhD, JNTUA,2012 ME- Madurai Kamaraju University	Assoc.Prof.	CAD/CAM	14	Nil
Dr R Meenakshi Reddy	PhD, JNTUA,2011	Assoc.Prof.	Energy Systems Engg	18	Nil
Sri V Mahanadi Reddy	M.Tech,JNTUA, 1999	Sr Asst. Prof.	R & AC	17	Nil

Sri M. Lava Kumar	M.Tech,JNTUH, 2005	Asst. Prof.	Energy Systems	11	Nil
Sri P. Lakshmi Reddy	M.Tech,JNTUA, 2005	Asst. Prof.	Energy Systems	10	Nil
Sri B.Madhu sudhana Reddy	M.Tech,JNTUK, 2006	Asst. Prof.	Machine Design	07	Nil
Smt.K.Devaki Devi	M.Tech,JNTUH, 2010	Asst. Prof.	Advanced Manufacturing Systems	10	Nil
Sri E. Siva Reddy	M.Tech, JNTUA, 2012	Asst. Prof.	Energy Systems	09	Nil
Sri M Murali Mohan	M.Tech, JNTUH, 2012	Asst. Prof.	Advanced Manufacturing Systems	08	Nil
Sri G. Shaikshavali	M.Tech, VTU,2008	Asst. Prof.	CIM	07	Nil
Sri G Praveen Kumar Yadav	M.Tech, JNTUA, 2013	Asst. Prof.	R & AC	02	Nil
Sri J Kishore	M.Tech, JNTUA, 2013	Asst. Prof.	R & AC	03	Nil
Sri K Irshad	M.Tech, JNTUA, 2015	Asst. Prof.	Machine Design	06	Nil
Sri K Jayasimha Reddy	M.Tech, JNTUA, 2014	Asst. Prof.	Thermal Sciences and Energy Systems	02	Nil
Sri M Surender Reddy	M.Tech, JNTUA, 2015	Asst. Prof.	R & AC	01	Nil
Sri R Manohar Babu	M.Tech, JNTUA, 2014	Asst. Prof.	R & AC	02	Nil
Sri Dinbandhu	M.Tech, VTU, 2011	Asst. Prof.	Tool Engineering	3.8	Nil
Sri B. Madhu	M.Tech, SVU, 2015	Asst. Prof.	Industrial engineering	0	Nil
Sri N. Krishnarjuna Rao	M.Tech, SVU	Asst. Prof.	Production Engineering	2	Nil
Smt. V. Dharani	M.Tech, JNTUA	Asst. Prof.	CAD/CAM	0	Nil
Sri G.S. Gurudattatreya	M.Tech, JNTUA	Asst. Prof.	Advanced IC Engines	2	Nil
Sri G. Venkatesh	M.Tech, JNTUA	Asst. Prof.	Thermal sciences and energy systems	1	Nil
Sri B. Hanuma Reddy	M.Tech, IITM	Asst. Prof.	Applied Mechanics/Design	2	Nil

8. **Percentage of classes taken by temporary faculty – programme-wise information**

   NIL . All classes are held by regular faculty members only.

9. **Programme-wise Student Teacher Ratio**

   B.Tech - 480/27 - 1: 17.7

   M.Tech - 72/6   - 1: 12.0

10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

	Sanctioned	Filled
clerks	1	1
Technicians	12	12
Assistants	3	3

11. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.**

Sl No	Title of the Project Principal	National / International	Funding Agency	Investigator & Co-Investigator	Year	Amount sanctioned
1	Development of new composite Materials	National	AICTE	Dr H Raghavendra Rao and Dr Y V Mohan Reddy	2013-16	17.5 Lakhs
2	Study of Alternative Fuels	National	UGC	Dr M nagaphani Sastry	2014-16	2.25 lakhs
3	Performance evaluation vortex tube parameters using Taguchi method	National	UGC	Dr G sannkaraiah	2014-16	12.59 Lakhs
4	Development and analysis of new composite Material	National	UGC	Dr H raghavendra Rao	2015-17	12.2Lakhs

12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

   Nil

13. **Research facility / centre with**

   State recognition : JNTUA R&D Centre

   National recognition : Nil

   International recognition : Nil

14. Publications:

Sl No	No. of papers published in International Journals	No. of papers published in National Journals	No. of papers published in International Conference	No. of papers published in National Conference	Year
1	40	--	--	-	2015-16
2	29	--	4	1	2014-15
3	19	1	1	1	2013-14
4	17	1	1	--	2012-13
5	22	-	2	-	2011-12

  * Monographs : Nil
  * Chapter(s) in Books : Nil
  * Editing Books: Nil

15. Details of patents and income generated : NIL

16. Areas of consultancy and income generated

Sl No	Testing of Composites (Rs)	Year
1	52,708	2015-16
2	39,427	2014-15
3	30,300	2013-14
4	--	2012-13

17. Faculty recharging strategies

The faculty members of the department regularly attend various programmes to enhance their knowledge and teaching skills. Following are the prominent recharging strategies employed by the department:
1) Faculty Development Programme
2) International/National Workshops
3) International/National Conferences/Seminars
4) Guest Lectures

18. Student projects

UG :

Academic Year	Number of Students (Projects)			% of students done in house projects	% of students done in industry
	In House	In Industry	Total		
2015-16	127(24)	16(8)	143(32)	88.8	11.2
2014-15	135(26)	8(5)	143(31)	94.4	5.6
2013-14	105(30)	35(14)	140(44)	75.0	25.0
2012-13	114(21)	18(7)	132(28)	86.3	13.7
2011-12	115(23)	15(5)	130(28)	88.5	11.5

PG:

Academic Year	Number of Students/projects			% of students done in house projects	% of students done in industry
	In House	In Industry	Total		
2015-16	23	0	23	100	0
2014-15	30	0	30	100	0
2013-14	23	0	23	100	0
2012-13	7	11	18	38.88	61.12

19. Awards / recognitions received at the national and international level by :

- The following table lists the awards/recognition won by faculty members of the department:

Sl No	Name of the faculty	Details of the award	National/ International	Year
1	Dr G Sankaraiah	Research award from UGC	National	2014
2	Dr H Raghavendra Rao	Research award from UGC	National	2015

- Doctoral / post doctoral fellows: Nil
- Students :   Good number of students are participating in National and International events and winning various awards/prizes/medals. Sai Divya (III Year) secured first place Student LED design conference (SLDC) 2015, held by ASME- CBIT for Zone-7 at CBIT,Hyd. Pankaj Kumar Kurupati (III Year) and R. Dinesh Reddy (III Year) secured excellence award for showing excellence in technical project competition organized during Automotive Syling Boot Camp held at Smt.Kashibai Navale College of Engineering, Pune.

20. Seminars/ Conferences/Workshops organized and the source of funding (national /   international) with details of outstanding participants, if any:

Sl No	Name of the Workshop	Month and Year	Number of participants	Source of funding
1	Two day National Workshop on Development and Analysis of Composite Material	9th and 10th , October 2015	45	By the college management
2	One day National level workshop on Casting of Aluminum Metal Matrix Composites	14th September 2015	32	By the college management
3	One day national level Aorkshop on Six Sigma and its Applications	08-12-2012	59	By the college management

21. Students profile course wise

UG: All the admissions are made according to APSCHE guidelines. The seats are filled through EAMCET.

Name of the Course	Year	Applications received	Selected		Pass Percentage	
			Male	**Female**	**Male**	**Female**
B.Tech Mechanical Engineering	2012-16	NA	95	25	96.5	100
	2011-15	NA	94	26	93.8	92.8
	2010-14	NA	91	29	90.6	93.5
	2009-13	NA	92	28	91.1	100

PG

Name of the Course	Year	Applications received	Selected		Pass Percentage	
			Male	Female	Male	Female
M.Tech Thermal Sciences and Energy Systems	2014-16	--	15	0		
	2013-15	--	11	6	100	100
	2012-14	--	14	1	100	100
	2011-13	--	6	1	100	100
M.Tech CAD/CAM	2014-16	--	8	2		
	2013-15	--	9	4	100	100
	2012-14	--	6	2	100	100
	2011-13		6	6	100	100

22. Diversity of students:

Name of the Course	Year	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Tech Mechanical Engineering	2015-16	Nil	100 %	Nil	Nil
	2014-15	Nil	100 %	Nil	Nil
	2013-14	Nil	99.5 %	0.5%	Nil
	2012-13	Nil	100 %	Nil	Nil
M.Tech Thermal Sciences and Energy Systems	2015-16	6.66%	93.34 %	Nil	Nil
	2014-15	Nil	100 %	Nil	Nil
	2013-14	5.8%	94.2 %	NIL	Nil
	2012-13	20%	80 %	Nil	Nil
M.Tech CAD/CAM	2015-16	33.33%	66.67%	Nil	Nil
	2014-15	10%	90 %	Nil	Nil
	2013-14	10%	90 %	Nil	Nil
	2012-13	25%	75 %	Nil	Nil

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Year	GATE	CAT
2015-16	20	2
2014-15	20	1
2013-14	23	1
2012-13	22	2
2011-12	23	0

24. Student progression

Student progression	Percentage against Enrolled			
UG to PG	12%			
PG to M.Phil.	NA			
PG to Ph.D.	Nil			
Ph.D. to Post-Doctoral	Nil			
Employed	2012-13	2013- 14	2014-15	2015-16
	27.85	35.21	40.1	50.2
• Campus selection	--	--	--	--
• Other than campus recruitment				
Entrepreneurs	Nil			

25. Diversity of staff

Percentage of faculty who are graduates	
graduates of the same parent university	45.45
from other universities within the State	36.36
from other universities from other States	18.19

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Year	Number of Faculty awarded Ph.D
2015-16	0
2014-15	0
2013-14	2
2012-13	1
2011-12	1

27. Present details about infrastructural facilities

    a)   Library

    Department library is available. Following are the details:

    Number of books: 2185 nos.

    Number of titles : 1515

    No. of Reports : 9

    No CBTs and CDs : 117

    b) Internet facilities for staff and students

        All computers used by faculty and students are given 10 MBPs speed internet connection.

    c) Total number of class rooms

    UG: 09 class rooms

        PG: 02 class rooms

    d) Class rooms with ICT facility

        UG: Nil

    PG: Nil

    e) Students' laboratories
- Workshop Practice Lab

- Computer Aided Engineering Lab
- Metallurgy Lab
- Machine Tools Lab
- Materials Testing Lab
- Hydraulics Machinery Lab
- Metrology and Measurements Lab
- CAM Lab
- Heat Transfer Lab
- Geometrical Modelling Lab
- Computation Lab
- Dynamics and Instrumentation Lab
- Database Management and Computations Lab

f) Research laboratories : 1. Composites Lab

28 Number of students of the department getting financial assistance from College.

14 students

29 Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Need assessment exercise was carried out for starting M.Tech programs by

- Demand for the program.
- Considering the suggestions given by the Stake-holders.
- Discussion with the Management, Director, Principal and Head of the department.

30 Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

Yes, Department meetings are conducted by head of the department, opinions and advice have been taken from faculty regarding changes in the content of syllabus of the subject(s).
The same information is forwarded to BOS meeting for discussion and approval.

b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

Yes, feedback is taken periodically and any corrective measures or improvements are suggested as deemed fit.

c. alumni and employers on the programmes and what is the response of the department to the same?

Alumni member's feedback has been helping the department in modification of the curriculum relevant to the industry.

31 List the distinguished alumni of the department (maximum 10)

Name	Year of Passing	Designation	Name of the Organization
Jagan Karuturi	1988	Sr.Vice-President	IBM, USA
Dr.R.S.Chalapathi	1988	Director	Institute of Sigma Learning
Rama Krishna inteti	1988	GM	East India Commercial Company Limited., Eluru.
C.V.S.Murthy	1988	Director	ARS Metals (P) Ltd
P.Madhusudhan Rao	1988	Dy.Executive Engineer	Irrigation Dept., Govt. of A.P
Dr.Subba Rao	1988	Professor	JNTUniversity, Kakinada
Venkateswara Reddy Kalluri	1989	Consulting PM	Apple Computers, IBM, USA
P.Sreenivasa Raju	1990	General Manager	ACC Limited
K.Srinivas	1990	Dy.General Manager	L&T ECC
M. Gopi Krishna Reddy	1992	Asst. Commissioner Dept. of legal metrology	Govt. of A.P
Dr.V.Satish Kumar	1992	Professor / Controller of Examinations	G.Pulla Reddy Engineering College
C.Sudheer	1992	Head, EIS division	TCS
Aashish malve	1993	Director	Angaros Group
Rajesh Pandita	1994	IT Director	Dell International Services
Rajesh Rama	1994	Associate Director	Indian School of Business
P.Srikanth Reddy	1994	CEO	Nicanor
Ayush	1995	Director	Adroitec Engineering Solutions Pvt Ltd
G.Raghavendra	1996	Sr.Consultant	TCS
C.Sreedhar	1998	Project Manager	General Motors
Vijaya Krishna Yadav	2002	S.P of Police (IPS)	Govt. of India
Narayana Chary	2004	Project Manager	L&T ECC
V.V.Sivarama Krishna	2007	Scientist	ISRO

32 Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Guest Lectures

Sno	Date	Activity/Seminar	No of students participated
1	23-09-2015	American society of mechanical engineering	79
2	26-09-2015	Career opportunities for MECH engineers	54
3	15-10-2015	Awareness on PLM software	52

4	16-10-2015	Product data management &Product life cycle management	63
5	12-01-2016	Trends in CAD software's & solutions for industry	119
6	10-09-2012	Finish school concept beidging skill gap Guest Speaker - Sri. B.Sreenivasula E.I.S	39
7	09-10-2012	Skyfi labs, SLATE Guest Speaker - Sri. Aditya Skyfi labs.	105
8	04-01-2013	Road safety and prevention measures Guest Speaker - Sri. GSV Rajeswar raj and C.V Ramana Assistant motor vehicle inspector	199
9	13-02-2013	Nano Technology Guest Speaker – Dr. Tata Narasinga raj Scientist 'F' ARCI Hyderabad	156
10	27-7-2013	Research paper preparation and presentation skills{Lecture by Alumni}	80
11	16-11-2013	Advancements in Composite Technology	89
12	10-09-2012	Finish school concepts, bridging skill gap	39
13	09-10-2012	SKYFI labs	105
14	04-01-2013	Road safety and preventive measures	199
15	13-02-2013	A lecture on 'Nano technology'	156

33 List the teaching methods adopted by the faculty for different programmes Faculty members adopt various teaching methods to cater to the needs of the entire spectrum of students in a particular class.

The following are the frequently used teaching methods by the faculty:
- Classroom teaching using Chalk-Board and LCD projectors
- Working model/ experimental set up
- Seminars
- Industrial Training

34 How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

Assessment of the achievement of PEO is carried out by the following methods shown in the table below:
- Course end survey
- Graduate survey
- Alumni Survey
- Parents' survey

35 Highlight the participation of students and faculty in extension activities.

- Training Diploma Students on CNC Machines.

36 Give details of "beyond syllabus scholarly activities" of the department.
- Certification Courses
- Industrial Visits
- Guest Lectures

37 State whether the programme/ department is accredited/ graded by other agencies. Give details.

The UG programme of the department was accredited by NBA in the year 2005, 2008 and provisionally accredited by NBA in the year 2013.

38 Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

Strengths	Weaknesses
• Committed and experienced faculty with good retention. • Active participation of faculty in research activities. • Well equipped and spacious Laboratories. • Good interaction with professional bodies. • Good number of publications	• Low revenue generation through Testing and Consultancy. • Less number of patents. • Lack of Inter-disciplinary projects. • Lack of adequate industry institute interaction. • Quality publications to be increased.
Opportunities	**Challenges**
• To use Modern methodologies in teaching – learning - evaluation • To design short courses for working professionals. • To motivate and assist entrepreneurs.	• Collaboration with foreign Universities. • Providing more industrial exposure to students. • To file for more patents. • Setting up a calibration and testing centre. • Students with diverse background

39 Future plans of the department.

- Planning to introduce M.Tech in Machine Design specialization.
- To improve the faculty research publication record with real time projects.
- To make all the class rooms in the department as e-class rooms.
- To encourage all faculty to obtain Ph.D. degree.

E.4 Evaluative Report of the Computer Science and Engineering Department

1. Name of the Department : Computer Science and Engineering
    Year of establishment :   1991

2. Names of Programmes / Courses offered

    UG : B.Tech - Computer Science & Engineering
    PG : M.Tech - Computer Science & Engineering
    Ph D - Computer Science & Engineering

3. Interdisciplinary courses and departments involved

S No.	Course Title	Programme	Departments Involved
1	Nano Technology	UG	Department of Electronics and Communication Engineering
2	New and Renewable Energy Systems	UG	Department of Mechanical Engineering
3	Remote Sensing and GIS	UG	Department of Civil Engineering
4	Mechatronics	UG	Department of Electrical and Electronics Engineering

4. Annual/ semester/choice based credit system
        Semester - Credit Based Grading System

5. Participation of the department in the courses offered by other departments

S No.	Course Title	Name of the Department
1	Product Life Cycle Management & Java	Department of Mechanical Engineering
2	Introduction to Information Systems	Department of ME, EEE, ECE, CE
3	Web Development Programming	Departments of ECE, EEE, ME, CE
4	C Programming	All the departments

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	Filled
Professors	5	5
Associate Professors	8	5
Asst. Professors	26	33

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S No.	Name	Designation	Qualification	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr. N. Kasiviswanath	Prof. & Head	M.S., Ph.D.	Computer Science Engg.	23 years	--
2	Dr. R. Praveen Sam	Professor	M.Tech., Ph.D	Computer Science Engg.	15+ years	--
3	Dr. D. Kavitha	Professor	M.Tech., Ph.D	Computer Science Engg.	13+ years	--
4	Dr. S. Zahoor-ul-Huq	Professor	M.Tech., Ph.D	Computer Science Engg.	14+ years	--
5	Dr. G. Sunil Vijaya Kumar	Professor	M.Tech., Ph.D	Computer Networks	19+ years	1
6	Sri C. Sreedhar	Associate Prof.	M.E., (Ph.D)	Computer Science Engg.	13 years	--
7	Sri K. Ishthaq Ahamed	Associate Prof.	M.Tech., (Ph.D)	Computer Science Engg	13 years	--
8	Sri J. Swami Naik	Associate Prof.	M.Tech., (Ph.D)	Computer Science Engg.	12.5 years	--
9	Sri M. Imtiaz Ur Rahaman	Associate Prof.	M.Tech	Computer Science Engg	13 years	--
10	Sri K. Govardhan Reddy	Associate Prof.	M.Tech., (Ph.D)	Computer Science Engg	15 years	--
11	Sri G. Vijaya Kumar	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg.	12 years	--
12	Sri Y. Rama Mohan	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	11 years	--
13	Smt. M. Padma	Assistant Prof.	M.E., (Ph.D)	Computer Science Engg	13 years	--
14	Smt. T. Swathi	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	11 years	--

15	Smt. A. Vineela	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	12 years	--
16	Smt. L. Sudha Rani	Assistant Prof.	M.Tech	Computer Science Engg	9 years	--
17	Sri P. Praveen Yadav	Assistant Prof.	M.Tech	Computer Science Engg	8 years	--
18	Sri P.N.V.S. Pavan Kumar	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	10.6 years	--
19	Sri K. Bala Chowdappa	Assistant Prof.	M.Tech	Computer Science Engg	8 years	--
20	Sri B. Santhosh Kumar	Assistant Prof.	M.S	Cloud Computing	7 years	--
21	Sri K. Sudhakar	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg.	7 years	--
22	Sri Penchala Prasad	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	7 years	--
23	Sri K.Srikanth	Assistant Prof.	M.Tech	Software Engineering	7 years	--
24	Ms. S. Aarthi	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	5 years	--
25	Sri B. Thimma Reddy	Assistant Prof.	M.Tech	Software Engineering	6.5 years	--
26	Ms. D. Meenakshi	Assistant Prof.	M.Tech	Software Engineering	6.5 years	--
27	Smt. K. Asha Rani	Assistant Prof.	M.Tech	Computer Science Engg	6 years	--
28	Sri A. Vishnuvardhan Reddy	Assistant Prof.	M.E., (Ph.D)	Software Engineering	7 years	--
29	Smt. P. Sreevani	Assistant Prof.	MS.,	Computer Science	13 years	--
30	Sri K.V. Rameswara Reddy	Assistant Prof.	M.Tech	Information Technology	7.5 years	--
31	Sri B. Dilip Kumar Reddy	Assistant Prof.	M.Tech	Computer Science Engg	5+ years	--

32	Sri M. Raghavendra Reddy	Assistant Prof.	M.Tech	Software Engineering	6 + years	--
33	Sri V. Suresh	Assistant Prof.	M.Tech	Software Engineering	5 years	--
34	Sri S. aghunath Reddy	Assistant Prof.	M.Tech	Software Engineering	4 + years	--
35	Sri Y.R. Janardhan Reddy	Assistant Prof.	M.Tech	Computer Science Engg	5 + years	--
36	Sri S. Vinay Kumar	Assistant Prof.	M.Tech	Computer Science Engg	3.5 years	--
37	Smt. S. Subba laksmi	Assistant Prof.	M.Tech	Computer Science Engg	6.0 years	--
38	Sri B. Rajesh	Assistant Prof.	M.Tech.	Computer Science Engg	4.5 years	--
39	Smt. A.V.R. Mayuri	Assistant Prof.	M.Tech., (Ph.D)	Computer Science Engg	14 years	--
40	Sri C.V. Chakradhar	Assistant Prof.	M.Tech	Artificial Intelligence	1 year	--
41	Smt. P. Srilakshmi	Assistant Prof.	M.Tech	Computer Science Engg	4 years	--
42	Smt. T. Jhansi Rani	Assistant Prof.	M.Tech	Computer Science Engg	4 years	--
43	Ms. P. Sunanada	Assistant Prof.	M.Tech	Computer Science Engg	----	--

8. Percentage of classes taken by temporary faculty – programme-wise information
   NIL
9. Programme-wise Student Teacher Ratio

S No.	Programme Name	Student Teacher Ratio
1	UG	1:13.5
2	PG	1:12
3	Ph D	NA

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Academic Support Staff	8	8
Administrative Staff	3	3

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

<div align="center">NIL</div>

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

Name of the Coordinator	Project Name	Sanctioned Letter Details	Project Title	Utilization Position As on Today	Funding agency	Amount Sanctioned (in lakhs)
Dr. N. Kasiviswanath	MODROBS	8024/RIFD/MOD-31(Pvt.)/Policy-IV/2011-12 Dated : 20-6-2012	Modernization of Web Technologies and Advanced Networking Lab	Completed	AICTE	13.0
Dr.R.Praveen Sam	Minor Research Project	MRP-4557/14(SERO/UGC)	Developing disaster management applications using mobile ad-hoc networks test bed	Completed	UGC	2.4

