PREFACE

GRIET has emerged in the year 1997, sponsored by G.R.Educational Society with excellent academic track record. This Institution is recognized by AICTE, approved by Govt. of Andhra Pradesh and permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, an Autonomous Institute since 2011, awarded with Sections 2(f) and 12 (B) from UGC.

We are offering 8 UG Programmes in Engineering, viz, Electronics & Communications Engineering (ECE), Electrical and Electronic Engineering (EEE), Mechanical Engineering (ME), Computer Science Engineering (CSE), Information Technology (IT), Bio-Medical Engg.(BME), Bio-Technology (Bio-Tech) and Civil Engineering (CE); 6 PG Programmes in Engineering, viz., M.Tech (Power Electronics), M.Tech (Design for Manufacturing), M.Tech(CSE), M.Tech (SE), M.Tech (VLSI), M.Tech (Embedded Systems), and 2 Professional Courses in MCA and MBA.

This Institution stands as first largest Engineering College in the State with regards to the sanctioned intake of Students and also has the distinction of being one among the Top 10 Ranking and reckoning Institutes of choice and preference of the aspiring students.

With 14 years of standing and having achieved Accreditation by National Board of Accreditation (NBA) of AICTE, New Delhi and permanent Affiliation by Jawaharlal Nehru Technological University (JNTU), Hyderabad, Autonomous Institute since 2011, awarded with Sections 2(f) and 12 (B) from UGC we are in the process of sending a proposal to UGC with a request for grant of Deemed to be University/Private University status to GRIET.

In continuation of this office letter vide reference cited above, we are now submitting herewith **5 sets of Self-Study-Report (SSR)** in the prescribed format along with the essential documents and enclosures and **one soft copy (CD),** as required by NAAC.

Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous)

Kukatpally, Hyderabad – 500 090, A.P., India. (040) 6586 4440

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

SELF-STUDY REPORT FOR AUTONOMOUS COLLEGES

APPENDICES

Executive Summary Inclusive of the SWOC Analysis of the Institute

Criterion I: Curricular Aspects - GRIET, is permanently affiliated to JNTUH and it is an Autonomous Institute since 2011. The GRIET takes up revision and updating of the Syllabus once in two years and thus we have freedom in the curricula design and development for the Ist and IInd year of B.Tech, M.Tech., MBA & MCA Courses. GRIET has a mechanism in place to collect feedback on curriculum from all the stakeholders on its adequacy and relevance. Based on the said feedback we submit proposals to Board of Studies, Academic Council and JNTUH, for considering review and revision of syllabus. TEQIP-II has granted funds for GRIET. Recently GRIET was awarded with Sections 2(f) and 12 (B) of UGC Act of 1956.

The academic flexibility offered at GRIET: (1) Allows extensive use of internet groups and offering a 24x7 learning flexibility (2) Diploma holders admitted directly into B.Tech., 2nd year are permitted to attend 1st year classes, arranged beyond the college-hours. (3) Access to Library and Computer centre with internet facility beyond the college hours and on holidays, providing flexible learning opportunities. (4) All the B.Tech., final year students can choose one elective out of the three and opt for more than one elective. (5) The MBA Students have the option to choose one out of various specializations. We are implementing the best practices in Curricular Aspects, such as arranging technical and soft-skill improvement programmes and self-learning and group-learning opportunities coupled with value addition.

Criterion II: Teaching – Learning and Evaluation - Admission of students into various courses are made, strictly adhering to the directions issued under relevant GOs and approval of the APSCHE while ensuring transparency.

Based on the merit ranks of the admitted students, the knowledge gaps of slow and advanced learners, and the needs of the other differently–abled students will be identified and accordingly suitable measures are initiated to bridge the said gaps. There is an effective, two-tiered student counseling mechanism in all matters related to improved learning and attitudinal development. The Institution plans and organises the teaching-learning and evaluation programmes, adhering to academic schedules laid down by GRIET and JNTUH. Preparation of academic calendars, setting out various academic activities and evaluation processes and based on the above, course, subject and lesson plans are prepared and supplied to the students. We make provision for tutorial slots, guest-lectures, seminars and workshops. We implement, innovative, learner-centric, Teaching Learning processes. We made available adequate infrastructural facilities and learning resources, faculty counseling and interaction with parents. The Institution follows the policy of free impartial feedback by students on faculty performance. Faculty and staff development programmes are implemented for improved performance. We have very effective faculty selection and recruitment policies in place. The College has sufficient number of qualified Faculty. During the last five years, our faculty have achieved recognitions, awards and rewards for their academic contribution and many of them have been guiding Ph.D., and M.Phil. Scholars. Evaluation methods are communicated through Hand books. Institute organizes the Orientation Programmes for Students to explain the evaluation process. The institute conducts tests in objective and descriptive formats, monitor period-wise attendance. The performance of the students is informed to the parents. A grievance-redressal cell, headed by a senior faculty, is constituted to address the grievances of students. Ours being an Autonomous and Affiliated College to JNTUH and, we implement all the evaluation reforms, brought out by GRIET and JNTUH. The Institute adheres to the Best practices in teaching, learning and evaluation process. GRIET has been granted with TEQIP-II funds for improving the teaching, learning and evaluation process.

Criterion III: Research, Consultancy and Extension - GRIET is committed to academic and applied research. It has constituted a Research Committee headed by Dean (Research). An amount of Rs……. lakhs seed-grant is accorded by the Management for its Research Activities. The Institute fully supports, encourages and provides facilities to the Faculty to undertake Research work. Expenses incurred for Paper-Presentation in National and International Seminars and Workshops for Staff and Students are reimbursed. The Institute supports Students in Research Activities by way of Project-works, organizing Conferences, funding Students to attend Student Meets and Workshops. The Institute developed a major research facility in the form of the availability of VLSI, Embedded Systems, Power Electronics, CSE, SE and Design for Manufacturing Labs, etc. Professors of GRIET are guiding quite a good number of Ph.D. Scholars and M.Phil., Scholars and ….. of the above Scholars were awarded Ph.D., and ….. were awarded M.Phil. A total number of ….. Journal Papers, …. Abstracts, …. Books and …… Monographs are published by faculty members during last five years. The Institute has undertaken ….. consultancy projects and ….. collaborative arrangements in the areas of ……… ………. . GRIET has adopted neighbouring villages as part of extension programme by providing computer literacy, health services and self employment training. The Institution organizes regular Seminars and Conferences at National and International level. GRIET has been granted with TEQIP-II funds for improving the research facilities.

Criterion IV: Infrastructure and Learning Resources - GRIET has ample infrastructure consisting of classrooms, Labs, Staff rooms, Office, exclusive restroom for female staff, Playgrounds and Separate hostel for Boys (……Beds) and Girls (….. Beds). There is an Infrastructure Maintenance Committee to take care of it. GRIET provides common facilities of Faculty/staff-room, Common-room for students, Rest-rooms, Health-Centre, Vehicle parking, Guest house, Canteen, Telephone, Internet-Café, Transport and drinking water to all. The Library of this College has ……… volumes and separate facilities of Reading Room, Reference Section and Internet Computer Terminal. There is facility of

Book Bank providing all prescribed Text books to every member student. Library Management is part of CMS software system which provides in campus and out campus access (Through College Website) to list of books and book reservations. GRIET Library is member of Digital IEEE subscription and DELNET. There is exclusive reprography and Journal section in the Library. Library has easy access to physically Challenged members. GRIET is having a Central Computer Facility consisting of ………….. computer terminal with the facility of Internet on select terminals. This is available to all the staff and students well beyond college hours. There are ………. other computer labs in various departments making a total of ……… computer terminals in GRIET. Apart from computers modern teaching infrastructure in the form of LCD projectors, E-Class Room with TV and DVD Players is available with every Department. One Air Conditioned auditorium with a capacity of 300 and an Air Conditioned Conference Room with a capacity of 60 is also available. College website (www.griet.ac.in) is based on a Content Management System and is used for Library, Student Information and Calendering along with regular Web Information Delivery. Institute spends annually over Rs…………. lakhs on Computer Infrastructure of Hardware and Software. GRIET provides English Communication Laboratories and Skill development courses through computers to make student employable. GRIET being a professional Institution, is member of Professional bodies like IEEE, IETE, CSI, ……….. Regular guest lectures, conferences and Symposium are organized in collaboration with these societies. GRIET has a Training & Placement Cell to provide training and guidance to students. As GRIET students come in Majority through State wide Competition EAMCET, its student profile is governed by rules of State Govt. Over 40% students belong to weaker section. With proper Education and Training over 60% students get immediate employment, while 30% students go for higher studies in India and Abroad. Around 5% students prefer to become entrepreneurs. GRIET Placement Cell helps students to find suitable employment.

Criterion V: Student Support and Progression - Institute offers many facilities to students along with the various State Govt. and Local Body agencies like subsidized transport, Scholarships and Book bank scheme. Students are encouraged to participate in co-curricular and extracurricular activities. GRIET consists of playground with separate section for various games like Shuttle Badminton and Volleyball. Indoor Facilities for Table Tennis and Carom are also available. JBIET Students publish their own monthly bulletin with the name "………". There is a Student Activity Centre to co-ordinate all student efforts. College publishes one Annual Magazine " ………………" showcasing student's talents.

Criterion VI: Governance, Leadership and Management - GRIET is led by Principal, collectively with the help of Deans, HODs, and various functional heads. There is complete delegation of authority and responsibilities in GRIET and administration is done through committees. Planning in GRIET is collective "Bottom to Top" process. Requirements are gathered at functioning level and assessed and forwarded to administrative level. This results in a plan reflecting actual requirements. It is guided by vision and mission and willingness to fund any developmental expenditure by the Management. The Planning process is helped by an efficient CMS Software system which provides access to integrated data and can be used to disseminate information. GRIET constantly tries to innovate teaching and learning process by using modern technology, training methods and human resource planning. Students are given exposure to a competitive and professional environment. The teaching and learning process is controlled by mechanism of detailed time tabling of teachers and resources, feedback taken from students in every semester, self assessment by faculty members and assessment by Heads and Principal. Quality of Teaching and learning process is further augmented by Trainings, Faculty Development Programme, Student workshop and Conferences, various research related events. GRIET constantly tries to incorporate student centric learning by using various group learning mechanism of "Interactive Design and Delivery System" and "Outcome Based Education System". Institute provides additional help to the students who need it and additional impetus to students who deserve it. It is ensured that education remains practical with emphasis on hands-on training. GRIET management has shown great commitment by providing enough funds to provide laboratories, libraries and classrooms equipped with modern technologies. They have supported all the steps taken by GRIET to further improve teaching and learning process, by providing funds and for various training courses, research activities, guest lectures, and organization of National / International Conferences. GRIET is not aided or funded by State or Central Govt. Total year wise collection of fees is mentioned in para ……. No donation is charged from students at JBIET and all generated resources are kept for its disposal. Responsibilities of each faculty member are well defined and well informed. A copy of GRIET rules and regulation is available to the faculty and in the Library and on website to advise all concerned about responsibilities and privileges of being a GRIET employee. The Recruitment process in GRIET is transparent and fair. The management has adopted a performance based increment policy which gives performance points to faculty members who involve in institutional developmental activities along with performance points for Teaching and Student Feedback. GRIET organizes Faculty Development Programme every year with the support of all the departments. It is generally organized with external help from ISTE, IEEE and CSI.

Criterion VII : Innovations and Best Practices - Institution provides value added courses and trainings to students to improve their quality. These includes but not limited to the training given for GRE/ GMAT/GATE, English Language Proficiency, Training for Campus Placement etc. The Department of Placement & Training looks after these activities in association with Departments. Apart from this Students are trained in association with external agencies for doing Projects. GRIET has signed MOUs with ………………….. GRIET is committed to social justice and social upliftment for rural, socially backward, economically weaker and Differently-abled students. There are reservations in place for these groups as per the G.Os. Special Training is provided on demand basis to these students to bring them on equal footing to other students. GRIET has generated goodwill in community due to its adherence to good policies. It resulted in an environment of excellence which attracts students and stakeholders to GRIET. GRIET believes in permanent bonding among its all stakeholders by fulfilling their aspiration and satisfying their needs.

SWOC Analysis of the Institute - ……………………………………………………………………….

(To be filled by the Principal similar to SWOT from TEQIP)

Summary of the SWOC Analysis:

- **Strengths of the Institute**, itemized category-wise

  - ***Talented student community guided by competent and dedicated faculty with a proven track record of creditable performances:***
    - Consistent academic record of 85 to 90% passes, with 65 to 70% securing First Class (60% aggregate marks) or more
    - Six University First ranks secured by students during 2008, 2009 and 2010 Degree examinations
    - College website, Campus Networking System (GCAP) and e-magazine (GEMS) created and maintained by Students
    - Students having demonstrated skills in organizing national-level and local events like Pragnya, Pulse, Robotics, Annual Day, Spices, Quizzicals, Rhythms and Graduation Day
    - Full complement of faculty of qualifications and experience meeting or exceeding AICTE norms.
    - Strong bonding of faculty with Institute due to congenial working conditions (<12% annual attrition rate).
    - With the support of competent faculty, increase in graduate enrollments.
    - Conferences are organized every year to achieve international recognition.
    - Quite number of our research activities have achieved national or international recognition.
    - Resources available to carry the research work.

  - ***Student-friendly Teaching-Learning Practices oriented towards improving learning outcomes (implemented over and above the curriculum prescribed by the parent University):***
    - Teaching methodology heavily biased towards practical work, considerably exceeding the norms of affiliating university
    - Bridge Courses for newly admitted students before start of regular instruction
    - Certification Courses (SCJP, CCNA, Oracle) to sharpen the skills both for the students and faculty.
    - In-house projects designing and providing appropriate training.
    - Encouraging students to take up research oriented tasks.
    - Preparing students to face the challenges at the campus placements by providing training at Softskills and also technical skills.
    - Guiding students for competitive examinations (GATE, GMAT, GRE...)
    - Industry interaction(INFOSYS, TCS, WIPRO..)
    - Continuous Internal Academic Auditing for quality assurance
    - Effective On-line Student Feedback Program.
    - Parent-teachers interaction to build human relationship.

  - ***An established PG program and a rapidly growing R&D culture:***
    - 6 PG Courses currently running in engineering departments which are 5 years or older.
    - Creditable record of GRIET faculty having two Patents (+1 applied for), over 200 research publications in peer reviewed journals and Conference Proceedings, more than 20 text books and monographs, and Research Project/Seminar Grants/ Staff Development programs from AICTE, DST, DRDO, etc worth over Rs.81 lakhs
    - TEQIP
    - Consultancy earnings over the last few years amount to over Rs. 85 lakhs
    - GRIET regularly publishes three International journals, International Journal of Advanced Computing(IJAC) published Quarterly and another, Journal of Data Engineering and Computer Science (JDECS) published half-yearly and Management Journal.
    - JNTU-H is likely to sanction Research Centers in 5 departments
    - Autonomous

- Collaboration with UGC Academic Staff College to run special Courses

- ***Intrinsic infrastructural strengths of the Institute making it one of the largest and most preferred Engineering Colleges in Andhra Pradesh, though only 14 years old:***
  - Obtained two major awards "Best Engineering College in Andhra Pradesh" and "Best Principal" given by ISTE (2009).
  - IEEE GRIET SB is awarded with exemplary Student Branch for the year 2012 at R10
  - IEEE GRIET SB is the winner for Ethics Competition conducted by R10 in the year 2012
  - Blood Donation
  - Has well equipped technical laboratories, English language laboratory, well stocked Institutional and departmental libraries (facilities complying with or exceeding relevant AICTE norms)
  - Has Wi-Fi internet facility on campus accessible to all students, faculty and staff
  - Advantage of proximity to major academic and R&D institutions and some local industries, with good commuting facilities provided to all students, staff and faculty
  - Adequate number of classrooms, drawing halls, digital library, computer rooms, auditoriums, seminar halls with audio-visual facilities, sports and recreation facilities, Gym and canteen.
  - Transport facility

- **Weaknesses of the Institute, itemized category-wise**

  - ***Student- and Faculty-related issues:***
    - Considerable number of students at entry into B.Tech Courses lack the strong motivation needed to pursue the grueling professional curriculum, despite stringent admission norms ensuring good quality input
    - Despite of motivating the students, the levels of many students to improve their non-academic skills to meet industry's growing expectations is lacking.
    - The research carried by the faculty is highly appreciative despite of owing heavy academic and administrative loads where much better quality papers and work can be proven.
    - Even though student extend their support to carry the research in the laboratories, the involvement need to be strengthen.

  - ***Teaching– Learning Process (learning outcomes):***
    - On-line learning resources to students are available but need to be strengthen
    - Number of Technical and pedagogical training programs for faculty and staff has to be increased to meet growing demand
    - Existing modern educational aids like multi-media classrooms, broadband Wi-Fi internet connectivity and video conferencing facility are proving inadequate and need augmentation

  - ***PG Education, Research and Development:***
    - A few of the Master's degree students are unable to face campus placement due to lack of skills and confidence where they need to be encourage to attend the training courses.
    - Many faculty members, in various stages of completion of their doctoral work, are yet to acquire Ph D
    - Though our institute provides good platform to carry research to a maximum extent, due to multidisciplinary fields, all the requirements may not be fulfilled at this point of time, which has to be strengthen down the line
    - Scale of sponsored research by faculty to commensurate with their capabilities has to be fortify

  - ***Institute level Activities:***

- Though with strong infrastructural facilities like built space, labs and equipment, there is a need to increase the resources as the enrollment is increasing
- Motivational incentives to faculty and students for high quality achievements have to be further enhanced
- Financial resources for implementation of quality improvement measures have to be augmented
- Inviting visiting faculty from eminent universities to encourage research scholars.
- Collaboration with the MNC is necessary to improve the standards
- PG students need meeting space to share their views.

- **Opportunities conducive to quality growth, itemized category-wise**

  - ***Caliber of Students and Faculty:***
    - Rapidly increasing societal awareness of the need for quality in technical education
    - Growing global demand for engineering graduates of higher caliber
    - Increased attractiveness of teaching as a profession due to recent pay structure revisions conducive to induction of more and more quality faculty

  - ***Implementing Quality in Teaching – Learning Process:***
    - Availability of a large number of new on-line and self learning resources (such as NPTEL's web-based courses and video lectures)
    - Readiness of IIT's and other premier institutions to mentor less well-placed institutions
    - New imperatives to rise to world standards in an era of globalization and WTO agreements.

  - ***PG Education, Research and Development:***
    - National need for more faculty with PG qualification providing a boost to PG education
    - Growing awareness in the Industry for the need to outsource R&D work to academic institutions
    - Possibility of networking among academia, R&D institutions and local industry to form R&D clusters.
  - ***Institute Level Opportunities:***
    - Increased access to financial inputs from Governmental sources like MHRD's TEQIP
    - Initiative taken by the UGC, echoed by some State Governments and affiliating Universities, to grant academic autonomy to deserving institutions
    - Growing interest among International Organisations to develop academic collaboration with institutions in India (e.g., UKIERI, DAAD, CEFIPRA, Fulbright Foundation and EdCil).
    - Fund raising can be focused on alumni of graduate-programs

- **Challenges to achieving quality, itemized category-wise:**

  - ***Caliber of Students and Faculty:***
    - Fluctuating motivational levels of students linked to volatile job situation for engineers, which is intern influenced by vagaries of world economy.
    - Unfavourable supply-demand situation of qualified and quality faculty leading to unhealthy competition among colleges for the limited number of faculty available.
    - Unequal playing field vis-à-vis public-funded institutions and foreign universities in India.

  - ***Implementing Quality in Teaching – Learning Process:***
    - Prevailing societal view that engineering education is merely a gateway to lucrative employment
    - Emphasis by most stakeholders on performance in examinations rather than true learning
    - Disruptive interruptions in academic calendar due to frequent political and social disturbances

- ***PG Education, Research and Development:***
  - Reluctance of engineering graduates to join PG courses in engineering due to perceived lack of significant benefit in employment for PG degree holders other than in the academia
  - Unaffordable high costs of sophisticated research equipment
  - Reluctance of most industries to fund research in private self-financing institutions.

- ***Institute Level Threats:***
  - Even though autonomous, dependent on parent University for introducing needed academic reforms.
  - Mushroom growth of substandard technical education institutions leading to over-regulation by statutory bodies indiscriminately applied to even well-established institutions with a good track record.

C. Criteria-Wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision:

To be among the best of the institutions for engineers and technologists with attitudes, skills and knowledge and to become an epicentre of creative solutions.

Mission:

To acheive and impart quality education with an emphasis on practical skills and social relevance.

Objectives:

i) To translate our vision into action and accomplish our mission, we strive to provide state-of-art infrastructure.

ii) Recruit, motivate and develop high caliber multi-speciality faculty.

iii) Continuously review, innovate and experiment teaching methodologies and learning resources.

iv) Focus on research, training and consultancy through an Integrated Institute-Industry symbiosis.

Communication to Stakeholders:

Institute makes every effort to ensure the above guidelines are communicated effectively to all stakeholders namely students, staff, parents, employers and regulatory authorities through variety of means:

1. Print Media: College Diary, College Brochures
2. Electronic Media: College Website, Visual Display Units
3. Display Boards: Flexi Boards, Permanent Wooden Boards
4. Direct Communication:
    a. Orientation Programmes to freshers
    b. Initiation Programmes to staff members
    c. All Major College Events like Seminars, Workshops, Conferences and festivals

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

Action Plan to develop Curriculum:

The college thoroughly develops action plans for effective implementation of the curriculum.

1. Being an affiliated college to JNTUH, Hyderabad, GRIET follows curriculum of the affiliating university.

2. GRIET renders help to affiliating university in developing curriculum by participating in brain storming sessions before Board of Studies meeting of JNTUH.