13. Research facility / centre with
    o State recognition :
       Computer Science and Engineering Department of G. Pulla Reddy Engineering College is recognized as a Research Centre by Jawaharlal Nehru Technological University, Ananthapuramu. Presently two full time research scholars are pursuing their research.
    o National recognition : NIL
    o International recognition : NIL

14. Publications:

    * Number of papers published in peer reviewed journals (national / international)

Publications	Academic year				
	2015-16	2014-15	2013-14	2012-13	2011-12
Research papers published in Journals (National, International)	19	40	16	17	7
Papers presented in the proceedings of Seminars (National, International)	2	-	-		11

a. Monographs : NIL

b. Chapter(s) in Books : **Dr.N.Kasiviswanath** author of 10th chapter in "Using Cross-Layer Techniques For Communication Systems" published by IGI publications, New York in April 2012, ISBN 13 : 9781466609600, DOI : 10.4018/978-1-4666-0960-0

c. Editing Books : NIL

d. Books with ISBN numbers with details of publishers

Sl.No	Title of Text Book	Name of the Author(s)	Publishers with ISBN number
1	Computer Organization and Architecture	Dr. R. Praveen Sam	LAP Lambert Academic Publishing 978-3659571190

	2015-16	2014-15	2013-14	2012-13	2011-12
number listed in International Database (For *e.g*. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc	24	21	37	21	12
Citation Index	0	0.307	0.122	0.091	0.45
Impact factor – range / average	1.222-6.577/3.142	0.889 – 6.209 / 3.19	1.222 – 5.93 / 3.41	0.345 – 5.332 / 2.43	0.847 – 3.32 / 1.93

15. Details of patents and income generated
    NIL
16. Areas of consultancy and income generated
    NIL
17. Faculty recharging strategies
    ➢ Faculty Development Programmes
    ➢ Online Courses
    ➢ Workshops
    ➢ National/International Conferences
    ➢ Guest lectures
18. Student projects
    o percentage of students who have done in-house projects including inter-departmental

o percentage of students doing projects in collaboration with industries / institutes

Programme	Academic Year	Number of Students (projects)			% of students doing in house projects	% of students doing in industry
		In House students (projects)	Internship students (projects)	Total		
B.Tech	2015-16	173 (59)	11 (4)	184	94	6.0
	2014-15	126 (42)	12 ((7)	138	91.3	8.7
	2013-14	129 (43)	10 (7)	139	92.8	7.2
	2012-13	138 (46)	0	138	100	0.0
	2011-12	128 (42)	0	128	100	0.0
M.Tech	2015-16	18 (18)	0	18	100	0
	2014-15	16 (16)	0	16	100	0
	2013-14	0	18 (18)	18	0	100
	2012-13	0	18 (18)	18	0	100
	2011-12	0	18 (18)	18	0	100

19. Awards / recognitions received at the national and international level by
    o Faculty
    o Doctoral / post doctoral fellows
    o Students

Name of the Student	National
2015-2016	
S.Revathi	I Prize in Essay Writing at GPREC,Kurnool
V.Preethi Sagar	II Prize in Technical Seminar at GPREC, Kurnool
G.Anusha	II Prize in Single user dual mode at GPREC, Kurnool
K.Harika	II Prize in Poster Presentation at JNTUA,Ananthapuramu
S.Subhashini	III Prize in elecution at GPREC,Kurnool
S.Subhashini	I Prize in Debate telugu at GPREC,Kurnool
Y.Anjaneyulu	I Prize in Technical Quiz on Data Structures at GPREC, Kurnool
S.Abdul Hafeez	II Prize in Poster Presentation at GPREC,Kurnool
P.Aasif Khan	I Prize in Paper Presentation conducted by IEEE GPREC Student Branch at GPREC,Kurnool
2014-2015	
Rahul Akula	Best Student Facilitator at IUCEESpeed Workshop-2014
2013-2014	
K.B.D. Sridevi	A+ in Short term course studyinWatercooperation
	IARC Center for Science & Culture
2012-2013	
T.Heena Fayaz	II Prize in Paper Presentation at GPREC,Kurnool
K.B.D.Sridevi	I Prize in Technical Quiz at GPREC, Kurnool
	II Prize in Technical Quiz at GPREC, Kurnool

G.Raviteja	I Prize in Technical Quiz at GPREC, Kurnool
	II Prize in Technical Quiz at GPREC, Kurnool
	I Prize in Who'z D Greek at JNTUA, Ananthapuramu
B. RamKumar	II Prize in Dig D Bug at JNTUA,Ananthapuramu
V. Srimithra	II Prize in Paper Presentation at JNTUA Ananthapuramu.
	II Prize in Coding Junction at CMR Technical campus
	I Prize in Dig D Bug at JNTUA,Ananthapuramu
P.Shivarami Reddy	I Prize in Dig D Bug at JNTUA,Ananthapuramu
M.Lahari	I Prize in Technical Quiz at GPREC, Kurnool
G. Mounika	I Prize in paper Presentation at MallaReddy Engineering College, Hyderabad
N.Shiva Vandana	I Prize in paper Presentation at MallaReddy Engineering College, Hyderabad
2011-2012	
K. Surendra Vara Prasad	I Prize in Paper Presentation at CVR Engineering College, Hyderabad
B. Surendra	I Prize in Paper Presentation at CVR Engineering College, Hyderabad
K. Surendra VaraPrasad Reddy	I Prize in Cloud Computing at Indira Priyadarshini Engg college, Kurnool
S.Surendra Kumar	I Prize in Cloud Computing at Indira Priyadarshini Engg college, Kurnool
V. Srimithra	I Prize in CODEC at IIT Bhubaneshwar
	I Prize in Debugging at Narayana Engineering College, Nellore
	I Prize in C Coding at Netaji Institute of engg and technology
	I Prize in C Debugging at D.R.K Group of Institutions
K. Haritha	I Prize in Paper Presentation at Muffakham Ja Engg College, HYD
S.Neelima	I Prize in Nano Technology at JNTUA,Ananthapuramu
S.Ameena	I Prize in Nano Technology at JNTUA,Ananthapuramu

20. Seminars/ Conferences/Workshops organized and the source of funding (national /International) with details of outstanding participants, if any.

Academic Year	Name of workshop/FDP	Organized by and sponsored by	Date(s) of Event(s)	No. of Participants
2015-2016	Cloud, BigData and IoT	IEEE Student Branch of G.Pulla Reddy Engineering College, Kurnool	12th-DEC-2015	60
2015-2016	Essentials of Big Data Using Hadoop and IBM Info sphere Big Insight	G.Pulla Reddy Engineering College	7th -DEC-2015 -10th-DEC-2015	40
2015-2016	LINUX Administration(FDP)	G.Pulla Reddy Engineering College	19-NOV-2015	28
2015-2016	Enterprise Application Development for Cloud Deployment Using IBM Blue Mix	G.Pulla Reddy Engineering College	3rd -AUG-2015 -8th-AUG-2015	40
2014-2015	A One day National Level Technical Convention "Aavishkar"	G.Pulla Reddy Engineering College, Kurnool In association with CSI	16th December 2014	164
2014-2015	A Two Day National Level Technical Symposium " Jignasa"	G.Pulla Reddy Engineering College, Kurnool In association with ISTE	22nd & 23rd December 2014	200+
2013-2014	Workshop on "National Network Security Championship"	G.Pulla Reddy Engineering College, Kurnool In association with Network Bulls, Gurgaon and ACM-IIT Delhi	21st and 22nd November 2013	188
2012-2013	Introduction to Cloud Computing and ANEKA Platform	G.Pulla Reddy Engineering College, Kurnool	9th -DEC-2012	40
2012-2013	FDP on C and Data Structures	Organised by G.Pulla Reddy Engineering College, Kurnool and Sponsored by APSCHE, Hyderabad	21st-AUG-2012 -26th-AUG-2012	30
2011-2012	Workshop on Cloud Computing	G.Pulla Reddy Engig College, Kurnool	23rd DEC 2011	33

21. Student profile course-wise:

Admission process is done by APSCHE, Hyderabad.

Name of the Course		Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
UG	2009-2013	NA	54	66	91.2	98.5
	2010-2014	NA	70	50	93.9	96.3
	2011-2015	NA	53	67	83.0	87.5
	2012-2016	NA	79	101	82.1	97.9
PG	2011-13	NA	10	8	100	100
	2012-14	NA	11	7	100	100
	2013-15	NA	9	9	100	100
	2014-16	NA	4	14	-	-

22. Diversity of Students

Name of the Course (refer question no. 2)		% of students from the college	% of students from the state	% of students from other states	% of students from other countries
UG	2011-12	NIL	100	NIL	NIL
	2012-13	NIL	100	NIL	NIL
	2013-14	NIL	100	NIL	NIL
	2014-15	NIL	100	NIL	NIL
	2015-16	NIL	100	NIL	NIL
PG	2011-12	NIL	100	NIL	NIL
	2012-13	5.5	94.5	NIL	NIL
	2013-14	5.5	94.5	NIL	NIL
	2014-15	NIL	100	NIL	NIL
	2015-16	11.11	88.89	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Academic Year	2015-16	2014-15	2013-14	2012-13	2011-12
GATE	5	7	7	11	14
GRE		2			

24. Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG to PG	--	4.3	7.91	6.52	6.25
Employed					
Campus selection	52.71	48.55	66.18	47.82	42.96
Entrepreneurs	--	--	1	--	--

25. Diversity of staff
   Percentage of faculty who are graduates of the same parent university
   from other universities within the State from other universities from other States

Dept.	% of faculty who are product of the same College	% of faculty from other Colleges within the State	% of faculty from other States	% of faculty from abroad
CSE	37.2%	62.8%	NIL	NIL

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

S No.	Name of the faculty	Degree Awarded	Awarded Year	Name of the University
1	Dr.D.Kavitha	Ph D	2012	Sri Krishna Devaraya University, Anantapur
2	Dr.S.Zahoor Ul Huq	Ph D	2012	Sri Krishna Devaraya University, Anantapur

27. Present details about infrastructural facilities
a. Library

Books	Journals/Magazines/ Periodicals		CDs, VCDs and	Others
	National	International	Multimedia	
791	CSI	-	228	81

The department library contains textbooks, journals, CBT's, software reference manuals. The total textbooks in the library is 791 (upto 2015-2016), Computer Based Tutorials of various Subjects (CD's) – 228, Journals – 1(CSI) and , software reference manuals-81.

b. Internet facilities for staff and students
   College is providing WiFi with 10Mbps Bandwidth to entire campus. It is also providing LAN internet facility with 30Mbps to staff and students and 10MBPS for Dept. R&D lab.

c. Total number of class rooms : 12
   Number of class rooms at Silver Jubilee Block : 6 including E-Classroom
   Number of class rooms at CSE Block 2 : 5
   Number of class rooms at PG Block : 1

d. Class rooms with ICT facility : 8
   Number of class rooms with ICT facility at Silver Jubilee Block : 6 including E-Classroom
        Number of class rooms at CSE Block 2 : 2

e. Students' laboratories : 6 (469 systems, 9 servers)

Database Lab

Computer System	Computer Configuration / Printer / Scanner	No of systems
SERVER	**IBM Server:** Quad core Xeon 2.13 GHz,16GB DDR3 RAM,DVD ROM, 500 GB x 2 No's HDD, Keyboard, Mouse, 18.5" LED Monitor.	1
Desktops	DELL Core 2 Duo 2.93GHz, 2 GB DDR3 RAM, 320 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" LCD Monitor	76
UPS	DELTA H - 20 KVA	1
Printer	TVS MSP 345 Champion 136Col.	3
Printer	Epson Dot Matrix	1

Programming Lab

Computer System	Computer Configuration / Printer / Scanner	No of systems
Server	**IBM Server:** Quad core Xeon 2.13 GHz, 16GB DDR3 RAM, DVD ROM, 500 GB x 2 No's HDD, Keyboard, Mouse, 18.5" LED Monitor.	1
Desktops	DELL Core 2 Duo 2.93GHz, 2 GB DDR3 RAM, 250 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" TFT Monitor.	76
Printer	EPSON PRINTERS	2
Printer	TVS MSP 345 Champion 136Col.	3
Printer	TVS MSP 250 Champion 80 Col.	1

Computer Center:

Computer System	Computer Configuration / Printer / Scanner	No. of Systems
Systems	Intel Core i3 3.3 GHz,8 GB DRR3 RAM,500 GB SATA HDD,DVD-RW,18.5" TFT Monitor	80
UPS	20 KVA UPS	1
Printer	TVS Dot Matrix Printer	1

Computer Lab1:

Computer System	Computer Configuration / Printer / Scanner	No. of Systems
Server	**Server :** XEON 2.0 GHz, 2 GB RAM, 143 GB x 2 SAS Hard Disks, DVD Writer, Keyboard, Mouse, 18.5'' LED Monitor	1
Desktops	Core 2 Duo 2.93GHz, 1 GB DDR2 RAM, 80 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" TFT Monitor.	12
	I3, 4 GB DDR3 RAM, 500 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" TFT Monitor.	41
	P IV 3.0 40 GB Hard Disk, Combo Drive, Key Board, Mouse, 18.5" TFT Monitor.	23
Printer	TVS MSP 345 Champion 136Col.	1
Printer	TVS MSP 250 Champion 80 Col.	1
UPS	20 KVA	1

Computer Lab2:

Computer System	Computer Configuration / Printer / Scanner	No. of Systems
Server	**Server :** XEON 2.0 Core 2 duo, 4 GB RAM, 250 GB x 2 SAS Hard Disks, DVD Writer, Keyboard, Mouse, 18.5'' LED Monitor	1
Server	Intel XEON Core 2 Duo 2.0 GHz, 2 GB RAM, 75 x 2 Hard Disk, DVD ROM, Keyboard, Mouse, 15" LCD Monitor	1
Desktops	Core 2 Duo , 1 GB DDR2 RAM, 160 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" TFT Monitor.	40
	I3, 4 GB DDR3 RAM, 500 GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" TFT Monitor.	30
	P IV, 40 GB Hard Disk, Combo Drive, Key Board, Mouse, 18.5" TFT Monitor.	06
printer	TVS MSP 345 Champion 136Col.	2
printer	TVS MSP 250 Champion 80 Col.	2
UPS	20 KVA	1

Computer Lab3:

Computer System	Computer System Configuration	No. of Systems
Systems	HCL Core 2 Duo 2.0 GHz, 512 MB RAM, 80GB Hard Disk, DVD Writer, Keyboard, Mouse, 18.5" LED Monitor	19
Server	DELL Power Edge R410, 2.4 GHz, 16 GB RAM, 500 GB Hard Disk, DVD RW, Keyboard, Mouse,18.5" TFT Monitor.	1
UPS	15 KVA UPS	1
Printer	TVS Dot Matrix Printer	1

f) Research laboratories : 2

R&D Lab

Computer System	Computer System Configuration	No. of Systems
Server	WEB SERVER - HP Proliant ML 330 G6 Intel Xeon 2.26 GHz.300GB SAS HDD,4GB RAM,DVDROM	1
Server	DOMAIN SERVER - HP Proliant ML 330 G6 Intel Xeon 2.26 GHz.300GB SAS HDD,4GB RAM,DVDROM	1
Server	FILE SERVER - HP Proliant ML 350 G6 Intel Xeon 2.40GHz.300GB*3 SAS HDD,6GB RAM,DVDROM	1
Systems	DELL Intel Core i3 3.3 GHz,8 GB DRR3 RAM,500 GB SATA HDD,DVD-RW,18.5" TFT Monitor	31
UPS	DELTA 20KVA UPS with 20 No's of Batteries	1

Cisco Lab:

Computer System	Computer System Configuration	No. of systems
Systems	HP i-3 , 4GB RAM, 500GB Hard Disk, Keyboard, Mouse, 18.5" LED Monitor	35
Kit	Cisco Networking Kits	1
UPS	15 KV UPS	1

28. Number of students of the department getting financial assistance from the College.

Academic Year	Roll No.	Student Name
2013-2014	139X1A0528	C.Subba Thirupalu
	139X1A05C0	R.Srinatha Reddy
	139X1A05C6	S.Subhashini
2014-2015	149X1A0558	G.Sunil Kumar Reddy
2015-2016	159X1A0511	A.Raju
	159X1A0515	B.Veeresh
	159X1A05D7	S.Sumanth
	159X1A05G4	U.Dinesh

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, during informal meetings with the faculty and alumni, head of the department takes the opinions and advices about the latest industry requirements. Based on their suggestions, department proposes to introduce new programs/courses.

30. Does the department obtain feedback from

   a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

   Yes, when the faculty specialized in a subject feels the need for modification of the syllabi, the same is discussed in departmental/internal BOS meeting and then the same is discussed in the final BOS meeting. Then the members of BOS will approve it straight away or suggest modifications and the changes will be incorporated in the curriculum.

   b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

   Yes, there is a formal mechanism to obtain feedback from students.

   Feedback on staff is taken at the end of each semester. Feedback questionnaire is scientifically designed. Based on the student response, Faculty Competence is graded for 5 points. The result of the survey is discussed with the concerned faculty members by the HOD and suggestions are given to improve the performance.

At the end of the programme, students will give feedback on curriculum, teaching-learning evaluation, department, college. Feedback on curriculum is analyzed in BOS meeting and if necessary, changes are made in the syllabus.

c. alumni and employers on the programmes and what is the response of the department to the same?

Yes, the department has been collecting feedback from the alumni (on our syllabus, industry trends, emerging technologies and domains) and employers (both during the campus interviews and after students become their regular employees) and uses it to

- Revise the syllabus where required.
- Train our faculty on those new technologies and domains.
- Impart the knowledge on those new areas to students through lectures and labs.
- Introduce new interdisciplinary courses where possible.
- The alumni who is working in industry will be one of the BoS members of the college.

31. List the distinguished alumni of the department

S.No	Student Roll No.	Name of student	Present status
1	91108	Dr.B.Eshwar Reddy	Principal, JNTUA, Kalikiri
2	91126	A.Tejo Vardhan	Senior Consultant in TCS
3	91127	S.Venkata Narayana	Project Manager in HCL Technologies
4	95140	Dr.K Raghavendra	Senior Scientist in ISRO
5	98123	Sr.S.Jagadeesh Chandra Bose	Project Lead in Xerox Corporation
6	98130	Murali Krishna Yadav	Software Engineer in Microsoft Corporation
7	99153	Vamsi Krishna	Senior Application Developer in IBM
8	20001002	Archana Reddy	Software Engineer in Dell International Service
9	20001041	Harikrishna Reddy	Software Engineer in Microsoft

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Topic	Name of Resource Person	Affiliation	Duration
2015-2016			
IBM CE Enablement Program-Essentials of Big Data Using Hadoop	Joy Ukkem (IBM Cnsultant), Rama Varakantham (IBM Consultant)	IBM	7th Dec 2015 to 10th Dec 2015
2014-2015			
Workshop on SAP	B.Abhilash,	Director	23rd Aug 2014,

INSIDE TRACK 2014	C.V. Mahesh Kumar	Senior Architecture	10 AM to 1.30 PM
Guest Lecture on Career Guidance	Lakshmi Lavanya Reddy	Team Leader	16th Aug 2014,11.30 PM to 1.30 PM
Guest Lecture on Cyber Physical Systems	P.Suresh Kumar	Director / CEO	21st July 2014
2013-2014			
Guest Lecture on Latest Technologies in IT	T.Anuradha	MD & CEO , Black Buck Engineers, Hyderabad	20th July 2013 10.30 to 12.30 AM
2012-2013			
Guest Lecture	E.Madhu Babu	Technical Team Lead,IBM	13th July 2012 2.45 PM
Workshop	I.L.Narasimha Rao	Chairman, CSI Hyderabad	8th,9th August 2012
Workshop on "Introduction to Cloud Computing and Aneka Platform"	Prof. Rajkumar Buyya	CEO, Manjrasoft	9th Dec 2012
Microsoft Workshop	Madhu Babu	Tech Lead, IBM	16th Feb 2013, 8.30 AM to 4.00 PM
Workshop on Windows 8 Features	Ranga Kasinathan	Sr. Program Manager,Microsoft	16th Feb. 2013 11.30 AM to 12.30 PM
Workshop on Designing Windows Store Apps	Nitin Pandey	Microsoft IT	16th Feb. 2013 12.30 PM to 1.00 PM
Workshop on Windows 8 Phone	Nitin Pandey	Microsoft IT	16th Feb. 2013 2.30 PM to 3.00 PM
Workshop on Windows Azure	Hari Hara Muvvala	Core Member, Hyderabad Techies	16th Feb. 2013, 3.00 PM to 3.30 PM
Guest Lecture	G.Krishna Chaitanya	Senior Lead Engineer, Qualcomm India pvt. Limited, Hyderabad	26th Mar. 2013, 11.30 AM

2011-2012			
Guest Lecture	K.Phani Sekhar	Program Manager, Quality Software Solutions	16th July 2011, 11.30 AM
Guest Lecture	Prof. I.L. Narasimha Rao	Vice Chairman, CSI, Hyderabad	17th March 2012, 11.00 AM
Guest Lecture	E.Madhu Babu	Technical Team Lead, IBM India pvt. Ltd. , Hyderabad	12th July 2012, 2.45 PM
Workshop on RFID	Pankaj Diwan	CEO, Idea Labs, Hyd.	11th Oct. 2011, 10.10 AM
Guest Lecture on Introduction to Android	R.Pradeep Sam	Group Lead, Govt. ISU,TCS-Hyderabad.	26th Dec. 2011, 11.30 AM
Guest Lecture on Project Management	Mr.Ravi Chintha Mr.Venkappa	Project Engineer, Motorola Project Engineer, Robert Bosch	8th Sep. 2012, 2.20 PM

33. List the teaching methods adopted by the faculty for different programmes.
  - Regular class room teaching with chalk and board.
  - Seminars and Power point presentations with LCD projectors in Class Rooms.
  - Interactive Discussions with students by using E-Board (Interactive Electronic Board) located in E- Classroom.
  - Networking concepts through Network tool kits located at CCNA research Lab.
  - Conducting tutorial classes
34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?
  1. The Programme Objectives are aligned with the vision & mission statements of the department.
  2. The teacher of the course prepares the lesson plan well in advance and aligns this to meet the Course Outcomes (COs). The lesson plan is dictated to the students in the initial classes only.
  3. The Head of the Department goes through handouts (Lesson Plans) of all courses to ensure that the course coverage is matching with the learning objectives for the course as well as the programme.
  4. The department also collects feedback from students during the class committee meetings about any shortfall in the learning outcomes for a particular course.
  5. Department ensures the learning outcome and program objectives through the continuous assessment component, mid semester and comprehensive examinations. Continuous assessment is an important and integral part of the course, where students will be evaluated throughout the semester by conducting tutorials, viva-voce and structured seminars.
  6. The External Examiners, who conduct the practical examinations, also monitor students' performance and practical skills.

7. Intra departmental meetings are held periodically. Responsibilities are assigned. Feedback is taken from faculty, UG and PG students of the department.
8. Encouraging the students to participate in the national level competitive examinations.

35. Highlight the participation of students and faculty in extension activities.
   ➢ The faculty and students visit rural schools and train the students on the usage of open source software through Spoken Tutorial Project, IIT Bombay and also teach academic concepts using Information and Communication Technology. This is done by the students who are registered under Extension Activities and it is also included in the curriculum as part of Extra Academic Activities.
   ➢ The department has arranged Technical Exhibition **VIGNANAMELA** as part of College Day, Pearl Jubilee Celebrations on 18,19 and 20th February 2015. About 40 computer science applications were exhibited in the department Laboratories. This exhibition was made open to all the college students and general public of the Kurnool city.

36. Give details of "beyond syllabus scholarly activities" of the department.
   ➢ Many of the students are getting Cisco Certified Network Associate(CCNA) certifications, IBM CE programs like "Essentials of Big Data using Hadoop and IBM Infosphere Biginsights" and "Cloud Computing".
   ➢ The students periodically participate and present technical papers, attend academic seminars, Workshops and poster presentations organized by other Universities as well as colleges. The research scholars participate in national & international conferences and present their research work and hence interact with fellow researchers from other leading institutions.
   ➢ A few technical papers of our students are accepted in the international conferences.
   ➢ Students participated in essay writing, elocution competitions and won prizes.
   ➢ Invited talks by eminent scientists and academicians are also arranged under the Computer Society of India Students' chapter, on topics of current research interest.
   ➢ Encouraging the students to learn and use open source softwares through Spoken tutorial Project, IIT Bombay.

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
   NO

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
   Strengths :
   ➢ Young and Dynamic faculty easily adopt any changes.
   ➢ Excellent teaching learning environment with modern teaching aids, well equipped laboratories and infrastructure.
   ➢ Talented Students
   ➢ Good placement record for the last 5 years.
   ➢ Forums like CSI, CSE Alumni, IEI, IEEE are actively working.
   ➢ Most of the faculty are pursuing higher education
   Weaknesses:
   ➢ Well experienced faculty with Ph D qualification are less in number.
   ➢ Less number of journals and volumes of books in the department library.

- Less number of funded projects.
- Research facilities in the department to be enhanced so that faculty pursuing Ph D can do their research in the laboratories.
- Very few students in the department are appearing for GATE .

Opportunities:
- Autonomy in curriculum design and development
- Organizing faculty development programmes and student training programmes.
- Financial autonomy.

Challenges:
- Getting funded projects from UGC, DST, AICTE,etc.
- Training students beyond academics.
- Frequent and fast changes in the technology.
- Acquiring faculty with industrial experience.

39. Future plans of the department.
- To promote Research and Development activities by forming core research groups in the area of emerging technologies and establish the state of the art research laboratories in the following research areas:
  - Wireless Communication
  - Internet of Things
  - Computational Intelligence
  - Big Data and Cloud
  - Embedded Systems
- To encourage more number of students towards web based learning through online courses.
- To organize workshops, symposiums, seminars, guest lectures, faculty development programs and Conferences in the department to promote research and development in core research areas of computer science.
- To establish incubation center for developing entrepreneurship and promoting start-up with innovative ideas.
- To tie up the department with different IT Industries.
- The department seeks to start a software development center with a faculty coordinator and a group of students to develop application software and IT related Services.
- To encourage more number of students for summer internship training programme.
- To initiate the strong Industry - Academia collaborative research and National and International Research Collaboration.
- To strengthen the linkages with DST, AICTE, UGC for contributing towards productive socio-economic growth of the Nation.
- To strengthen the departmental library with periodicals and research journals
- In addition to the existing certifications on Big Data Analytics, Cloud Computing and CCNA, department also plans to introduce certification programmes on Internet of Things.
- Propose to introduce M.Tech programme in the following fields.
  - Data Science
  - Network Security

E. 5 Evaluative Report of the Electrical & Electronics Engineering Department

1. Name of the Department & its year of establishment:
   Electrical and Electronics Engineering, 1994.
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme of Study	Course
UG - B.Tech	Electrical and Electronics Engineering
PG- M.Tech	Power Electronics
Ph.D.	All feasible areas related to Electrical and Electronics Engineering

3. Interdisciplinary courses and departments involved

S.No.	Interdisciplinary Courses	Department involved
1	Remote Sensing and GIS	CE
2	New and Renewable Energy Systems	ME
3	Artificial Intelligence and Expert Systems	ECE
4	Nanotechnology	ECE
5	Introduction to Information Systems	CSE
6	Mechatronics	ECE
7	Web Development Programme	CSE
8	Environmental and Water Resources Engineering	CE
9	Entrepreneurship Development	ME
10	Information Security and Cyber Laws	CSE

4. Annual/ semester/choice based credit system : **Semester-Credit Based Grading System**
5. Participation of the department in the courses offered by other departments

Subject Code	Subject	Sharing Department
EE210	Circuit Theory	ECE
EE211	Electrical Technology	ECE
EE316	Linear Control Systems	ECE
EE101	Elements of Electrical Engineering	BS
EE212	Electrical Circuits and Machines Lab	ECE
EE213	Electrical & Electronics Engineering Lab	ME

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

Academic year	2016-17	
	Sanctioned	Filled
Professors	3	4
Associate Professors	6	5
Assistant Professors	18	19

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.

Academic year 2016-2017

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.T.Bramhananda Reddy	Ph.D	Professor	Power Electronics and Drives	13	02
Prof. L. Rajasekhar Goud	M.Tech (Ph.D)	Professor	Power systems and high voltage engineering	29	-
Dr. Y.V.Siva Reddy	Ph.D	Professor	Power systems and Electrical Drives	19	-
Dr.K.Sri Gowri	Ph.D	Professor	Power Electronics and Drives	13	-
Dr. M. Siva Satyanarayana	Ph.D	Associate Professor	Power systems	19	-
Dr. N. Ravi Sankar Reddy	Ph.D	Associate Professor	Power Electronics	12	-
Dr. G. Kishor	Ph.D	Associate Professor	Power Electronics and industrial Drives	14	-
Dr.G. Satheesh	Ph.D	Associate Professor	Power Electronics and Drives	13	-
Dr. V. Anantha Lakshmi	Ph.D	Associate Professor	Power Electronics and Drives	11	-
Sri.Vamshi Krishna Varma	M.Tech	Sr.Assistant Professor	Power Electronics	14	-
Sri. G. Venkata Subba Reddy	M.Tech (Ph.D)	Assistant Professor	Power systems	10	-
Smt. B. Urmila	M.Tech (Ph.D)	Assistant Professor	Power Electronics	10	-
Sri. Abid Nayeemuddin	M.Tech (Ph.D)	Assistant Professor	Power Electronics	8	-
Sri. M. Harshavardhan Reddy	M.Tech (Ph.D)	Assistant Professor	Power Electronics and industrial Drives	5	-

Sri C. Harinatha Reddy	M.Tech (Ph.D)	Assistant Professor	Power Electronics and industrial Drives	15	-
Sri. G. Sreenivasa Reddy	M.Tech (Ph.D)	Assistant Professor	Power systems and high voltage engineering	10	-
Sri. S. Anil Kumar	M.Tech	Assistant Professor	Electrical Power Systems	7	-
Sri. B. Amarnath Naidu	M.Tech	Assistant Professor	Power Electronics	6	-
Sri K. Siva Sankar Reddy	M.Tech	Assistant Professor	Electrical Power Engineering	9	-
Smt. G. Haritha	M.Tech	Assistant Professor	Power Electronics and Electrical Drives	4	
Sri. A. Pradeep kumar Yadav	M.Tech	Assistant Professor	Power Electronics and Electrical Drives	4	
Sri D.Viswamoahan Reddy	M.Tech	Assistant Professor	Power Electronics and Drives	1	
Sri V.Mahananda Reddy	M.Tech	Assistant Professor	Power Electronics and Drives	1	
Sri E.Sreenadh	M.Tech	Assistant Professor	Power systems	1	
Sri G.Sidda Reddy	M.Tech	Assistant Professor	Power Electronics and Drives	1	
Ms.E.Sai Veena	M.Tech	Assistant Professor	High Voltage Engineering	-	
Smt. S.Renuka	M.Tech	Assistant Professor	Power Electronics	-	
Sri B. Raghavendra Reddy	M.Tech	Assistant Professor	Reliability Engineering	-	

8. Percentage of classes taken by temporary faculty – programme-wise information

NA

9. Programme-wise Student Teacher Ratio

Acadamic year		2016-17
S.No	Programme	Ratio
1	UG	1: 14.45
2	PG	1: 12
3	Ph.D	---

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Academic year	2016-17	
	Sanctioned	**Filled**
Academic support staff	6	6
Administrative staff	2	2

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

<div align="center">NIL</div>

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

<div align="center">NIL</div>

13. Research facility / centre with
    * state recognition: **Recognized as Research Centre by JNTUA, Ananthapuramu to offer regular Ph.D course**
    * national recognition :   NIL
    * international recognition :   NIL
14. Publications :
    * Number of Papers Published In Peer Reviewed Journals (National/International)

	Academic Year			
Publications	**2015-16**	**2014-15**	**2013-14**	**2012-13**
Research Papers Published In Journals (National, International)	22	16	21	21
Papers Presented In The Proceedings of Seminars (National, International)	5	6	15	5
Citation index range/average	0.79	12.08	0.79	5.39
SNIP	1	1	1	2
SJR	1	1	3	2
Impact factor-range/average	0.27-3.7	0.45-5.42	0.4-2.27	00.42-6.2
h-index	1	1	1	1

* Monographs   : Nil
* Chapter(S) In Books   : Nil
* Editing Books   : Nil
* Books With ISBN Numbers With Details Of Publishers : Nil
* Number Listed In International Database (For *E.G.* Web Of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, Ebsco Host, Etc.)

15. Details of patents and income generated :   Nil
16. Areas of consultancy and income generated

Academic Year	Areas for consultancy	Amount in Rs
2015-16	Transformer oil testing and meter testing	1150-00
2014-15	--	Nil
2013-14	Transformer oil testing and meter testing	3500-00

| 2012-13 | meter testing | 62500-00 |
| 2011-12 | meter testing | 39000-00 |

17. Faculty Recharging Strategies (Includes Short Term Programmers, Workshops, FDP etc.)

Program	Academic Year				
	2015-16	2014-15	2013-14	2012-13	2011-12
STTP,WORKSHOP,FDP	18	26	15	08	05

S.No	Name of the Faculty	Title	Venue	Date and Year
1.	V.Sowmya Sree	Simulation Of Power Electronics And Drives	GPREC,KURNOOL	20-25 June 2011
2.	G.Sateesh	Simulation Of Power Electronics And Drives	GPREC,KURNOOL	20-25 June 2011
3.	M.Siva Satyanarayana	Simulation Of Power Electronics And Drives	GPREC,KURNOOL	20-25 June 2011
4.	V.Ananatha Lakshmi	Simulation Of Power Electronics And Drives	GPREC,KURNOOL	20-25 June 2011
5.	G.Kishor	Advanced faculty Development Workshop-MISSION 10X	St.johns college of Engineering technology, Yemmiganur	11th&12th January 2012
6.	M.Harsha Vardhan Reddy	Advances In Multilevel Inverter Topologies	BVRIT, HYDERABAD	7th July 2012
7.	G. Sateesh	Advances In Multilevel Inverter Topologies	BVRIT, HYDERABAD	7th July 2012
8.	M.Harsha Vardhan Reddy	Intelligent Applications In Electrical Engg., IIT Kanpur	IIT KANPUR	17th Sep 2012
9.	G.Sateesh	Nptel, NIIT	WARANGAL	31st Aug – 1st Sep 2012
10.	G. Venkata Subba Reddy	Simulation Of Power Electronics And Drives	GPREC,Kunool	29th Nov – 1st Dec 2012
11.	S. Anil Kumar	Simulation Of Power Electronics And Drives	GPREC, Kunool	29th Nov – 1st Dec 2012
12.	G. Venkata Subba Reddy	Introduction To Genetic, Fuzzy And Neural Systems	GPCET, Kunool	16th Feb 2013
13.	S. Anil Kumar	Introduction To Genetic, Fuzzy And Neural Systems	GPCET, Kunool	16th Feb 2013
14.	G. Venkata Subba Reddy	National Conference On Advanced Electrical Systems And Applications	GPCET, Kunool	29th June 2013
15.	Sri S. Anil Kumar	National Conference On Advanced Electrical Systems And Applications	GPCET, Kunool	29th June 2013
16.	Sri C. Harinatha Reddy	Advanced Power System Protection	VGEI,Hyderabad	27th July 2013

17.	Sri K.Siva Shankar Reddy	International Conference On Emerging Trends In Engineering And Technology	MUNNAR,Kerala	4th – 5th Oct 2013
18.	Sri S. Anil Kumar	Matlab And It's Applications	BITS, Kurnool	10th – 11th Feb 2014
19.	Sri B. Amarnath Naidu	Matlab And It's Applications	BITS, Kurnool	10th – 11th Feb 2014
20.	Sri Y.Suraj	Currents 14	NIT,TIRUCHIRAPALLI	14th Feb 2014
21.	Sri C. Harinatha Reddy	Nptel	IIT,MADRAS	25th Feb 2014
22.	Smt. V. Anantha Lakshmi	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
23.	G. Venkata Subba Reddy	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
24.	B. Amarnath Naidu	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
25.	G. Haritha	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
26.	K.Lokesh Achari	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
27.	S Anil Kumar	Real Time Implementation Of Power Electronic Converters And Drives	GPREC, Kurnool	1st - 3rd May 2014
28.	Sri Y.Suraj	Summer Faculty Research Fellow Programme	IIT,DELHI	15th May - 27th June 2014
29.	G. Venkata Subba Reddy	International Conference On Advanced Electrical Systems And Applications	GPCET, Kurnool	25th June 2014
30.	B. Amarnath Naidu	International Conference On Advanced Electrical Systems And Applications	GPCET, Kurnool	25th June 2014
31.	S Anil Kumar	International Conference On Advanced Electrical Systems And Applications	GPCET, Kurnool	25th June 2014
32.	G Haritha	Fdp On Instructional Design And Delivery Systems	GPREC, Kurnool	2nd-4th July 2014
33.	B Amarnath Naidu	Fdp On Instructional Design And Delivery Systems	GPREC, Kurnool	2nd-4th July 2014
34.	Dr V Ananth Lakshmi	Ieee Hyderabad Section Congress	OSMANIAUNIVERSITY,HYDERABAD	23rd -24th Aug 2014

35.	C. Harinatha Reddy	Ieee Hyderabad Section Congress	OSMANIAUNIVERSITY,HYDERABAD	23rd -24th Aug 2014
36.	C.Harinatha Reddy	Advanced Power System Protection		Aug 27th 2014
37.	V Anatha Lakshmi	Linux Test On Talk To A Teacher Prject At Iit Madras (Ict Programme)	IIT,BOMBAY	Sep 11th 2014
38.	S Anil Kumar	Linux Test On Talk To A Teacher Prject At Iit Madras (Ict Programme)	IIT,BOMBAY	Sep 11th 2014
39.	S Amarnath Naidu	Linux Test On Talk To A Teacher Prject At Iit Madras (Ict Programme)	IIT,BOMBAY	Sep 11th 2014
40.	C. Harinatha Reddy	All India Section Congress, Gujarat	NIRMA UNIVERSITY, AHMEDABAD	6th -8th Oct 2014
41.	Dr. N.Ravi Sankar Reddy	All India Student Congress, Gujarat	NIRMA UNIVERSITY,AHMEDABAD	6th -8th Oct 2014
42.	Dr. T.Bramaha Nanda Reddy	Ieee Zonal Congress, Ananthapur	JNTU ANANTAPUR	18th Oct 2014
43.	G.Kishor	Ieee Zonal Congress, Ananthapur	JNTU ANANTAPUR	18th Oct 2014
44.	C. Harinatha Reddy	Ieee Zonal Congress, Ananthapur	JNTU ANANTAPUR	18th Oct 2014 Attended
45.	M.Harsha Vardhan Reddy	Ieee Zonal Congress, Ananthapur	JNTU ANANTAPUR	18th Oct 2014
46.	V.Anantha Lakshmi	Ieee- Wiessc, Hyderabad	VITS,HYDERABAD	18th -19th Oct 2014
47.	R Madhavi	National Conference On Current Trends In Computer Network…...	VIGNAN HILLS,NALGONDA	19th-20th Dec 2014
48.	Dr.Y.V.Siva Reddy	International Conference On Transformations In Engg. Education	BMSCE, BANGALORE	6th -8th Jan 2015
49.	C. Harinatha Reddy	National Conference On Circuits, Signals & Systems	MJCET, HYDERABAD	22nd -24th Jan2015
50.	A.Pradeep Kumar Yadav	Solar Photo Voltaic Based Power Generation Technology, Bvrit	NIESBUD, HYDERABAD	Jan 27th-2nd Feb 2015
51.	Dr.Y.V.Siva Reddy	Innovative & Futuristic Approaches In Science And Technology	NIT,BHOPAL	26th -28th Feb 2015
52.	A.Nayeemuddin	Hands On Experience On Lab View	NIS,BANGALORE	March 21st – 24th 2015

53.	M.Harsha Vardhan Reddy	Hands On Experience On Lab View	NIS,BANGALORE	March 21st – 24th 2015
54.	S Anil Kumar	International Conference On Advanced Electrical Systems And Applications	GPCET, Kurnool	25th Mar 2015
55.	G.Sreenivasa Reddy	National Program On Technology Enhanced Learning	GPREC, KURNOOL	19th Sep 2015
56.	Dr. T. Bramhananda Reddy	National Programme On Technology Enhanced Learning	GPREC, Kurnool	19th Sep 2015
57.	Dr. V. Anantha Lakshmi	National Programme On Technology Enhanced Learning	GPREC, Kurnool	19th Sep 2015
58.	Dr. M. Siva Sathya Narayana	National Workshop On 'Nba Accrediation'	MITS,MADANAPALLI	9th-10th Oct 2015
59.	M Nayeemuddin	Real Time And Fpga Training	NIS,BANGALORE	10th-16th Oct 2015
60.	V.Mahananda Reddy	Outcome Based Education	GPREC, Kurnool	10th Dec 2015
61.	B Amarnath Naidu	Ieee Workshop On Renewable Energy Smart Grid And Micro Grid	GPREC, Kurnool	11th Dec 2015
62.	T Devarajula Reddy	Ieee Workshop On Renewable Energy Smart Grid And Micro Grid	GPREC, Kurnool	11th Dec 2015
63.	V.Mahananda Reddy	Ieee Workshop On Renewable Energy Smart Grid And Micro Grid	GPREC, Kurnool	11th Dec 2015
64.	B Chalapathi	Ieee Workshop On Renewable Energy Smart Grid And Microgrid	GPREC, Kurnool	11th Dec 2015
65.	Etamarpuran Sreenadh	Ieee Workshop On Renewable Energy Smart Grid And Microgrid	GPREC, Kurnool	11th Dec 2015
66.	B. Amarnath Naidu	Workshop On Ti Msp430 And It's Applications	GPREC, Kurnool	28th 29th Jan 2016
67.	S. Anil Kumar	Workshop On Ti Msp430 And It's Applications	GPREC, Kurnool	28th 29th Jan 2016
68.	T. Devarajula Reddy	Workshop On Ti Msp430 And It's Applications	GPREC, Kurnool	28th 29th Jan 2016
69.	B. Amaranath Naidu	Hands On Training Programme On Ni Labview	GPREC, Kurnool	18th – 27th March 2016
70.	S. Anil Kumar	Hands On Training Programme On Ni Labview	GPREC, Kurnool	18th – 27th March 2016
71.	C. Harinatha Reddy	One Day Workshop On Wind Energy Conversion Systems	JNTU ANANTAPURAM	13th -April-2016

72.	C. Harinatha Reddy	One Day Workshop On Andhra Pradesh State Skill Development Corporation	BEGUM PET, HYDERABAD	18th -April-2016

18. Student projects

Academic year	Programme	Students who have done projects	
		Percentage of students who have done In-House projects including Inter-Departmental	Percentage of students doing projects in collaboration with Industries / Institutes
2015-16	UG	91.3%	8.7%
2014-15	UG	88.74%	11.26%
2013-14	UG	94.45%	5.55%
2012-13	UG	68.30%	31.70%
2011-12	UG	82.85%	17.15%
2015-16	PG	100%	-
2014-15	PG	100%	-
2013-14	PG	100%	-
2012-13	PG	100%	-
2011-12	PG	100%	-

19. Awards / recognitions received at the national and international level by
   o Faculty   NIL
   o Doctoral / post doctoral fellows   NIL
   o Students

	Awards / recognitions received at the	
Academic year	National level	International level
2015-16	06	NIL
2014-15	10	NIL
2013-14	05	NIL
2012-13	06	NIL
2011-12	06	NIL

20. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any.

Sl.No	Name of workshop/FDP	Organized by and sponsored by	Date(s) of Event(s)	No.of Participants
1	IEEE WIE Zonal Student Congress'16	IEEE Student Branch, GPREC	11th -12th March 2016	346
	Mrs Sai Tadepalli from Microsoft, Mrs Akhila from Deloitte, Mrs Nikhila Naik from Couth Infotech, Dr Amith Kumar from Bio-Axis DNA Research Centre Pvt Ltd.			