3. GRIET received autonomous status from affiliating university since 2011, and taken over the responsibility to develop the curriculum for various courses offered by GRIET with in the radius of Autonomy.

4. The curriculum developed to meet the needs of Industry/Institution.

5. More emphasis is given during curriculum development for practical skills and social relevance in accordance with the Mission of GRIET.

Action Plan for implementation of Curriculum:

1. The Curriculum is sub divided to suit the requirements of Year/Semester Pattern effectively.

2. The spectrum of subjects for a particular course is designed in such a way that they include fundamentals, Core, Advanced, and inter departmental electives.

3. Curriculum caters enough practical exposure by introducing various labs, Projects, and Industry oriented mini projects.

4. Keeping in view, the number of working days available, the syllabus is divided into subjects and subject into units and each unit covering certain topics.

5. For effective implementation of each course, the concept of Course file is introduced.

6. The course file contains Lesson Plan, Session Plan with dates, and Lecture diary.

7. The implementation of curriculum is monitored through various means that include Student representatives, Mentors, Course convenors, Class coordinators, Heads of the Departments, and Dean of Academic Affairs and finally Principal at regular intervals.

8. Sessional exams will be conducted as per the course coverage is fit into internal

exam plan like ½ syllabus for Midterm Exam – I and the rest for Midterm Exam – II and practical work on a weekly basis or number of experiments.

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

1. GRIET believes in ICT (Information and Communication Technology) in teaching.

2. Modern teaching aids will be provided to teachers to effectively translate their thoughts into expression.

3. To ensure Staff to change their traditional outlook and force them to use modern methods, college never installed black boards in the class rooms since inception, instead white boards, OHP, LCD are provided.

4. Various refresher courses, seminars, conferences and faculty development programmes are conducted to enlighten the faculty community for a creative teaching learning environment.

5. The teachers are exposed to online resources like Journals, Simulation softwares, and NPTEL Videos.

6. GRIET, is having a tie up with University Grants Commission – Academic Staff College of JNTU Hyderabad to conduct various Staff development programmes.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other Statutory agency.

1. We have a proactive approach, the concerned staff of each course develops a course file well in advance that contains lesson plan, session plan and continuously records in lecture diary.

2. Now, the course files are being developed as per the standards of OBE (Outcome based Education).

3. The course file is made available online to student community. Each course file helps the students to get teaching material, Tutorial Questions, Assignment Questions, University Exam Papers with solutions, and Lecture videos, and helps the students to understand the objectives and outcomes of the course

4. The college has initiated special remedial classes for slow learners under finishing school concept

5. Special classes are conducted for those students, who could not attend the classes on account of beyond academic activities to make up for the loss.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

1. GRIET, is having a Board of Studies for each Department composed of people drawn from both Industry and Institute.

2. The views of the Industry experts on curriculum will be collected when they visit the Training and Placement cell for on campus interviews.

3. We receive feedback from the students who got employed, during alumni visit about the usefulness of the course and curriculum.

4. We receive the views of the R & D organization on curriculum through students, and some staff members who are being part of research projects at R & D Labs.

5. The faculty members of the college keep regularly in touch with their counter parts at the affiliating university and other recognized universities and get latest information regarding their own respective subjects.

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

1. The suggestions and improvements will be sent to University through Principal, after receiving an informal feedback from all the stake holders.

2. The suggestions on curriculum will be exchanged during Brain storming sessions conducted before Board of studies meeting of University on syllabus.

3. Some of the initiatives of GRIET, are accepted and followed by JNTUH

i. University has adopted Signals and Systems lab for II Yr students of Communication Engineering.

4. The following staff members are participating Brain storming session of University

i. Prof P.S. Raju	Director , GRIET
ii. Dr Jandhyala N Murthy	Principal, GRIET
iii. Prof P M Sharma	Professor and Head, EEE

iv. Dr T V Rajini Kanth Professor and Head, IT

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university)by it? If ‘yes’, give details on the process (’Needs Assessment’, design, development and planning) and the courses for which the curriculum has been developed.

1. Under autonomous stream, we have developed curriculum for new PG programmes namely Design for Manufacturing, VLSI, Thermal Systems and Design.

2. New Lab courses are proposed under autonomous system in line with our Mission statement.

i. Web Designing Lab

ii. PHP & My SQL Lab

iii. Digital Electronics Lab etc.,

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

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

2. The evaluation system and Student feedback will ensure that the objectives of the program are achieved.

3. Our objectives are vindicated by indicators like good employment, smooth adaptation of our students into industry, and GRIET being preferred as a destination by freshers.

4. The college ensures that during the course of implementation, the stated objectives of the curriculum are achieved. To do this, various exams (Mid term, Viva Voce, and Semester end) are conducted to monitor the outcomes of the syllabus.

5. Systematic documentation is maintained to review the outcomes of the curriculum.

1.2 Academic Flexibility

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

Keeping in mind the growing needs at state, national and global level, the college imparts education at Graduate/Post Graduate Degree Level in all branches of Engineering.

S.No	Name of the Under Graduate Program	Intake
1	Bio Medical Engineering	30
2	Bio Technology	60
3	Civil Engineering	120
4	Computer Science and Engineering	180
5	Electronics and Communications Engineering	180
6	Electrical and Electronics Engineering	120
7	Information Technology	120
8	Mechanical Engineering	120

S.No	Name of the Post Graduate Program	Intake
1	Design for Manufacturing	18
2	VLSI	18
3	Embedded Systems	18
4	Power Electronics	18
5	Computer Science and Engineering	18
6	Software Engineering	18
7	Master of Computer of Applications	120
8	Master of Business Administration	120

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

No, College at its own level does not offer dual degree programmes.

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

1. Our curriculum offers Open electives for 3rd and 4th year students to fulfill the interests of student community.

2. Lateral and vertical mobility within and across programmes and courses are governed by Higher Education Regulatory body of the Government of A.P.

3. Various International Certification and skill enrichment programmes are conducted department wise to enrich the knowledge base of the student community to meet the needs of industry.

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

No, However there is a differential fee structure for Convener and management quota admissions.

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

Yes, the college offers addition skill enrichment programmes to meet the needs of the industry.

The following Enrichment programmes are conducted on regular basis.

Name of the Skill Enrichment Programme	Department	In Association with
Soft Skills	Training and Placement	Career Launcher, Hyderabad
Sun Certified Java Professional (SCJP)	Dept of IT	Data Point , Hyderabad
Oracle Certified Associate	Dept of IT	SQL Star, Hyderabad
CISCO Certified Network Administrator (CCNA)	Dept of IT	JetKing, Hyderabad
Mobile Gaming	Dept of IT	Idea Labs, Hyderabad
INFOMATICA	Dept of IT	Wilshire Technologies, Hyderabad
Andriod Technologies	Dept of IT	Think Labs, IIT, Bombay

eTrix ROBOT Training	Dept of IT	Think Labs, IIT, Bombay
IBM Rational Rose	Dept of IT	IBM, Bangalore
LogiTrix	Dept of IT	Think Labs, IIT, Bombay
Haptic Robotic Arm	Dept of IT	Technophilia, IIT Kanpur
Cloud Computing	Dept of IT	Manjeera Software Solutions
Robotronix	Dept of IT	Technophilia, IIT Kanpur
Mobitronix	Dept of IT	Technophilia, IIT Kanpur
IBM DB2	Dept of IT	IBM, Hyderabad
Roboliga	Dept of IT	Technophilia, IIT Kanpur
Auto CAD	Dept of MECH	GRIET, Hyderabad
NDT	Dept of MECH	GRIET, Hyderabad
Pro Engineering	Dept of MECH	GRIET, Hyderabad
Micro Controllers	Dept of ECE	GRIET, Hyderabad
DSP	Dept of ECE	GRIET, Hyderabad
Digital design through FPGA	Dept of ECE	GRIET, Hyderabad
Micro processors	Dept of EEE	GRIET, Hyderabad
Sun Certified Java Professional (SCJP)	Dept of CSE	Data Point , Hyderabad
Oracle Certified Associate	Dept of CSE	SQL Star, Hyderabad

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

No, the university does not allow the flexibility of combining conventional face to face and distance mode of education

1.3 Curriculum Enrichment

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

1. The college makes every effort to supplement the curriculum of the University to ensure that the college's goals and objectives are met.

2. Additional Experiments have been included in lab courses apart from curriculum to enrich the student's practical knowledge base.

3. Introduction of Auto CAD to teach Engineering Graphics apart from conventional Instruments.

4. Industry relevant production and simulation software such as eagle, protems software for electrical engineering labs.

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

1. Supplementary courses apart from curriculum are introduced to meet the needs of dynamic employment market.

2. Various International certification programmes are offered to enhance the employability skills of the students like Oracle Certified Associates (OCA), Sun Certified Java Professionals (SCJP), CISCO Certified Network Administration (CCNA) etc.,

3. Efforts are made through change in Hardware and Software in tune with Industry needs like Andorid, Web 2.0, Python, and IBM DB2.

4. Our students can be able compete in global market by undergoing the above supplementary value added courses, Industry oriented Mini and Major projects and Workshops.

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

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, ICT etc, find an ample space when it comes to applying them positively into the curriculum.

1. The efforts are made to accommodate the above mentioned cross cutting issues into curriculum.
2. The cross cutting issues are addressed through Guest lectures from eminent personalities from industry, Competitions, and Workshops and expert lectures beyond the curriculum.

3. An Annual event Ruedo will be conducted to educate student community about environmental safety.
4. Focused student groups called Indian Youth Climate Network will strive to make the college environment friendly.

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

1. Moral and ethical values: We conduct the following programmes on regular basis to make our students to be good citizens for example
   i. Seminars on Human Excellence through our youth association. GRIET is a recognized Vivekananda Yuva Kendra in Hyderabad
   ii. Seminars on Social Awareness
2. Employable and life skills: To enhance the employability and life skills of the students community the following centers are working at their best in our college through various activites:
   i. Centre for Continuous Excellence in Life Skills
   ii. Centre for Sustainable Technologies
   iii. Centre for Creative Project works of Social Relevance
   iv. Centre for Planning, Development and Management of Irrigation, Drainage, Drinking water, Energy, Water Resources and Environment for Sustainability
   v. Centre for Innovative Technologies for Societal Transformation
3. Better career options: Various International certification programmes and Industry Oriented Courses are designed to meet the needs of the current trends in engineering. These career oriented programs make our students “ready to work”.

Name of the Skill Enrichment Programme	In Association with
Soft Skills	Career Launcher, Hyderabad
Sun Certified Java Professional (SCJP)	Data Point , Hyderabad
Oracle Certified Associate	SQL Star, Hyderabad

CISCO Certified Network Administrator (CCNA)	JetKing, Hyderabad
Mobile Gaming	Idea Labs, Hyderabad
Andriod Technologies	Think Labs, IIT, Bombay
eTrix ROBOT Training	Think Labs, IIT, Bombay
LogiTrix	Think Labs, IIT, Bombay
Haptic Robotic Arm	Technophilia, IIT Kanpur
Robotronix	Technophilia, IIT Kanpur
Auto CAD	GRIET, Hyderabad
NDT	GRIET, Hyderabad
Pro Engineering	GRIET, Hyderabad
Micro Controllers	GRIET, Hyderabad
DSP	GRIET, Hyderabad
Digital design through FPGA	GRIET, Hyderabad
Micro processors	GRIET, Hyderabad

4. Community orientation: To improve social awareness and team working abilities a wide variety of programmes are conducted in our college annually.

   i) Pragnya: A National wide Technical Symposium

   ii) Pulse: A Musical and Entertainment Show

   iii) Spices: A cooking competition for students and staff

   iv) Spirals: An Essay writing and elocution and skit competition

   v) Rhythms: A Dancing Competition

   vi) Quizzicals: A Quiz competition on Technical/contemporary issues.

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

1. The college has various channels to collect and document responses on curriculum from the stakeholders. Special formats are used for alumni and parents to register their views during orientation meetings.

2. Major observation by industry experts is that communication skills need to be improved. So, from I Year on wards, we have introduced

   i. Soft skills development program

   ii. Report Writing

iii. Resume Preparation

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

The college has a very clear and transparent way to monitor and evaluate the quality of various enrichment programmes.

1. The content and mode of delivery are continuously fine tuned based on the continuous feed back from stakeholders.

2. The usefulness of enrichment programmes are praised by some of the alumni during their training program at employer. The following alumni expressed their views on Enrichment programmes:

K. Mahatma Reddy (IT)	Received Kudos Award during training at TCS
Shanthi Kikkuri (IT)	Received Best performer award during training at TCS
Vidya Rani (MCA)	Received Best performer award during training at TCS

1.4 Feedback System

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

1. We take active role during Brian storming sessions conducted by Board of Studies of University.

2. The following staff members are participating Brain storming session of University

i. Prof P.S. Raju	Director , GRIET
ii. Dr Jandhyala N Murthy	Principal, GRIET
iii. Prof P M Sharma	Professor and Head, EEE
iv. Dr T V Rajini Kanth	Professor and Head, IT

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

1. Yes, The informal feed back from all the stakeholders are consolidated and conveyed to the university through proper channel or they may be expressed during Brain storming sessions on curriculum by the Board of studies of University.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

1. In autonomous stream, we have introduced TWO new courses namely,

M.Tech (Design for Manufacturing)

M.Tech (Thermal Systems and Design)

2. The rationale behind the introduction of the above courses and their curriculum is industry relevance.

3. In every department, new lab courses have been proposed to meet the requirements of global market place in terms of skill confidence. GRIET believe that knowledge gained through practicals is long lasting and enhances individuals confidence.

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?

Publicity:

The institution has a marvelous history of over 16 years. With a large number of course combinations to choose from, it has an exemplary reputation for higher education in JNTUH. The institution follows rules by the strategy through APSCHE (Andhra Pradesh state council of higher education) and SBTET (State Board of Technical Education and Training). Currently the ratio of students between convener quota and management quota is 70:30. Convener quota students are selected through EAMCET, a common entrance test conducted by the University/Government where the administration procedure for management quota is filled by the college management adhering strictly to the guidelines stipulated by the state government. The college ensures wide publicity in a planned manner using the college website: www.griet.ac.in and promulgated prominent newspapers in English and vernacular languages like Telugu and Urdu.

Transparency:

GRIET adheres to the guidelines, rules stipulated by the state government, which inherently has transparency, access equity and social justice through its quotas for various reservation categories.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Engineering, Agricultural and Medical Common Entrance Test – 2012 (EAMCET – 2012) will be conducted (as per G.O. Ms.No. 73

Higher Education EC.2 Dept dt:28-07-2011) by Jawaharlal Nehru Technological University, Hyderabad for entry into the first year of the following Under Graduate Professional courses offered for the academic year 2012-2013 in the University and Private unaided & affiliated

Professional colleges in the State of Andhra Pradesh.

Eligibility Criteria to appear for EAMCET:

Candidates satisfying the following requirements shall be eligible to appear for EAMCET

a) Candidates should be of India Nationality or Persons of India Origin (PIO) / Overseas Citizen of India (OCI) Card Holders.

b) Candidates should belong to the state of Andhra Pradesh. The candidates should satisfy local / non – local status requirements as laid down in the Andhra Pradesh Education Institutions (Regulations of Admission) order, 1974 as subsequently amended.

c) For Engineering, Bio-Technology, B.Tech. (Dairy Technology), B.Tech. (Ag. Engineering) and for 50% seats in B. Pharmacy,

B.Tech. (Food Science and Technology (FST) /B.Sc. (Commercial Agri. & Business Mgt. (CA & BM) Courses:

(i) Candidates should have passed or appeared for the final year of Intermediate Examination (10+2 pattern) with Mathematics, Physics along with Chemistry / Biotechnology / Biology as optionals or related vocational courses in the fields of Engineering and Technology, conducted by the Board of Intermediate Education, Andhra Pradesh along with bridge course or courses conducted by it for candidates enrolled during 2000-2002 and subsequent batches, or any other

examination recognized as equivalent thereto by the Board of Intermediate Education, Andhra Pradesh, provided that candidates who have passed or appeared for the final year of Intermediate Examination (10+2 pattern)with Biology, Physics and Chemistry as optionals along with the bridge course examination in Mathematics conducted by the Board of Intermediate Education, Andhra Pradesh shall also be eligible for the Bio-Technology course. (ii) Candidate should obtain at least 45% of marks (40% in case of candidates belonging to reserved category) in the subjects specified taken together at 10+2

(iii) In the case of Engineering and Pharmacy courses, candidates should have completed 16 years of age, as on 31st December of the year of admission. There is no upper age limit. (iv) In the case of B.Tech. (Dairy Technology), B.Tech. (Ag. Engineering), B.Tech. (FST) and B.Sc. (CA & BM), Candidates should have completed 17 years of age as on 31st December of the year of admission and an upper age limit of 22 years for all the candidates and 25 years in respect of scheduled caste and scheduled tribe candidates as on 31st December of the year Admissions.

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

Marks are the common criteria for admission. These admissions are done strictly according to the conditions laid down by affiliated University. There are more than 700 colleges in the state and more than 300 affiliated to JNTUH. The institution, as compared to the other colleges within the city/district/region/state, has the record of getting its seats filled at the earliest. The same is the case with the admission in Post Graduation programmes. GRIET is preferred by the students which are indicated by better ranks of students taking admission in all disciplines. Currently the EAMCET ranks consider the intermediate marks with a ratio of 75:25. The qualifying marks for the intermediate exam are 50% marks.

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

The college reviews the profiles of students admitted annually. The institution has a very clear cut well defined and well designed mechanism as far as the reviewing of the annual profiles of the students is concerned. The profile of the ranks over the years is continuously monitored to attract better ranks to join the institute. Various incentive schemes are introduced in the college. In 2009 ranks below 800 are given fee exemption. In 2011 this is improved and extended to PG courses.

Scholarships for 2012-2013 admissions into B.Tech, M.Tech, MCA, MBA

B Tech: Scholarships are provided based on EAMCET ranks for the course.	
• Ranks less than 1,000 • Ranks less than 2,000 • Ranks less than 3,000	Rs 1,20,000 Rs 80,000 Rs 40, 000
@ Branch wise rank related scholarships are also available.	
M Tech: Teaching assistance ship available for eligible non-gate M Tech students.	
MCA: Scholarships are provided based on ICET ranks for the course.	
• Ranks less than 250 • Ranks less than 500 • Ranks less than 750	Rs 1,00,000 Rs 60,000 Rs 35,000
MBA: Scholarships are provided based on ICET ranks for the course.	
• Ranks less than 500 • Ranks less than 1000 • Ranks less than 1500	Rs 80,000 Rs 50,000 Rs 30,000

The newly introduced fee exemption mechanism has a great effect on students in terms of choice of program and college. GRIET tries to motivate the students by providing them the requisite facilities. The activities of students are closely monitored. A record of their performance in all the fields, academic as well as extra-curricular is maintained in the office. The students, who bring laurels to the institution, like in the academics, sports, extra-curricular, or other similar areas, are duly rewarded. The student with a little bit of negative approach or disturbing elements are motivated with counseling so that a positive frame of mind can be developed. These results in making the students become an asset for the institution. This effort is felt by the prospective students and parents, which increases the chances of GRIET being a preferred college.

Outcome:

As a result of this process, in the last five years, the college has observed a sharp rise in the students maintaining discipline. They have learnt to channelize their energy, their potential into more constructive activities.

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

- SC/ST
- OBC
- Women
- Differently abled
- Economically weaker sections
- Minority community
- Any other

Through Reservation Policy, Access is ensured to these marginalized groups through the total implementation of reservation-cum-merit as per the UGC order. At present the reservation quota is as follows:

Reservation Category	Quota (%)
SC	14
ST	7
OBC(A, B, C, D)	25
OBC-E	4
Disabled	1
NCC	1
CAP	1
Women	33

Reservation is ensured at all levels of admission namely UG and PG degrees. Even for NSS, NCC and defense category students, seats are reserved in each course. There is reservation for students belonging to differently disabled categories as per UGC notifications. The college under the direction from the Central Government, State Government and its affiliating university offers every possible help to the students belonging to the minority community.

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

Details of various programmes offered by the Institution during the last four years

Programmes	Number of applications	Number of students admitted (2009-2010)	Demand Ratio	Number of applications	Number of students admitted (2010-2011)	Demand Ratio	Number of applications	Number of students admitted (2011-2012)	Demand Ratio
ECE	120	120	100	120	120	100	180	180	100
EEE	120	120	100	120	120	100	120	120	100
ME	120	120	100	120	120	100	120	120	100
CSE	120	120	100	120	120	100	120	120	100
IT	120	120	100	120	119	99.1	120	120	100
BME	30	29	96.6	30	27	90	30	25	83.3
BT	90	64	71.1	90	39	43.3	90	46	51.1
Civil Engineering	120	117	97.5	120	120	100	120	120	100
Design for Manufacturing	18	17	94.4	18	12	66.6	18	14	77.7
VLSI	18	17	94.4	18	12	66.6	18	15	83.3
Power Electronics	18	18	100	18	17	94.4	18	15	83.3
Embedded Systems	18	18	100	18	13	72.2	18	17	94.4
Computer Science and Engineering	18	18	100	18	18	100	18	18	100
Software Engineering	18	18	100	18	16	88.8	18	18	100
MCA	120	93	77.5	120	97	80.8	120	96	80
MBA	60	60	100	60	52	86.6	120	120	100

2.2 Catering to Diverse Needs of Students

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

The institution is fully adhering to governmental policies regarding the needs of differently-abled students. Seats are reserved at the time of admission in various programmes. The college makes sure that the classes of such students are held at ground floor only for the purpose of easy accessibility. Measures are also incorporated in access in other services like toilets etc. Lift services are being improved keeping them in mind. These students are encouraged at every level in the institution.

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

The Institution is well aware of the needs of the students. The college is the ladder which can help them to climb up in the world of their aspirations. Any class contains a mix of intelligent and average students. We admit students of all calibers in line with our objective EDUCATION FOR ALL. In order to satisfy their queries the college ensures that there are teachers available to answer their doubts. Students are attached to counselors and the weak students are traced out and further they are counseled. Before commencement of the session, admitted students are given special orientation classes to enable them cope up with the syllabus of the course chosen by them.

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

Institution conducts remedial classes for students in different subjects to enhance their skills and competence. Examinations are also held to test their knowledge received during classes and remedial action is designed. Enrichment courses like personality development programmes, Soft skill course programmes, certification programmes in latest technologies and various technological workshops, seminars are also conducted to improve students personality and motivate them for an innovative and creative mindset. Where ever a disadvantageous learner is identified by the teacher, the institute appoints a mentor teacher to help him/her with counseling and intensive coaching.

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

The institution holds the tradition of imparting holistic education with emphasis on the ethical and moral principles. The college which is co-educational institution sensitizes its staff and students on issues such as gender inclusion, environment etc by holding seminars on the relevant topics like women empowerment. Celebration of women's day by teachers and students is also a part of the same tradition. The college, at its own level and with the assistance from AICTE and other bodies like UGC etc. make arrangements for seminars and workshops at national level, conferences at international level where in the experts from various fields are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on women empowerment under the banner of IEEE. The Management too has supported the cause of the women education. Various Technical events are organized under Pragnya Drawing and essay competitions are held regarding environment issues to enliven the students. Musical night is organized by event called PULSE. Apart from this the college, as sated earlier, offers the subject to environmental education as a compulsory subject.

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

The advanced learners are detected by the teachers during their lectures in class room by means of getting feedback from the students orally and sometimes in writing. Students are subjected to various methods of evaluations like signaled answers, vocal responses, sample individual responses and written tests after each unit of syllabus. Based on their performance, students are identified as slow and advanced learners. They are supported in the best possible manner. The teachers take extra pain in helping them with an additional and personal interest. They are provided with the additional time, advanced learning materials and assistance from the teachers. Further such learners are motivated for higher seats of learning and top most career options. A number of motivational lectures are organized to channelize their potential to accomplish better success. College has initiated AAC (Advanced Academic Centre) wherein the cream of the students are made automatic members who are privileged to interact with academic experts in and around city and projects initiated by interested and committed staff of GRIET.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

Academic performance of the student's from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. is detected by the teachers during their lectures in classroom. We use marks as index for identifying slow learners students are subjected to various methods of evaluation, vocal responses, sample individual responses & written test after each unit of syllabus. These students who do not seem to cope up with the pace of learning are advised and counseled by the teachers by assisting them social study material. They are specially advised and counseled so as to help them improve themselves. Students are subjected to various methods of evaluation like vocal responses, sample individual responses and written tests after each unit of syllabus. Based on their performance, students are identified as slow and advanced learners. The morale of the slow learners is boosted by counseling sessions, remedial classes and intensive interactive sessions. They are also given advice after class hours and are motivated by providing additional learning material such as text books and solved question papers from exams. The advanced learner's are given assignments and encouraged to take part in active items such as quizzes, essay writing, lecture competitions, ROBO competitions and seminars. They are encouraged to acquire new and advanced information through the internet to bring out their full potential. The creative abilities of students are given vent through wall magazines, newsletter and college magazine. All students are exposed to peer group learning where both the slow and advanced learners are combined. A friendly environment is created to improve the communication skills of the advanced learners. A number of motivational lectures and workshops are organized to channelize their potential to achieve success.

2.3 Teaching-Learning Process

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

The academic calendar is released by the affiliating university and is to be followed in totality by our college. The same academic calendar is published in the College prospectus and college website before the beginning of the session of every academic year. It provides plan for the academic year to students, teachers and parents. Within the framework, college has to provide the exposure to the subjects as given by the syllabus prepared by the affiliated university. Each department functions according to the teaching plan prepared at the department level. The unit wise syllabus is discussed with the faculty of the department and the course work is distributed. The faculty follows a Course plan, which contains the details regarding institutional objectives to be achieved, Course Objectives, details of contents to the covered, the kinds of aids and the logistics to be used inside the class room etc. A copy of the same is issued to all heads of departments and coordinators. Teaching plan is prepared by all the concerned and submitted to the respective heads of the departments every academic year. A copy of the teaching plan is submitted to the Principal also. Timetable is prepared and displayed on the notice board.

The departments also carry out internal assessment based on student test performance and punctuality. The final evaluation of students is done according to the university schedule. Towards the end of each session / semester, theory and practical examinations are conducted by the university and evaluation is carried out. The exam results are declared and score cards are issued by the affiliating university.

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

IQAC provides the development and application of quality benchmarks/parameters for the various academic and administrative activities of the institution. It also imparts knowledge through team work at relentless efforts. It promotes the research and consultancy and develops state of art infrastructure. It promotes synergetic relationship with the industry and society to appoint well endowed faculty and to upgrade their acumen. It also ensures timely, efficient and progressive performance of academic, administrative and financial tasks.

IQAC activities are looked after by IDMC (Institutional Governance Development Monitoring Committee an AAC (Academic Affairs Committee) Following are the members of the IQAC Cell:

Institute Development and Monitoring Committee (IDMC)

- Principal – chairman
- Director
- Heads of Departments
- Deans
- Two co-opted members from industry
- One co-opted members from the university
- Management representative

Academic Affairs Committee (AAC)

- Principal – chairman
- Dean of Academic affairs
- Dean of student affairs
- Head of Departments

This cell monitors promotion, implementation and continuous improvement of innovations in Curriculum, Co-curricular and Extra-curricular activities of the institution. The IQAC works towards the enhancement of the learner's knowledge, capacity and personality.

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

The college offers a lot of support services to its teachers for making the learning student centric. The college provides a well stocked library which boasts of latest books and journals which the faculty uses efficiently to provide comprehensive and latest information to the students. Students are also encouraged to use the library independently that enhances their knowledge. Apart from it, the college provides a state of the art seminar hall where students participate in GD's, Debates and Seminars. The college also encourages the use of internet and computers by the staff and students to keep them abreast of the latest developments in their respective field of study. Staff, as a facilitator, encourages student to develop through self learning by giving appropriate assignments and approach.

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

The college concentrates on making the students original thinkers. To encourage the artistic temper among the students, the college teachers motivate them to participate in various beyond academic activities. The long list of prizes won by our students in academics and beyond academic activities at university and other district and state level competitions bears a testimony to it. At the same time, to encourage the scientific temper among students, the faculty engages the students in various practical works on science labs and computer labs. To sharpen the critical thinking among students, various GDs, debates and seminars are organized in which students explore new ideas and also get a chance to listen to the expert views of eminent professionals.

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

The use of modern multi-media teaching aids like OHP, multimedia projectors, Internet enabled computer systems are usually employed in class room instructions as well as other student learning experiences. Resources from NPTEL, NMEICT and other resources are made available to the students and staff. The students are also encouraged to use computer software packages for meaningful analyses of the experimental data collected/acquired by them.

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

College conducts lectures and seminars by experts on various issues in which faculty members and students are encouraged to participate and reap benefits. The teachers go for refresher and orientation courses. Educational tours are also conducted. Over the past many years the faculty has been participating in the conferences and presenting papers in national and international level seminars, conferences and journals.

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

There is a provision for counselors/advisors called as mentor for each class or group of students for academic and personal guidance. The students are divided into groups and each group is provided with a mentor to provide academic and personal guidance to the needy students. It is done at all level of courses in all the divisions. The teacher in –charge carefully monitors the regularity of attendance, participation in seminars and other activities and also the performance of the students in internal tests/semester examinations. Accordingly the students are advised to improve by way of help and remedial /corrective action. The students who seek psychological boosting or the candidates who are psycho-socially left out are given counseling by the college faculty and when needed an authorized psychiatrist help is also taken. To add, the college teachers really act as a true friend, philosopher and a guide for the students.

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

The college encourages the teachers to keep themselves abreast of the latest developments in their respective fields. They are encouraged to use computers, Internet and library resources to enrich their teaching. The college faculty is also provided training for use of computers, latest software so that they can themselves create modern teaching aids to be used in their classrooms. From time to time the college faculty adopts approaches/methods such as seminars, conferences and special lectures. The faculty members are encouraged to participate in National/International level seminars, conferences. They are provided financial assistance for this purpose. The faculty members who attend such seminars/ conferences share their experience with students and faculty with latest information and talent developments.

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

The institution has centralized library. The library continues to provide the following current awareness services in order to alert users to latest information of their interest.

- List of new entries
- Useful articles

- News items
- Back Volumes
- Digital Library
- Computers for accessing high speed internet
- Handouts/ books prepared by faculty

The catalogues from different publishers are filed. All the access capabilities are listed by librarian. Heads of departments can order for books from these catalogues. The range of subjects represented by the library collection reflects our institution's ever growing zest for newer areas of study and research. Some faculty members have their personal collection of a large number of books and they share the books and journals with the fellow colleagues, the PG and UG students round the clock. Majority of staff can efficiently use the internet and they liberally share their knowledge of innovative research topics, reviews, methodology, data gathering and information output with the learners. Students are also encouraged to make use of library services. They are provided with a student library card which enables them to set books issued from the library. Students are also taken to the library to instill reading habits among them.

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

This type of situation has never happened that the faculty has not been able to complete the curriculum within the stipulated timeframe. The college teachers manage to successfully deliver their responsibilities. Sometimes because of *bandhs* declared by political parties, institution faces challenges in completing the curriculum but the college through extra classes overcomes these challenges. The IQAC keeps a check on the syllabus covered by the various departments on regular basis. A proactive mechanism ensures syllabus coverage on a monthly basis.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

IQAC through interaction with teachers and students submit reports of the feedback to the Principal. The institute through house examinations, feedback from students and teachers, and other stake holders evaluates the quality of teaching learning. ACR (Annual Confidential Report) ensures the HR monitoring and compensating effort.

2.4 Teacher Quality

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

Recruitment

Cadre Structure for Teaching Staff

(a) Director / Principal

(b) Principal / Dean

(c) Dean Professor / Associate Professor

(d) Professor / Associate Professor

(e) Assistant Professors / Lecturer (Selection Grade)

(f) Senior Lecturer / Senior Librarian

(g) Lecturer / Librarian / Director of Physical Education

(h) Teaching Assistants

Qualifications

Faculty is recruited based on the qualifications prescribed by the AICTE from time to time.

Mode of Selection of Teaching Staff

Direct recruitment to all cadres is based strictly on merit. Invariably in almost all cases, the following procedure is followed:

(a) Advertisements are issued in leading newspapers.

(b) Applications are scrutinized on the fourth day after the last day for receipt of application.

(c) Selection Committee constituted as per Affiliating University and AICTE norms.

(d) Call letters for interviews sent to eligible candidates, specifying place, date and time of interview.

(e) Selection Committee decides and recommends candidates.

(f) Letters of appointment issued to selected candidates.

Sometimes depending on emergency / exigencies of the situation, adhoc appointments are made on contract basis for specified periods.

Composition of Selection Committee

(a) President / Nominee of President of the Society

(b) Principal

(c) Head of the departments concerned

(d) Expert Members (Nominated by AICTE / University)

Cadre Structure for Non-Teaching Staff

(a) Office

(i) Administrative Officer

(ii) Office superintendent

(iii) Senior Assistant

(iv) Junior Assistant

(v) Record Assistant/ Data Entry Operator

(vi) Attender

(b) Labs (other than computer Labs)

(i) Lab Assistant

(ii) Lab Technician (Diploma)

(iii) Lab Attender (SSC/Inter/ITI)

(c) Computer Labs

(i) System Administrator

(ii) Programmer

(iii) Lab Assistant

(iv) Lab Technician

Qualifications

Non-Teaching Staff are recruited based on the qualifications prescribed by the AICTE.

Mode of Selection of Non – Teaching Staff

All positions are advertised in the news papers or notified in the local notice boards. After scrutiny of applications received, a short listing is made by the GRES Secretary / Principal; Interview call letters are sent to eligible candidates to appear for a trade test and subsequent personal interview. The selection committee consists of some or all of the following:

(a) President / nominee of President of the society

(b) Principal

(c) Administrative Head

(d) HOD of concerned department

All appointments (Teaching and Non-teaching staff) made after selection, are forwarded to the Chairman for approval and the Governing Body is notified.

Management is a single term used to collectively represent the society through president of GRES also known as Chief Executive Officer (CEO) Vice President also known as Chief Operations Officer (COO).

The current status of faculty wth post graduation and above qualifications:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D.	23	06	04	01	---	01	35
M.Phil	--	--	--	--	01	02	03
PG	05	01	38	12	61	94	211

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

GRIET constantly endeavors to recurit faculty appropriate to the disciplines both in qualifications and experience. In the first 5 years of GRIET inception from 1997, it was difficult to recruit staff with right qualifications especially in professor level for ECE, CSE, IT, BME, BT. So efforts were on to get people with industry experience provide them with teaching skills. But this sistuation is eased to great extent now. At the same time the problem of retention is addressed by providing requisite facilities.

The course Bioinformatics are not yet available in our college. As far as IT is concerned, our institution has made a lot of efforts to the best quality teachers. The institution conducts seminars related to IT and its related trades at regular intervals to upgrade the technological skill of our teachers. To attract the new faculty and to retain the existing teachers the college provides requisite facilities like research facilities like library, lab, transport, internet etc. To encourage the staff to participate in workshops and seminars, teachers are sent on duty leave and are also given TA/DA and other benefits to upgrade their knowledge and skills by participating in state/national and international seminars/workshops/ conferences. During the last three years, many of our teachers have participated in number of state level, national and international level seminars and workshops. All these teacher centric facilities attract the teachers and best of the faculty from the area join our college.

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

quality.
Hat its
Griet believes its staff needs to update their knowledge through peridic refreshers courses, qualitative improvement domain expretise and HRD programs.

a) Nomination to staff development programmes

Academic Staff Development Programmes	**Number of faculty Nominated**
Refresher courses	20
HRD programmes	04
Orientation programmes	96
Staff training conducted by the university	24
Staff training conducted by other institutions	120
Summer / winter schools, workshops, etc.	22

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

#	Tools & Technology for teaching-learning
1	Teaching learning methods/approaches
2	Handling new curriculum
3	Content/knowledge management
4	Selection, development and use of enrichment materials.
5	Assessment
6	Cross cutting issues
7	Audio Visual Aids/multimedia

b) Percentage of faculty involved

#	Event	% faculty involved
1	Invited resourse persons in workshops/seminars/conferences	20
2	Participated in external workshops/seminars/conferences	50
3	Presented papers in workshops/Seminars/Conferences	33.33

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

The institution extends full support for the professional development of the faculty. The faculties are encouraged to pursue their M. Tech. and Ph. D. The institution deputes its teachers to attend refresher and orientation programs, conferences, seminars and training programs organized by other institutes, universities and research organizations. The institution also conducts number of seminars, workshops and special lectures for the benefit of its faculties and students. The institute has conducted number of workshops/seminars/ conferences during last three years. The Institute grants duty leaves according to the nature of work.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

The college provides necessary infrastructure and other required support to encourage teachers to excel in their teaching. The study centric environment and conductive atmosphere of the college encourages teachers to prove their mettle. As a result, many teachers have been rewarded by various state and national level bodies. To name a few, following faculty members of the college have been awards/recognitions in the last four years:

S.No	Name	Award
1	Prof. P.S.Raju	Best Principal director
2	GRIET	Best college by ISTE
3	Swadesh Kumar Singh	Young Scientist Award
4	Y. Krishnam Raju	Young Scientist Award

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

Yes, our Institute gets the evaluation of the teachers done by students and external peers. The head of the department takes feedback of the teachers from the students. In every academic year students give feedback of individual faculty members on their teaching skills on a prescribed format. The feedback form mainly focuses on the various teaching skills of the faculty members, like presentation, communication, knowledge, content covered, innovative practices and laboratory work. If any faculty doesn’t meet the benchmark on feedback, he/she is counseled for the future.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution

The Stakeholders of the institution i.e. students, staff members, parents, industries, recrutriers, and regulating bodies bare informed about evaluation process by giving general instructions mentioned in the prospectus of the institution. The periodic instructions issued by the parent university are promptly communicated to the students. The faculty members read the instructions even in the classrooms and copy of the same is also displayed on the students’ notice-board. Likewise they are informed at the start of the session regarding the terminal tests after the gap of three months. Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment. The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes. The college has developed a proper Mechanism for this purpose. Time to time staff meetings are also conducted concerning evaluation process.

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

The college is affiliated with Jawaharlal Nehru Technological University Hyderabad. The university has initiated various evaluation reforms viz.

1. Introduced Four sets of question papers with different questions to the same subject.
2. Mid tests are conducted to evaluate the performance of students.
3. Student centric learning through assignments, projects, seminars and practical sessions.
4. The university using secret bar code to main examination booklet for evaluation process.

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

The evaluation reforms of the university are followed in true spirit. The evaluation is all fair; the students are satisfied by showing them the evaluated performance in the answer sheets. Any doubt about evaluation is made clear to the students. All record is maintained i.e answer sheets, award lists etc. Whenever mid tests are taken the results of the students performance/awards are shown to the students to encourage them or counsel them for better future performance. The institution has followed the improved examination system as prescribed by the Jawaharlal Nehru Technological University Hyderabad, Hyderabad.

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

University is the sole authority for implementation of reforms in examination and evaluation but faculty members who are a part of academic bodies of the university actively campaign for reforms. Even then for bringing about a positive change in the evaluation practices, the institution follows both continuous and end semester exam evaluation as directed by the affiliated University. The evaluation through these approaches gives lot of information about student achievement after teaching a particular unit. The concerned teacher may get some direction about the student and necessary steps regarding his/her improving can be pondered over. All faculty members follow the formative approach to measure students' achievements & performance through 1) Mid test 2) assignments.

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

Regularly Assignments are given during the course. The institution evaluates the students through Midterm tests as per university norms and schedule. The report is sent to the head of institution after evaluating in a fair and secret manner. To monitor the students' performance during an academic year by Class Co-ordinators Committee is constituted in the college. This Committee works under the directions of the Chair. The record of the whole evaluation process is transparent. The answer books are shown to the students. The Committee informs student attendance to their parents through SMS system.

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

There is complete transparency in the internal assessment. The criterion adopted is as directed by the University. All the students are familiar about the transparency in Mid tests. The faculty members consider performance during the semester of the academic year:

1) Class assignments
2) Marks in the Mid examination for lab and theory.

2.5.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

The institution uses assessment and evaluation both as an indicator for evaluating students' performance. The students who excel in the academics, sports or extra- curricular or extra mural activities are given due advantage in assessment. General classroom behavior of the students is also kept in mind when evaluation of a student is undertaken.

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

Students having grievances with the evaluation process or his every doubt is made clear by showing his performance in the answer sheet. The student is made clear about every grievance in his mind at the University level. The college has to follow the instructions of the university. If students have any problem, the principal of the college communicate to the concerning authority (Controller of Exams or other offices) of university about the grievances of the students. The institute follows open evaluation system where the student performance is displayed on the notice board and the same is informed to the parents. All grievances regarding evaluation, including the internal assessment marks awarded for the students, are redressed by the Examination Board and the various Heads of Departments. There is a provision for re-evaluation and is permitted on request. The Registrar coordinates with the other members of the

Examination board and assists students in the redressal of their problems regarding conduction of examination, evaluation process, results.

2.6 Student performance and Learning Outcomes

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

In the recent years, institutions of higher education across the country have recognized that a full commitment to teaching and learning must include assessing and documenting what and how much students are learning and using this information to improve the education. When we articulate the main goals for a course, we need to see whether students have achieved them, and then use the results to make our courses better. We're on the way to Outcome Based Education (OBE). The OBE system clearly states the learning outcomes for the programs. OBE system has the process of collecting information that will tell an organization whether the services, activities, or experiences it offers are having the desired impact on those who part take them.

The institute's approach to the OBE is defined clearly. Faculty is best suited to determine the intended educational outcomes of their academic programs and activities, How to assess these outcomes, and how to use the results for program development and improvement is a part of student evaluation. The results obtained by Assessment procedures of OBE are used to evaluate the effectiveness of academic programs and activities, and student services, and not the performance of individual faculty or staff. Faculty use the information collected to develop and improve academic programs.

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

The Institute aims to help students to reach their potential through the provision of a supportive, vibrant and challenging learning environment. All the staff is involved in the construction of this learning environment through

OBE. All students are valued equally during their learning journey with institute. A Course File is prepared well in advance before the start of the course. Accordingly, the curriculum, teaching and learning and assessment at college are student centric. The College has formulated academic committees that aim at enhancing the quality of learning, teaching and assessment across the Institute by providing academic leadership for the continued development of excellence in academic practice. The College is committed in creating an environment where students are supported to achieve their potential and working towards creating an inclusive learning community. In terms of lifelong learning this strategy is intended to be learner centric, recognizing student's prior learning, experience and abilities. This requires the identification of individual learning goals and it will emphasize the importance of reviewing student progress against agreed objectives. Various technological workshops, technical symposiums are conducted where students are also involved. Students are active partners with shared responsibilities for their own learning and achievement. This strategy recognizes the need to develop progressively self directed and confident learners with the knowledge, skills, attitudes and values, which enhance their employability and progression opportunities. It acknowledges that students learn most effectively if they are supported as individuals to achieve personal development.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

Every institute has social as well as economic responsibility. The courses run by college have both social and economic relevance. College understands its responsibility in the socio economic parameters. The institution at the time of the admission provides counseling regarding the choice of options the students wish to opt. They are guided regarding the future prospects of various options. Further they are sensitized on the societal responsibilities through guest lectures. The students are motivated through personality development programmes. Students are encouraged to participate in activities for social and community service. The College has made dedicated efforts to impart quality education and generate new knowledge through research and development activities. It has been contributing significantly in transforming socio-economic conditions of the people of this region. The College through the orchestrated efforts of teachers, supporting non-teaching staff and administrative officers has been generating highly skilled employable and socially responsible man power. College has developed self reliant, enterprising and employable human resource. The college has started many professional certification courses like OCA, SCJP, CCNA, AutoCAD, NDT etc., which are helpful in getting employment.