	Renewable Energy and Smart Grids	EEE Dept, GPREC	21st -22nd March 2016	200
2	Dr.P.Sreedhar, IFS Executive Director, and Dr. Shobha Ananda Reddy, Deputy Director, from MGIRED, Bengaluru, Dr Y.Pradeep, and Dr. K.Siva Kumar Assistant Professors, from IIT Hyderabad, Dr.A.Venkata Naidu, Senior Manager (O&M), Gamesa Renewable Pvt. Ltd. and A.Krishna, MD, Rapid Technologies Ltd. Hyderabad, Sri. P Vivek Subramanian, Executive Director, Fourth Partner Energy Ltd. Hyd and Sri. M. Kodandarama Murthy, District Manager, NEDCAP, Ananthapuramu were invited.			
3	Workshop on "Ti Msp430 & its applications"	IEEE Student Branch, GPREC	28-29 January 2016	30
	IEEE conference on PCCCTSG-2015	GPREC	11th – 12th Dec 2015	234
4	Prof M.H Rashid, Professor of University of West Florida, USA, Dr Bimal K Bose, IEEE Life Fellow, Emeritus Professor University of Tennessee, Knoxville, USA, attended the conference. Also Prof R. Balasubramanian, GNITS Hyderabad, Prof V Shankar, JNTUA,Ananthapuramu and Dr Jayabharath Reddy, NIT Trichi, Dr J Kishore, Prof O B Ramanaiah, Prof M Vijay Kumar, JNTUA, Ananthapuramu, Prof M Suryakalavathi, JNTUH, Hyderabad and Dr K Siva Kumar,IIT Hyderabad were invited.			
	Workshop on "Renewable Energy Smart and Microgrid"	IEEE Student Branch, GPREC	11th December 2015	111
5	Dr. Bose held the Condra Chair of Excellence (Endowed Chair Professor) in Power Electronics at the University of Tennessee, Knoxville and Dr. Siva Kumar K Assistant Professor,Department of Electrical Engineering, IIT Hyderabad were invited as resource persons.			
	Workshop on "Outcome Based Education"	IEEE Student Branch,GPREC	10th December 2015	124
6	Prof M.H Rashid, Professor of University of West Florida, USA was invited as Resource Person. Principals, Professors, and senior members of various Engineering Colleges were present during this workshop.			
	Workshop on "Young Women Engineer as Nation Builder"	IEEE Student Branch, GPREC	3rd - 4th, January15	362
7	Dr. N.V. Rao, Ex-chair of IEEE Hyd section, Dr. Dakshina Murthy, President, International School of Engineering, Ms. Sujatha Dedi, Full Time Worker, Vivekananda Kendra, Kanyakumari, Sri. L. Adhitya, Enterprenuer, Conduira Education and Training Services Pvt. Ltd, Sri. Madhav Negi, Associate Director, Computer Science Corporation and Sri Sudharshan Chakrapani, Vice President, Head of the Brand and Customer Experience management, Tech Mahindra and Sri. Raju Madhavan, Softskills facilitator, specializing in Experiential Learning & Psychometric tools wre invited for this workshop.			

8	Real Time Implementation Of Power Electronic Converters & Drives	EEE Dept, GPREC	1st -3rd May 2014	57
	Dr. Siva Kumar K Assistant Professor, Department of Electrical Engineering, IIT Hyderabad, Dr T. Brahmananda Reddy, Prof & Head, EEE Department, GPREC were invited as resource persons.			
9	Workshop on MATLAB	EEE Dept, GPREC	16th -17th Nov 2013	122
10	Workshop on Solar System	EEE Dept, GPREC	16th -17th Nov 2013	158
	Sri Vineet Kumar Goyal garu, Director Steinbeis India, Dr S.C Bhargava(Consultant and Chartered Electrical Engineer) and the Sri Prabhu Das from Steinbeis company were invited for this workshop.			
11	Simulation of Power Electronics & Drives	EEE Dept, GPREC	29th Nov- 1st Dec 2012	54
	Dr. Siva Kumar K Assistant Professor, Department of Electrical Engineering, IIT Hyderabad, Dr T. Brahmananda Reddy, Prof & Head, EEE Department, GPREC were invited as resource persons.			
12	Workshop on - Simulation of Power Electronics & Drives	EEE Dept, GPREC	20th -25th June 2011	52
	Dr. Siva Kumar K Assistant Professor, Department of Electrical Engineering, IIT Hyderabad, Dr T. Brahmananda Reddy, Prof & Head, EEE Department, GPREC were invited as resource persons.			

21. Student profile course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG -EEE	Admissions are made by APSCHE				
2012-16		77	43	95.5	96.0
2011-15		78	42	93.4	97.9
2010-14		73	47	97.7	90.7
2009-13		76	44	90.1	97.8

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
PG –Power Electronics	Admissions are made by APSCHE				
2014-16		12	6	-	-
2013-15		9	9	100	100
2012-14		9	8	100	100
2011-13		11	7	100	100
2010-12		14	4	100	100

22. Diversity of Students

Name of the Course (refer question no. 2)	% of students from the college	% of students from the state	% of students from other states	% of students from other countries
UG				
2015-16	NIL	100%	NIL	NIL
2014-15	NIL	100%	NIL	NIL
2013-14	NIL	100%	NIL	NIL
2012-13	NIL	100%	NIL	NIL
2011-12	NIL	100%	NIL	NIL
PG				
2015-16	6%	94%	NIL	NIL
2014-15	17%	83%	NIL	NIL
2013-14	22%	78%	NIL	NIL
2012-13	11%	89%	NIL	NIL
2011-12	6%	94%	NIL	NIL

23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Academic Year	2015-16	2014-15	2013-14	2012-13	2011-12
GATE	8	14	23	31	10
CAT	-	02	0	02	-

24. Student progression

Student progression	Percentage against enrolled				
	2015-16	2014-15	2013-14	2012-13	2011-12
UG to PG	1.41	4.96	20.13	14.06	10
Employed Campus selection	36.87	31.20	20.13	25.78	40.13
Other than campus recruitment	2.14	6.38	22.22	35.15	12.40
Entrepreneurs	-	-	0.71	-	-

25. Diversity of Faculty

Percentage of faculty who are graduates	
of the same parent university	37.03%
from other universities within the State	55.57%
from other universities from other States	7.40%

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. 04
    1. Dr.M.Siva sathyanarayana
    2. Dr.V.Ananthalakshmi
    3. Dr. G.Satheesh
    4. Dr.G.Kishor

27. Present details about infrastructural facilities
    a. Library
       Separate department library is available for the benefit of students and faculty.
       The details are given below:
       Area in Sq. m : 25 sq.m

No. of Books : 787
No. of Journals : 436 (National: 16, International:420)
No. of Floppies: 11
No. of CD ROMs : 36
Other Facilities : Data-share
Through Data- share and intranet, the facilities available in the main library can be also accessed directly through individual systems.
Digital Library
Digital library contents are available. Relevant materials in video format (NPTEL) are made available to the students and staff for reference. An exclusive server is available for digital library. All the contents are made available through intranet.

b. Internet facility for staff and students

More than 1200 Computer systems spread across the entire campus are networked through Net Cables. The department is having more than 124 computers linked to internet. The details are given below:

Name of the Internet provider:
The entire campus is connected to the internet through two gateways i.e., one via Tata leased line and the other via BSNL, Kurnool.

Available bandwidth:
40 Mbps upstream and downstream uncompressed bandwidth from Tata leased line, 40 Mbps upstream and downstream uncompressed bandwidth from BSNL and 13 broadband NME connections provided by BSNL are available.

Access speed: 100Mbps.
Availability in all labs: Internet is made available to all the systems in the laboratories

Availability in departments and other units:
Dedicated IBM servers serve the purpose of the WEB, mail and Intranet servers of the college. Internet is made available to all the systems in the computing labs, departmental labs, HOD, staff rooms and to two hostels through Wi-Fi Access Points.
Availability in faculty rooms:
Internet is made available to all the systems in the HOD's room and staff rooms.

Institute's own e-mail facility to faculty:
Our College has an individual domain "gprec.ac.in". The E-mail service is hosted by Microsoft Outlook. All the Heads of the Departments and In-charges of various forums have been provided with separate E-mail ID's. Administration tools are provided by Microsoft for the better management of the College mail ID. Strong Encryption and Authentication mechanisms are provided in Microsoft servers for information security.

Security/privacy to e-mail/Internet users:
Quick Heal (enhanced) security has been installed for secured browsing in the entire campus on Wi-Fi.

c. Total number of class rooms: 08 class rooms
- Separate class rooms are available for each year of students.
- Separate rooms are provided for Core and Elective subjects for each semester
- The tutorials for each subject will be conducted /discussed by the faculty in the class rooms.
- All class rooms and seminar room have glass boards with a seating capacity of 75.

d. Class room with ICT facility: 04 class rooms

e. Student laboratories

The details about the laboratories are given below:

S.No	Lab Description	Exclusive/Shared	Area in Sq. mts
1	Electrical Measurements Lab	Exclusive	156
2	Electrical Machines-I Lab.	Exclusive	102
3	Electrical Circuits Lab	Exclusive	156
4	Electrical Machines -II Lab	Exclusive	102
5	Power electronics Lab	Exclusive	100
6	Power systems Lab	Exclusive	102
7	Drives and Static control systems Lab	Exclusive	100
8	Control and Automation Systems Lab	Exclusive	156
9	Lab-View Lab	Exclusive	100
10	Micro-Controllers Lab	Exclusive	100

f. Research laboratories

The details about the laboratories which are utilized for research purpose both by the students and faculty are given below:

S.No	Lab Description	Exclusive/Shared	Area in Sq. mts
1	Lab-View Lab	Exclusive	100
2	Micro-Controllers Lab	Exclusive	100

28. Number of students of the department getting financial assistance from College.

Academic Year	Roll No.	No. of Students	Student Name
2015-2016	159X5A02C3		B.Akhil Kumar
	159X1A0236	02	K.Srilakshmi
2013-2014	139X1A02B6		M.Chaitanya Kumar Reddy
	139X1A02B0		Y.Manoj Kumar Reddy
	139X1A02C0		B.Haritha
	139X1A0299	04	T.Vishnu Kumar Naidu
2014-2015	149X1A02A6		S.Geethika
	149X1A02B0		T.Manoj Kumar
	149X1A02B9		Y.Paramesh
	149X5A02E2	04	T.Bharathi
2012-2013	129X1A0243	01	K.Nagaraju

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Masters program in Power Electronics was started in the year 2004 with an intake of 18.The need for the people specialized in the emerging area of Power Electronics lead to the starting of the program. The curriculum & syllabus was developed based on the feedback from all stakeholders like industry experts, parents, alumni students and faculty. Also, availability of job opportunities in industry, research and academia was considered.

30. Does the department obtain feedback from
   a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
   Yes. Being an Autonomous College, revision of courses is a regular activity and consent from the Board of Studies consisting of industry experts, faculty from reputed institutes like IITs, NITs, Internal senior faculty and distinguished alumni is taken periodically to suit the program to latest trends
   b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
   Yes, feedback from students on class room teaching is considered and necessary suggestions for improvement in teaching are incorporated wherever necessary. Also, feedback from final year students will be reviewed to evaluate the teaching- learning mechanism, and the impressions are given due weightage while revising the curriculum.
   c. Alumni and employers on the programmes and what is the response of the department to the same?
   Alumni meetings are conducted periodically and the feedback taken during interaction with them is considered during syllabus updation. Employer feedback is obtained at regular intervals and implemented

31. List the distinguished alumni of the department (maximum 10)

S.No	Roll no.of student	Name of student	Present status
1	95748	Hari Krishna Reddy Donapati	Project Manager,IBM, Bangalore
2	95725	Chandranna.B.T	Project Manager,HP, Bangalore
3	97730	Madan Gopal. R	Sr. Design Engineer, NSC, Texas, USA
4	97721	E. Dhanunajay Ram	Project manager, Infosys, Bangalore
5	97719	Dr. T Bramhananda Reddy	Professor & Head, EEE Dept, GPREC
6	97740	N.Santosh Datta	RBEI/EBB, Robert Bosch
7	97727	J.Upendar	Assistant Professor, Osmania University, Hyderabad
8	97755	G. Siva Kumar	Assistant Professor, NIT Warangal
9	20017061L	Dhasaratha Rami Reddy	IES, Member Secretary, RRB
10	20027032	B Kalyan Reddy	Sr Engineer, Alstom, Bangalore

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

Academic year	Topic	Name of Resource Person	Affiliation	Duration
2015-16	Grid maintenance	Sri. S.Rama Krishna Raju	PGCIL	3hrs
	Career Advancements	Ms.Sindoora Mokshagundam	TCS	2hrs
	Engineering-nitty gritty	Sri.N. Santhosh data	Robert Bosch-Bangalore	2hrs
	Electronics in India	Sri. N.Venkatesh	Red Pine Signals	2hrs
	Empowerment of Women" -	Ms. Vijaya Bharathi	Head of NIRD Orvakal	2hrs
	Distributed Energy Resources	Sri. M.Kodanda Rama Murthy	NREDCAP	3hrs
2014-15	Servo Stabilizers	Sri.Pavan Kumar	Servo Systems	2hr
	Missile Guidance	Sri.D.srinivasulu Reddy	DLRL	1hr
	IEEE membership & benefits	Dr.Y.Vijayalatha	GRIET-IEEE SAC Chair-Hyd-Sec	2hrs
	Higher education at USA	Dr. Hari kalva	Tenesse University-USA	2hrs
	Job opportunities in government sector	Sri. Dasaratha rami reddy	RRB -Hyd	2hrs
	Power system operation	Prof.R.Balasubramnian	GNITS	2hrs
	Research avenues for women engineers	Dr.Swarna bai	DRDO - Hyd	2hrs
	Transmission lines	Sri. G.Sreeram Kumar	APTRANSCO	2hr
	Life history and inventions of Michael Faraday	Dr.Y.V.Siva Reddy	GPREC	1hr
2013-14	Series Compensation of Transmission line and protective scheme	B.P.Singh	BHEL	3hrs

	Operation and Maintenance in Electrical distribution system	Sri. G.Sreeram Kumar	APTRANSCO	1hr
2012-13	Advancements in Switch gear and protection	Er.N. Ramu	APSPDCL	1hr
	Grid connected systems	Sri T. Rama Chandra Murthy	APSPDCL	1hr
2011-12	Power system operation and control	Sri.G.Suresh	APSPDCL	1hr
	HVDC Transmission System	Sri. C. Balaji	PGCIL	1hr

33. List the teaching methods adopted by the faculty for different programmes.
   1. Teachers will take the models of the Electrical generators and motors, transformers, insulators cables etc for better understanding of the subjects.
   2. The class rooms are provided with LCD projectors, the teachers use LCD projectors to convey the concepts of regular courses and topics beyond the syllabus.

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

   The Program Objectives (POs) are aligned with the vision & mission statements of the department.
   1. The teacher of the course prepares the lesson plan well in advance and aligns this to meet the Course Outcomes (COs). The lesson plan is circulated to all the students concerned.
   2. Learning objectives for a course are specified in the handout (Lesson Plan) and the faculty member teaching a particular course clearly specifies the topics to be covered in order to achieve these learning objectives.
   3. The Head of the Department goes through handouts (Lesson Plans) of all courses to ensure that the course coverage is matching with the learning objectives for the course as well as the programme.
   4. The department also collects feedback from students during the class committee meetings about any shortfall in the learning outcomes for a particular course.
   5. Department ensures the learning outcome and program objectives through the continuous assessment component, mid semester and comprehensive examinations. Continuous assessment is an important and integral part of the course, where students will be evaluated throughout the semester by conducting quiz, tutorials, assignments, etc.
   6. The learning outcomes are assessed based on student performance in the internal assessment and University examinations. Periodic assessments are also carried out in the form of tutorials, viva-voce and structured seminars.
   7. The External Examiners, who conduct the practical examinations, also monitor students' performance and practical skills.
   8. We regularly review the learning outcome and conduct remedial classes for slow learners for better results.

9. Intra departmental meetings are held periodically. Responsibilities are assigned. Feedback is taken from faculty, UG and PG students of the department.

10. The Academic Monitoring Committee (AMC) consisting of all class teachers, counselors along with student representatives reviews the academic activities of the class every fortnight. Based on the inputs from the AMC meetings, the course coverage and performance of students in all courses is reviewed and required suggestions are given to the concerned to orient them to the requirements of course outcomes.

11. The BoS also gets the inputs on COs and POs from AMC on various courses in the semester. It reviews this feedback and suggests for changes in the syllabus/ scheme of the course to reach the expected outcomes and to fulfill the industry needs.

12. Field visits, internships, industrial interface have been introduced wherever required to provide the competencies demanded in the competitive employment market.

13. Encouraging the students to participate in the national level competitive examinations and taking up remedial measures to enhance the student's skills and knowledge.

35. Highlight the participation of students and faculty in extension activities,

The slots are provided in the time table as per the curriculum and the regular extension activities are organized in yoga ,NSS and cultural events. The Blood donation camps are organized for people in the nearby villages. The faculty and students will participate under the banner of Vivekananda study circle.

36. Give details of "beyond syllabus scholarly activities" of the department.

1. Our department students are exposed to various current industry applications in power electronics, drives and instrumentation. The students are given training in D-Space and LabVIEW by industry experts.

2. The faculty introduces value addition contents for the corresponding theory and lab courses.

3. The monitoring committee under the chairmanship of HoD monitors and reviews the value addition activities.

3. The students periodically participate and present technical papers, attend academic seminars, Workshops and poster presentations organized by other Universities as well as colleges. The research scholars participate in national & international conferences and present their research work and hence interact with fellow researchers from other leading institutions.

4. A few technical papers of our students are accepted in the international conferences.

5. Students participated in essay writing, elocution competitions and won prizes.

6. Students are exposed to different awareness programmes on environment, social issues, rallies on AIDS, Voter's day, National Science Day.

7. Invited talks by eminent scientists and academicians are also arranged under the IEI &IEE students' chapters on topics of current research interest. Faculty members of the department also give talks at regular intervals to introduce the students to advanced topics.

9. Research Scholars of the department give weekly research seminars.

10. Organizing industrial visits and tours to expose to the industry practices.

37. State whether the programme/department is accredited by/graded by other agencies. Give details.

   1. The college has been given **A** – grade by the AP State Council For Higher Education, Andhra Pradesh.
   2. The college has been accredited by NAAC with A grade.
   3. The dept is accredited by NBA of AICTE .

38. Detail any five strengths, weaknesses, opportunities and challenges (SWOC) of the dept.

   Strengths
   - Well experienced faculties with diverse specializations
   - Excellent faculty retention ratio and staff student ratio
   - Recognized research centre by JNTUA.
   - Well equipped and stocked laboratories
   - Among the faculty, 8 are PhD degree holders and 10 are having more than 10 years of teaching experience

   Weaknesses
   - Inadequate industry interaction
   - Soft skills capabilities of the students
   - Poor patent filing
   - Number of students qualifying in TOEFL, GRE, GATE and CIVIL SERVICES is limited
   - Number of students going for research oriented higher studies needs to be improved

   Opportunities
   - Syllabus and curriculum design possible to improve industry ready aspect of students
   - Possibility to increase number of placements
   - Improvement in research by faculty due to sustained support by college authorities
   - Possibilities for getting more R&D projects due to constant encouragement
   - Career guidance improvement for students due to various in-house drives

   Challenges
   - Developing soft skills among students
   - Making the students to be aware of the day- to- day technical advancements happening in the world
   - Inducing the students to take up more competitive exams through rigorous preparation
   - Sharpening the entrepreneurship skills and other talents for better transformation of career and prospects of students

39. Future Plans of the Department

The possible future plans have been listed below:

- Steps will be taken to obtain more funded projects
- Effective strategies will be devised to increase placement opportunities still further
- To impart entrepreneurship skills among the students
- To improve industry institute interaction so that students can be made industry ready
- Support will be provided for filing more patents
- Faculty will be provided still further inducement for publishing their research in refereed impact factor journals
- Motivation of all (students, faculty members) towards utilization of management funds towards research projects which can provide job orders

E.6 Evaluative Report of the Basic Sciences Department

1. Name of the Department & its year of establishment :
   Basic Sciences
   Year of Establishment- 1985
2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) :
   Not Applicable.
3. Interdisciplinary courses and departments involved:
   Supportive Department
4. Annual/ semester/choice based credit system:
   Semester – Credit Based Grading System.
5. Participation of the department in the courses offered by other departments:

S.No.	Name of the course	Name of the Department(s)
UG		
1.	Professional Communication and English	All Engineering Departments
2.	Engineering Mathematics - I	All Engineering Departments
3.	Engineering Mathematics – II	All Engineering Departments
4.	Applied Physics	All Engineering Departments
5.	Engineering Chemistry	All Engineering Departments
6.	Environmental Science	All Engineering Departments
7	Professional Ethics and Human Values	All Engineering Departments
8.	Phonetics and Communication Skills Lab Practicals	All Engineering Departments
9.	Engineering Chemistry Practicals	All Engineering Departments
10.	Applied Physics Practicals	All Engineering Departments
11.	Numerical Methods and Complex Variables	ME
12.	Complex Variables and Special Functions	ECE and EEE
13	Business English and Technical Writing	All Engineering Departments
14	Managerial Economics and Financial Accounting	CSE and ECE
15	Managerial Economics and Principles of Accountancy	CE and EEE
PG		
1	Advance Engineering Mathematics	CE
2	Probability and Mathematical Analysis	ME
3	Computational Methods	ME

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)

	Sanctioned	**Filled**
Professors	1	1
Associate Professors	8	8
Asst. Professors	18	18

7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.K..Madhava Reddy	Ph.D.	Professor of ME & H.O.D. of B.S.	Machine Design	22	Nil
2	Dr. S.S.Rama Rao	PhD	Professor of English	English Literature	31	Nil
3	Dr. M.Ravi Kumar	PhD	Associate Professor	Mathematics	31	Nil
4	Dr. T.Ramachar	PhD	Associate Professor	Analytical Chemistry	31	Nil
5	Dr. N.V.S. Gupta	PhD	Associate Professor	Physics	31	Nil
6	Dr. Y.Rajasekhara Goud	PhD	Associate Professor	Mathematics	25	1
7	Dr. Y.Ramesh Babu	PhD	Associate Professor	Physics	23	Nil
8	Dr. K.Subhashini	PhD	Associate Professor	Mathematics	24	Nil
9	Dr. B.Vijaya Bhaskara Reddy	PhD	Associate Professor	Forest Products	30	Nil
10	Dr. K.Mallikarjunudu	PhD	Sr. Asst. Professor	Mathematics	19	Nil
11	Ms. Nasreen Noor	M.A	Asst. Professor	American Literature	20	Nil
12	Dr.K.Aparna	PhD	Asst. Professor	Marketing	8	Nil
13	Dr. M.Siva Sankar Reddy	PhD	Asst. Professor	Mathematics	13	Nil

14	Dr. V.Raghavendra Prasad	PhD	Asst. Professor	Mathematics	8	Nil
15	Ms. B.Munilakshmi	M.A	Asst. Professor	English Literature	13	Nil
16	Sri G.Venkata Rami Reddy	M.Sc	Asst. Professor	Applied Mathematics	10	Nil
17	Sri.A.Ganesh	M. Sc	Asst. Professor	Analytical Chemistry	7	Nil
18	Sri.K.Suresh	M. Sc	Asst. Professor	Electronics	19	Nil
19	Sri.Y.V.Siva Kumar	M.A	Asst. Professor	English literature	3	Nil
20	Smt.P.Haripriya	M.A	Asst. Professor	English	4	Nil
21	Dr.V.Rangaveni	Ph.D	Asst. Professor	Mathematics	15	Nil
22	Dr.S.Sailaja	Ph.D	Asst. Professor	Electronics	3	Nil
23	Smt.E.Nirmala	M.Sc	Asst. Professor	Electronics	8	Nil
24	Smt.G.Ujwala	M.Sc	Asst. Professor	Chemistry of Natural Products	3	Nil
25	Smt.P.Sai Priya	M.Sc	Asst. Professor	Organic Chemistry	0	Nil
26	G.Raghuram	M.C.A	Associate Professor	MCA	18	Nil
27	Dr.A. Vijaya Kumar	Ph.D.	Physical Director	Brisk Walking	22	Nil
28	Smt.K.Sukanya	B.P.Ed. & M.B.A.	Physical Director	Physical Education	1	Nil

8. Percentage of classes taken by temporary faculty – programme-wise information
NIL
9. Programme-wise Student Teacher Ratio:
Not Applicable

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Technicians	2	2
Computer Operator	1	1
Assistants	1	1

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

<center>NIL</center>

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received

<center>NIL</center>

13. Research facility / centre with

   o   state recognition   : NIL

   o   national recognition   : NIL

   o   international recognition : NIL

14. Publications:

   *   number of papers published in peer reviewed journals (national / international)

Sl No	No. of papers published in International Journals	No. of papers published in National Journals	No. of papers published in International Conference	No. of papers published in National Conference	Year
1	16	-	-	2	2015-16
2	10	-	-	5	2014-15
3	12	-	-	8	2013-14
4	15	-	-	1	2012-13

   *   Monographs : NIL
   *   Chapter(s) in Books : NIL
   *   Editing Books : NIL
   *   Books with ISBN numbers with details of publishers : NIL
   *   number listed in International Database (For *e.g*. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
   *   Citation Index – range / average : NIL
   *   SNIP : NIL
   *   SJR : NIL
   *   Impact factor – range / average : NIL
   *   h-index : NIL

15. Details of patents and income generated   NIL
16. Areas of consultancy and income generated   NIL
17. Faculty recharging strategies

The faculty members of the department regularly attend various programmes to enhance
their knowledge and teaching skills. Following are the prominent recharging strategies
employed by the department:

1) Faculty Development Programme
2) International/National Workshops
3) International/National Conferences/Seminars
4) Guest Lectures
5) Interaction with experts from other institution

18. Student projects: Not Applicable
19. Awards / recognitions received at the national and international level by
  o Faculty   : NIL
  o Doctoral / post doctoral fellows : NIL
  o Students   : NIL
20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.

S.No.	Name of the Program	Source of Program	Program Dates	National / International
1	Capacity Building For Women Managers in Higher Education	UGC	$21^{st} – 25^{th}$ Sep , 2012	National

21. Student profile course-wise: **Not Applicable**
22. Diversity of Students :   **Not Applicable**
23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?
            Not Applicable
24. Student progression: **Not Applicable**
25. Diversity of staff

Percentage of faculty who are graduates	
graduates of the same parent university	-
from other universities within the State	100 %
from other universities from other States	-

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.

Year	**Number of Faculty awarded Ph.D**
2015-16	1
2014-15	3
2013-14	0
2012-13	2

27. Present details about infrastructural facilities
  a. Library   : Not Applicable
  b. Internet facilities for staff and students : Available

    c. Total number of class rooms   : 13
    d. Class rooms with ICT facility   : 4
    e. Students' laboratories   :
- Computer Programming Lab
- Communication Skills Lab
- Phonetics Lab
- Physics Lab
- Chemistry Lab

    f. Research laboratories   : NIL

28. Number of students of the department getting financial assistance from College.

Not Applicable

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Not Applicable

30. Does the department obtain feedback from
    a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

    Yes, senior faculty members participated in curriculum development. Feedback on teaching-learning process is discussed in departmental meetings and then suitable remedial actions are taken.
    b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

    Yes, online Student feedback on Faculty is obtained at the end of each semester in each subject. It is analyzed and communicated to faculty for improvement in teaching and learning process.
    c. Alumni and employers on the programmes and what is the response of the department to the same?

Not Applicable

31. List the distinguished alumni of the department (maximum 10)

Not Applicable

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.

- A Five day orientation programme is conducted for the I.B.Tech students at the beginning of the academic year as part of the enrichment programme with external experts.
- A Three day training programme is conducted on "English Language Skills and Career Planning"
- Training and Placement Cell organizes the Personality Development Programmes and a two day training programme on English Language Skills and Career Planning to I B.Tech students with external experts.

33. List the teaching methods adopted by the faculty for different programmes.

Faculty members adopt various teaching methods to cater to the needs of the entire spectrum of students in a particular class. The following are the frequently used teaching methods by the faculty:
- Classroom teaching using Chalk-Board and LCD projectors
- Working model/ experimental set up

- Seminars
- Activity based teaching methods in language classes

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

    Class Committee (consisting of faculty and students) meetings are conducted regularly to monitor the learning outcomes.

35. Highlight the participation of students and faculty in extension activities.

    ➢ The faculty and students visit rural schools and train the students on the usage of open source software through Spoken Tutorial Project, IIT Bombay and also teach academic concepts using Information and Communication Technology. This is done by the students who are registered under Extension Activities and it is also included in the curriculum as part of Extra Academic Activities.

    ➢ The Institution has arranged Technical Exhibition **VIGNANAMELA** as part of College Day, Pearl Jubilee Celebrations on 18, 19 and 20th February 2015. This exhibition was made open to all the college students and general public of the Kurnool city.

36. Give details of "beyond syllabus scholarly activities" of the department.
    - Guest Lectures
    - Personality Development Programme

37. State whether the programme/ department is accredited/ graded by other agencies. Give details.
    Not Applicable

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department

    Strengths:
    1. Committed and experienced faculty with 15 Doctorates.
    2. Well equipped and spacious laboratories.
    3. Good number of publications.
    4. Active participation of faculty in FDPs, workshops and conferences.
    5. Basic Sciences department supports all the departments of engineering.

    Weaknesses:
    1. Insufficient publications in journals with SJR Impact Factor
    2. Department has to get research centre from the University

    Opportunities:
    1. Good academic environment.
    2. Effective organizational structure.
    3. Research prospects
    4. Scope for carrying out inter-disciplinary research work.

    Challenges:
    1. Heterogeneous group of students
    2. Students from regional medium.

39. Future plans of the department.
    - To make all the class rooms in the department as e-class rooms.
    - To increase the number of research publications in referred journals and projects.
    - To apply and get research projects from various agencies.
    - To organize Workshops and Conferences.

F. POST ACCREDITATION INITIATIVES

The college was accredited with 'B' grade by NAAC in the year 2005, for the first time. In the year 2011, the college was accredited with 'A' grade for the second cycle. This was made possible largely due to the suggestions and recommendations of the first NAAC peer team, which were incorporated and implemented as part of the policies adopted by the college.

The following points highlight the initiatives undertaken by the college, after the second cycle of accreditation.

1. **Human resource development of faculty and staff:**

   ➢ The college encouraged its faculty to obtain Ph.D. degrees and provided them with incentives for the same. The number of Ph.D.s in the college had gone up from 26 in 2011 to 50 in 2016.
   ➢ The college has deputed many faculty members to attend Faculty Development Programmes.
   ➢ In each academic year the college has sponsored one Technical Seminar / Symposium in every Department.
   ➢ The college has encouraged the faculty members to seriously get involved in Research activities and facilitated the faculty to submit Research proposals to the various funding agencies like AICTE, UGC etc. In the last four years the college was sanctioned projects worth of Rs. 99.12 Lakhs.
   ➢ The college has made a provision for offering financial incentives to the faculty who present their research papers at International, National, State and Regional level seminars, and get them published in academic books and Journals.
   ➢ Pay scales as recommended by the Sixth Pay Commission, were duly implemented for all the regular faculty of the college.
   ➢ The College has introduced some incentives like partial reimbursement of health insurance premium for its employees.

2. **Getting the college recognized by JNTUA as Research Center:**
   ➢ The college was recognized by JNTUA, Anantapuramu the affiliating University as a Research Center in all the five departments, namely CSE, CE, ECE, ME and EEE.
   ➢ All 24 Professors of the college satisfying the AICTE norms regarding qualifications are recognized as Research Supervisors by the University.
   ➢ The University selects candidates for the Ph.D programme on merit basis and allots them to the Professors of the College, who have been recognized as Research Supervisors.
   ➢ The college management is magnanimous enough to pay the stipend to all the candidates admitted in to the Ph.D programmes of the college.

3. **Measures taken to enhance the employability of the students:**
   ➢ Intensive training programme is arranged by the T&P cell, for the students of pre final and final years.
   ➢ The students training programme focuses on communication skills and also the overall personality development.
   ➢ Mock interviews are conducted every year, to give the students a feel of the real interviews.

- Placements improved considerably due to the above measures and about 70% of the eligible students got placement.

4. **Introduction of MOOCS, Global Electives and Inter-Disciplinary Electives and Extra Academic Activities:**
   - College has introduced MOOCs (Massive Open Online Courses), Global Electives and Interdisciplinary Electives, in the curriculum since the year 2013(Scheme-2013).
   - A student is permitted to enroll for MOOCs in the following Mandatory Learning Courses
     - Environmental Studies
     - Professional Ethics and Human Values
     - Quantitative Aptitude
     - Business English and Technical Writing
     - Soft Skills.
   - Apart from enrolling for the above Mandatory Learning Courses, a student is permitted to register for MOOCs in any one of the following Global Electives
     - Introduction to Psychology
     - Research Methodology
     - Entrepreneurship Development
     - Intellectual Property Right and Patent Filing
     - Constitution of India
     - Ethical Hacking
     - Information Security and Cyber Laws
     - Foreign Languages.
   - A student is permitted to enroll for any one of the following Inter-Disciplinary Electives
     - Optimization Techniques
     - Remote Sensing and GIS
     - New and Renewable Energy Systems
     - Artificial Intelligence and Expert Systems
     - Nanotechnology
     - Introduction to Information Systems
     - Mechatronics
     - Control and Automation
     - Web Development Programming
     - Environmental and Water Resources Engineering.
   - College has made Extra Academic Activities like NSS, Sports and Games, Yoga and Literary and Cultural activities mandatory.

5. **Constitution of Statutory Bodies**
   - All statutory bodies of the college are constituted as per the UGC norms and guidelines for Autonomous Colleges.
   - Persons of eminence in respective fields were nominated to the various statutory bodies like Governing Council, Academic Council and BoS.

6. **Starting of Certification Courses:**
   The College offers Certification Training Programmes in
   - IBM CE programs like "Essentials of Big Data using Hadoop and IBM Infosphere Biginsights" and "Cloud Computing".
   - CCNA in association with CISCO as the college is a recognized as CISCO Network Academy

> LabVIEW Core I & II (CLAD Certificate Course) in association with National Instruments.

7. Skill Development Training Institute:
> College is working in association with the Andhra Pradesh State Skill Development Corporation (APSSDC). Recently, Government of Andhra Pradesh, has started Skill Development Programmes in Engineering Colleges in the state in conjunction with a leading industrial concern, by name Siemens Ltd.
> The institution is one of the few Engineering Colleges selected as a Skill Development Training Institute.
> The logistics are being worked out and the actual training may start in our college in January 2017.

8. Library resources:
> The Central Library has been expanded in terms of resources and infrastructure.
> The library has subscribed to DELNET & INFLIBNET, which enable participation in resource sharing.
> The College endeavors to enhance the quality of higher education, by providing free online courseware through NPTEL.
> Separate "Electronics Resources Wing" to access various National and International Journals & e- Journals like IEEE, ASME, ASCE, Elsevier etc. is established.
> Library is provided with Wi-Fi and Internet with a speed of 10Mbps, both for faculty and students.
> Providing access to e-resources such as journals of IEEE, ASCE, ASME and ScienceDirect (Engineering) and installation of Information and Communication Technology are the initiatives undertaken to upgrade the library.

9. Use of IT and Communication Technology services in the administration:
> The College, with adequate technical and human resources, is capable of developing software independently. The developed software is being used, for all computer input-output and data related works, admission process of students and examination works.
> The use of Information Technology and Communication Technology services is as follows:
  - Installation of Computers and Accessories in all the Departments including Library and Administrative Offices, Examination Cell and Accounts Section
  - Internet connectivity to all the above computers.

10. Examinations Cell:
> Grading System is being implemented in the evaluation and assessment of students.
> Pass Criteria for each course has been modified, in which a student should obtain 35% marks in the end examination and 40% in the end and sessional examinations put together. This would ensure that the students do not neglect the continuous assessment.
> To improve the standards, CGPA of 7.5, 6.5 and 5.5 is set as benchmark for award of divisions viz., Distinction, First Class and Second Class.
> Online registration of the candidates for end examinations
> Online publication of results and also SMS facility
> Complete automation of examination processes.

11. Games and Sports

The college management believes that Physical fitness is as much important as the Intellectual fitness. Infact a sound body is also invariably mentally fit.

- ➢ The college has provided excellent infrastructure for Games and Sports. It promotes not only the academic excellence but also extracurricular activities that help in the holistic development of the students.
- ➢ An Indoor Stadium, to accommodate four Shuttle badminton courts or one basket ball court with wooden flooring is added to the Sports infrastructure and can be utilized by both students and faculty.
- ➢ Well equipped separate Multi Station Gymnasia separately for boys and girls is provided to enable the students to have workouts for physical fitness.
- ➢ A separate hall named as "Ping Pong hub" has been created to accommodate four Table Tennis courts.

12. Infrastructure development and expansion:

The management of the institution has given approval for the construction of an auditorium with modern facilities and a seating capacity of 1500. Required funds have been allocated in the College budget for the year 2016-17. The auditorium is expected to be ready for use by August 2017.

13. Orientation Programme:

The College has made it a policy to receive the freshers i.e. all the students who take admission into Engineering course in our College, by organizing a Registration programme, followed by a function which would be attended by both the freshers and their parents. Principal explains at length, what are the do's and don'ts during their stay of four years in the campus.

Apart from this, a special Orientation programme spread over five days is organized during which the freshers would be exposed to various activities like

     i.   Essence of Engineering
    ii.   Virtuoso (Literary and cultural activities)
   iii.   Personality Development
   iv.   Service Activity
    v.   Body Matters.

These activities include a variety of traits, which when inculcated, make the freshers evolve into complete Engineers. Experts from various fields would give presentations / lectures / demonstrations during the programme.

At the end of this unique Five day Orientation Programme, all freshers will have an overall picture of the contents of study and learning objectives. They will also come to know the opportunities for campus placement and preparation methods needed for the interviews.

G. 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.

6/10/16
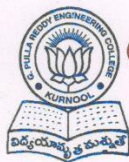
Signature of the Head of the institution with seal

Place:

Date:

PRINCIPAL
G. Pulla Reddy Engg. College
(Autonomous)
KURNOOL-518007 (A.P.)

G. Pulla Reddy Engineering College
– 6 OCT 2016
(AUTONOMOUS)
KURNOOL - 518 007.

Estd : 1985

G. Pulla Reddy Engineering College (Autonomous)

(SPONSORED BY G. PULLA REDDY CHARITIES TRUST, HYDERABAD)

Nandyal Road, **KURNOOL - 518 007.**

Affiliated to J.N.T. University Anantapur, Anantapuramu.

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh** fulfils all norms
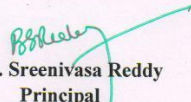
1. Stipulated by the affiliating University, **Jawaharlal Nehru Technological University Anantapur, Ananthapuramu** and/or
2. Regulatory Council/Body [such as **UGC**, NCTE, **AICTE**, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 24-10-16

Place: Kurnool

Dr. B. Sreenivasa Reddy

Principal

PRINCIPAL

Pulla Reddy Engg. College

(Autonomous)

KURNOOL-518007 (A.P.)

Accredited by **NBA** of AICTE ✪ Accredited by **NAAC** (Grade - A) of UGC ✪ ISO 9001:2008 Certified Institute

Ph (Off) : 08518 - 270957, 271017, Fax : 08518 - 270957   Grams : ENGCOL

E-mail : principal@gprec.ac.in   Website : www.gprec.ac.in

UGC Website : www.ugc.ac.in

विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

ज्ञान-विज्ञान
विमुक्तये

SPEED POST

Lalitha Ganesan
Under Secretary
No.F. 22-1/2012(AC)

8 JAN 2013

The Registrar,
Jawaharlal Nehru Technological University,
Anantapur – 515 002
(Andhra Pradesh)

Sub:- Grant of Extension of Autonomous Status to G. Pulla Reddy Engineering College
(Autonomous) Kurnool – 518 007A.P. affiliated to Jawaharlal Nehru Technological
University, Anantapur.

Sir,

This has reference to this office letter No. F. 22-1/2005(AC) dated 09/09/2006 on the
captioned subject for grant of extension of autonomous status and subsequent visit of the UGC Joint
Expert Review Committee held on 14th and 15th Sep 2012.

The report of the aforesaid UGC Joint Expert Review Committee was placed before the
Standing Committee constituted for the purpose by the Commission to look into the recommendation
of Expert Committee report for grant of extension as well as fresh autonomous status to colleges
before its recommendations are placed before the Commission for its final approval or otherwise as
the case may be.

The recommendations of this Standing Committee were placed before the Commission at its
meeting held on 17th December, 2012. The Commission, after taking due consideration of the
recommendations of the Standing Committee, agreed to grant extension of autonomous status to
G.Pulla Reddy Engineering College (Autonomous) Kurnool – 518 007A.P. under the UGC
autonomous colleges scheme for a period of six years w.e.f. the academic year i.e. 2012-2013 to
2017-2018.

The Jawaharlal Nehru Technological University, Anantapur – 515 002 (Andhra Pradesh) may
now go ahead and issue necessary orders in this regard by endorsing a copy of the same to this office
for our records. The admissible grant under this scheme will be released to the College as per its
eligibility, according to the norms as laid down in the XIth Plan Guidelines for Autonomous Colleges
by the Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4th Floor,
5-9-194, Chirag Ali Lane, Hyderabad - 500 001.

Yours faithfully,

(Lalitha Ganesan)

Contd..
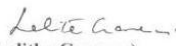
: 2 :

Copy to:-

1. The Secretary, Higher Education Department, Govt. of Andhra Pradesh, J-Block, 4th Floor, A.P. Sectt. Hyderabad – 522 022 (Andhra Pradesh).

2. The Joint Secretary, UGC South Eastern Regional Office, PB No. 152, APSFC Building, 4th Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001.

3. The Principal, G. Pulla Reddy Engineering College (Autonomous) Kurnool – 518 007 (Andhra Pradesh).

    A copy of the Expert Committee report is also enclosed for your information and guidance.

4. Meeting Cell.

5. Concerned file

6. Guard File.

(Lalitha Ganesan)
Under Secretary

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI-110 002.

No.F.8-131/91(CPP)   January, 1992

The Registrar
Sri Krishnadevaraya University
Anantapur - 515 003
(A.P.)

Sub: Inclusion of G. Pullah Reddy Engineering College,
      Kurnool under Sec.2(f)/12-B of the UGC Act, 1956.

Sir,

        I am directed to refer to your letter No.2775-UGC/91
dated 28.10.91 on the subject cited above and to inform
you that the G.Pulla Reddy Engineering College, Kurnool
has been included in the approved list of colleges under
Section 2(f) of the U.G.C. Act, 1956 under the head
"Non-Govt. Colleges Teaching upto Bachelor's Degree" as
detailed below :-

Name of College   Year of Estt.

G.Pulla Reddy Engineering College   1985
Kurnool - 518 002

(DR T. Sanjeeva Reddy)

        The Indemnity Bond and other documents of the College
have been accepted and retained in Commission's Office.

        It has been noted that the college is permanently
affiliated to Sri Krishnadevaraya University. G. Pulla
Reddy Engineering College, Kurnool is declared fit to
receive assistance from UGC and other central sources
in terms of Rules framed under Section 12-B of the
U.G.C. Act, 1956.

                                        Yours faithfully,

                                        (Kishan Chand)
                                        Under Secretary

Copy forwarded to :

1.   The Principal, G. Pulla Reddy Engineering College,
      Kurnool - 518 002.

2.   The Secy, GOI M/HRD (Deptt. of Edn.) New Delhi.

3.   All Officers/Section Officers in UGC

4.   S.O. (A/cs 'G') Section

5.   Computer Cell

6.   Guard file.

                                        (Kishan Chand)
                                        Under Secretary

AV/30.1.92

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. South-Central/1-2812957737/2016/EOA

Date: 25-Apr-2016

To,

The Principal Secretary
(Higher Education) Govt. of Andhra Pradesh,
J Block, 4th Floor, Secretariat Building,
Hyderabad-500022

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-Central	Application Id	1-2812957737
Name of the Institute	G.PULLA REDDY ENGINEERING COLLEGE	Permanent Id	1-4717591
Name of the Society/Trust	G.PULLA REDDY CHARITIES TRUST	Institute Address	NANDYAL ROAD, KURNOOL (AP), KURNOOL, KURNOOL, Andhra Pradesh, 518007
Institute Type	Unaided - Private	Society/Trust Address	11-5-452 RED HILLS HYDERABAD (AP),HYDERABAD,HYDERABAD,Andhra Pradesh,500004

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2016-17

Application Id: 1-2812957737			Course	Affiliating Body		Intake 2015-16	Intake Approved for 2016-17	NRI Approval status	PIO / FN / Gulf quota Approval status	Foreign Collaboration/Twining Program Approval status
Program	Shift	Level		Full/Part Time						
ENGINEERING AND TECHNOLO	1st Shift	POST GRADUA	CAD/CAM	FULL TIME	Jawaharlal Nehru Technological University,	18	18	NA	NA	NA

Application Number: 1-2812957737
Note: This is a Computer generated Report.No signature is required.

Printed By : AE2033921

Page **1** of **4**
Letter Printed On:25 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

GY		TE			Anantapur					
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	COMMUNICATI ON & SIGNAL PROCESS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	POWER ELECTRONICS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	STRUCTURAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	THERMAL SCIENCES & ENERGY SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	POS T GRA DUA TE	VLSI AND EMBEDDED SYSTEMS	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	18	18	NA	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	CIVIL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	120	120	Yes	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	180	180	Yes	NA	NA
ENGINEERIN G AND TECHNOLO GY	1st Shift	UND ER GRA DUA TE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	120	120	Yes	NA	NA
	1st	UND	ELECTRONICS	FULL	Jawaharlal	180	180	Yes	NA	NA

Application Number: 1-2812957737
Note: This is a Computer generated Report.No signature is required.