2.6.4 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

Institution has specified procedure to collect and analyze data on student learning outcome, the following points are adopted by the institute in this context :

- Midterm and continuous evaluation comprising of internal tests, assignments, term paper and seminar presentations.
- Introduction of objective midterm internal tests consists of multiple choice questions. This ensures comprehensive study and understanding of the entire course contents by the student.
- Annual system of examination for all courses.
- Seminar presentation by students.

Institute has taken following steps to overcome barriers:

- Delimiting the length of the answers in order to promote to the point writings.
- Providing Question bank of various subjects to the students.
- Timely redresses the students grievances.
- By showing answer books to students to make them understand their relative strengths and weaknesses.

- Minimum attendance limit for students to minimize absenteeism.
- Extra classes for weak students to solve their problems.
- The periodic evaluation of teachers help in the improvement of learning outcome.

2.6.5 How does the institution monitor and ensure the achievement of learning outcomes

The institution has a clearly defined, set mechanism to monitor the learning outcomes. Attendance is compulsorily taken for every lecture. Tutorials and laboratory hours are fixed. The tutorials and assignments are corrected within a short duration and the marks are entered in work register, which acts as a ready reckoner for the academic progress of the students. Based on the participation in the class and the marks scored in the tutorials and assignments, the student level is judged by the staff member and appropriate action is taken. At the end of each periodical test, progress reports which consist of unit test results and attendance status are submitted to the office for further action.

Counseling is given to slow learners. Parents of such students are called to meet their respective faculty member, if required. All the lab courses are continuously assessed, students who lag in these courses are given additional help and guidance. They are also given additional lab practice. The faculty members are encouraged to conduct surprise tests, quizzes, etc. to monitor the academic progress of each student.

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

The College aspires to have a transformational impact on students through comprehensive education by inculcating qualities of competence, confidence and excellence. The college has specified its graduate attributes clearly.

At the first place,

- The college aims to make its students employable.
- The college endeavors that its students should become valuable global citizens.

- To make the students academically sound enough, so that they are able to stare in the eyes of the competitive world.

  The college ensures that by the time the student finishes his/her education in the college, he attains all these specified attributes. The faculty members of the college work rigorously throughout the academic year to enable the students imbibe the valuable lessons by way of seminars, moral lectures, presentations and field work. The faculty sensitizes students towards inclusive social concerns, human rights, gender and environmental issues to make them sensitive, sensible, useful and conscientious global citizens.

  Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

The institution has the following policy

- To provide infrastructure in terms of number and norms with inherent qualities of excellent ventilation and green concepts equipped with state-of- the-art ICT facilities.
- To increase availability of on-line learning resources by acquiring at least 250 e-journals, e-books and web-based courses.
- To maximize usage of audio-visual equipment in classroom teaching by equipping all class rooms with multi-media facilities and setting up at least 2 Video Conferencing Centres.
- To create additional infrastructural facilities necessary for the achievement of the objectives listed in above sections. Target will be to increase all facilities by about 10% per year.
- To enhance library facilities to cater to the growing needs of quality-conscious students and faculty with special emphasis on rapid access to the latest technical knowledge in all relevant subjects. Measurable target would be to exceed the relevant norms regarding the number of book volumes, current technical journals and web-based resources.

4.1.2 **Detail the facilities available for**

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

The college has built up excellent infrastructure & learning resources over the last 15 years. The campus situated in Hyderabad, the capital of Andhra Pradesh, extending over 10 acres, has a large main building that accommodates Administrative office, Library, Examination branch, Indoor sports, the departments of MBA, MCA and Basic Sciences.

There are 3 other academic buildings in the campus i.e. Block-1, Block-2 and Block-4. Block-1 accommodates the departments of Computer Science Engineering, Information Technology & Placements. Block -2 accommodates the departments of Electrical & Electronics Engineering, Electronics & Communication Engineering and Bio-Medical Engineering. Block-4 accommodates the departments of Mechanical Engineering, Civil Engineering & Bio-Technology.

The college has the best infrastructure for the students – a friendly environment, well ventilated & furnished classrooms with teaching aids and equipments like LCD projectors, computers, laptops, O.H.Ps, VCDs, DVDs and also audio CDs, digital camera, internet facility with Wi-Fi, reprographic facility, display boards, drinking water and cooler etc..

The college has a separate seminar hall with A-View software where faculty & students can attend workshops and seminars organized globally and interact with eminent speakers.

GRIET has a Technology Cell to promote industry-Institute interaction. The main objectives are to promote time bound solutions and product development culture among students and staff, the culture of standardize documentation and quality consciousness among students & staff and provide industries with cost effective solutions.

Separate seminar halls with audio & video equipments and Internet with Wi-Fi to conduct workshops, conferences and seminars are available for individual departments. In addition to the above 2 central seminar halls of seating capacity 450. Tutorial rooms are available to enhance the understanding of the course.

To Enhance hands-on experience of students GRIET introduced innovative practical experiments over and above the prescribed syllabus in order to catch and hold the interest of students and also gives short-term creative technical projects to be executed outside regular contact hours. All our laboratories are well equipped to meet the above objective.

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

The institution makes use of all physical and material resources. It has a good quality play ground for sports and games. Well managed and maintained space for Indoor games like chess, carrom, table tennis is also available in the institution for the students. GRIET boasts of an excellent modern gymnasium for all its members.

There are ample musical instruments, sports goods, indoor games, gym equipment and spacious common rooms for the students. The college has adequate generator back-up for power cuts through its 250 KVA and 160 KVA generators and a number of UPSs.

Open air theatre of 2000 capacity

Built up areas:

Total bilt up area available in sq. mts	42765.0
Instructional area(carpet area)	21743.0
Administrative area (carpet area)	2874.0
Amenities area (carpet area)	2258.0
Circulation & others (carpet area)	15890.0
Total	42765.0

Details of instructional area:

Particulars	Number	Total area in sq.mts
Class rooms	72	6539.0
Tutorial rooms	31	1862.0
Seminar rooms	12	1758.0
Conference rooms	1	47.0
Drawing halls	3	200.0
Computer centre	2	318.0
Library	5	1455.0
Labs / Workshops	115	9564.0
Total	241	21743.0

Details of administrative areas:

Particulars	Number of rooms available	Total area in Sq.mts.
Principal rooms	2	77.0
Head of section rooms	10	197.0
Faculty rooms	14	1401.0
Administrative staff office	8	454.0
Stores	2	72.0
Confidential room	1	10.0
Reception lounge	1	10
Others	24	653
Total	62	2874.0

Details of amenities:

Particulars	Number of rooms available	Total area in Sq.mts.
Boys common rooms	2	296.0
Girls common rooms	2	240.0
Sports & recreation centre	1	200.0
Canteen	2	300.0
Health centre	2	20.0
Others	27	1212.0
Total	36	2268

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

Yes, the institution continuously augments the infrastructure to keep pace with its academic growth and change in needs.

The Infrastructure facilities augmented during the last four years:

Particulars	Built up area	Amount spent
Block – 3	1,50,000 sft	Rs 13,66,22000
Block - 4	1,60,000 sft	Rs 14,09,22000
Total	3,10,000 sft	Rs 27,75,44000

The infrastructure facilities planned:

Particulars	Built up area	Amount spent
PG Block	1,00,000 sq.ft.	Rs 7,50,00000
Auditorium	40,000 sq.ft.	Rs 3,00,00000
Total	1,40,000 sq.ft.	Rs 10,50,00000

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

Class room assistants are available to support students with disabilities. Facilities like wheel-chairs and ramp system are available for easy accessing of classrooms in some of the buildings including toilet conveniences. College is also planning to increase the facilities like lifts for easy access of class rooms.

Provision of scribes and extra time and special room to write exams for visually challenged students, permission to be escorted by parents till classrooms for physically challenged students.

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

- **Hostel Facility – Accommodation available**
- **Recreational facilities, gymnasium, yoga center, etc.**
- **Computer facility including access to internet in hostel**
- **Facilities for medical emergencies**
- **Library facility in the hostels**
- **Internet and Wi-Fi facility**
- **Recreational facility-common room with audio-visual equipments**
- **Available residential facility for the staff and occupancy Constant supply of safe drinking water**
- **Security**

GRIET enjoys the proximity and connectivity as it is located in a vantage location in the city. It patronises two hostels where majority of outside city students of GRIET reside. However, construction of hostels for the students and quarters for faculty & staff is included in the perspective planning of GRIET.

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

Availability of first-aid unit
Number of qualified Medical practitioners 01
Number of Nursing staff 01

Medical facility within the Institution:

- Dr. K. Rama Chandra Raju, M.D is available every day between 9:30-1.00 p.m on the campus medical centre.
- He is assisted by a qualified medical assistant, who is available throughout the college working hours
- College Medical centre provide first aid facility. It is equipped with 4 beds, wheel chair, stretcher facility, consulting room with all medical centre facility. It is open through out college working hours including sports periods.

Medical facility nearby:

- College is situated at 4.5 k.m from busy KPHB (Kukatpally Housing Board) area. Even the connecting road called Nizampet Road is densely populated with all medical facilities doctors, clinics, pharmaceutics & diagnostic centres.
- Nearest Hospitals: Remedy Hospitals-4.5 km at KPHB (Multi Specialty Hospital with good emergency facilities), Apollo Clinics-2 km
- Many private practitioners of every specialty are available at 1.5 km.

Arrangement for emergency medical care
Number of ambulances within the Institution: one
Facility in ambulances: Trauma care
Response-time in calling ambulance services from outside 7-10 mins

- College has a fleet of 27 buses, LMVs which can be doubled up as ambulances as per the need.
- Remedy Hospitals ambulances and 108 ambulance facility situated at Kukatpally police station which is at 4 km have very good track record of response time in meeting the emergencies. The journey time is involved in response to any emergency calls which is around 7-10 mins.

Availability of psychological counseling

- Specialized psychiatrist Revathi Thuraga, life member of the International Association of Holistic Psychology (IAHP), is consulted whenever needed. Dean Career Guidance and Counseling at GRIET Dr. Adapa Rama Rao a well experienced in dealing with students and parents on the average about 10 per month are counseled.

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

Grievance Redressal cell:

All grievances of the staff are redressed expeditiously, since every staff member is a key member of the organization. Grievances reported orally or in writing are appropriately dealt with by a concern HOD. However every staff member if he/she desires, can approach the duly constituted grievance redressal cell of the institution for redressal. The composition of grievance cell is:

1. Chairman: Vice president of the institution
2. Members: Director, Principal, Dean of student affairs, Dean of faculty development and Dean discipline.

Women's development cell:

The women development cell was formed in motto for the overall development staff of GRIET. The cell has 147 teaching & non-teaching staff with Ms. V N Ramadevi as in-charge. The cell celebrates International Women's day on 8th March every year.

Placement Unit:

The training & placement cell of GRIET aims to have an overall development of the students, so that either gets employed in reputed industries or chosed to pursue higher studies in India & abroad. Soft skills programmes are conducted for the students of all the years. The training & placements cell is prepared the database of all the students after the declaration of the third year 1st semester results and provides the database to a large number of IT and Non-IT companies for On-campus and off- campus placements.

Health centre:

College Medical centre provide first aid facility. It is equipped with 4 beds, wheel chair, stretcher facility, consulting room with all medical centre facility. Dr. K. Rama Chandra Raju, M.D is available every day between 9:30-1.00 p.m on the campus medical centre. He is assisted by a qualified medical assistant, who is available throughout the college working hours. It is open through out college working hours including sports periods.

Canteen:

Canteen has a separate section for boys, girls and staff. A hygienic and healthy environment is maintained satisfying variety of tastes of different age groups. Apart from meals, snacks, special counters are available for coffee, tea, fruit juices. Each department is al so self-sufficient with coffee/Tea/juice vending machines and microwaves and basic cooking utensils.

Safe drinking water facility:
Reverse Osmosis plant was installed to provide pure drinking water on the campus to cater drinking water needs of students and staff:

Description	Qty
Tanker (10 KL) to convey	1
Mineral Water coolers with purifiers	30

Recreational spaces for staff & students:
A recreation room with indoor games facility, gymnasium and home theater has been provided for students and staff.

The Physical and infrastructure facilities available for the Sports and Physical education centre are:

S.No	Name of the Event	Facility available	Management	Usage of Students
1	Basket Ball	38x18 mtrs	Sports Council of GRIET	60
2	Volley Ball	28x20 mtrs		120
3	Foot Ball	110x70 mtrs		80
4	Hockey	100x50 mtrs		20
5	Throw Ball	20x15 mtrs		150
6	Tennicoit	12x9.5 mtrs		75
7	Shuttle Badminton	13.5x6 mtrs		50
8	Ball Badminton	24x12 mtrs		30
9	Indoor Games	Facilities		200

		available		
10	TT	5 International tables		80
11	Carroms	5 tables		50
12	Chess	10 Boards		50
13	Indoor multi gymnasium	Equipment worth Rs. 15 lakhs		40
14	200 mtrs track	Available		20
15	Cricket	Ground available		200
16	Billiards	Facility available		30

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 Committee consists of one faculty member from each department under Principal and Librarian. The committee meets at regular intervals and takes decisions, invites recommendations from all readers, users, reviews augments as per syllabi, up gradations/revisions and suggests enhancements in the library environment and takes steps to ensure smooth function of library.

4.2.2 **Provide details of the following:**

- **Total area of the library (in Sq. Mts.):**1670
- **Total seating capacity:** 500

  Working hours: 8 AM to 5PM
- **On working days** : 8 AM to 5PM
- **On holidays :** on need basis
- **Before examination days:** 8 AM to 5PM
- **During examination**: days 8 AM to 5PM
- **During vacation**: 8 AM to 5PM

  Layout of the library

* individual reading carrels
* lounge area for browsing and relaxed reading
* IT zone for accessing e-resources

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

Library holdings	Year -1(2008-2009)		Year – 2(2009-2010)		Year – 3(2010-2011)		Year – 4(2011-2012)	
	Number	Total Cost	Number	Total Cost	Number	Total Cost	Numbe	Total Cost
Text books	5328	1644432.00	10267	2519119.00	8469	2314721.00	6089	2134449.00
Reference Books	280	86240.00	540	132300.00	445	121485.00	304	111872.00
Journals/ Periodicals	168	402662.00	205	492036.00	208	517395.00	298	845006.00
e-resources	20	37804	20	34972	20	37216	2500	160260.00
Any other NPTEL-Lessons					260	50000		

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

* **OPAC**
  Search facility available wherein search by Author, Title, Subject, Keyword, Department, Publisher, Year of Publication and ISBN
* **Electronic Resource Management package for e-journals**
  Subscription of e-journal packages of ACM/STM journals/DIRF journals
* **Federated searching tools to search articles in multiple databases**
  Subscription to Gale Infotrac Science and Technology Package for year 2012
* **Library Website**
  Web pages as part of College website www.griet.ac.in
* **In-house/remote access to e-publications**

30 Computers with WI-FI enabled connections for internet provided

* **Library automation**

  Library is automated through in-house developed software covering most functions of library
* **Total number of computers for public access** 30
* **Total numbers of printers for public access** 1
* **Internet band width/ speed** □ **2mbps** □ **10 mbps** □ **1 gb (GB)**
* **Institutional Repository**

  Hand notes/lecture notes, books published by faculty available
* **Content management system for e-learning**

  NPTEL lessons available which can be accessed through intranet.
* **Participation in Resource sharing networks/consortia (like Inflibnet)**

  Library is a Member of DELNET (Developing Library Network)

4.2.5 Provide details on the following items:

* **Average number of walk-ins** 250
* **Average number of books issued/returned** 350
* **Ratio of library books to students enrolled** 22:1
* **Average number of books added during last three years** 20000
* **Average number of login to opac (OPAC)** 22
* **Average number of login to e-resources** 15
* **Average number of e-resources downloaded/printed** 20
* **Number of information literacy trainings organized** nil
* **Details of "weeding out" of books and other materials.**

  Old /outdated/damaged books are weeded out periodically with approval from Principal and Management.

4.2.6 **Give details of the specialized services provided by the library**

* **Manuscripts** Nil
* **Reference** Reference books are arranged in separate racks as well as included in regular racks to facilitate easy location by user.
* **Reprography** Xerox facility available in College campus at nominal cost
* **ILL (Inter Library Loan Service) DELNET membership through which ILL service provided.**

* **Information deployment and notification (Information Deployment and Notification)** Notice boards at library entrance and updated information through college website.
* **Download** Available through internet
* **Printing** Printer available for taking printouts in library
* **Reading list/ Bibliography compilation** List of documents/textbooks prescribed available.
* **In-house/remote access to e-resources** Internet facility with 30nos computers available with WI-Fi connection
* **User Orientation and awareness** Updated information is displayed at notice board /website-Library webpage as well as Message alerts will be sent.
* **Assistance in searching Databases**
* **INFLIBNET/IUC facilities:** DELNET membership available.

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

Library staff supports in identifying the proper documents related to the field of users in terms of books, journals, journals papers, publications, reprographic materials, searching databases, etc.

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

Easy access to library from outside and within library free movement with or without support. Computers are kept handy for easy location of document. Support staff standing by for any assistance.

4.2.9 **Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)**

Yes, Feedback from users are kept in Library Committee Meetings based on which an appropriate decision will be taken to full fill the needs of users.

4.3 IT Infrastructure

4.3.1. **Give details on the computing facility available (hardware and software) at the institution.**

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**
- **Computer-student ratio**
- **Stand alone facility**
- **LAN facility**
- **Licensed software**
- **Number of nodes/ computers with Internet facility**
- **Any other**

IT infrastructure available in the campus

Particulars	**Available**	**specification**
No. of computers	1210	P4 to latest i5 configuration
No. of terminals of LAN/WAN	650	P4 to latest i5 configuration
Computer-student ratio	0.38 : 1	
Stand alone facility	560	P4 configuration
Licensed software	33	OS and applications
Internet facility	12 Mbps	RVR Infra
Wi-Fi connectivity	12 Mbps	TATA Docomo

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

The entire campus is optically networked between buildings and cable with in the buildings for internet facility. In addition Wi-Fi facility is provided in all the buildings. Dedicated Band Width of 8 mbps is taken from a single source in addition each building /department of importance like examination center, remote center for online workshops, placement cell, library have additional dedicated bandwidths of 1-3 mbps and above.

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

GRIET has been focusing on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. As the places lot of importance on e –learning institute has major plans to upgrade the bandwidth connectivity as well as the .devices

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

Budget for procurement, up-gradation, deployment and maintenance of computers and their accessories in Rs. Lakhs:

Particulars	2009-10		2010-11		2011-12	
	Allocated	Spent	Allocated	Spent	Allocated	Spent
Computers	60	99.17	60	21.53	60	53.24
Maintenance	2	0.64	3	2.21	3	2.32

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

As the policy GRIET insists the usage of ICT, in its teaching methodologies right from the inception it has not adopted the traditional chalk & talk method, by not bringing in the blackboard in to the campus. This yielded the generation of e-learning materials right from the inception. We have e-learning materials committee which continuously encourages and provides access through college website. Most the presentations and submissions are made through online facilities.

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

Students can access and submit their assignments for every course in the college website provided by the course faculty. The faculty utilizes the internet facility in the campus to give the answers for the student's queries through the blogs on the internet.

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

We become the research center. Under process to get the Band Width of 25 mbps Under the National Mission on Education through ICT (MHRD, Govt. of India), for which JNTUH is helping out. We already recognized as Remote Center to conduct online workshops. We conducted 2 workshops.

4.4 Maintenance of Campus Facilities

4.4.1 **How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?**

a.	**Building**
b.	**Furniture**
c.	**Equipment**
d.	**Computers**
e.	**Vehicles**
f.	**Any other**

GRIET the institution has been expanding very rapidly since inception in 1997and is right now in a consolidation phase in tune with its vision and strategic planning's it expanded and upgraded its facilities.

Financial resources for maintenance and upkeep of following facilities (Rs. In Lakhs):

Particulars	2009-10		2010-11		2010-11	
	Allocated	Spent	Allocated	Spent	Allocated	Spent
Building	20	8.61	20	16.13	20	23.71
Furniture	3.00	0.21	3.00	0.26	3.00	0.183
Equipment	5	4.14	5	4.99	5	3.51
Computers	2	0.64	3	2.21	3	2.32
Vehicles	36	65.81	45	94.59	48	138.85

4.4.2 **What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

We have well established maintenance cell to upkeep including the safety and security. Each department, through its coordinators of labs and administration ensures proper upkeep and maintenance.

4.4.3 **How and with what frequency does the institute take up calibration and other precision measures for the equipment/instruments?**

Each lab has its own schedules of calibration for its measuring equipments and instruments. As per the schedule each department comes out this task.

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

All equipments which are sensitive with the voltage fluctuations are backed up with UPS and voltage stabilizers. As the philosophy whenever possible, desktops are replaced with laptops and other devices so that optimum power is utilized.