Printed By : AE2033921

Page **2** of **4**
Letter Printed On:25 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

ENGINEERING AND TECHNOLOGY	Shift	ER GRADUATE	& COMMUNICATION ENGG	TIME	Nehru Technological University, Anantapur					
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Jawaharlal Nehru Technological University, Anantapur	180	180	Yes	NA	NA

The above mentioned approval is subject to the condition that G.PULLA REDDY ENGINEERING COLLEGE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. **The Regional Officer,**
   All India Council for Technical Education
   First Floor, old BICARD Building
   Jawaharlal Nehru Technological University
   Masab Tank, Hyderabad-500076

2. **The Director Of Technical Education,**
   Andhra Pradesh

3. **The Registrar,**
   Jawaharlal Nehru Technological University, Anantapur

4. **The Principal / Director,**
   G.PULLA REDDY ENGINEERING COLLEGE
   NANDYAL ROAD, KURNOOL (AP),
   KURNOOL,KURNOOL,
   Andhra Pradesh,518007

5. **The Secretary / Chairman,**
   G.PULLA REDDY CHARITIES TRUST
   11-5-452
   RED HILLS
   HYDERABAD (AP),
   HYDERABAD,HYDERABAD,

Application Number: 1-2812957737
Note: This is a Computer generated Report.No signature is required.

Printed By : AE2033921

Page **3** of **4**
Letter Printed On:25 April 2016

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Andhra Pradesh,500004

6.   **Guard File(AICTE)**

Application Number: 1-2812957737
Note: This is a Computer generated Report.No signature is required.

Printed By : AE2033921

Page **4** of **4**
Letter Printed On:25 April 2016

ज्ञान-विज्ञान विमुक्तये
डॉ. निसार अहमद मीर
संयुक्त सचिव
Dr. Nisar Ahmad Mir
Joint Secretary

विश्वविद्यालय अनुदान आयोग
University Grants Commission
(मानव संसाधन विकास मंत्रालय, भारत सरकार)
(Ministry of Human Resource Development, Govt. of India)

बहादुर शाह ज़फ़र मार्ग, नई दिल्ली-110002
Bahadur Shah Zafar Marg, New Delhi-110002

दूरभाष Phone : 011-23212027 फैक्स Fax : 011-23219719
e-mail : nisarmir.ugc@nic.in

SPEED POST

F. No.F.No.10-4/2016 (NS/PE)   August, 2016

3 0 AUG 2016

The Principal,
G. Pulla Reddy Engineering College (Autonomous)
G.Pulla Reddy Nagar,
Nandyal Road,
Kurnool- 518007 (Andhra Pradesh.)
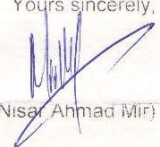
Dear Sir/Madam,

This is in continuation to this office letter No.F.12-1/2010/2015(NS/PE) dated 27.05.2016 wherein you were asked to send the required certificate/ undertaking from the Trust/ Management of the College under the CPE Scheme.

In this regard, it is to inform you that UGC has decided to confer the CPE Status to the college for a period of five years w.e.f. 1st April, 2016 to 31st March, 2021. It is to be noted that the funds allocated by the Trust/Management of the college shall be utilized as per action plan submitted by the college to UGC, in accordance with the Budget Heads under the CPE Scheme.

The College is advised that XII Plan CPE guidelines which are available on UGC website (www.ugc.ac.in) shall be strictly adhered to in implementing the CPE programme. It is also to be noted that the status of CPE is liable to be withdrawn any time before five years in case of any violation of CPE guidelines by the college.

With regards,

Yours sincerely,

(Dr. Nisar Ahmad Mir)

Ph:08554-272433 Fax:08554-272437
Mobile: 9908088806
Email:registrar@jntua.ac.in

PROCEEDINGS OF THE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
(Established by Govt. of A.P., ACT No.30 of 2008)
ANANTHAPURAMU – 515 002 (A.P) INDIA
PRESENT: Prof. S. KRISHNAIAH, Registrar

Procds. No.A2/Permanent Affiliation/GPREC-9X/2015-16   Date:09/11/2015

Sub: JNT University Anantapur – Academic Audit – Grant of Permanent Affiliation
        from the academic year 2015-16 to "G.Pulla Reddy Engineering College
        (Autonomous), Pulla Reddy Nagar, Nandyal Road, Kurnool" - Orders Issued.

Read:1. Univ.Affi Procs No.A2/Permanent Affiliation/GPREC/2010-11, dated:15-07-2010
      2. Status of approval for AICTE approved Engg & Tech institutions for the year
         2015-16 as on 01-06-2015 kept in AICTE website.
      3. a) G.O.Rt.No.267, dated:08-06-2015
         b) G.O.Rt.No.268, dated:08-06-2015
      4. Univ. FFC Procs. No.DAAO/A2/Affi-Permanent/FFC-Inspections/2015-16.
         dated:19-05-2015
      5. Fact Finding Committee Report.
      6. Minutes of the Meeting of the Standing Committee for Affiliation dated:06-11-2015
                                    ***

ORDER:

1. The "G.Pulla Reddy Engineering College (Autonomous), Pulla Reddy Nagar, Nandyal Road,
    Kurnool" was given Permanent affiliation for running Degree courses during the academic
    year 2010-11 vide Procs.(1) read above.

2. The AICTE, New Delhi and Government of A.P have accorded extension of approval to the
    above college for the academic year 2015-16 vide ref (2) and (3) read above. The University
    has constituted a Fact Finding Committee to verify the staff and infrastructure facilities of the
    college to consider for the grant of **Permanent Affiliation** from the academic year 2015-16
    vide Procs. (4) read above. The Fact Finding Committee has visited the college and
    submitted its report to the University vide (5) read above. The Standing Committee for
    Affiliation of the University has verified the Fact Finding Committee reports and other
    documents pertaining to the college and made recommendations for granting **Permanent
    Affiliation** from the academic year 2015-16 vide (ref.6) read above.

The Standing Committee for Affiliation has identified the following deficiencies and
recommended to rectify the same and submit a compliance report.
1. Faculty cadre ratio is to be maintained as per norms.
2. Faculty student ratio is to be maintained as per norms for UG courses.
3. Biometric attendance is to be adopted for PG courses.
4. CC Cameras are to be installed in PG class rooms and Exam halls.
5. All the faculty must obtain Aadhar & PAN numbers.

3. Under the circumstances as stated above, the Vice-Chancellor is pleased to Grant **Permanent
    Affiliation** to "G.Pulla Reddy Engineering College (Autonomous), Pulla Reddy Nagar,
    Nandyal Road, Kurnool" sponsored by "Gunampalli Pulla Reddy Charities Trust. 11-5-452,
    Red Hills, Hyderabad" to offer the following Courses with the intake shown against each for
    a period of **5 (Five)** years from the Academic Year 2015-2016 as detailed below:

                                                                            Contd..2

.2.

S.No.	Name of the course	INTAKE
1.	B.Tech.-Civil Engineering	120
2.	B.Tech.-Computer Science & Engineering	180
3.	B.Tech.-Electronics & Communication Engineering	180
4.	B.Tech.-Electrical & Electronics Engineering	120
5.	B.Tech.-Mechanical Engineering	180
6.	M.Tech.-Communication & Signal Processing	18
7.	M.Tech.-CAD/CAM	18
8.	M.Tech.-Thermal Science & Energy Systems	18
9.	M.Tech.-Power Electronics	18
10.	M.Tech.-Computer Science & Engineering	18
11.	M.Tech.-Structural Engineering	18
12.	M.Tech.-VLSI & Embedded Systems	18

However, the college is instructed to rectify the above deficiencies and submit a compliance report before 08-01-2016, failing which the Permanent Affiliation will be withdrawn.

The Permanent/Temporary affiliation shall be subject to the following conditions:
1. The management shall follow the norms of AICTE and the rules of the affiliation of JNT University Anantapur in all aspects.
2. The management shall follow the Academic Regulations and examination schedule of JNT University Anantapur.
3. Anti-ragging measures to be taken strictly in accordance with UGC regulations on curbing the menace of ragging in Higher Educational Institutions, 2009 (F.1-16/2007 (CPP-II))
4. Regular meetings of College Academic Committee and Governing Body shall be conducted.

DSRao
for REGISTRAR

To
The Principal,
G.Pulla Reddy Engineering College (Autonomous)
Pulla Reddy Nagar, Nandyal Road, Kurnool -- 518007.

Copy to:
The Chairman/Secretary, Gunampalli Pulla Reddy Charities Trust, 11-5-452, Red Hills, Hyderabad-500058.
The Principal Secretary to Government Higher Education (EC.2) Dept, Govt. of Andhra Pradesh, A.P. Secretariat, Hyderabad.
The P.A. to Chairman, A.P. State Council of Higher Education, 6-2-910, II Floor, IEI New Building, Visvesvarayya Bhavan, Khairatabad, Hyderabad-500004
The Secretary, A.P. State Council of Higher Education, 6-2-910, II Floor, IEI New Building, Visvesvarayya Bhavan, Khairatabad, Hyderabad-500004
The Commissioner of Technical Education, BRKR Govt. Office Complex, Hyderabad.
The Member Secretary, All India Council for Technical Education (AICTE), 7th floor, Chanderlok Building, Janpath, New Delhi-110001.
The Director, AICTE-South Central Regional Office, 1st floor, Old Bicard Building, JNTU, Masab Tank Campus, Mahaveer Marg, Hyderabad-500028.
The Joint Secretary, University Grants Commission, South Eastern Regional Office, APSFC Building (4th Floor), 5-9-194, P.B.No.152, Chirag-Ali-Lane, Hyderabad-500 001.
The Director of Evaluation, JNTUA, Anantapur.
PA to the Vice-Chancellor, PA to Rector, PA to the Registrar.

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the

G. Pulla Reddy Engineering College

Nandyal Road, Kurnool

affiliated to Sri Krishnadevaraya University, Andhra Pradesh as

Accredited

at the B^+ level.

Date : February 28, 2005

Director

- This certification is valid for a period of *Five* years with effect from February 28, 2005
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65-C' grade, 65-70-C'' grade, 70-75- B grade, 75-80- B' grade, 80-85-B'' grade, 85-90- A grade, 90-95-A' grade, 95-100-A'' grade (upper limits exclusive)

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission
Ministry of Human Resource Development, Government of India
P. O. Box 1075, Nagarbhavi, Bangalore-560 072, India.
Phone: +91-80-23005100, 23210261 - 65, Fax: +91-80-23210268/23210270

Provisional Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
G. Pulla Reddy Engineering College (Autonomous)
G. Pulla Reddy Nagar, Kurnool,
affiliated to Sri Krishnadevaraya University, Andhra Pradesh as

Accredited

with **CGPA** of **3.14** on four point scale

at **A** grade

valid up to November 29, 2016

EC Date : November 30, 2011

Director

इ-मेल : e-mail: naac@blr.vsnl.net.in / wahidul@hotmail.com वबसाइट Website : www.naac.gov.in

Dy.No. 231/AC/2012
21/9/2012

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110 002

REPORT OF THE VISITING COMMITTEE FOR CONSIDERATION OF EXTENSION OF AUTONOMOUS STATUS TO
G.Pulla Reddy Engineering College (Autonomous), Kurnool, Andhra Pradesh
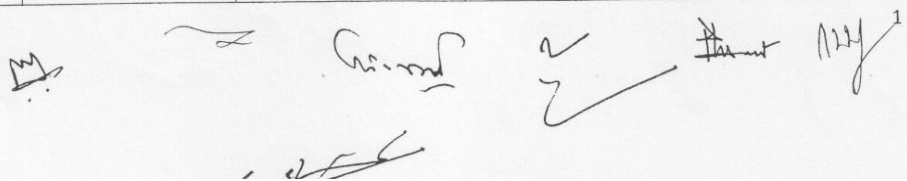
Name of the College / Address / Pin Code / Fax	Dates of Visit	Venue	Review for the grant / extension of Autonomous Status
G.Pulla Reddy Engineering College (Autonomous), Nandyal Road, Kurnool – 518 007, AP. Phone : 08518-270957, 271017, Fax : 08518-270957 Website : www.gprec.ac.in Email: principal@gprec.ac.in	14th & 15th September, 2012	G.Pulla Reddy Engineering College (Autonomous), Kurnool – 518 007, AP	Review for Extension of Autonomous Status

(Name of the affiliating University) to which the college concerned is affiliated to	:	Jawaharlal Nehru Technological University, Anantapur, AP.
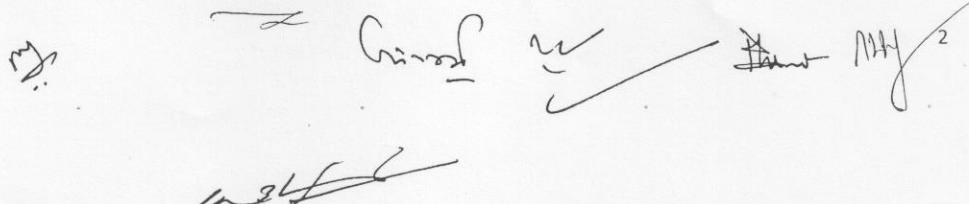
Details of the Visiting Committee Members ;

Sl. No.	Name	Address	Position	Contact details
1	Prof. J.I.Nanavati	Dept. of Mechanical Engineering The M.S.University of Baroda University Road, Fatehgunj Vadodara – 390 002 Gujarat	Chairman	09825027274 jinanavati@hotmail.com
2	Dr. P.H.Sawant	Principal Sardar Patel College of Engineering (A) Munshi Nagar, Andheri (W)\ Mumbai – 400 058 Maharashtra	Member	(O) 022-26289777, 26232192. (F) 022-26237819 phsawant@hotmail.com

3	Prof.N.K.Srinath	Dept. of Computer Science & Engineering R.V.College of Engineering Mysore Road, Bangalore – 560 059 Karnataka	Member	(M) 09845293550 (O) 080-67178053 srinathnk@rvce.edu.in
4	Dr.R.Rudramoorthy	Principal, PSG College of Technology (A) P.B.No: 1611, Avinashi Road Coimbatore – 641 004 Tamilnadu	Member	0422-2572177, 2572477, 5344777 (O) principal@psgtech.edu principal@psgtech.ac.in
5	Prof. G.K.Viswanath	Professor of Civil Engineering J.N.T.University, Hyderabad, AP	State Government Nominee	+91 9849163875 kasi.gorthi@gmail.com
6	Prof.P.R.Bhanu Murthy	Professor of Civil Engineering J.N.T.University, Anantapur, AP	University Nominee	+91 7702768080 +91 9246579065 prbhanumurthy@yahoo.co.in
7	Dr. G. Srinivas	Joint Secretary, UGC-South Eastern Regional Office Hyderabad – 01, AP	Member - Secretary	09490793185 040-23204735, 23200208 srinivasugc@gmail.com

1		Name of the Principal	:	Dr. B.Sreenivasa Reddy
2	a	Year in which the college started	:	1984-1985 Academic Year, (Annexure – I)
	b	Date when the college was declared fit under section 2(f) and 12 (B) of UGC Act 1956 (attach a copy of UGC letter in this regard)	:	07th January, 1992, Copy Enclosed, (Annexure – II) All programmes are recognized by AICTE (Annexure – III)
3		College Applied for		Extension of Autonomous Status
	A	Fresh Autonomous Status	:	--
	B	Extension of Autonomy w.e.f. Year		Yes, 2012-13 to 2017- 18
4		Category under which the college falls as per XI th Plan Guidelines		Co -Education
	A	Men	:	--

	B	Women	:	--
	C	Co-Education	:	Yes
	D	UG/PG Both/Single faculty)/ Multi faculty (Please mention)	:	UG , PG, Multi Faculty
	E	Self Financing (Number of years standing with proof 10 years of existence as per norms of the XI th Plan Guidelines)	:	Self Financing. State Govt. first Approval in 1985 The college is established in the year 1985. It has 26 years of existence.
5		Type of College		Engineering
	A	Arts/Science/Commerce	:	--
	B	Engineering	:	Engineering
	C	Education	:	--
	D	Others (Law, Physical Education etc.)	:	--

I.   Infrastructure facilities available with appropriate covered area in Sq. Feet.

(a) Class Rooms

Particulars	Number of rooms		Carpet Area per room	
	Requirement as per norms	Available in the Institution	Requirement as per norms	Available in the Institution
Class Rooms	63	72	710	925

(b) Laboratories
    (Area of Laboratories in Square mts)

Sl.No.	Course	Available in the Departments
First Year (Common)		
1.	Computer Center	1824
2.	English Language & Phonetics	1614
3.	Physics	2539
4.	Chemistry	2539
5.	Workshops	6012
Second Year onwards (Branch wise)		
1	Civil Engineering	13525
2	Mechanical Engineering	15580
3	Electrical & Electronics Engineering	13105
4	Electronics & Communication Engineering	15257

5	Computer Science and Engineering	127581
6	Information Technology	
7	Master in Computer Applications	4946

(c) Library Resources

Sl. No.	Particulars	Requirement as Per norms	Availability
1	Number of titles of the books	13560	14708
2	Number of volumes of the books	52400	58096
3	Number of Journals (National/International)	80 / 70	94 / 70
4	Furniture	Adequate	Adequate
5	Stacking & Seating Area (in Sq. Feet)	4304	12912

(d) Hostels (Men and Women Separately)
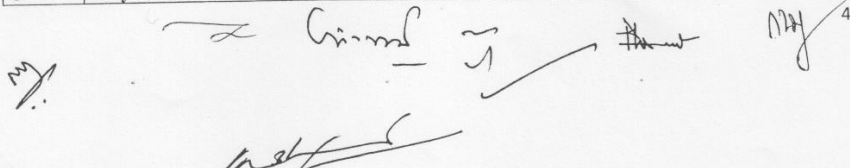
Sl. No.	Name of the Hostel	Carpet Area (Sq. Ft.)	No. of Rooms	Seating Capacity
1	Boys Hostel :			
2	Ladies Hostel :	Not Applicable		

(e) Administrative Block

S.No.	Particulars	Required area in Sq. Ft.	Area Available in the College in Sq. Ft.
1	Reception	150	236
2	Dean / Director	200	528
3	College Office	300	428
4	Estate Office	200	260
5	Board Room	300	364
6	Storage Room	200	286
7	Exam Unit (College)	300	4106
8	Controller of Examination Room	200	418
9	Secretary Room	200	368

(f) Principals Office

S.No.	Particulars	Required area in Sq. Ft.	Area Available in the College in Sq. Ft.
1	Principal's Room	200	464
2	Girls Common Room	1600	3480
3	Canteen	3000	5480
4	Sports Facilities (Indoor)	Adequate	5080
5	Play Ground	Adequate	3 acers

6	Auditorium	2000	3800
7	Seminar Halls	6000	8920
8	Other Aminities (includes bank, Post Office, Browsing Center, parking Area, Fast Food Center, Bakery, HOD Rooms, Department Offices, Rest Rooms, Guest house, NCC Bank, R&D, Stores, Placement, Boys Common Room etc.,	Adequate	16,846
9	Total (Building) Covered area in Sq. Ft.	34062	398780
10	Total Land Area owned by the College in its name.	10.0	27.25

(g) Academic Activities (during the last five years) ;

S.No	Name of the University / College	Total No. of Teaching Staff strength					Total No. of Research Publications / Project during the last 5 years.		Total No. of Conferences / Seminar/ Symposium during the last 5 years	Accreditation
		Ph.D	M.Phil	M.tech /ME	Others	Total	Research Publication	Project		
1	G.Pulla Reddy Engineering College	35	06	106	06+13=19	166	364	02	527	NAAC with "A" grade. NBA – 6 Programmes
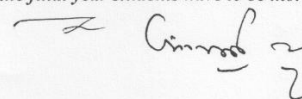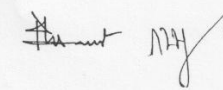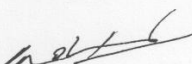
6.	Whether the Committee is satisfied with the present mode of the teaching methods adopted by the College Yes/No (Specific comments in details may be given as to the short comings observed if any)
	Yes, Teaching, Learning methods in the college are satisfactory. There is continuous internal evaluation system.

7.	Academic achievements of the students during the last five years in details such as various ranks obtained by its students in the University's Exam
	Good number of students passed with higher grades *Good record of campus placements.* *Reasonable scores in GATE, GRE and other competitive examinations.*

8.	**Whether the Committee is satisfied with the type of courses being offered by the College Yes / No. (Specific comments in details with regard to any particular course may given / withdrawn as the case may be)**
	The committee is satisfied with the UG academic programmes being offered. PG Programmes need more academic consolidation / reconfiguration.

9.	**Whether all the Teachers are in favor of getting autonomous status to the college Yes / No (Give reasons in details as to whether the Committee interacted with the teachers separately so as to ascertain their views for and against, if any)**
	Yes, *The teachers are in favour of continuation of Autonomy.* *Some faculty have said that students have to be given more practical exposure to improve their better understanding of the subjects and better employability as per the feed back received from visiting recruiters.*

10.	**Any other information which the Committee feel will help UGC in taking decision to grant autonomy or continuation of autonomous status to the College**
	The college has clear vision with regard to what they would like to achieve after six years if Autonomy is re-awarded / extended to them, which is as follows : *Having implemented Autonomy successfully during the First Term that is 2006-2012 the college sets the following targets to be achieved in the next term i.e. 2012 to 2018.* • *Introduction of Diploma / Certificate courses in the areas with employment potential.* • *To consolidate and strengthen PG programmes currently offered* • *To apply to the University for Recognition of various departments in the college as Research Centers and start Ph.D. programmes.* • *To apply to various funding agencies like DST, UGC, AICTE, MHRD and get sponsored research projects.* • *To generate internal revenue by increasing the consultancy activities.* • *To train the students more rigorously in the skills which will enhance their employability and thus increase the percentage of students who are industry ready.* • *To transform at least 50% of the existing class rooms into e-classrooms.* • *To institute stipend for the meritorious students (Non GATE) admitted into M.Tech Courses.* • *To innovate the laboratories by replacing the obsolete and wornout Equipments with the most modern and sophisticated.* • *To make extension activities as a part of regular curriculum so that both students and faculty will be rendering the services to the neighboring community.* • *To organize an International Seminar on the theme "Industrial Potential of Rayalaseema – How to harness it".*

II. Interaction with Parents & Alumni ;

    During the interaction of the visiting committee with parents and alumni, they are of the view that projects given to the final year students have to be more industry oriented.