Supply of water: Peculiar location, taking into the consideration of hilly areas right from inception a planned approach is used for water supply for drinking and other purposes. College is equipped with own water carriages, storage reservoir and pumping facilities.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

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

Yes. The said prospectus covers total information of College which included the details of Branches, concerned labs, syllabus, timetables, staff information, discipline criteria and almanac.

The institution publishes its updated prospectus annually. The prospectus provides all the necessary information the students need to know. The college prospectus provides a complete profile of the college. The handbook is having the admission schedule, the details of the college working days, the fee details and the rules and regulations which the students need to observe during their stay in the college. The handbook contains the list of the facilities being provided to the students. This besides the college handbook contains the information regarding the college teaching as well as the non teaching faculty. This helps the students know about the college staff. The same information, which is published in the college handbook/prospectus is also updated on the college website www.griet.ac.in

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

Session	Type	Categories	Number	Scholarship Amount (in Rupees)
2012-13	A.P Govt. Scholarships	BC/SC/ST/EBC/Disabled welfare	2007	Yet to be received
	APSMFC	BC-E	100	Yet to be received
	MHRD, Govt. of India	BC/SC/ST/EBC/BC-E/Disabled welfare	10	Yet to be received
2011-12	A.P Govt. Scholarships	BC/SC/ST/EBC/Disabled welfare	1743	5,77,34,000
	APSMFC	BC-E	86	29,04,900
	MHRD, Govt. of India	BC/SC/ST/EBC/BC-E/Disabled welfare	10	80,000
	S.C. Rly Scholarship	Others	1	2,000
2010-11	A.P Govt. Scholarships	BC/SC/ST/EBC/Disabled welfare	1553	5,11,49,188
	APSMFC	BC-E	74	23,40,250
	MHRD, Govt. of India	BC/SC/ST/EBC/BC-E/Disabled welfare	28	2,24,000
	IOCL	Others	2	36,000
	B.K.N. Seva Trust	Others	6	30,000
	PM Scholarship	Others	1	18,000
2009-10	A.P Govt. Scholarships	BC/SC/ST/EBC/Disabled welfare	1475	4,58,33,100
	APSMFC	BC-E	70	22,53,050
	MHRD, Govt. of India	BC/SC/ST/EBC/BC-E/Disabled welfare	28	2,24,000
	Prathibha Scholarship	Merit Basis	1	17,500
	S.C. Rly Scholarship	Others	1	3,000
	PM Scholarship	Others	1	18,000

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

The college caters to the academic needs of the students belonging to the rural areas and the border areas. There are lots of students who belong to the non-creamy layer of the society or who are from economically weaker sections of the society. The college provides financial assistance to these students, which is received from the Central Govt., State Govt., other agencies and the Management of the college. Nearly 40-50% students of the college get benefit from these scholarships.

5.1.4 What are the specific support services/facilities available for

- ✓ **Students from SC/ST, OBC and economically weaker sections**
- ✓ **Students with physical disabilities**
- ✓ **Overseas students**
- ✓ **Students to participate in various competitions/National and International**
- ✓ **Medical assistance to students: health centre, health insurance etc.**
- ✓ **Organizing coaching classes for competitive exams**
- ✓ **Skill development (spoken English, computer literacy, etc.,)**
- ✓ **Support for "slow learners"**
- ✓ **Exposures of students to other institution of higher learning/ corporate/business house etc.**
- ✓ **Publication of student magazines**

The institution is committed to provide the students every possible help and support they need in their pursuit to become civilized and worthy citizens. The college, as stated earlier, was set up with a mission of imparting education. The institution for this purpose provides the following support facilities to its students:

- **Students from SC/ST, OBC and economically weaker sections:**

  The students who belong to SC/ST, OBC and the economic weaker sections are identified during the process of the admission only. The college maintains a detailed record of the same. These students are provided every possible help during their stay in the college. The college offers liberal concessions to students. This besides the Central Govt., the State Govt., and the University sponsored scholarships and concessions are also given to such students. The college management too is very thoughtful regarding such students. Every year the college management sponsors a few students. The total expenditure of the education of some 5-7 students is borne by the management. To make up any deficiencies, the college has started **A.I.C.T.E Sponsored Remedial classes** through TEQIP-II for the empowerment of SC/BC and other Backward castes. In addition, **Free Course for Personality Development,**

Coaching classes for various Competitive exams like AIEEE, IIT, PMET, Bank PO etc. have been started to benefit the community.

- **Students with physical disabilities:**

  There is reservation for students belonging to differently-abled category or physically challenged students as per A.I.C.T.E notifications. Their requirements and needs are given a special care and attention. The college ensures that infrastructure facilities meet the requirement of the students with physical disabilities. For differently-abled students, it is ensured that they don't have any physical obstruction. The institution is committed to accommodate them on the ground-floor for their classes. They are provided front-seating arrangement, comfortable furniture and attendant facility. They are provided classes with ramp facility. The library facility is provided to them in the ground floor located multi-purpose hall. The need of the help from the supporting staff, if required, is fulfilled on the request of physically challenged students. The students are given extra attention during the college terminal examinations as well as the final examinations.

- **Overseas students:**

  The institution does not believe in boundaries. It extends its services to overseas aspirants. Admission is given to them as per the AICTE guidelines and security clearance.

- **Students to participate in various competitions/National and International/ Organizing coaching classes for competitive exams:**

  The coaching for GATE, IES, UPSC competition, short term computer courses, Engineering entrance tests is imparted to needy students. Competition classes are also held for SC/BC/OBC students, free of cost under A.I.C.T.E plan.

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

  Our College has a very special concern for the health and hygiene of the college students, staff and other members. For this the college keeps on organizing check up camps where local doctors, dentist, eye surgeon and skin specialist visit and keep a strict watch on the health of the stakeholders, the students and the staff. Proper arrangement of drinking water is present on the college campus at five different locations (R.O. purified drinking water). A first aid room is also there for the treatment of sick. The institution is having a tie up with the local hospitals in emergency.

- **Skill development (Spoken English, computer literacy, etc.)**

  The college regularly conducts Personality Development Programmes which enhance the IQ level and communication skills of the participants. The college also invites Guest speakers from the industry which provides regional and global employment opportunities for the students.

  Special classes are taken for communication skills taking into considerations the rural backgrounds of the students. This besides the college offers various certificate programs are conducted to all the students taking admission in the first year. This has really helped the students learn the basics of the computer language.

- **Support for "slow learners"**

  The institute understands that the college has to serve the basic educationneeds of one and all. The students who are slow in their learning or if their grasping power is not up to the mark, the faculty members identify such students at the beginning of the session. For them the Institution conducts remedial classes in different subjects to enhance their skills and competence. Remedial examinations are also held to test their knowledge received during classes. Enrichment courses like Personality Development Programmes are also conducted to improve students'personality and motivate them for an innovative and creative mindset.

  Wherever a disadvantageous learner is identified by the class teacher, Mentors, Coordinators, Head of the Department & Dean, Career Guidance & Counselling department plans to help him/her with counselling and intensive coaching.

- **Publication of student magazines**

  The college publishes its annual college magazine '**Reflections**'. The students of the college very enthusiastically contribute with their articles in the magazine. The college magazine is printed in the supervision of the college editorial board. All the major sections of the magazine are having their staff editors as well as the student editors. The college management is always there to help the students chisel their artistic and creative skills.

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

The institute has a separate entrepreneur cell along with the placement cell of its own. Over the years the college has helped scores of its students in finding better job opportunities and better enterprises to work in. Our entrepreneur cell encourages outgoing students to visualize the starting of their own enterprises and become active contributors to the nation's GDP. The placement cell assesses the needs of entrepreneurs and prepares a comprehensive training module to equip the outgoing students with necessary skills.

The module focuses on the following skills:

1. Leadership Skills ;
2. Marketing Skills;
3. Business Development Skills;
4. Managerial Skills;
5. Risk Assessment and Management ;
6. Communication Skills;
7. Public Speaking;
8. Team Building Skills

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

*** additional academic support, flexibility in examinations**

*** special dietary requirements, sports uniform and materials**

*** any other**

The institution is committed to attract students for participating in various extracurricular activities by ensuring consistent encouragement and motivation. The necessary facilities are provided and adequate funds are allotted. The sports and cultural committees supervise the extracurricular activities. The students who participate in the sports activities or other extracurricular and extra mural activities are provided with extra classes so that the time they have given in for the various activities can be compensated for.

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

The Institute has a separate support system for the students appearing and qualifying in various competitive examinations. Students who are interested and willing to appear in various competitive examinations are helped by the
teachers in matters of study materials and counselling for the right strategies.

Students are allowed to have access to library and to refer the books related to entrance test. Students can appear in online examinations using internet facilities at our institution. College Management is supporting free competitive classes for SC/BC/OBC are held in the campus. In the recent past many students have appeared and qualified in various competitive exams and the detail is as follows:

2012-Batch Students, Higher Studies Abroad & in India

Branch		CSE	ECE	EEE	IT	Mech	Civil	BME	BT	Total
Abroad		5	20	8	12	14	9	3	15	86
In India	M Tech	11	21	22	6	16	13	3	12	104
	MBA	4	6	2	4	8	0	3	6	33
	Total	20	47	32	22	38	22	9	33	223

2011-Batch Higher Studies List

Branch		CSE	ECE	EEE	IT	Mech	BME	BT	Total
Abroad		15	**18**	**11**	**9**	**10**	**3**	**6**	**72**
In India	M.Tech	4	5	8	0	8	2	0	27
	MBA	**8**	8	4	1	7	0	0	28
	Total	12	13	12	1	15	2	0	55

2010-Batch Higher Studies List

	CSE	ECE	EEE	IT	Mech	BME	BT	Total
Higher Studies Abroad	16	15	6	17	16	4	5	**79**
Higher Studies India	20	21	12	9	18	5	1	**86**
Total	36	36	18	26	34	9	6	**165**

2009-Batch Higher Studies List

	CSE	ECE	EEE	IT	Mech	BME	BT	MBA	Total
Higher Studies Abroad	21	13	10	13	17	9	8	13	**104**
Higher Studies India	23	25	23	10	20	7	9	-	**117**
Total	44	38	33	23	37	16	17	13	**221**

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

The college has separate career guidance and counselling cell headed by Dean (CGC). The teacher in charge is available round the clock to the students. The counselling cell makes adequate arrangement for the guidance of the students during the time of the admissions. The students seeking admission are counselled in the choice making matters during the admission. The choice of the career and the doubts of the students are listened to very carefully and the solutions of the problems are provided. The students who need psychological counselling or any type of social counselling are also attended to very carefully. The following services are made available for the students:

- **ACADEMIC & CAREER COUNSELING:**

  The students, at the time of the admission, are helped by the faculty present in choosing right stream. They are informed about the scope and nature of the various subjects that form the syllabus. The students are not pressurized in choosing the subjects. They are given right kind of counselling which helps them shape their career.

- **PERSONAL & PSYCHO-SOCIAL COUNSELING:**

  The students during the course of their studies in the college come across various issues. They are, at times, too immature to handle the problems. The college provides them personal counselling. They can share their problems with the teachers. The Mentors concerned are very supportive in guiding them fight their problems. The candidates at times come face to face with certain social issues or problems which tend to bring the inferiority complex in them. The teachers make it sure that no such deterioration happens with the psychosocial understanding of the students. They are counselled to become better human beings and advised to stand tall for the social cause.

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

Placement and career counselling centre renders efficacious service to the students. The placement cell extends its service to the students in career guidance, organizes lectures concerning career planning and invites companies for campus recruitment. The following services are provided in the career guidance and placement service:

- **Information of Job Opportunities:**
  The students are informed regarding the vacancies offered by govt. and other agencies. The notice of the advertisement is put up on the notice board. The students are informed regarding the last date and other important information regarding the vacancies.
- **Preparation of Curriculum Vitae:**
  Members of the placement centre render guidance to the students in formal and informal meetings. They are taught how to make CVs. The various technicalities are sorted out, if any.
- **Discussion of Exam Module & Preparation of the Exam:**
  The centre organizes lectures on career opportunities. A thorough discussion takes place on the exam module. The students are informed regarding the syllabus, the pattern and the ways of attempting the paper. Mock tests are held to facilitate them in this pursuit. Their performance is analysed after every test and then a brain storming session is organized to assess their strengths and weaknesses.
- **Follow up:**
  The placement cell keeps track of the post examination developments. As and when the result is declared, the cell informs the students regarding the result. The results are analysed and then the next process of helping the successful candidates start.
- **G.Ds/Interviews:** The college organizes sessions of Group Discussions and mock interviews for the candidates who have succeeded in the written test. The drilling exercise takes place till the candidate is totally confident regarding his performance for the final interview.
- **Campus Placement:**
  The placement cell of the college invites many reputed companies for campus recruitment. The students of the institute are sent to off campus interviews also. The details of the placement for the last four years are as under:

Placement Details for 2012-Batch GRIET Students

S. No.	Name of Organisation	CSE	ECE	EEE	IT	MCA	ME	Civil	BME	BT	M.Tech	MBA	Total
1	Tata Consultancy Services	35	34	29	31	11	23	11	3	5	6	*	188
2	Intergraph Consulting	5	1	1	1	*	1	*	*	*	*	*	9
3	Infotech Enterprises	2	5	1	2	*	2	*	*	*	*	*	12
4	Rikthem Technologies	1	*	*	*	*	*	*	*	*	*	*	1
5	FMC Technologie	*	*	*	*	*	1	*	*	*	*	*	1

	s												
6	Powerwave Technologies	*	1	*	*	*	*	*	*	*	*	*	1
7	Megha Eng Infra pvt.Ltd.	*	*	*	*	*	*	7	*	*	*	*	7
8	AAS Technologies	*	*	*	*	*	*	*	*	*	6	*	6
9	Winnow Services	*	*	*	*	1	*	*	*	*	*	*	1
10	Agama Enterprises Pvt.ltd.	*	*	*	*	*	*	*	3	*	*	*	3
11	Syntel	1	*	*	1	*	*	*	*	*	*	*	2
12	Wipro BPO	2	4	*	*	*	*	*	*	*	*	*	6
13	Franklin Templeton	*	*	*	1	*	*	*	*	*	*	*	1
14	Coca Cola Beverages	*	*	2	*	*	4	*	*	*	*	*	6
15	NCC Infra Pvt.ltd.	*	*	2	*	*	3	*	*	*	*	*	5
16	Sonata Software Solutions	7	4		2	*	*	*	*	*	*	*	13
17	Nuedesic Software Solutions	4	3	*	1	1	*	*	*	*	*	*	9
18	Apollo Hospitals	*	*	*	*	*	*	*	3	*	*	*	3
19	CMC Limited	3	2	*	*	1	*	*	*	*	*	*	6
20	TRAINZ Holdings Pvt.ltd.	3	1	1	1	*	*	*	*	*	*	*	6
21	Ultra Rich Pvt.Ltd.	3	*	*	4	*	*	*	*	*	*	*	7
22	DMV Business	*	1	1	*	*	3	*	*	2	*	6	13
23	AGS Technologies	1	*	*	1	*	*	*	*	*	*	*	2
24	Keeline Appliances	*	*	1	*	*	1	*	*	*	*	2	4
25	Ilensys	*	*	*	*	*	2	*	*	*	*	*	2
26	Jisnu Group	2	*	1	*	*	1	*	*	*	*	*	4
27	Pathpartner	*	3	*	*	*	*	*	*	*	*	*	3
28	United Online	*	2	*	*	*	*	*	*	*	*	*	2
29	Medha Servo	*	1	2	*	*	*	*	*	*	*	*	3

	Drives												
30	GGK Technologies	1	2	1	*	2	*	*	*	2	*	*	8
31	Colruyt IT Consultancy	1	*	*	1	*	*	*	*	*	*	*	2
32	VAG Valves	*	*	*	*	*	7	*	*	*	*	*	7
33	Hundai R&D	*	*	*	*	*	2	*	*	*	*	*	2
34	SyberPlace	*	*	1	3	*	*	*	*	*	*	*	4
35	NTPC	*	*	1	*	*	*	*	*	*	*	*	1
36	Capgemini	1	1	*	*	*	*	*	*	*	*	*	2
37	Accenture	*	*	*	*	3	*	*	*	*	*	*	3
38	Own Business	1	3	2	*	*	6	*	*	1	*	*	13
39	Miscellaneous Companies	6	7	4	3	3	7	6	11	9	*	28	84
Total		79	75	50	52	22	62	24	20	19	12	36	451
Branches		**CSE**	**ECE**	**EEE**	**IT**	**MCA**	**ME**	**Civil**	**BME**	**BT**	**M.Tech**	**MBA**	**Total**

Placement Details for 2011-Batch GRIET Students

S.No.	Name of Organisation	**CSE**	**ECE**	**EEE**	**IT**	**MCA**	**ME**	**BME**	**BT**	**M.Tech**	**MBA**	**Total**
1	Tata Consultancy Services	33	37	35	26	16	10	5	6	3	-	171
2	HCL Technologies	11	11	5	13	4	-	-	-	-	-	44
3	Birlasoft	5	1	4	8	4	-	-	-	-	-	22
4	Mahindra Satyam	16	9	11	8	6	-	-	-	-	-	50
5	Intergraph Consulting	3	-	1	-	-	3	-	-	-	-	7
6	Sonata Software	1	2	2	-	1	-	-	-	-	-	6
7	Kony Labs	1	1	-	-	-	-	-	-	-	-	2

8	Infotech Enterprises	2	1	-	2	-	5	-	-	5	-	15
9	Persistent Systems Ltd	-	1	-	-	1	-	-	-	-	-	2
10	Kennametal	-	-	-	-	-	2	-	-	-	-	2
11	Nagarguna Const Co	-	-	-	-	-	8	-	-	-	-	8
12	Syntel	3	1	3	3	-	-	-	-	-	-	10
13	Riktemtech	-	-	-	-	1	-	-	-	-	-	1
14	Apps Asociates	1	-	2	3	-	-	-	-	-	-	6
15	Mphasis	2	2	2	3	1	-	-	-	-	-	10
16	Coca-Cola	-	-	2	-	-	1	-	-	-	-	3
17	CyberTech	1	-	-	2	2	-	-	-	-	-	5
18	Compugain Systems	-	2	-	-	-	-	-	-	-	-	2
19	Hyundai R&D	-	1	-	-	-	2	-	-	-	-	3
20	Axis IT & T	-	-	-	-	-	7	-	-	-	-	7
21	Vasan Dental Hospitals	-	-	-	-	-	-	-	-	-	3	3
22	A'Z Technology Integration	2	-	-	-	-	-	-	-	1	2	5
23	Future Tech Information Systems Pvt. Ltd.	-	2	-	-	-	-	-	-	-	3	5
24	Franklin Templeton	3	-	-	1	-	-	-	-	-	-	4
25	Couth Infotech	-	2	-	-	-	-	-	-	-	-	2
26	Jisnu Communications	1	3	2	-	-	2	-	-	-	-	8
27	HDFC	-	-	-	-	-	-	-	-	-	9	9
28	United Online Software Development Pvt. Ltd.	1	-	-	1	-	-	-	-	-	-	2

29	Orient Cement	-	-	1	-	-	5	-	-	-	-	6
30	FMG Technologies	-	-	-	-	-	2	-	-	-	-	2
31	Adaequare	-	-	-	-	3	-	-	-	-	-	3
32	Medha Servo Drive	-	-	1	-	-	-	-	-	-	-	1
33	CMC	1	1	1	-	1	-	-	-	-	-	4
34	Google	1	-	-	1	-	-	-	-	-	-	2
35	Oracle Corporation	-	1	-	-	-	-	-	-	-	-	1
36	Future Generali	-	-	-	-	-	1	-	-	-	-	1
37	DMV Business	-	-	-	-	-	-	2	2	-	-	4
38	ASS Technologies	-	-	-	-	-	-	-	-	2	-	2
39	Miscellaneous Companies	8	3	8	6	15	9	6	9	24	20	104
40	Own Business	2	1	1	1	-	3	-	-	-	-	8
Total		98	82	81	78	55	60	13	17	36	37	557
		CSE	**ECE**	**EEE**	**IT**	**MCA**	**ME**	**BME**	**BT**	**M.Tech**	**MBA**	**Total**

Placement Details for 2010-Batch GRIET Students

S. No.	Name of Organisation	**CSE**	**ECE**	**EEE**	**IT**	**MCA**	**ME**	**BME**	**BT**	**M.Tech**	**MBA**	**Total**
1	Syberplace	-	-	-	-	1	-	-	-	-	-	1
2	Tata Consultancy Services	21	22	5	21	8	-	-	-	1	-	78
3	Intergraph Consulting	1	-	-	-	-	1	-	-	-	-	2
4	Infosys Technologies Ltd	8	7	3	4	-	7	-	3	-	-	32
5	NetEnrich Technologies Pvt Ltd	-	-	-	1	-	-	-	-	-	-	1
6	APPS Associates Pvt Ltd	1	-	1	3	-	-	-	-	-	-	5