III. Examination Reforms

a	Whether the Committee is satisfied with the present mode of the examination being conducted by the College? Any specific method of evaluation which the Committee would like to suggest to them may be indicated.
	The committee is satisfied with the Examination & Evaluation methods of the college. *Credit based grading system has been introduced.* *The Examination Committee strengthen the study assessment methods from year to year.* *Soft Skills Courses and open electives have been introduced.* *Assignments were made mandatory as a part of continuous internal assessment.*
b	Interaction with Students / Non teaching staff, give specific comments in details for such interaction undertaken.
	Students :- *Students are happy to study in autonomous mode, since it gives them improved curriculum and well defined academic calendar. Some students desired frequent industrial visit and industry oriented syllabus. Some girl students suggested that their participation in sports and extra curricular activities be encouraged.* **Non Teaching Staff :** *The non-teaching staff are aware of the function under Autonomy. They are trained in modern methods of office management, laboratory techniques and Library functions. Some of the temporary staff wanted their services to be regularised.*

IV. Administrative Activities (for review of Autonomous Status College only)

	Whether the Governing Body, Academic Council, Board of Studies and Finance Committee Meeting are being conducted by the College periodically or not. Specific comments in details with regard to resolutions passed by the above bodies in the recent past may be given.
	The college is conducting meetings of the Internal statutory bodies regularly in accordance with the norms of the UGC. Eminent People from different areas are members of these bodies apart from college representatives.
a	Comments regarding the self financing courses being offered
	The college functions in self financing mode. All the courses conducted are self financing in nature. The college received financial assistance from AICTE under the schemes of MODROBS and RPS.
b	Comments regarding the fee structure being in force
	The college follows Government of A.P. Norms with regard to fee structure.
c	NAAC / NBA accreditation rating awarded, if not comments thereof
	The college has currently valid re-accreditation from NAAC(UGC) and NBA(AICTE). Re-accredited by National Assessment and Accreditations Council (NAAC) of UGC with grade A in February 2012 . This is valid for a period of five years from 2012 to 2017 with effect from November 30th 2011. *UG Programs namely CE, CSE, ECE, ME , EEE and IT are Accredited by National Board of Accreditation (NBA) of AICTE twice and IT for once. This is valid for a period of three years each with effect from 2005 – 2008 and 2008 to 2012. Proposals were already sent for re-accreditation third time.* *The college is certified in Aug, 2006 by ISO (9001 : 2008)*

d	Recommendations of the UGC nominee for the Governing Bodies (other than from the state where college situated) Not more than two names with full address be indicated.
	The UGC Nominee will be nominated by the UGC after extension of Autonomous status.

V   **Financial Utilization of UGC funds : Specific comments be given**
(give details of Autonomy Grant / General Development grant, if any received by the college for the last five years separately).

The college is a self-financing institution. No development grants are received from UGC.

Healthy Practices in the Institution;

- *The Syllabi is revised on an average of once in two years.*
- *Several medals were instituted to be awarded to the meritorious students.*
- *Facilities such as Wi-Fi, LAN, Digital Library , Language Lab etc are available.*
- *Several Incentives to the Faculty are in place.*
- *Student placements are satisfactory.*
- *ISTE students chapter exists*
- *Registered ALUMNI association is available. Some of its meetings are organized in USA.*
- *ALUMNI instituted Awards to students.*
- *Students admitted in I B.Tech with below 1000 rank in EAMCET are offered full tuition fee WAIVER for all the four years.*
- *Children of staff of the college are given 50% fee concession for all the four years.*
- *Faculty are Promoted on Merit Basis*
- *Remedial Classes for Slow Learners are conducted*
- *Bridge Courses for Lateral Entry Students are conducted*
- *Compulsory Seminar by IV B.Tech Students*
- *Student appraisal system for continuous quality improvement*
- *Social Service Activities Triggering Social Responsibilities*

Suggestions for further development of the Institution ;

- *Faculty : Student ratio should be improved to 1:15, this will reduce the work load of faculty members and that will improve research and consultancy.*
- *Modernization of labs / class rooms furniture should be considered on priority basis.*
- *Post graduate programmes should be given importance by the college to go to the next level. Scholarships for students is one incentive.*
- *Retired professors from University and other institutions may be recruited for academic administration and research.*
- *Faculty in all branches must be improved by recruiting senior faculty having doctorate qualification.*
- *Faculty members should be encouraged by deputing to international conferences with financial support.*
- *Ad hoc appointment of faculty may be replaced by qualified regular faculty.*
- *More budget may be allocated for procuring equipment in all laboratories on yearly basis. Otherwise, after few years, all the existing lab equipments may become obsolete and it will be more burden for the college to purchase new equipments at a time.*
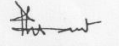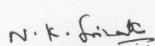
VI.   **Recommendations of the Committee**
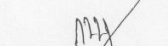
A	Tenure conferred / extended by the Jawaharlal Nehru Technological University Anantapur, Anantapur.
	The affiliating University, Jawaharlal Nehru Technological University Anantapur, will ratify the extension of the autonomous status following UGC notification.
B	Tenure conferred / extended by the <u>Andhra Pradesh</u>
	The department of Technical Education, Government of Andhra Pradesh will ratify the extension of the Autonomous status following UGC notification.
C	In case the college required ex-post-facto approval for an earlier period (already gone by) the same may be specifically mentioned (only applicable for existing Autonomous College enjoying / Autonomous College status).
	Not required
D.	Tenure recommended by the present committee with six years time period be indicated (as per XIth Plan guidelines)
	The visiting committee unanimously recommends for extension of Autonomous Status to the college for a period of Six Years with effect from 2012-13 to 2017-18.
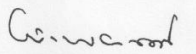
Signature of the Experts with their full name
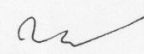
(J.I.Nanavati)   (P.H.Sawant)   (N.K.Srinath)   (R.Rudramoorthy)
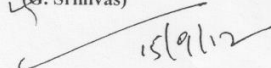
(G.K.Viswanath)   (P.R.Bhanu Murthy)   (G. Srinivas)

Place : Kurnool, Andhra Pradesh
Date : 15-09-2012

9

CA. K. SUBRAHMANYAM
B.Com., F.C.A.,
CHARTERED ACCOUNTANT

64-2A, Fort, KURNOOL - 518 001.
☎ : Offi : (08518) 244344, 245290
Resi : (08518) 220170
Cell : 98498 48047
e-mail : kasturiphani@hotmail.com
Alternate ID : kasturiphani@yahoo.com

Date :

AUDIT REPORT

I have audited the attached Balance Sheet of G PULLA REDDY ENGINEERING COLLEGE, KURNOOL as at 31st March, 2012, and also the Income & Expenditure Account for the year ended on that date annexed thereto. These financial statements are the responsibility of the entity's management. My responsibility is to express an opinion on these financial statements based on my audit.

I conducted my audit in accordance with auditing standards generally accepted in India. Those Standards require that I plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the management, as well as evaluating the overall financial statement presentation. I believe that my audit provides a reasonable basis for my opinion.

Further I report that :

i)   I have obtained all the information and explanations, which to the best of my knowledge and belief were necessary for the purposes of my audit;

ii) In my opinion, proper books of account have been kept by the entity so far as appears from my examination of those books;

iii) The Balance Sheet and Income & Expenditure Account dealt with by this report are in agreement with the books of account;

iv) In my opinion and to the best of my information and according to the explanations given to me, the said accounts give a true and fair view in conformity with the accounting principles generally accepted in India :

    a)   in the case of the Balance Sheet, of the state of affairs of the above named Institution as at 31st March, 2012; and

    b)   in the case of the Income & Expenditure Account, of the surplus for the year ended on that date.

CHARTERED ACCOUNTANT
Membership No: 002119

Kurnool, Dated 25th Day of September, 2012
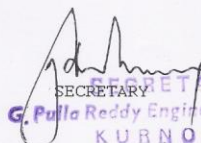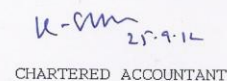
G PULLA REDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Turst , Hyderabad)

BALANCE SHEET AS AT   31.03.2012

LIABILITIES		Amount Rs.	ASSETS		Amount Rs.
Capital Fund :		294516968.38	Fixed Assets (As per Shedule)		119904348.00
Opening Balance	250311885.39		Block A. (10 %)	91517177.00	
Net Income	44205082.99		Block A. (15 %)	20303508.00	
			Block B (60 %)	8083663.00	
Gratuity Payable		83534.00	Construction (WIP)		27805023.00
Caution Deposit		6240425.25	Fixed Deposits (As per Shedule)		87259677.00
ITPP Funds(T&P)		7774000.00	Cash At Banks (As per Shedule)		40346184.18
Ear marked Funds		995862.00	Cash in Hand		24286.00
			Advances		210012.00
			Bills Receivable		94727.95
			Deposits		500180.00
			G P R Charities Trust		25266351.50
			GPR Dental College,knl		8200000.00
		309610789.63			309610789.63

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.

25.9.12
CHARTERED ACCOUNTANT
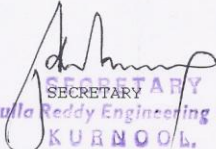
Membership No: 002119

G PULLAREDDY ENGINEERING COLLEGE: KURNOOL.
(A Unit of G.Pulla Reddy Charities Turst , Hyderabad)
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31.03.2012

EXPENDITURE	Amount Rs.	INCOME	Amount Rs.
Staff Salaries (As Per Schedule)	91560137.00	AICTE Grants (MODROBS)	1560000.00
Advertisement	849556.00	Exam Conduting Receipts	281718.00
Auditor Fee	45000.00	Fee Collections	168110136.00
Broad Band Charges	944578.00	Fines	19027.00
Building Maintenance	1425738.00	Interest Received (APS)	9881297.00
Exam Conducting&Valuation Exp.	2778042.00	M.Tech Grants	3917054.00
Fire Insurance	151663.00	Misc. Receipts	651196.00
HT Electrical Charges	2760389.00	Rent	167450.00
Labs & Departments Maint(A P S)	1979553.00	Sale of Bus Coupons	2856800.00
Misc. Expenses (As Per Schedule)	4731730.00	Testing Charges (Income)	1221384.00
Placement Expenses	527260.00		
Postage	51257.00		
Printing & Stationery	1026637.00		
Scholarships(M.Tech)	1920000.00		
Students Insurance	1629246.00		
Telephone Charges (APS)	38659.00		
Testing Expenses	612091.00		
Training & Soft Skills Exp.	3388859.01		
Travel Expenses(As Per Schedule)	1042675.00		
Vehicles Mainte.(As Per Schedule)	2118727.00		
Depreciation (As Per Shedule)	24879182.00		
Excess of Income over Expenditure	44205082.99		
	188666062.00		188666062.00

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.
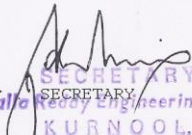
CHARTERED ACCOUNTANT

Membership No: 002119

G PULLAREDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Turst , Hyderabad)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDING 31.03.2012

RECEIPTS	Amount Rs.	PAYMENTS	Amount Rs.
Opening Balances :		Staff Salaries (As Per Schedule)	91560137.00
Fixed Deposits	77308553.00	Advances	46263.00
Bank Accounts	29024701.69	Advertisement	849556.00
		Auditor Fee	45000.00
AICTE Grants (MODROBS)	1560000.00	Block "A"(Fans,Furniture,Books etc.)	1722230.00
Exam Conduting Receipts	281718.00	Block "B"(Lab Equip,Vehicles etc)	6851748.00
Fee Collections a/c	168110136.00	Block "C"(Computers)	4913867.00
Fines a/c	19027.00	Broad Band Charges	944578.00
Gratuity Payable	83534.00	Building Maintenance	1425738.00
Interest Received (APS)	9881297.00	Caution Deposit	1399775.50
ITPP Funds(T&P)	2906000.00	Construction (WIP)	27805023.00
M.Tech Grants	3917054.00	Electrical Deposit	475180.00
Misc. Receipts a/c	651196.00	Exam Conducting&Valuation Exp.	2778042.00
Rent a/c	167450.00	Fire Insurance	151663.00
Sale of Bus Coupons	2856800.00	G.Pulla Reddy Dental College & Hosp.	7200000.00
Testing Charges (Income)	1221384.00	HT Electrical Charges	2760389.00
Ear Marked Funds	85136.00	Labs & Departments Maint(A P S.)	1979553.00
		Misc. Expenses (As Per Schedule)	4731730.00
		Placement Expenses	527260.00
		Postage	51257.00
		Printing & Stationery	1026637.00
		Scholarships(M.Tech)	1920000.00
		Students Insurance	1629246.00
		Bills Receivable	42489.00
		GPR Charities Trust	405467.00
		Telephone Charges (APS)	38659.00
		Testing Expenses	612091.00
		Training & Soft Skills Exp.	3388859.01
		Travel Expenses (As Per Schedule)	1042675.00
		Vehicles Mainte. (As Per Schedule)	2118727.00
		Closing Balances :	
		Fixed Deposits	87259677.00
		Bank Accounts	40346184.18
		Cash On Hand	24286.00
	298073986.69		298073986.69

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL,

CHARTERED ACCOUNTANT

Membership No: 002119

CA. K. SUBRAHMANYAM

B.Com., F.C.A.,

CHARTERED ACCOUNTANT

64-2A, Fort, KURNOOL - 518 001.
☎ : Offi : (08518) 244344, 245290
Resi : (08518) 220170
Cell : 98498 48047
e-mail : kasturiphani@hotmail.com
Alternate ID : kasturiphani@yahoo.com

Date :

Independent Auditor's Report

Report on the Financial Statements

I have audited accompanying Financial Statements of G PULLA REDDY ENGINEERING COLLEGE; (A Unit of GUNAMPALLI PULLA REDDY CHARITIES TRUST) KURNOOL which comprise the Balance Sheet as at 31st March, 2013 and statement of Income & Expenditure Account for the year then ended and summary of the Accounting Policies and other explanatory information.

Management Responsibility

Company's Management is the responsible for the preparation of the Financial Statements. This responsibility includes the design, implementation and maintenance of the internal controls relevant for the preparation and presentation of the financial statements that give true and fair view and are free from the material misstatements whether due to fraud or error.

Auditors Responsibility

My responsibility is to express an opinion on these Financial Statements based on my audit. I conducted my audit in accordance with Standards on Auditing issued by the Institute of Chartered Accountants of India which are generally accepted in India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Financial Statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the Financial Statements.

I believe that the audit evidence obtained is sufficient and appropriate to provide a reasonable basis for my opinion.

Opinion

i) In my opinion and to the best of my information and according to the explanations given to me, the Financial Statements of G PULLA REDDY ENGINEERING COLLEGE, (A Unit of GUNAMPALLI PULLA REDDY CHARITIES TRUST) KURNOOL for the year ended 31st March,2013 are prepared, in all material respects in accordance with the Generally Accepted Accounting Principles & Indian Trust Act 1882.

Chartered Accountant
Membership No: 002119

Kurnool, Dated 23rd Day of September, 2013

G PULLAREDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 01-04-2012 TO 31.03-2013

RECEIPTS	Amount Rs.	PAYMENTS	Amount Rs.
Opening Balances :			
Bank Accounts	4,03,46,184.18	Block "A"(Build'sFans,Furniture, etc.)	5,61,49,090.00
Cash On Hand	24,286.00	Block "B"(Lab Equip,Vehicles etc)	1,08,70,204.00
		Block "C"(Computers,Books etc.)	78,28,892.00
Fixed Deposits	16,11,30,398.00	Caution Deposit	13,31,040.00
Ear Marked Funds	3,61,872.00	Advances	68,721.00
AICTE Capital Grants	37,65,000.00	Electrical Deposit	1,05,500.00
Bills Receivable	32,334.00	G.Pulla Reddy Charities Trust(TDS)	10,67,392.00
Gratuity Payable	80,280.00	G.Pulla Reddy Dental College & Hosp.	10,00,000.00
ITPP Fund(T&P Dep)	44,01,247.00	Fixed Deposits	19,25,68,087.00
Sale of Old Vehicle	1,10,000.00		
Work In Progress(Const.)	2,78,05,023.00	Staff Salaries	11,95,82,994.00
Car AP 11 S 167 (Loss on Sale)	70,625.00	Advertisement	4,87,087.00
		AICTE Expenses	6,00,000.00
M.Tech Grants	33,42,748.00	Bank Charges	54,717.33
Application Fee	1,30,500.00	Broad Band Charges	4,35,953.00
Exam Conducting Receipts	1,63,795.00	Building Maintenance	55,34,064.00
Exam Fee	88,67,714.00	Exam Conducting Valuation Exp	61,35,872.00
Fines	2,68,365.00	Generator Maintenance	7,83,078.00
Bank & FD Interest etc.	1,18,10,427.00	HT Electrical Charges	34,63,293.00
Misc. Receipts	1,52,535.00	Inspection & Audit Expenses	17,20,843.00
Rent & Electrical Charges rec.	6,11,045.00	Insurance Paid	9,82,511.00
Sale of Bus Coupons	32,53,550.00	JNTUA Expenses	74,29,200.00
Special Fee	68,32,430.00	Labs & Departments Maintenance	14,58,936.00
Testing Charges (Income)	10,73,127.00	Legal Expenses	2,97,500.00
Tuition Fee	18,70,98,743.00	Library Maint.Subscriptions,Memberships	15,22,468.00
UGC Grants	4,73,918.00	Misc. Expenses	19,08,970.00
		Placement Expenses	4,65,593.00
		Postage	36,766.00
		Printing & Stationery	8,37,397.00
		Profession Tax (College)	17,500.00
		Security Maintenance	4,54,609.00
		Seminars & Meetings	22,62,582.60
		SK University Expenses	1,08,000.00
		Sports & Games Expenses	25,191.00
		Staff Welfare & Medical Aid	6,64,461.00
		Stipend Paid(M Tech)	19,20,000.00
		Orientation & College Day Exp.	7,40,113.00
		Telephone Charges	41,406.00
		Testing Expenses	3,46,275.00
		Training & Soft Skills Exp.	40,91,500.00
		Travel Expenses	7,73,011.00
		Vehicles Maintenance	19,20,079.00
		Closing Balances :	
		Bank Accounts	2,41,15,250.25
	46,22,06,146.18		46,22,06,146.18

SECRETARY
G Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT
Membership No: 002119
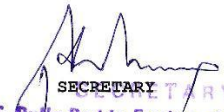
G PULLAREDDY ENGINEERING COLLEGE: KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31.03.2013

EXPENDITURE	Amount Rs.	INCOME	Amount Rs.
Staff Salaries	11,95,82,994.00	M Tech Grants	33,42,748.00
Advertisement	4,87,087.00	Application Fee	1,30,500.00
AICTE Expenses	6,00,000.00	Exam Conducting Receipts	1,63,795.00
Bank Charges	54,717.33	Exam Fee	88,67,714.00
Broad Band Charges	4,35,953.00	Fines	2,68,365.00
Building Maintenance	55,34,064.00	Bank & FD Interest etc.	1,18,10,427.00
Exam Conducting Valuation Exp	61,35,872.00	Misc. Receipts	1,52,535.00
Generator Maintenance	7,83,078.00	Rent & Electrical Charges	6,11,045.00
HT Electrical Charges	34,63,293.00	Sale of Bus Coupons	32,53,550.00
Inspection & Audit Expenses	17,20,843.00	Special Fee	68,32,430.00
Insurance Paid	9,82,511.00	Testing Income	10,73,127.00
JNTUA Expenses	74,29,200.00	Tuition Fee	18,70,98,743.00
Labs & Departments Maintenance	14,58,936.00	UGC Grants	4,73,918.00
Legal Expenses	2,97,500.00		
Library Maint.Subscriptions ,Memberships	15,22,468.00		
Misc. Expenses	19,08,970.00		
Placement Expenses	4,65,593.00		
Postage	36,766.00		
Printing & Stationery	8,37,397.00		
Profession Tax (College)	17,500.00		
Security Maintenance	4,54,609.00		
Seminars & Meetings	22,62,582.60		
SK University Expenses	1,08,000.00		
Sports & Games Expenses	25,191.00		
Staff Incentives & Medical Aid	6,64,461.00		
Stipend Paid(M Tech)	19,20,000.00		
Orientation & College Day Exp.	7,40,113.00		
Telephone Charges	41,406.00		
Testing Expenses	3,46,275.00		
Training & Soft Skills Exp.	40,91,500.00		
Travel Expenses	7,73,011.00		
Vehicles Maintenance	19,20,079.00		
Depreciation	2,78,67,555.00		
Excess of Income over Expenditure	2,91,09,372.07		
	22,40,78,897.00		22,40,78,897.00

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT
Membership No: 002119

G PULLA REDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)

BALANCE SHEET AS AT   31.03.2013

LIABILITIES		Amount Rs.	ASSETS		Amount Rs.
Capital Fund :		32,36,26,340.45	Fixed Assets (As per Shedule)		16,67,04,354.00
Opening Balance	29,45,16,968.38		Block "A" (10 %)	13,10,96,592.00	
Net Income	2,91,09,372.07		Block "B" (15 %)	2,69,40,508.00	
			Block "C" (60 %)	86,67,254.00	
Caution Deposit		49,09,385.25	G Pulla Reddy Charities Trust		2,63,33,743.50
ITPP Funds(T&P)		1,21,75,247.00	Fixed Deposits		11,86,97,366.00
Ear marked Funds		13,57,734.00	Cash At Banks		2,41,15,250.25
AICTE Capital Grants		37,65,000.00	Electrical Deposit		6,05,680.00
Gratuity Payable		1,63,814.00	Advances		2,78,733.00
			Bills Receivable		62,393.95
			GPR Dental College,knl		92,00,000.00
		34,59,97,520.70			34,59,97,520.70

SECRETARY
SECRETARY
G Pulla Reddy Engineering College
KURNOOL,

CHARTERED ACCOUNTANT
Membership No: 002119

G PULLA REDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
BALANCE SHEET AS AT   31.03.2014

LIABILITIES		Amount Rs.	ASSETS		Amount Rs.
Capital Fund :		37,54,73,264.71	Fixed Assets (As per Shedule)		21,41,82,782.00
Opening Balance	32,36,26,340.45		Block "A"(10 %)	17,46,08,595.00	
Net Income	5,18,46,924.26		Block "B"(15 %)	3,33,70,366.00	
			Block "C"(60 %)	59,65,276.00	
Caution Deposit		38,79,082.25	Block "D"(80 %)	2,38,545.00	
INTENSIVE TRAINING AND PLACEMENT PROGRAMME FUNDS (ITPP)		1,18,76,447.00	G Pulla Reddy Charities Trust		2,73,31,365.50
Ear marked Funds		15,57,734.00	Fixed Deposits		11,33,53,664.00
Capital Grants		42,85,000.00	Cash At Banks		3,29,25,321.51
Gratuity Payable		4,85,425.00	Electrical Deposit		6,05,680.00
SKYFY Labs, Bangalore		5,05,200.00	Advances		3,78,168.00
			Bills Receivable		85,171.95
			GPR Dental College,knl		92,00,000.00
		39,80,62,152.96			39,80,62,152.96

SECRETARY
SECRETARY
G Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT

CA. K. SUBRAHMANYAM

B.Com., F.C.A.,

CHARTERED ACCOUNTANT

64-2A, Fort, KURNOOL -518.001.
☎ : Offi : (08518) 244344, 245290
Resi : (08518) 220170
Cell : 98498 48047
e-mail : kasturiphani@hotmail.com
Alternate ID : kasturiphani@yahoo.com

Date :

Independent Auditor's Report

Report on the Financial Statements

I have audited accompanying Financial Statements of **G PULLAREDDY ENGINEERING COLLEGE, KURNOOL** (A Unit of G Pulla Reddy Charities Trust, Hyderabad) which comprise the Balance Sheet as at 31st March, 2014 and Income & Expenditure Account for the year then ended and summary of the Accounting Policies and other explanatory information.