7	Hua-Wei	-	-	-	1	-	-	-	-	-	-	1
8	Phoenix Maritime Services Pvt Ltd	2	2	5	2	-	12	-	-	-	-	23
9	Nagarjuna Construction Company Pvt Ltd	-	-	4	-	-	12	-	-	-	-	16
10	Nucleus Group Companies	3	-	-	-	-	-	-	-	-	-	3
11	GSS America	2	2	2	-	-	1	-	-	-	-	7
12	Wipro BPO	3	4	1	1	-	-	-	-	-	-	9
13	Brigh Tex Bio-Photonics Pvt Ltd (BTBP)	1	1	-	-	1	-	-	-	-	-	3
14	CRP Group	-	-	-	-	-	1	-	-	-	-	1
15	NIIT Imperia	-	-	-	-	1	-	-	-	-	-	1
16	Jisnu Communications Pvt Ltd	1	4	2	-	-	1	-	-	-	-	8
17	Bits Global	1	-	-	-	-	-	-	-	-	-	1
18	DMV Business & Market Research Pvt Ltd	-	-	-	-	-	-	6	6	-	-	12
19	Sonata Software	6	2	3	5	1	-	-	-	-	-	17
20	Metanoia Software Solutions Pvt Ltd	2	3	-	1	-	-	-	-	-	-	6
21	Broadcom	2	1	2	2	-	-	-	-	-	-	7
22	CMC Limited	4	4	-	-	1	-	-	-	-	-	9
23	KVK Energy & Infrastructure Pvt Ltd	-	-	4	-	-	-	-	-	-	-	4
24	Vem Technologies Pvt Ltd	-	2	-	-	-	-	-	-	-	-	2
25	Indian Air Force	-	1	-	-	-	-	-	-	-	-	1
26	IN3 Consulting Pvt Ltd	-	-	-	-	2	-	-	-	-	-	2
27	Mahindra Satyam	4	2	-	1	2	-	-	-	-	-	9

28	CSC	-	-	1	-	-	-	-	-	-	-	1
29	SIS Software	-	2	-	1	1	-	-	-	-	-	4
30	JDA Software Pvt Ltd	1	-	-	-	-	-	-	-	-	-	1
31	Bonaven Software Pvt Ltd	1	-	-	-	1	-	-	-	-	-	2
32	SAP, Bangalore	1	-	-	-	-	-	-	-	-	-	1
33	Dell International Services	-	-	-	2	-	-	1	-	-	-	3
34	Siemens Health Care Diagnostics Pvt Ltd	-	-	-	-	-	-	1	-	-	-	1
35	Hyundai Motor India Engineering (R&D)	-	-	-	-	-	5	-	-	-	-	5
36	Infotech Enterprises	-	-	-	-	-	6	-	-	-	-	6
37	Netcrunch	1	-	-	-	-	-	-	-	-	-	1
38	Convergys	1	-	1	1	-	-	-	-	-	-	3
39	Reliance Tech Services	1	-	-	1	-	-	-	-	-	-	2
40	Reliance Energy	-	-	-	1	-	-	-	-	-	-	1
41	Bloom Softech	-	1	-	-	-	-	-	-	-	-	1
42	Cognizant Technology Solutions	-	1	-	1	-	-	-	-	-	-	2
43	Toyota, Bangalore	-	-	-	-	-	1	-	-	-	-	1
44	Moldtek Technologies	-	-	-	-	-	4	-	-	-	-	4
45	Rofous Software Pvt.Ltd.	-	-	1	-	-	-	-	-	-	-	1
46	Prajwal Consulting	-	-	-	-	-	-	-	1	-	-	1
47	HCL Technologies	2	1	-	1	-	-	-	-	-	-	4
48	Capegemini	-	2	-	1	2	2	-	-	-	-	7

49	Care First Tech.	-	-	-	-	-	-	1	-	-	-	1
50	HSBC	1	-	-	-	-	-	-	-	-	-	1
51	Infosage Systems	2	-	-	-	1	-	-	-	-	-	3
52	Avaya India Pvt.Ltd.	1	-	-	1	-	-	-	-	-	-	2
53	Satyam Venture	-	-	-	-	-	4	-	-	-	-	4
54	HTC Global	-	-	-	1	-	-	-	-	-	-	1
55	SUM Total Software	-	2	-	1	-	-	-	-	-	-	3
56	EISBL Hyd.	-	-	-	-	-	-	-	1	-	-	1
57	BARC	-	-	-	-	-	1	-	-		-	1
58	Turbo Machinery	-	-	-	-	-	1	-	-	-	-	1
59	Invoulute Design Solutions	-	-	1	-	-	-	-	-	-	-	1
60	EXXOVA Solutions	-	-	-	1	-	-	-	-	-	-	1
61	PGCIL	-	-	1	-	-	-	-	-	-	-	1
62	ZEN Technologies	-	2	-	-	-	-	-	-	-	-	2
63	Post Office	1	-	-	-	-	-	-	-	-	-	1
64	Y Brant Digital	-	-	-	1	-	-	-	-	-	-	1
65	Anaxee	-	-	-	-	1	-	-	-	-	-	1
66	Power Gen Engineering Services	-	-	-	-	-	1	-	-	-	-	1
67	IBM	-	-	-	2	-	-	-	-	-	-	2
68	Tulip Telecom	-	-	-	1	-	-	-	-	-	-	1
69	L&T Infotech	-	-	-	-	1	-	-	-	-	-	1

70	ICICI	-	-	-	-	1	-	-	-	-	-	1
71	Accenture	-	-	-	-	1	-	-	-	-	-	1
72	TATA Business Services	1	-	-	-	-	-	-	-	-	-	1
73	Apollo Health Street	-	1	-	-	-	-	-	-	-	-	1
74	Bank Jobs	1	-	-	1	4	-	-	-	-	-	6
75	Dell international	-	-	-	1	-	-	-	-	-	-	1
76	Reliance Communication	-	-	-	1	-	-	-	-	-	-	1
77	Aster Pvt.Ltd	-	-	-	-	-	1	-	-	-	-	1
78	Mather & Blatt	-	-	-	-	-	1	-	-	-	-	1
79	IL & FS	-	-	-	-	1	-	-	-	-	-	1
80	YQ Labs	-	-	-	-	1	-	-	-	-	-	1
81	HTC	-	-	-	-	1	-	-	-	-	-	1
82	Pear Group	-	-	-	-	1	-	-	-	-	-	1
83	Anasi Tech	-	-	-	-	1	-	-	-	-	-	1
84	Post Office	-	-	-	-	1	-	-	-	-	-	1
85	I3 Software	-	-	-	-	1	-	-	-	-	-	1
86	Teaching	-	-	1	-	-	-	-	-	20	-	21
87	International Airport Hyderabad	-	-	-	-	1	-	-	-	-	-	1
88	MBA Students selected by 14 Companies	-	-	-	-	-	-	-	-	-	26	26
89	Own Business	1	1	-	2	-	-	5	-	-	-	9
90	Highbrow	-	1	1	-	-	-	-	-	-	-	2

91	DST WS	1	2	-	1	-	-	-	-	-	-	4
92	Neosol	-	-	-	-	-	-	-	-	1	-	1
93	NV Logic Technologies	-	-	-	-	-	-	-	-	1	-	1
Total		80	73	39	63	29	61	14	11	23	26	430

Placement Details for 2009-Batch GRIET Students

S. No.	Name of Organisation	CSE	ECE	EEE	IT	MCA	ME	BME	BT	M.Tech	MBA	Total
1	Tata Consultancy Services	22	21	11	9	10	10	6	6	-	-	95
2	Infosys	11	11	3	1	1	8	-	3	1	-	39
3	IBM	1	2	-	-	-	-	-	-	-	-	3
3	Satyam Computer Services	4	1	1	2	1	1	-	-	-	-	10
4	Intergraph Consulting Pvt Ltd.	-	-	-	1	-	1	-	-	-	-	2
5	APPS Associates	-	-	-	-	1	-	-	-	-	-	1
6	Capgemini	2	-	-	-	-	-	-	-	-	-	2
7	Sonata Software	-	1	-	-	-	-	-	-	-	-	1
8	Singularity Software	1	-	-	1	-	-	-	-	-	-	2
9	N R Switch N Radio Services	-	-	-	-	-	-	-	-	23	-	23
10	Dalmia Cement (Bharat) Ltd	-	-	1	-	-	-	-	-	-	-	1
11	United Online Software Ltd.	-	1	-	-	-	-	-	-	-	-	1
12	DNA Research Centre	-	-	-	-	-	-	-	5	-	-	5
13	Innovators India	-	-	-	-	-	-	-	1	-	-	1

14	Dell International	-	1	-	-	-	-	-	-	-	-	1
15	SIA Educational Group	-	3	2	-	-	-	-	-	-	-	5
16	OSI Technologies	-	2	-	-	-	-	-	-	-	-	2
17	Sibel Coasia	-	-	-	-	-	1	-	-	-	-	1
18	Infotech Enterprises	1	-	-	-	-	-	-	-	1	-	2
19	Azad Engineering	-	-	-	-	-	1	-	-	-	-	1
20	Vanpic, Hyd	-	-	-	-	-	1	-	-	-	-	1
21	Alcatel Lucent Tech	-	-	-	-	-	1	-	-	-	-	1
22	BHEL, Hyderabad	-	-	1	-	-	-	-	-	-	-	1
23	Taksheel Software Solutions	-	-	-	1	-	-	-	-	-	-	1
24	IICT, Bangalore	-	-	-	-	-	-	-	1	-	-	1
25	Trident Life Sciences	-	-	-	-	-	-	-	1	-	-	1
26	Dell Technologies	-	-	-	-	-	-	1	-	-	-	1
27	Vijay Electricals	-	-	1	-	-	-	-	-	-	-	1
28	Progress Software Pvt Ltd	1	-	-	-	-	-	-	-	-	-	1
29	Yantra Software	-	-	-	1	-	-	-	-	-	-	1
30	Genpact	-	-	-	1	-	-	-	-	-	-	1
31	First Yantra	-	-	-	1	-	-	-	-	-	-	1
32	Affluent Treatment Ltd	-	-	-	-	-	1	-	-	-	-	1
33	Allahabad Bank	-	-	-	-	1	-	-	-	-	-	1
34	SIS Software	1	-	-	-	1	-	-	-	-	-	2

35	HTC Global Services, Chennai	-	-	-	2	-	-	-	-	-	-	2
36	HDFC	-	-	-	-	1	-	-	-	-	-	1
37	Paras Electronics	-	-	-	-	-	-	-	-	1	-	1
38	MIC Electronics	-	-	-	-	-	-	-	-	2	-	2
39	AP Transco	-	-	1	-	-	-	-	-	1	-	2
40	Yash Technologies	-	1	-	-	-	-	-	-	-	-	1
41	Federal Bank	-	-	-	1	-	-	-	-	-	-	1
42	Nucleus Group Companies	1	-	-	2	-	-	-	-	-	-	3
43	HSBC Software Pvt Ltd	1	-	-	-	-	-	-	-	-	-	1
44	Mahindra Satyam	-	-	1	-	-	-	-	-	-	-	1
45	CMC Ltd	1	-	-	-	-	-	-	-	-	-	1
46	Centre for Good Governance	-	-	-	-	-	-	-	-	1	-	1
47	ICOMM, Hyd	-	-	-	-	-	-	-	-	1	-	1
48	Maruthi Tubes Pvt Ltd	-	-	-	-	-	1	-	-	-	-	1
49	MBA Students Selected by 20 Companies	-	-	-	-	-	-	-	-	-	35	35
50	Teaching	-	-	-	-	-	-	-	-	21	2	23
51	Own Business	-	2	1	2	1	3	-	-	-	4	13
Total		47	46	23	25	17	29	7	17	52	41	304

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

The College is having a separate student discipline Cell head by a Dean (Student Affairs and Discipline) with actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students. The institution has a Student Affairs cell headed by the HOD; Mechanical Engineering & Discipline Cell is headed by Professor. It is also supported by the other faculty members. The students drop their grievances in the suggestion box. Students are also free to share their grievances with the class teachers and the Principal also. The necessary action is taken after issues are discussed in the concerned cells. In addition, the student class representatives establish linkage between the college and students to address the anomalies related to exams and results.

Grievances addressed:

- Internet facility was provided in the library.
- Suggestion boxes were set up on the major locations on the campus.
- Better and improved Canteen facility is provided.
- Canteen facility was made available in the girls' common room.
- Water purifiers were installed at major points in the college.
- 24 hour back up of electricity in case of electric shut down.
- Trash bins were placed in convenient places on campus.
- Provision of the gymnasium has been fulfilled.
- The Boundary wall of the college ground is established with controlled security system.
- C.C. cameras are provided where ever necessary.

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

Answer:

There are a separate safety facilities for the girl students throughout the college. Till date no such case of sexual harassment has been reported in the institute. Continuous vigilance of college authority and strict punishment provisions prevent sexual harassment of women student.

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

Ragging in India commonly involves serious abuses and clear violations of human rights. The A.I.C.T.E. norms has made it mandatory for the institutions to incorporate in their prospectus, the anti-ragging directions of the Central Government. With the situation of ragging worsening yearly, there is emerging a spontaneous anti-ragging movement in India. The college is also very cautious regarding this menace. The college has set up a Discipline committee, the anti-ragging committee in this direction. It comprises of the Head of the Institution and all the Head of Departments. Faculty members, assigned to check the students, make surprise visits and maintain a diary of his/her interaction with the freshers. **Till date, no incident of ragging of any kind has been reported in the college. If any such situation occurs is punishable as per the act 26 of 1997 of Govt. of A.P./ AICTE Rules 2009.**

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

The institution is working towards ensuring social justice through the various students' welfare schemes. The induction program clearly presents the welfare schemes available to the students. The following welfare schemes are made available to the students:

- **SCHOLARSHIPS & FREESHIPS**:

  Details about the scholarships, various free-ships are displayed on the notice board of the institution. The class teacher guides the students to be the beneficiaries of the various welfare schemes. The student welfare officer (a faculty member) addresses and responds to all the academic and non-academic challenges of the students. The college provides them freeship on the basis of their performance in the academics, sports or extra curricular activities. Similarly scholarships received from various central, state and other agencies are made available to the students.

- **BANK SERVICES:**

  In collaboration with the Oriental Bank of Commerce, the institution assists all the students in opening an account with a zero deposit. It empowers students to transact through the bank in the globalized world. It is helpful in availing educational loans. It also serves as an identity card.

- **COUNSELING & PLACEMENT SERVICE**:

  The Career guidance and Counselling Cell headed by Dean for students counselling centre comprises of more than 32 counsellors (8 Branches X 4 Years) from the faculty for each branch and each year. The counsellors reach out to the students formally and informally.

The vision of career guidance cell is to prepare all the students as employable graduates to face the interviews.

The mission of the career guidance is to convert all eligible, employable graduates as employees though campus interviews by various reputed industries in India as well as abroad.

The Career Guidance and Counselling Cell extends its service to the students in career guidance, organizes lectures concerning career planning and invites companies for campus recruitment. The organizations like T.I.M.E., Globarena, IMS Learning Services, etc., are training or students right from first year to the final year to cover soft skills development and campus recruitment training rigorously.

- **HEALTH SERVICES:**

A health centre in the institution takes care of the basic health problems of the students. The college has made arrangements with a separate medical centre with a doctor, compounder and a nurse. They are available in the college. The college has also tie ups with the local hospitals in need of any emergency.

- **SUBSIDIZED CANTEEN:**

The college canteen provides wholesome food to the students at subsidized rates. The college has a canteen committee which keeps an eye on the working of the canteen. As and when any change or reform is required, the committee immediately comes into action. The college canteen comprises with separate facility for girls, boys and staff with strict rules and security.

- **GRIEVANCE REDRESSAL CELL:**

Grievance Re-dressal Cell is under Dean Student Discipline Cell which actively interacts with the students to help them sort out their grievances. It attends to both registered and unregistered grievances of the students.

- **WOMEN CELL:**

Women Development Cell is established which acts rigorously to check the transgressions of the code of conduct of the students. The institution provides separate hostel facilities for female students.

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

G.R.I.E.T. has an Alumni Association, under the leadership of an Dean, Student Affairs. We have registered our college Alumni Association under Society's Registration Act, 1860. Membership to the alumni association is free. Association regularly meets and interacts with the management. It is the flag bearer of the developments in the institution. While rejuvenating the memories of the college, a network of old students was achieved. Today it is the backbone of the institution. The institution rests on the rich history of the student's success and glory. The Alumni organizes lectures on personality development. Over the years it has been helping in holding interactive sessions to motivate students regarding social adjustments. The alumni also help the institution by influencing industries and other agencies in getting placements fests for the institution. The alumni has expanded and strengthened itself with new enrolments. Every year 15^{th}, August Alumni meet is conducted.

5.2 Student Progression

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

Student progression	%
UG to PG	
PG to M.Phil.	
PG to Ph.D.	
Employed • Campus selection • Other than campus recruitment	

Session	**Student progression**		%
2011-2012	UG to PG		**23**
	PG to M.Phil.		**0**
	PG to Ph.D.		**1**
	Employed	Campus selection	60
		Other than campus recruitment	10
2010-2011	UG to PG		15
	PG to M.Phil.		0
	PG to Ph.D.		1
	Employed	Campus selection	70

Session	Student progression		%
		Other than campus recruitment	10
2009-2010	UG to PG		15
	PG to M.Phil.		0
	PG to Ph.D.		1
	Employed	Campus selection	65
		Other than campus recruitment	12
2008-2009	UG to PG		30
	PG to M.Phil.		0
	PG to Ph.D.		1
	Employed	Campus selection	45
		Other than campus recruitment	15

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

Answer:

Programme wise pass percentage and completion rate for 2008-09

S.No	Department	Appeared	Passed	Pass Per (%)	Distinction	I Class	II Class	Distinction	I Class	II Class
1	EEE	61	60	98	16	29	15	26.23	47.54	24.59
2	Mech	86	84	98	32	34	18	37.21	39.53	20.93
3	ECE	98	96	98	41	32	23	41.84	32.65	23.47
4	CSE	96	94	98	49	31	14	51.04	32.29	14.58
5	IT	68	67	99	16	33	18	23.53	48.53	26.47
6	BME	31	27	87	14	7	6	45.16	22.58	19.35
7	BT	34	34	100	15	17	2	44.12	50.00	5.88
		474	462	97	183	183	96			

Programme wise pass percentage and completion rate for 2009-10

S.No	Department	Appeared	Passed	Pass Per (%)	Distinction	I Class	II Class
1	EEE	64	63	98	27	32	4
2	Mech	133	128	96	44	47	30
3	ECE	133	121	91	65	40	16
4	CSE	130	121	93	57	47	17
5	IT	128	121	95	41	54	26
6	BME	28	28	100	3	18	7
7	BT	26	25	96	10	10	5
		642	607	95	247	248	105

Programme wise pass percentage and completion rate for 2010-11

S.No	Department	Appeared	Passed	Pass Per (%)	Distinction	I Class	II Class	Highest Per (%)
1	EEE	132	121	92	68	48	5	81.14
2	Mech	122	113	93	45	41	27	84.79
3	ECE	129	120	93	71	44	5	84.11
4	CSE	138	116	84	62	46	8	83.66
5	IT	121	99	82	52	35	12	86.3
6	BME	28	25	89	10	13	2	80.66
7	BT	25	25	100	17	7	1	79.9
		695	619	89	325	234	60	

Programme wise pass percentage and completion rate for 2011-12

S.No	Department	Appeared	Passed	Pass Per (%)	Distinction	I Class	II Class	Highest Per (%)
1	EEE	131	103	79	77	26	--	88.19
2	Mech	131	98	75	63	32	3	88.31
3	ECE	134	100	75	72	27	1	86.88
4	CSE	126	102	81	78	22	2	85.21
5	IT	122	76	62	53	21	2	88.13
6	Civil Engg	63	42	67	30	9	3	88.63
7	BME	31	20	65	10	8	2	78.8
8	BT	85	64	75	43	21	--	86.65
		823	605	74	426	166	13	

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

The institution facilitates student progression to higher level of education or towards employment through the proper placements in all the fields so that the students get the job as well as the chance of higher education. The institute from time to time makes arrangement of various guest lectures.

Eminent personalities from diverse field of education are invited to interact with the students. This step of college has facilitated the students in earning better job opportunities. Even the personality of the student enhances after working and also provides the secure future. Personality development programmes are also available for the student progression to higher level of education or employment.

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

The institution is committed to bring down the dropout rate. The socio-economic, cultural and psychological issues contribute to the drop out factor. To deal with the socio cultural problems, the career guidance & counselling cell and grievance cell address the problems of the students and sometimes parents too. The institute provides hostel facility to the girls in this border area. There are a number of teachers in the college who extend financial support to the needy students. The Department of English arranges special lectures on the spoken language to address the issue of foreign language compatibility. The students who are weak or seem to fail in the exams are provided coaching through extra classes in the college. The college also arranges cost free remedial classes for the academically weak students. Also, college provides special remedial classes as tutorial classes through sponsorship of the college management and also the support of TEQIP Phase II Finishing School. A Nodal Officer heading the TEQIP Phase II Finishing School for the above mentioned activities.

5.3 Student Participation and Activities

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

The college has a wide range of sports, games, cultural and extra-curricular activities that are available to the students.

- The college has always created a niche for itself in the field of sports. The college has since long times, been participating in various inter university, university level tournaments. The college is proud to give this country some best sports personalities. Our players have represented India. In sports, our college provides indoor and outdoor games to student. A spacious 2 acre play ground is available for outdoor games i.e. cricket, athletics, Volley ball, Basket ball etc. in college campus. The college students have a free access to the Local Stadiums for games like Hockey, Baseball and Swimming.
- Various cultural and extracurricular activities like folk dances, Classical singing, Group singing, theatrical items, traditional heritage items, fine arts items, Quiz, Literary items are offered to the students. In every Session University arrange sports and youth festivals at zonal and inter zonal levels. The college has been actively participating in these activities.
- College also organizes Annual Sports Meet, Annual Variety Show on the college campus.

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

Consult Principal for details

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

Every year after completing the semester, feedback information is collected through feedback form from students and also the feedback is collected from the faculty members.

After analysing the feedback, necessary and appropriate solutions are being implemented to improve the performance

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

The college encourages its students to publish materials like College Research Journals, college magazine (Reflections), wall magazines. The students are motivated to express their talent through articles, paintings, graffiti. Their creativity is given a free flight. The college magazine provides them with a platform to express themselves. The Editorial Board in the beginning of the session meets and decides the lay out plan for the rolling out of the latest issue of the college magazine. The applications for the student editor are invited. The teachers motivate the students to bring out the creative genius in them. The students are participating in industrial exhibitions to develop their technical talents.

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

As of now there is no student council in the college.

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

The institute believes in giving the equal opportunity to the students in supporting the authorities and the college faculty in running the affairs of the college. For this the college endeavours to provide them with opportunities to participate in the various academic and administrative bodies. The details of academic and administrative having students' representation is as under:

- **Editorial Board**: The Editorial Board comprises of Chief Editors, Editor and Students Editors. The Board invites writing from students and teachers and publishes them in the form of magazine (such as Reflections) annually.

- **Extra-Curricular Committee**: This Committee is constituted to promote the cultural activities among the students. Culturally talented students are spotted by Committee members and the efforts are made to develop their skills and talents by encouragement, right training and performances. The committee consists of 5 members, two of which are students.

- **Library Advisory Committee**: This committee consists of Librarians, the teaching faculty and Students The Committee is responsible for the maintenance of library books and journals, easy access of the students to the library facilities, students' facilities in the library such as reading rooms, drinking water, uninterrupted power supply, opening and closing times of library, availability of daily newspapers and the maintenance of library records. Suggestions are invited from the students and other readers for making the library atmosphere congenial.

- **Study Tour Committee:** A well trained faculty member as chairman and two other staff members constitute this committee in every department in the college. They are assisted by two students in this pursuit. They plan and execute the tour programme and students visit various institutions of repute.

  The other committees like Anti Ragging Committee , IEEE Student Committee, Class Representative Committee , sports committee , canteen committee, transport committee are established .

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

The Alumni meeting is conducted on 15th August of every year and also a separate website is provided for the proper communication amongst Alumni and Institution and also for former faculty members.

Any other relevant information regarding Student Support and Progression which the college would like to include.

1. Staggered Timings for each year resulted to have smooth and pleasant atmosphere in the college to facilitate the students for transport and canteen activities.
2. Cell phone usage for students is completely restricted in the college premises.
3. Separate transport is provided for boys, girls and staff.
4. Separate Canteen facility for boys, girls and staff is provided.

6.1 Institutional Vision and Leadership

6.1.1

State the vision and mission of the Institution and enumerate on how the mission statement defines the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution’s traditions and value orientations, vision for the future, etc.?

GRIET is established to serve one of the largest and diverse educational system in India in the state of Andhra Pradesh. Empowered with increased autonomy and to match the demands of the ever progressing society and its growing needs, GRIET from the inception stage has been concerned with the quality and relevance of the education it would impart. The mandate of the institution is envisaged in its vision and mission statements.

“Vision: To be among the best of the institutions for engineers and technologists with attitudes, skill and knowledge and to become an epicenter of creative solutions.”

“Mission: To achieve and impart quality education with an emphasis on practical skills and social relevance.”

The mission statement defines the institutions distinctive characteristics in addressing the needs of society and students keeping in view the traditions, value orientation and vision of the future, GRIET through its mission statement strives over the past decade to meet the challenges brought out by the fast paced development in technological inputs in various spheres and the fast growing competitive economy and man power.

GRIET develops and trains its students with sound educational background supported by practical skills to adapt to the pace of development that was set into motion by our great visionary leaders and industrialists. GRIET trained students benefit the pan Indian society as one. The quality education imparted as per framed syllabus by the affiliated university and innovated with the latest inputs from the current scenario by qualified faculty lays emphasis on practical skills and social relevance of the subjects taught which gives the students passing out, the ability to adapt to the technical environment in real time with bright prospects of growth.

The tradition of this institution has always been to create a technologically competent man power with the correct attitudes, skill sets, knowledge and be creative and an innovator. The vision for the future will always to be among the best of the institutions for engineering and technology, to achieve Deemed University status, to introduce innovative methodology and to include futuristic subjects of relevance, to increase R&D activity with publications in high impact rated Journals, encourage entrepreneurship among the students and be employers more.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The institution GRIET is governed by the Gokaraju Rangaraju Educational Society (GRES), the management of the institute consists of a governing body with a panel of members namely the President, Vice-president and three members. Two members faculty of the college, three external educationalist or industrialist of eminence, a AICTE nominee, a UGC nominee, state government nominee, an affiliate university nominee and the Principal of the college as the member secretary.

The institution has evolved a quality policy which is as follows:
To provide an integrated learning environment to enable students to grow towards their fullest potential and meet high expectations of industry and society.

The entire envisioning, designing and formulation and implementation are done following intense deliberations by all members of the governing body. The governing body functions subject to the existing provision in the bye-laws of the college and the rules lay down by the state government. The principal of the college is the head of the institution providing the required leadership to the institution and its system. He is the principal executive and the ex-officio member of the institute and the GRES. The principal ensures that all provision of the university bye-laws, statutes and the regulations are observed. He convenes the meetings of the Advisory councils, the academic council, Board of Studies, finance committee, planning and monitoring board, selection committees. He also over sees admissions of students, recruitment of faculty, curricular programmes, student feedback, internal and external assessment, financial implication, course contents, co-curricular and extracurricular activities. The faculty are actively engaged and involved in decision making process. Periodic meeting of all Heads of the department and departmental meeting are held to convey and to implement decisions taken by the committees and endorsed management. Senior faculty are represented in all committees by rotation to enhance administrative experience of all staff. This will help refine and run the system of administration to continuously sustain renew and enhance quality of the education by the institution.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

GRIET administration is led by the Principal, collectively with the help of Deans, HODs, and various functional heads. There is complete delegation of authority and responsibilities in GRIET and administration is done through committees. Planning in GRIET is collective "Bottom to Top" process. Requirements are gathered at functioning level and assessed and forwarded to administrative level. This results in a plan reflecting actual requirements. It is guided by vision and mission and willingness to fund any developmental expenditure by the Management.

The management gathers information regarding the various aspects of the functioning of the institution in a number of ways. The Planning process is helped by an efficient Software system which provides access to integrated data that is used to disseminate information. GRIET constantly tries to innovate teaching and learning process by using modern technology, training methods and human resource planning. The management encourages the participation of its entire staff in the process of decision-making, in the functioning of the institution. The college has constituted different Committees comprising of experienced faculty and it plays an important role in the planning and implementation of activities in different spheres of functioning of the institute. The emphasis of the Principal having a direct interaction with various stakeholders of the institute, the faculty, the non teaching staff, the students, and the guardians plays a very important role in the smooth conduct of administration. Additionally, information from student feedback and staff self-appraisal forms help the administration plan necessary action and apt support for the current policies. Quality of Teaching and learning process is further augmented by periodic trainings, Faculty Development Programme, Student workshop and Conferences and various research related events. GRIET constantly tries to incorporate student centric learning by using various groups learning mechanism of "Interactive Design and Delivery System" and "Outcome Based Education System". The institute provides additional help to the students who need it and additional impetus to students who deserve it. It is ensured that education remains practical with emphasis on hands-on training.

The enthusiastic and participatory role of the management encourages and sustains the involvement of the college staff, which is a prerequisite for the efficient and effective functioning of the institute. The Principal as the Head of the Institution bears the ultimate responsibility for the smooth running of the institute. His role assumes that of a multi-dimensional person and as the Head of the Institution, he is responsible for both the academic and administrative functioning of the College. The preparation of the agenda for Governing Body meeting, the academic and administrative matters requiring approval and executing its decisions are all the responsibilities of the principal. Additionally all correspondences with the Governing Body, Governments of both central or state, University Grants Commission, AICTE, the Jawaharlal Nehru Technological University-Hyderabad and other organizations and stakeholders of the institute are also part of his role. The different Committees appointed report to the Principal who receives reports from which he receives advice in matters defined in the terms of reference of their functions.

Responsibilities of each faculty member are well defined and well informed. A copy of GRIET Manual comprising of rules and regulation is available to the faculty and in the Library and on website to advise all concerned about responsibilities and privileges of being a GRIET employee. The management has adopted a performance based increment policy which gives performance points to faculty members who involve in institutional developmental activities along with performance points for Teaching and Student Feedback. GRIET organizes Faculty Development Programme every year with the support of all the departments. It is generally organized with external help from ISTE, IEEE and CSI.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The Principal of the college, as the chairman, has complete authority to administer the institute within the purview of the bye-laws, rules and regulations framed by the management, affiliating University, and the state government. At the beginning of the academic year, a self mapping or review exercise is conducted for the Planning and Monitoring board. The planning and monitoring board constituted by the management is the principal planning body of the institute and is responsible for the monitoring of the development programmes of the institute. The Principal as the chairman of the board, includes six internal members and at least two external experts. Apart from the principal, the administrative officer, two deans/senior professors, two heads of the department and two senior associate professors are present. The powers and functions are prescribed by the bye-laws. They have the right to advice the general body and the academic council on any matter, that it considered necessary for the fulfillment of the objectives of the institute. The recommendations of the planning and the monitoring board shall be placed before the governing body for consideration and approval. Proposals relating to academic matters may be processed through the academic council.

This exercise exposes the strengths and challenges of each of the personnel to draw a potential plan, giving the management an insight for the distribution of responsibilities. The Principal appoints conveners for various committees with the approval of the governing body, and further nominates the members of committees in consultation with the respective convenors based on the inputs and outcome of the reviews.

Guidelines defining the roles and responsibilities of the committees are notified and the committees prepare action plans and submit to the principal for approval. The committees carry out the activities and at the end of the academic year the conveners submit the reports of the work done to the head of the institution. All these activities are evaluated by the Planning and Monitoring Board.The faculty are then informed of their duties and responsibilities by the head of the institution in the scheduled staff meetings and departmental briefings. The administrative staff responsible are also given a action plan along with the roles and responsibilities.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

Under the able stewardship of the principal of the institute during the scheduled meeting of the governing body the Management along with the head of the institution deleberate upon the problems and issues related to college administration, appointment, development, infrastructural requirements and student disciplines are discussed. In these committee meeting, the head of the institute and select staff members nominated by the management committee present and provide information, projections and suggestions if any. In the meetings, responsibilities for all members of the institute are clearly defined and communicated to the respective staff through the head of the institution. The President of the Management Committee if situation warrants, may directly hold meeting with the teachers to communicate their responsibilities. In the interest of the institution both the teaching, the non-teaching as well as the supporting staff shall follow on instructions and obey.

6.1.6 How does the college groom leadership at various levels?

The management of GRIET believes in the traditional principal of the 'role clarity' and 'goal clarity'. The organizational chart of the institute is well defined and for each position the goals and responsibilities are stated unambiguously. Suitable individuals are selected for each such position and autonomy and delegation are exercised in true spirit. Autonomy, both in terms of working and financial areas are given within the framework of the governing rules, such that the individual functions to the best of his/her ability. Constant course corrections are made without challenging their operational freedom, and allow them to grow in their respective positions and look forward for them climbing the rungs up the ladder of responsibility. Almost simultaneously the person on the second rung is prepared such that they can step into the position smoothly if and when a vacancy arises. GRIET traditionally has always been encouraging and supporting the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the staff members in various activities related to the development of the college. The staff members are involved by way of constitution of various committees such as Grievance Redressal Committee, Malpractice Prevention Committee, Faculty Club, Anti-Ragging Squads, Transport committee, Canteen Committee, Staff Recruitment Committee, Discipline Committee etc. The best working committee is appreciated and the staff members involved are suitably rewarded.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The department which forms the fundamental building block of the Institute by and large the decision making role is that of the faculty. This form of decentralized functioning mechanism, empowers the departments and individual faculty with a great level of flexibility in academic administration, and helps the faculty in making decisions at the local level. The policies in these cases are well defined by the College authorities including the Managing Committee and Principal.

The representation of faculties in almost all the committees of the institute is very evident at GRIET. However, simultaneously, there are sufficient checks and balances in-built in the system to help these decisions to be made with caution. These decisions may also be subjected to review by the management and/or committees if situation warrants. The management gives suggestions on various aspects on the basis of Principals report and feedback it gets from the society. The suggestions of the management are communicated to the teaching and non-teaching employees and implemented by the Principal. He also assigns specific duties to various academic and administrative bodies of the College on the basis of suggestions of the executive committee.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

GRIET always promoted 'participative management'. The institute management pro-actively takes part in the working of the institution. The Principal as the head of the management is in the leading role in governance and management of the institution. He, along with the other members of the various committees such as the College Academic Committee, Implementation and Monitoring Committee (including the Department development committee), Finance Committee, Library Committee and various other Sub-Committees, keenly observes the day to day working of the college administration, governance, management and academic activities. The staff members forming part of the committees are inspired both during staff meetings and by personal interaction to give their best in their teaching assignments. He communicates to the faculties the management’s decision and ensures that all the points are implemented. He is responsible to constitute different committees involving the staff members. He also monitors the financial expenditure and manages the funds for different developmental activities taking place on the campus.

6.2 Strategy Development and Deployment

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

Yes, GRIET has a strategic plan in place since 2010 which was necessitated aiming to keeping pace with the rapidly changing scenario with reference to the engineering branch, career planning and options at the global scale. The strategic plan critically examines the grooming of the students vis-a-vis the exciting challenges and rewarding future. It also aims to meet the expectations from all the stakeholders and achieve improved levels of satisfaction to students, teaches parents and employers.

The major thrust of the strategic plan will be to achieve calibrated improvement in the quality of technical education the institute imparts in line with the Vision and Mission of the institute.

The strategy was developed by laying emphasis on building core strengths i.e., excellent infrastructure, talented students and faculty community and a deeply committed management and the challenges thrown by the emerging opportunities.

With the permission of the governing council for the perspective plan to be presented to the stakeholders. A consensus is arrived at, finalized and submitted to the governing council for scrutiny and implementation. The Management holds formal and informal dialogues with the staff, from time to time. In the academic units, teachers are encouraged to participate in seminars, conferences, workshops and refresher and orientation courses to update their knowledge and skill base.

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

1. To achieve recognition as a high quality academic institution for technical education in the state of Andhra Pradesh in India and eventually at the global level, the strategies include

expanding the Post-graduate program as a major part of educational offering, to continually review and innovate in the structure of the course, to recruit, develop and motivate high caliber diverse faculty and achieve Standard accreditation for all eligible PG courses.

2. To be recognized as a Centre for creative solutions for technological problems and to develop latent, relevant and new technologies for India, the strategies give emphasis on stepping -up in-house R & D efforts and also to enter into collaborations with institutions and industry. To set up Centre for Creative Work involving select groups of students and teachers with creative skills working in boundless space. To achieve focus on research and training through integrated industry-institute interaction. Promotion of entrepreneurship among students become more of job providers and to set up technology incubation centre to provide initial infra structural support for budding young entrepreneurs.

3. To enable students to acquire technological knowledge that is at once modern and relevant to the needs of the industry. Strategies include providing state-of-the-art infrastructure and learning resources, to involve students as partners in the process of deciding what to teach and how to learn. To develop a sense of life-long learning as a norm and to provide real -world experience in collaboration with industry.

4. To enable students to mature into responsible citizens through integrated character development programmes. Strategies include provision of a well rounded collegiate experience by involving them time and facilities for healthy co-curricular and extracurricular activities, to help students to develop value systems with a balanced mind. To inculcate as sense of environmental responsibilities and sustainable development, to emphasize the need to realize the importance of development of society as a whole as opposed to development of self at others cost.

5. To provide students with equitable and affordable technical education of the highest quality. To provide equal admission opportunities to students from all sections of society. To introduce a generous system of scholarships to bring education within the range of affordability to all and to introduce special hand-holding measures to the not-so-gifted students requiring additional attention.

6.2.3 Describe the internal organizational structure and decision making processes.

Heirarchy chart

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

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

Teaching & Learning:

GRIET has framed for itself several strategies in order to enhance the quality of education. These have been so framed so as to effect and buttress and reinforce the quality changes required for the progress and development of the college. The criterion is comparable and contemporary to those laid down by standard organization.

The procedures adopted for admissions to various courses provided by the institute are based on student's academic records and their rank in the EMCET. The rules and regulations set by the affiliating University and the State Government are strictly followed for students' admission. The institute has made provision for assessing students' knowledge and skill for particular programme soon after a student is admitted to a course of study. Apart from the lecture method of teaching, group discussion, field studies, debates, tutorials, seminars, study tours etc are adopted for proper understanding of the subjects. The evaluation methods are communicated to the students by the faculty in the class rooms and also displayed on the notice board of the respective departments.

The Institute has well experienced faculty members. The faculty members of various departments participate actively in academic and research programmes. The faculty are given complete freedom and permission to enrich their knowledge by attending Seminars, Refresher Courses, Orientation Courses etc. The institute follows the self- appraisal method to evaluate the performance of faculty, which is used for correcting shortfalls. The college encourages the teachers to participate in self-enriching courses whenever different institutions organize them. Besides the teaching material is collected through internet from renowned Universities

The library staff is well qualified and their services and experience is used in updating library for the optimum use by the students.

Research & Development

As per the prescription by NAAC, the assessment of Research and Development- an important criteria of institutional functioning is based on the key aspects of its ability to promote and sustain healthy research culture, freedom to publish results of research, use of consultancy, healthy participation in extension programmes and organizing conferences.

The institute is a recognized research centre duly approved by the affiliating university. The institute has full fledged PG level courses in major branches with more additions in future. The scope of research motivation is tremendous. The institute has produced many PhDs --------in the past decade.

The faculty is very much aware of the growing importance of the research based education and more and more PG qualified faculty are enrolled------- in PhD programmes. The Institute encourages the teachers for research work. Many teachers of the college are engaged in active research work. The institute is proud to have three young scientists' awardees.

Community Engagement

College engages many organizations like Red Cross, Medical Council and N.G.Os for holding blood donation camp, NSS camps, free medical checkup, youth festivals, Tree plantation festival etc. As far as development is concerned, The NSS officer co-ordinates various extension activities of the college. Through NSS, the students are encouraged to undertake community-oriented activities like Social work- interaction with inmates of NIRMAN, (Home for mentally challenged persons), blood donation camps and environmental awareness through environmental festival - Reudo. Students and teachers are provided with money and time from the college for extension activities. N.S.S. and sports students participate in such activities in coordination with N.G.Os. The college also organizes sports activities and encourages the students to participate in them.

Human Resource Management

In the institute has a very efficient and adequate processes for assessing human power requirements, staff recruitment, monitoring and planning professional development programmes for personnel development and for seeking appropriate feedback responses. The institute has an instruction manual for all staff also referred as the 'Red Book' in which all policies of the institute are listed. The staff are instructed to read and understand service rules , job responsibilities, Work schedules, leave rules, conditions of career advancement, staff training and development, supporting staff , awards, grievence redressal cell, womens cell etc.There are also many staff welfare schemes such as periodic staff training. The institution recruits faculty members and staff based on the guidelines provided by the AICTE and affiliated university. Performances are recognized and appropriate incentives are awarded to the staff members. Effective system of self-appraisal of the performance of teachers are in use effectively. The institute maintains a very efficient communication system with all its stakeholders using the electronic media apart from conventional notices and circulars. The non-teaching staff are also recruited based on similar lines.

Industry Interaction

The institute untiringly and constantly interacts with various local as well as outside institutes and industry to expose both staff and students to the real time world and to encourage them to excel in areas which will benefit them. GRIET consults with other institute and the affiliated university on various issues for the improvement of the education system. Techno-festivals are being held by college to interact with other colleges and industry. Seminars, workshops, conferences periodic certificate courses on various subjects are conducted in the college premises. The college organizes field tours to various industries which are for the benefit of both staff and students alike. Staff are encouraged have consultancy with industry sharing their vast experience in the field.

GRIET is already in collaboration with……

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

The management and head of the institution are constantly interacting and analyzing information and data generated by the efficient systems in place by the administration. The head of institution and the governing body glean periodically the feedback received from the faculty, students, parents and the public with regards to the teaching quality, curriculum, extra curricular activities and infrastructural demands. At the grassroot level the students apart from the formal feed back form interact among themselves and make representations to the their class co-ordinators who in turn intimates the Head of the Department, the Head of department calls for the Department Development committee (DDC) who review the feed back and take appropriate local action to the satisfaction of the students. This apart the HOD's of all department along with the concerned staff and class co-ordinators meet parents during the parents-teachers meet. The feed back is sent to the management. In the meeting of the Management Committee the information gathered from different sources are discussed with the participating members. After thorough discussion and deliberation the existing facilities and activities of the institution are reviewed and the resolutions passed /decisions are taken for their implementation after going through the available resources and modalities.

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

The management is always encouraging and supporting the involvement of the staff in the improvement of the effectiveness and efficiency of the institutional process. The management through the head of the institution involves the staff members in various activities related to the development of the college. The hierarchy in the delegation of task falls primarily on the Deans and Head of the individual branch who in turn delegate the task specifically to senior most staff in the branch who utilizes the services of junior staff by dividing the task and by return collate the outcome for passing the completed task back to the management through proper channels. The staff members are involved hence exposed to the administration and its policies by ways of being members of various

committees constituted by the management such as Transport Committee, Canteen committee, Academic Council, Advisory Committee, Examination Committee, etc., apart from this they also oversee the Department library, Department Association, Faculty club, Departmental Board of studies, Professional Associations like IEEE, Conveners of co curricular activities, Department R &D, Technology Cell and EDP cell.

The staff who show leadership qualities, innovativeness and hardwork are recognized and further advanced task are given to them to guide new comers in participating in institution building.