Management Responsibility

The Entity's Management is responsible for the preparation of these Financial Statements in accordance with Generally Accepted Accounting Principles of India. The responsibility includes the design, implementation and maintenance of the internal controls relevant for the preparation and presentation of the Financial Statements that give true and fair view and are free from the material misstatements whether due to fraud or error.

Auditors Responsibility

My responsibility is to express an opinion on these Financial Statements based on my audit. I conducted my audit in accordance with Standards on Auditing issued by the Institute of Chartered Accountants of India which are generally accepted in India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Financial Statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the Financial Statements.

I believe that the audit evidence obtained is sufficient and appropriate to provide a reasonable basis for my opinion.

Opinion

In my opinion and to the best of our information and according to the explanations given to us, the Financial Statements of G PULLAREDDY ENGINEERING COLLEGE, KURNOOL for the year ended 31st March, 2014 are prepared, in all material respects, in accordance with the Generally Accepted Accounting Principles(GAAP) of India.

CHARTERED ACCOUNTANT
Membership No: 002119

Kurnool, Dated 26th Day of August, 2014

G PULLAREDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 01-04-2013 TO 31.03-2014

RECEIPTS	Amount Rs.	PAYMENTS	Amount Rs.
Opening Balances :			
Bank Accounts	2,41,15,250.25	Block "A"(Build'sFans,Furniture, etc.)	6,15,74,886.00
		Block "B"(Lab Equip,Vehicles etc)	1,15,06,647.00
Ear Marked Funds	2,00,000.00	Block "C"(Computers,Books etc.)	55,10,625.00
AICTE Capital Grants	5,20,000.00	Block "D"(Solor Equipment)	3,97,575.00
Bills Payable	8,26,811.00	Caution Deposit	10,30,303.00
Fixed Deposits	37,63,73,760.00	Advances	99,435.00
		Intensive Training and Placement Programme Funds(ITPP)	2,98,800.00
AICTE Revenue Grants	2,00,000.00	Bills Receivable	22,778.00
Application Fee	8,42,000.00	G.Pulla Reddy Charities Trust	9,97,622.00
Exam Conduting Receipts	7,76,701.00	Fixed Deposits	37,10,30,058.00
Exam Fee	76,86,575.00		
Fines a/c	2,94,888.00	Staff Salaries	12,80,48,700.00
Interest Received	88,10,761.00	Advertisement	2,37,720.00
Misc. Receipts a/c	9,77,103.76	Bank Charges	40,788.50
NSS Grants	31,000.00	Broad Band Charges	5,54,825.00
Rent & Electrical Charges rec.	3,57,638.00	Building Maintenance	80,14,010.00
Sale of Bus Coupons	44,20,500.00	Exam Conducting&Valuation Exp	53,22,772.00
Special Fee	2,07,94,530.00	Generator Maintenance	7,81,313.00
Testing Charges (Income)	17,18,680.00	HT Electrical Charges	44,75,458.00
Tuition Fee	20,13,78,066.00	Inspection Fee & Other Exp.	1,77,485.00
UGC Grants	1,10,000.00	Insurance Paid	11,11,581.00
Intensive Training and Placement Programme (ITPP)	28,74,000.00	JNTUA Expenses	1,08,000.00
		Labs & Departments Maintenance	14,73,015.00
		Legal Expenses	1,45,000.00
		Library Maintenance&Subscriptions	15,31,620.00
		Misc. Expenses	5,68,440.00
		NSS Expenses	25,925.00
		Placement Expenses	3,60,355.00
		Postage	15,356.00
		Printing & Stationery	8,65,029.00
		Profession Tax (College)	2,500.00
		Security Maintenance	6,80,621.00
		Seminars & Meetings	6,62,723.00
		Sports & Games Expenses	82,361.00
		Staff Welfare & Medical Aid	3,90,199.00
		Stipend Paid(M Tech)	34,08,000.00
		Students Expenses	25,810.00
		Telephone Charges	49,772.00
		Testing Expenses	11,08,673.00
		Training & Soft Skills Exp.	31,94,880.00
		Travel Expenses	4,33,771.00
		UCSF PAID	19,79,800.00
		Vehicles Maintenance	20,37,711.00
		Closing Balances :	
		Bank Accounts	3,29,25,321.51
	65,33,08,264.01		65,33,08,264.01

SECRETARY
SECRETARY
G. Pulla Reddy Engineering College
KURNOOL

CHARTERED ACCOUNTANT

CA. K. SUBRAHMANYAM

B.Com., F.C.A.,

CHARTERED ACCOUNTANT

64-2A, Fort, KURNOOL -518.001.
☎ : Offi : (08518) 244344, 245290
Resi : (08518) 220170
Cell : 98498 48047
e-mail : kasturiphani@hotmail.com
Alternate ID : kasturiphani@yahoo.com

Date :

Independent Auditor's Report

Report on the Financial Statements

I have audited accompanying Financial Statements of **G PULLAREDDY ENGINEERING COLLEGE, KURNOOL** (A Unit of G Pulla Reddy Charities Trust, Hyderabad) which comprise the Balance Sheet as at 31st March, 2014 and Income & Expenditure Account for the year then ended and summary of the Accounting Policies and other explanatory information.

Management Responsibility

The Entity's Management is responsible for the preparation of these Financial Statements in accordance with Generally Accepted Accounting Principles of India. The responsibility includes the design, implementation and maintenance of the internal controls relevant for the preparation and presentation of the Financial Statements that give true and fair view and are free from the material misstatements whether due to fraud or error.

Auditors Responsibility

My responsibility is to express an opinion on these Financial Statements based on my audit. I conducted my audit in accordance with Standards on Auditing issued by the Institute of Chartered Accountants of India which are generally accepted in India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Financial Statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the Financial Statements.

I believe that the audit evidence obtained is sufficient and appropriate to provide a reasonable basis for my opinion.

Opinion

In my opinion and to the best of our information and according to the explanations given to us, the Financial Statements of G PULLAREDDY ENGINEERING COLLEGE, KURNOOL for the year ended 31st March, 2014 are prepared, in all material respects, in accordance with the Generally Accepted Accounting Principles(GAAP) of India.

CHARTERED ACCOUNTANT
Membership No: 002119

Kurnool, Dated 26th Day of August, 2014

G PULLAREDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 01-04-2013 TO 31.03-2014

RECEIPTS	Amount Rs.	PAYMENTS	Amount Rs.
Opening Balances :			
Bank Accounts	2,41,15,250.25	Block "A"(Build'sFans,Furniture, etc.)	6,15,74,886.00
		Block "B"(Lab Equip,Vehicles etc)	1,15,06,647.00
Ear Marked Funds	2,00,000.00	Block "C"(Computers,Books etc.)	55,10,625.00
AICTE Capital Grants	5,20,000.00	Block "D"(Solor Equipment)	3,97,575.00
Bills Payable	8,26,811.00	Caution Deposit	10,30,303.00
Fixed Deposits	37,63,73,760.00	Advances	99,435.00
		Intensive Training and Placement Programme Funds(ITPP)	2,98,800.00
AICTE Revenue Grants	2,00,000.00	Bills Receivable	22,778.00
Application Fee	8,42,000.00	G.Pulla Reddy Charities Trust	9,97,622.00
Exam Conduting Receipts	7,76,701.00	Fixed Deposits	37,10,30,058.00
Exam Fee	76,86,575.00		
Fines a/c	2,94,888.00	Staff Salaries	12,80,48,700.00
Interest Received	88,10,761.00	Advertisement	2,37,720.00
Misc. Receipts a/c	9,77,103.76	Bank Charges	40,788.50
NSS Grants	31,000.00	Broad Band Charges	5,54,825.00
Rent & Electrical Charges rec.	3,57,638.00	Building Maintenance	80,14,010.00
Sale of Bus Coupons	44,20,500.00	Exam Conducting&Valuation Exp	53,22,772.00
Special Fee	2,07,94,530.00	Generator Maintenance	7,81,313.00
Testing Charges (Income)	17,18,680.00	HT Electrical Charges	44,75,458.00
Tuition Fee	20,13,78,066.00	Inspection Fee & Other Exp.	1,77,485.00
UGC Grants	1,10,000.00	Insurance Paid	11,11,581.00
Intensive Training and Placement Programme (ITPP)	28,74,000.00	JNTUA Expenses	1,08,000.00
		Labs & Departments Maintenance	14,73,015.00
		Legal Expenses	1,45,000.00
		Library Maintenance&Subscriptions	15,31,620.00
		Misc. Expenses	5,68,440.00
		NSS Expenses	25,925.00
		Placement Expenses	3,60,355.00
		Postage	15,356.00
		Printing & Stationery	8,65,029.00
		Profession Tax (College)	2,500.00
		Security Maintenance	6,80,621.00
		Seminars & Meetings	6,62,723.00
		Sports & Games Expenses	82,361.00
		Staff Welfare & Medical Aid	3,90,199.00
		Stipend Paid(M Tech)	34,08,000.00
		Students Expenses	25,810.00
		Telephone Charges	49,772.00
		Testing Expenses	11,08,673.00
		Training & Soft Skills Exp.	31,94,880.00
		Travel Expenses	4,33,771.00
		UCSF PAID	19,79,800.00
		Vehicles Maintenance	20,37,711.00
		Closing Balances :	
		Bank Accounts	3,29,25,321.51
	65,33,08,264.01		**65,33,08,264.01**

SECRETARY
SECRETARY
G. Pulla Reddy Engineering College
KURNOOL

CHARTERED ACCOUNTANT

G PULLAREDDY ENGINEERING COLLEGE: KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31.03.2014

EXPENDITURE	Amount Rs.	INCOME	Amount Rs.
Staff Salaries	12,80,48,700.00	Application Fee	8,42,000.00
Advertisement	2,37,720.00	Exam Conduting Receipts	7,76,701.00
UCSF Paid	19,79,800.00	Exam Fee	76,86,575.00
Bank Charges	40,788.50	Fines	2,94,888.00
Broad Band Charges	5,54,825.00	Interest Received	88,10,761.00
Building Maintenance	80,14,010.00	Misc. Receipts	9,77,103.76
Exam Conducting&Valuation Exp	53,22,772.00	Rent & Electrical Charges	3,57,638.00
Generator Maintenance	7,81,313.00	Sale of Bus Coupons	44,20,500.00
HT Electrical Charges	44,75,458.00	Special Fee	2,07,94,530.00
Inspection Fee & Other Exp.	1,77,485.00	Testing Income	17,18,680.00
Insurance Paid	11,11,581.00	Tuition Fee	20,13,78,066.00
JNTUA Expenses	1,08,000.00	UGC Grants	1,10,000.00
Labs & Departments Maint	14,73,015.00	NSS Grants	31,000.00
Legal Expenses	1,45,000.00	AICTE Revenue Grants	2,00,000.00
Library Maint.&Subscriptions	15,31,620.00	ITPP Receipts	28,74,000.00
Misc. Expenses	5,68,440.00	(INTENSIVE TRAINING AND PLACEMENT PROGRAMME)	
Placement Expenses	3,60,355.00		
Postage	15,356.00		
Printing & Stationery	8,65,029.00		
Profession Tax (College)	2,500.00		
Security Maintenance	6,80,621.00		
Seminars & Meetings	6,62,723.00		
NSS Camp Expenses	25,925.00		
Sports & Games Expenses	82,361.00		
Staff Welfare & Medical Aid	3,90,199.00		
Stipend Paid(M Tech)	34,08,000.00		
Students Expenses	25,810.00		
Telephone Charges	49,772.00		
Testing Expenses	11,08,673.00		
Training & Soft Skills Exp.	31,94,880.00		
Travel Expenses	4,33,771.00		
Vehicles Maintenance	20,37,711.00		
Depreciation	3,15,11,305.00		
Excess of Income over Expenditure	5,18,46,924.26		
	25,12,72,442.76		25,12,72,442.76

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT

G PULLA REDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
BALANCE SHEET AS AT   31.03.2014

LIABILITIES		Amount Rs.	ASSETS		Amount Rs.
Capital Fund :		37,54,73,264.71	Fixed Assets (As per Shedule)		21,41,82,782.00
Opening Balance	32,36,26,340.45		Block "A"(10 %)	17,46,08,595.00	
Net Income	5,18,46,924.26		Block "B"(15 %)	3,33,70,366.00	
			Block "C"(60 %)	59,65,276.00	
Caution Deposit		38,79,082.25	Block "D"(80 %)	2,38,545.00	
INTENSIVE TRAINING AND PLACEMENT PROGRAMME FUNDS (ITPP)		1,18,76,447.00	G Pulla Reddy Charities Trust		2,73,31,365.50
Ear marked Funds		15,57,734.00	Fixed Deposits		11,33,53,664.00
Capital Grants		42,85,000.00	Cash At Banks		3,29,25,321.51
Gratuity Payable		4,85,425.00	Electrical Deposit		6,05,680.00
SKYFY Labs, Bangalore		5,05,200.00	Advances		3,78,168.00
			Bills Receivable		85,171.95
			GPR Dental College,knl		92,00,000.00
		39,80,62,152.96			39,80,62,152.96

SECRETARY
SECRETARY
G Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT

CA. K. PHANEENDRA RAO
B.Com., F.C.A., D.I.S.A. (iCA)

CHARTERED ACCOUNTANT

64-2A, Fort, KURNOOL - 518 001;
☎ : Offi : (08518) 244344, 245290
Resi : (08518) 220170
Cell : 98498 48047
e-mail : kasturiphani@hotmail.com
Alternate ID : chasekasturiphani@gmail.com

Date :

Independent Auditor's Report

To the Board of Trustees of G Pulla Reddy Charities Trust

Report on the Financial Statements

I have audited accompanying Financial Statements of **G PULLAREDDY ENGINEERING COLLEGE, KURNOOL** (A Unit of G Pulla Reddy Charities Trust, Hyderabad) which comprise the Balance Sheet as at 31st March, 2015 and Income & Expenditure Account for the year then ended and summary of the Accounting Policies and other explanatory information.

Management Responsibility

The Entity's Management is responsible for the preparation of these Financial Statements in accordance with Generally Accepted Accounting Principles of India. The responsibility includes the design, implementation and maintenance of the internal controls relevant for the preparation and presentation of the Financial Statements that give true and fair view and are free from the material misstatements whether due to fraud or error.

Auditors Responsibility

My responsibility is to express an opinion on these Financial Statements based on my audit. I conducted my audit in accordance with Standards on Auditing issued by the Institute of Chartered Accountants of India which are generally accepted in India. Those Standards require that I comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Financial Statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Financial Statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the Financial Statements.

I believe that the audit evidence obtained is sufficient and appropriate to provide a reasonable basis for my opinion.

Opinion

In my opinion and to the best of my information and according to the explanations given to me, the Financial Statements of G PULLAREDDY ENGINEERING COLLEGE, KURNOOL for the year ended 31st March, 2015 give true and fair view in conformity with the accounting Principles generally accepted in India:

a) In the case of Balance Sheet, of the State of affairs of the Entity as at 31st March, 2015;
b) in the case of Income and Expenditure Account, of the surplus for the year ended as on that date

CHARTERED ACCOUNTANT
Membership No: 211038
PAN: AERPK 3268

Kurnool, Dated 29th Day of September, 2015

G PULLAREDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 01-04-2014 TO 31.03-2015

RECEIPTS	Amount Rs.	PAYMENTS	Amount Rs.
Opening Balances :			
Bank Accounts	3,29,25,321.51	Block "A"(Build'sFans,Furniture, etc.)	1,38,85,041.00
		Block "B"(Lab Equip,Vehicles etc)	1,19,86,675.00
Ear Marked Funds	82,266.00	Block "C"(Computers,Books etc.)	53,54,567.00
Bills Receivable	69,671.00	Block "D"(Solor Equipment)	63,15,404.00
Advances	1,30,475.00	Caution Deposit	4,63,664.00
Fixed Deposits	38,60,69,380.00	G.Pulla Reddy Charities Trust	32,43,907.00
Intensive Training and Placement Programme (ITPP)	43,99,918.00	Intensive Training and Placement Programme (ITPP)	45,16,680.00
Skyfy Education labs Pvt Ltd.,	9,78,300.00	Skyfy Education labs Pvt Ltd.,	14,83,500.00
		Fixed Deposits	42,27,56,329.00
Application Fee	4,61,000.00	Gratuity Payable	4,85,425.00
Exam Conduting Receipts	17,51,889.00		
Exam Fee	1,43,68,350.00	Staff Salaries	15,39,17,981.00
Fines a/c	3,70,492.00	Advertisement	2,40,125.00
Interest Received	1,27,69,554.00	AICTE Expenses	3,00,000.00
Misc. Receipts a/c	4,55,118.00	Bank Charges	29,516.25
NSS Grants	10,500.00	Broad Band Charges	5,64,494.00
Rent & Electrical Charges rec.	4,65,217.00	Building Maintenance	21,82,365.00
Sale of Bus Coupons	41,56,700.00	Chief Minister Relief Fund	2,25,000.00
Special Fee	1,31,21,829.00	College Day Exp(Thrimshathi Exp.)	33,77,804.25
Testing Charges (Income)	14,37,157.00	Exam Conducting&Valuation Exp	48,59,363.00
Tuition Fee	21,86,52,997.00	Generator Maintenance	6,52,298.00
UGC Grants	19,78,160.00	HT Electrical Charges	47,58,480.00
		Inspection Fee & Audit Expenses	19,540.00
		Insurance Paid	10,57,265.00
		JNTUA Expenses	16,660.00
		Labs & Departments Maintenance	12,68,643.43
		Legal Expenses	3,41,000.00
		Library Maintenance&Subscriptions	17,39,453.00
		Misc. Expenses	9,96,546.00
		NSS Expenses	14,575.00
		Placement Expenses	9,55,116.00
		Printing & Stationery	15,74,278.00
		Profession Tax (College)	2,500.00
		Security Maintenance	6,94,243.00
		Seminars & Meetings	15,37,788.00
		Service Tax Paid	87,999.00
		Staff Incentives & Medical Aid	12,94,341.00
		Students Expenses	13,46,788.00
		Telephone Charges	47,063.00
		Testing Expenses	6,29,641.00
		Training & Soft Skills Exp.	12,18,803.00
		Travel Expenses	5,33,559.00
		Uiversity Comon Services Fee (UCSF)	8,70,000.00
		Vehicles Maintenance	25,11,396.00
		Closing Balances :	
		Bank Accounts	3,42,98,478.58
	69,46,54,294.51		69,46,54,294.51

SECRETARY
G. Pulla Reddy Engineering College
SECRETARY
KURNOOL.

Chartered
Accountant
Kurnool

CHARTERED ACCOUNTANT
Membership No: 211038

G PULLAREDDY ENGINEERING COLLEGE: KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31.03.2015

EXPENDITURE	Amount Rs.	INCOME	Amount Rs.
Staff Salaries	15,39,17,981.00	Application Fee	4,61,000.00
Advertisement	2,40,125.00	Exam Conduting Receipts	17,51,889.00
AICTE Expenses	3,00,000.00	Exam Fee	1,43,68,350.00
Bank Charges	29,516.25	Fines	3,70,492.00
Broad Band Charges	5,64,494.00	Interest Received	1,27,69,554.00
Building Maintenance	21,82,365.00	Misc. Receipts	4,55,118.00
Chief Minister Relief Fund	2,25,000.00	NSS Grants	10,500.00
College Day Exp(Thrimshathi Exp)	33,77,804.25	Rent & Electrical Charges	4,65,217.00
Exam Conducting&Valuation Exp	48,59,363.00	Sale of Bus Coupons	41,56,700.00
Generator Maintenance	6,52,298.00	Special Fee	1,31,21,829.00
HT Electrical Charges	47,58,480.00	Testing Income	14,37,157.00
Inspection Fee & Other Exp.	19,540.00	Tuition Fee	21,86,52,997.00
Insurance Paid	10,57,265.00	UGC Grants	19,78,160.00
JNTUA Expenses	16,660.00		
Labs & Departments Maint	12,68,643.43		
Legal Expenses	3,41,000.00		
Library Maint.&Subscriptions	17,39,453.00		
Misc. Expenses	9,96,546.00		
NSS Camp Expenses	14,575.00		
Placement Expenses	9,55,116.00		
Printing & Stationery	15,74,278.00		
Profession Tax (College)	2,500.00		
Security Maintenance	6,94,243.00		
Seminars & Meetings	15,37,788.00		
Service Tax Paid	87,999.00		
Staff Welfare & Medical Aid	12,94,341.00		
Students Expenses	13,46,788.00		
Telephone Charges	47,063.00		
Testing Expenses	6,29,641.00		
Training & Soft Skills Exp.	12,18,803.00		
Travel Expenses	5,33,559.00		
University Comon Services Fee(UCSF)	8,70,000.00		
Vehicles Maintenance	25,11,396.00		
Depreciation	3,27,90,937.00		
Excess of Income over Expenditure	4,73,43,402.07		
	26,99,98,963.00		26,99,98,963.00

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT
Membership No: 211038

G PULLA REDDY ENGINEERING COLLEGE : KURNOOL.
(A Unit of G.Pulla Reddy Charities Trust , Hyderabad)
BALANCE SHEET AS AT   31.03.2015

LIABILITIES		Amount Rs.	ASSETS		Amount Rs.
Capital Fund :		42,28,16,666.78	Fixed Assets (As per Shedule)		21,89,33,532.00
Opening Balance	37,54,73,264.71		Block "A"(10 %)	17,03,20,743.00	
Net Income	4,73,43,402.07		Block "B"(15 %)	3,92,22,388.00	
			Block "C"(60 %)	56,40,214.00	
Caution Deposit		34,15,418.25	Block "D"(80 %)	37,50,187.00	
Intensive Training and Placement Programme (ITPP)		1,17,59,685.00	G Pulla Reddy Charities Trust		3,05,75,272.50
Ear Marked Funds		16,40,000.00	Fixed Deposits		15,00,40,613.00
Capital Grants		42,85,000.00	Cash At Banks		3,42,98,478.58
			Electrical Deposit		6,05,680.00
			Advances		2,47,693.00
			Bills Receivable		15,500.95
			GPR Dental College,knl		92,00,000.00
		44,39,16,770.03			44,39,16,770.03

SECRETARY
G. Pulla Reddy Engineering College
KURNOOL.

CHARTERED ACCOUNTANT

Membership No: 211038