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

The GRE Society is always constantly and untiringly working for the improvement, betterment and advancement of the institution by ever forwarding the benchmarks.

The Management last year, in the meeting of the council passed the following resolutions:

1.
2.
3.
4.

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

The affiliating university has the provision in its mandate for according the status of autonomy to any affiliated institution within its jurisdiction. GRIET has utilized this opportunity at the appropriate time after garnering enough experience and confidence and applied to JNTUH for Autonomous status and also to the UGC.

6.2.9 How does the Institution 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 institute has well defined tools for grievance redressal and procedure for both students and staff. All grievences are locally addressed within the concerned department under the leadership of the head of department and the matter is promptly and effective disposed. In case the petitioner is unhappy with the relief then they may petition to the Dean discipline who will constitute a committee formed from the staff pool to investigate. This committee discusses the matter with Principal to solve the problem. The recommendations of the committee are forwarded to the Grievances Redressal Committee who deliberation and give the final verdict which the petitioner has to accept. The grievences of the staff and of various other stakeholders also follows the same procedure. The college has a women faculty as well selected by the members of the greivences cell which caters to the the grievances and other needs of girl students.

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

No.

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

The institute has a very distinct and defined mechanism for collecting the feedback from the students and staff to improve the performance and quality of the institutional provisions. The advisory committee consisting of the Head of departments and class co-coordinators or senior teachers collects the exit level feedback from the graduates regarding learning processes. Feed back is also taken during the Alumni meet regularly organized by the institute. The PG departments have developed a format to obtain the feedback of its students, who are employed in various organizations. The inputs are obtained from them and further used to improvise the overall competency of the students for employability and also to use it to improve the course contents and activities to prepare the fresh batch of students to excel in the real time employment sector .

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the institute conduct a Green Audit of its campus and facilities?

Yes, GRIET conducts a green audit every 6 months of its campus and facilities. The latest details are enclosed.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

GRIET has been contributing to environmental related awareness since many years.As we sow, sow shall we reap. We have gifted our self a threatening home to live in as years have gone by. The combined efforts of prevention and cure seem to be the only hope to save ourselves. To spread awareness, a workshop on "CLIMATE CHANGE – CARBON FOOTPRINT" was held on 19th August, 2010, wherein Mr. Syed Mujtaba Andrabi (Officer in Charge of Environment Portfolio, US Consulate), Mr. K Chaitanya Kumar(IYCN National Co-ordinator) and other Delegates shed light on the current environmental status and impending threats. The activities and achievements that are progressing are:--

a) **Energy conservation:** Policy is in place to replace tube lights with LEDS and Traditional CRT monitors are replaced by LCD and LED monitors. This shall reduce energy consumption to a great extent.

b) **Use of renewable energy:** At GRIET efforts are to harness solar energy by both active and passive solar technologies resulting in development of affordable, in exhaustible and clean solar energy to meet heating and electricity requirements of the institute.

c) **Water harvesting and Check dam construction**: Measures are taken for rain water harvesting which includes construction of a rain water storage plant of 1 lakh liters capacity, and check dam construction for which funds have been sanctioned and work is in progress.

d) **Efforts for carbon neutrality:** The goal of climate or carbon neutrality is a powerful motivator and has been the focus of GRIET campaigns for a while. Students are encouraged to use bicycles instead of motor cycles and cars help reduce carbon emissions. Management has sponsored bicycles to few students may work as a catalyst in the process. Institute wastes are disposed off by deep burial instead of burning in open.

e) **<u>Plantation:</u>** This is the first environmental awareness activity started by GRIET. Institution conducts plantation programs every 60 days and also collaborates with NGOS and companies like TCS, Cognizant etc., help promote plantation in and around Hyderabad. An initiative to prevent deforestation is undertaken.

f) **<u>Hazardous waste management:</u>** No hazardous waste material is produced in the institution. The lab wastes are tested to be unharmful to the environment.

g) **<u>E-waste management</u>**: e-waste is effectively managed by recycling in collaboration with ITC group. Regular collections of paper-waste and e-waste is conducted wherein used stationery, used/unused paper, cardboards, old batteries, mobiles, chargers, bulbs etc. are collected and sent to ITC for proper re-use or disposal. Our effort of giving 10,000 kg of paper waste is equal to saving 220 fully grown trees. This noble effort of GRIET was recognized by wealth out of waste (WOW) program of ITC through a momentum and certificate.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

a) **<u>Library:</u>** the GRIET library and information centre play a vital role in supporting, teaching and learning activities and provide the main source for individual research at GRIET. The library system normally consists of a ‘central library’ and ‘branch or department libraries’. The large campus environment often defines the use of the library in terms of the strength and size of the text and research collection. The central library supports the general information requirements of the users whereas the department libraries cater to the specific subject needs of the users, both for study and research. Library is meant to help Scientific Works, academic community faculty to keep abreast with the latest development in their area of activities and to provide information support for research and consultancy. At the same time for the Scientist, Researchers and students, library is a source to get information support for their course curriculum as well as for their self-development. The library is an automated open access library system, which is kept open all year round except Institute holidays. The library staff aims to provide excellent services to the Faculty, researchers, research associates, students and visitors. Net browsing facilities are included.

b) **Ruedo Environmental Fest:** The first ever National Environment Fest RUEDO was organized at GRIET. Workshops, short films, stalls were put up which all focused on imparting knowledge on the current status of our environment and the liability on part of each individual. Thus promoting the notion of a cleaner and greener environment. Poster presentation, conferences, paper presentations, and other activities were organized which involved participation of all sections and clubs of the college to participate. Ban on plastics was observed and paper was collected which was sent to ITC for recycling.

c) **CTC Cameras:** CTC cameras are being used in campus to help monitor the students behaviour towards environment and to use it for monitoring the students character.

d) **Care for Slow Learners:** Opportunities are provided to slow learners by remedial classes to catch up with their counter parts.

e) **350.org :** Eco-friendly projects were displayed by 50 student volunteers at GRIET with a banner of '350' in front of the main campus. By promoting the use of Briquettes, not only has the emission of carbon tailed off but also can save 75% of the money invested on cooking.

f) **Great Power Race:** Earth warriors of GRIET successfully completed and submitted a campus greening project, commencing from 1st September, 2010 to 12th November, 2010, to the GREAT POWER RACE, a clean energy competition, among INDIA, CHINA and United States. With a grand score of 660 points, GRIET proudly stood at a second place in the competition.

g) **Academic innovations:**

i. GRIET has encouraged the student body to associate themselves with this world-renowned organization through the IEEE local chapter. The petition to form an IEEE student branch at GRIET was approved on Jan 4, 2006. The IEEE Student branch was inaugurated on Feb 24, 2006, by Dr.M.B.Srinivas, Chairman, IEEE Hyderabad Section. The main purpose of the branch is the dissemination of knowledge of the theory and practice of all aspects of electrical engineering, electronics, computers, mechanical, bio-medical, radio, allied branches of engineering or the related arts and sciences, as well the furtherance of the professional development of the students.

School Code: 41567237

Student Branch Code: 64761

Being an IEEE Member, a student inculcates necessary qualities which would help him/her to succeed in professional life. These IEEE memberships support IEEE's mission to advance technology for humanity and the profession. At the same time, memberships build a platform to introduce technological careers to students all around the world. It gives one access to the industry's most essential technical information, tools required for career development, networking opportunities, and many other exclusive benefits.

ii. Inclusion of LCD Projectors, Over Head Projector, Video Assisted teaching help to make the experience of learning better. Recording teaching sessions uploaded to website of GRIET help students revise the subject at a future date.

iii. The students who require the remedial classes are identified by the teachers, who refer them to mentors, who further advise them for such classes. The first symptom that a teacher notices is the difficulty in inattentiveness. This type of classes is taken up by the Finishing School of GRIET .

1. Title of the Practice

Value added courses and training to students, digitalization of library, use of alternative sources of energy and conservation of energy and water resources, promoting environment sustainability.

2. Goal

The Goal of GRIET is to attain and give quality education

1. **Library**- The library in GRIET is learning center of newest literature and learning as well as information about all topics that is required by the faculty members, students and researchers. It also has a high degree of computerization for best transactions and services.

2. **Hostel**- GRIET provides such an ambience that the students since they are at home. The rooms are well furnished, airy, with attached bathrooms, proper housekeeping facilities, telephone facilities and are equipped with a number of other amenities as well.

3. **A course offered**- the GRIET is pioneer engineering and technology studies in India. The engineering courses namely electronics & communication engineering, electronics and instrumentation engineering, information technology, electrical & electronics engineering and

computer science & engineering The GRIET provide an incorporated learning atmosphere that enables students to nurture towards their full latent and meet the high potential of the Industry and the world. Aim of GRIET is to achieve and convey quality education with a prominence on convenient skills and social significance. The college offers continuously review, innovate and experiment teaching methodologies and learning resources. The GRIET provide research, leadership and consultancy through an incorporated institute-industry symbiosis. They employ high caliber multi-specialist faculty to offer high standard learning for their students.

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3. The Context

Major challenge faced in providing value added courses and training to students include motivation, monitoring, sustained involvement of the staff, time constraints, enhancing hands on experience of students, increasing the usage of on-line learning resources, maximizing the usage of audio-visual equipment in classroom instruction, improving the performance of students in university examination and implements additional measures to improve the learning outcomes of academically weak students.

Establishment of high-speed continuous internet services is the major challenge in digitalizing the library.

Promotion of awareness among staff and students regarding the use of alternative source of energy. Monetary and time constraints in establishing rain water harvesting plant, check dam construction and solar plants.

4. The Practice & the Evidence of the Success

Value added courses and training to students including GRE/GMAT/GATE coaching English language proficiency, training for campus placements etc resulted in fifty percent of total students entering higher education, forty percent placed through campus placements.

Replacement of tube lights with LED resulted in reduction of electricity consumption and prevention of increase in electricity bill with increased usage.

Introduction of Out Come Based Education resulted in changes within the students by increasing knowledge, developing skills and/or positively influencing attitudes, values and judgment resulted in overall improvement in pass percentage of academically weak students.

Improved awareness regarding unconventional ways of energy utilization resulted in overall change in the mind set of subjects leading to improved energy and water conservation as reflected in ruedo.

5. Problems Encountered and Resources Required

The application of computer to librarianship tends to be gaining momentum all over the world. It has led to the development of a separate field of study, virtual library. Library digitization has a lot of influence on the librarianship profession. Library digitization has become part of the work of librarians. Most libraries are involved in digitization

The manual system of searching for information and materials in the traditional library does not permit multiple use of the same material by different library users unlike the online library services. It is inefficient and time consuming, hence the need to exploit the advantages of the digital library which enables provision of online library services. However, there are a lot of challenges facing the setting of a digital library or conversion to digital status. Digitization is time consuming and it is also a very expensive endeavor.

Energy efficiency is the goal of efforts to reduce the amount of energy required to provide products and services. For example, insulating a home allows a building to use less heating and cooling energy to achieve and maintain a comfortable temperature. LED or natural skylights reduces the amount of energy required to attain the same level of illumination compared with using traditional incandescent light bulbs. Compact fluorescent lights use one-third the energy of incandescent lights and may last 6 to 10 times longer. Improvements in energy efficiency are most often achieved by adopting a more efficient technology or production process. There are various motivations to improve energy efficiency. Reducing energy use reduces energy costs and may result in a financial cost saving to consumers if the energy savings offset any additional costs of implementing an energy efficient technology. Reducing energy use is also seen as a solution to the problem of reducing emissions this is monetary and time constraint.

An Outcome Based Education is a culminating demonstration of learning it is what the student should be able to do at the end of a course. Outcome-based education is an approach to education in which decisions about the curriculum are driven by the exit learning outcomes that the students should display at the end of the course. The resources required are knowledge, comprehension, application, analysis, synthesis and evaluation. Some drawbacks of Out Come Bases Education are Imposition of constraints, Inhibition of Learning by Discovery, Inclusion of and Emphasis on Attitudes and Values Was Inappropriate.

7. Contact Details

Name of the Principal:
Name of the Institution:
City:
Pin Code:
Accredited Status:
Phone (O) : Fax:
Website: com E-mail:
Mobile:

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department: **Department of Electronics & Communication Engineering**
2. Year of Establishment: **1999**
3. Names of Programmes / Courses offered
   4 Year Under Graduate Programme - B.Tech (ECE)
   2 Year Post Graduate Programme - M.Tech (VLSI)
   2 Year Post Graduate Programme - M.Tech (Embedded Systems)
4. Names of Interdisciplinary courses and the departments/units involved
   - **i. Physics - Humanities and Basic Sciences**
   - **ii. Basic Electrical Engineering – Electrical Engineering**
   - **iii. Environmental Studies – Bio Technology**
   - **iv. Mathematics – Humanities and Basic Sciences**
   - **v. Chemistry – Humanities and Basic Sciences**
   - **vi. English – Humanities and Basic Sciences**
   - **vii. ELCS Lab - Humanities and Basic Sciences**
5. Annual/ semester/choice based credit system (programme wise)
   - i. **B.Tech – Semester based -Autonomous GR11(5Theory+3Lab) +**
     JNTUH R09(6 Theory+2 Lab)
   - ii. **M.Tech – Semester based -Autonomous GR11 (6 Theory+1 Lab)**
6. Participation of the department in the courses offered by other departments- Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc. – Nil.
8. Details of courses/programmes discontinued (if any) with reasons
9. Number of Teaching posts

	Sanctioned	Filled
Professors	5	5
Associate Professors	9	9
Asst. Professors	29	29

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization
Dr.Ravi Billa	Ph.D	Professor	Electrical Communication
Dr. V. V. Rao	Ph.D	Professor	Microwave
Dr. T.C. Sarma	Ph.D	Professor	Electronics and Communication
V.Aravind	MS, (Ph.D)	Professor	Communication
A.P.N.Rao	M.Tech	Professor	Communication
T.Jagannadha Swamy	M.Tech, (Ph.D)	Associate Professor	Signal Processing
M.Kiran	M.Tech	Associate Professor	Digital Electronics
K. Padmavathi	M.Tech, (Ph.D)	Associate Professor	Communication
K.N.Balaji Kumar	M.Tech	Associate Professor	Communication
A.Radhananad	M.Tech	Associate Professor	Electronics
V.H.Raju	MSc Tech	Associate Professor	Digital Electronics
K.Meenakshi	M.Tech, (Ph.D)	Associate Professor	Digital Electronics
N.Swetha	M.Tech, (Ph.D)	Assistant Professor	Digital Electronics
G.V.Subba Reddy	M.Tech	Assistant Professor	VLSI
Y.Sudharsana Reddy	M.Tech	Assistant Professor	Embedded Systems
Thatipelli Tripurna	M.Tech	Assistant Professor	VLSI
D.L.Chaitanya	M.Tech	Assistant Professor	VLSI
G.Surekha	M.Tech, (Ph.D)	Assistant Professor	VLSI
N.Madhusudhana Rao	B.Tech	Assistant Professor	Electronics & Communication
M.O.V.Pavan Kumar	M.Tech	Assistant Professor	VLSI
M.Suneetha	M.Tech	Assistant Professor	Signal Processing
K.N.V.Khasim	MSc, (M.Tech)	Assistant Professor	Communication
K Jamal	M.Tech	Assistant Professor	VLSI
D.Karuna Kumar	B.Tech (M.Tech)	Assistant Professor	Power Electronics
Ms Sarika Tuli	M.Tech	Assistant Professor	Communication
Ms Uma Suseela Rudraraju	M.Tech	Assistant Professor	Computer

			Communication
Ms Nagaja Katragadda	M.Tech	Assistant Professor	Communication
Ms Tanusree Sahana	M.Tech	Assistant Professor	VLSI
Ms Hima Bindu Valiveti	MS	Assistant Professor	Communication
Ch. Pratyusha Chowdary	M.Tech	Assistant Professor	VLSI
V. Pradeepa	M.Tech	Assistant Professor	VLSI
V. Priyanka	M.Tech	Assistant Professor	VLSI
D.V. Prasanthi	M.Tech	Assistant Professor	Coomunication
T. Santosh Kumar	B.Tech, (M.Tech)	Assistant Professor	VLSI
Leena Chandrashekar	M.Tech	Assistant Professor	VLSI & Embedded Systems
Md. Javeed Mehdi	M.Tech	Assistant Professor	Digital Electronics
Ravula Lakshmi Soujanya	M.Tech	Assistant Professor	VLSI
G. L. Sumalatha	M.Tech	Assistant Professor	Embedded Systems
A. Usha Sree	M.Tech	Assistant Professor	Digital Electronics
R. N. Pavani	M.Tech	Assistant Professor	Digital Electronics
K.Srilatha	M.Tech	Assistant Professor	Digital Electronics
Krishna Chaitanya	B.Tech	Assistant Professor	Electronics and Communication
Kanaka Raju	B.Tech	Assistant Professor	Electronics and Communication

11. List of senior visiting faculty **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty. **NIL**
13. Student -Teacher Ratio (programme wise) **1: 15**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

    Teaching Assistant - Nil

    Lab Assistants - 05

Office Assistant – 02

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name	Qualification	Designation	Specialization
Dr.Ravi Billa	Ph.D	Professor	Electrical Communication
Dr. V. V. Rao	Ph.D	Professor	Microwave
Dr. T.C. Sarma	Ph.D	Professor	Electronics and Communication
V.Aravind	MS, (Ph.D)	Professor	Communication
A.P.N.Rao	M.Tech	Professor	Communication
T.Jagannadha Swamy	M.Tech, (Ph.D)	Associate Professor	Signal Processing
M.Kiran	M.Tech	Associate Professor	Digital Electronics
K. Padmavathi	M.Tech, (Ph.D)	Associate Professor	Communication
K.N.Balaji Kumar	M.Tech	Associate Professor	Communication
A.Radhananad	M.Tech	Associate Professor	Electronics
V.H.Raju		Associate Professor	Digital Electronics
K.Meenakshi	M.Tech, (Ph.D)	Associate Professor	Digital Electronics
N.Swetha	M.Tech, (Ph.D)	Assistant Professor	Digital Electronics
G.V.Subba Reddy	M.Tech	Assistant Professor	VLSI
Y.Sudharsana Reddy	M.Tech	Assistant Professor	Embedded Systems
Thatipelli Tripurna	M.Tech	Assistant Professor	VLSI
D.L.Chaitanya	M.Tech	Assistant Professor	VLSI
G.Surekha	M.Tech, (Ph.D)	Assistant Professor	VLSI
M.O.V.Pavan Kumar	M.Tech	Assistant Professor	VLSI
M.Suneetha	M.Tech	Assistant Professor	Signal Processing
K Jamal	M.Tech	Assistant Professor	VLSI
Ms Sarika Tuli	M.Tech	Assistant Professor	Communication
Ms Uma Suseela Rudraraju	M.Tech	Assistant Professor	Computer Communication
Ms Nagaja Katragadda	M.Tech	Assistant Professor	Communication
Ms Tanusree Sahana	M.Tech	Assistant Professor	VLSI

Ms Hima Bindu Valiveti	MS	Assistant Professor	Communication
Ch. Pratyusha Chowdary	M.Tech	Assistant Professor	VLSI
V. Pradeepa	M.Tech	Assistant Professor	VLSI
V. Priyanka	M.Tech	Assistant Professor	VLSI
D.V. Prasanthi	M.Tech	Assistant Professor	Coomunication
Leena Chandrashekar	M.Tech	Assistant Professor	VLSI & Embedded Systems
Md. Javeed Mehdi	M.Tech	Assistant Professor	Digital Electronics
Ravula Lakshmi Soujanya	M.Tech	Assistant Professor	VLSI
G. L. Sumalatha	M.Tech	Assistant Professor	Embedded Systems
A. Usha Sree	M.Tech	Assistant Professor	Digital Electronics
R. N. Pavani	M.Tech	Assistant Professor	Digital Electronics

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received. **NIL**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

    AICTE MODROBS – Rs. 7 Lakhs

    AICTE SDP – Rs. 7 Lakhs
18. Research Centre /facility recognized by the University – Nil.
19. Publications:
    * a) Publication per faculty
    * Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of the Faculty	Qualification	Designation	Number of research publications
Dr.T.C.Sharma	Ph.D (ECE)	Professor	52
Dr.V.V.Rao	Ph.D()	Professor	18
Dr.Ravi Billa	Ph.D(EE)	Professor	7
Mr. Arvind Vishnubhatla	MS, (Ph.D)	Professor	2
A. Radhanand	M.Tech	Associate Professor	2

K. N. B. Kumar	M.Tech	Associate Professor	2
Mr. T. Jagannadha Swamy	M.E, (Ph.D)	Associate Professor	5
Ms.Sarika	M.Tech	Assistant Professor	2
Ms.Shwetha	M.Tech, (Ph.D)	Assistant Professor	1
Ms.Surekha	M.Tech, (Ph.D)	Assistant Professor	1
Ms.Leena Chandrashekar	M.Tech	Assistant Professor	1
Ms.Pratyusha Chowdari	M.Tech	Assistant Professor	4
Ms.Vasavi Prasanthi	M.Tech	Assistant Professor	1
Mr.K Jamal	M.Tech	Assistant Professor	1

20. Areas of consultancy and income generated - Nil

Name of the Faculty	Consultancy	Income Generated	Sponsoring Body

21. Faculty as members in

    a) National committees b) International Committees c) Editorial Boards

Name of the Faculty	Affiliation	Name of the Journal/Committee

22. Student projects

    a) Percentage of students who have done in-house projects including inter departmental/programme : **B.Tech: 100%** **M.Tech: 100%**

    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :

    B.Tech: NIL M.Tech: NIL

    Research Laboratories: NIL

    Industry: NIL

    Other Agencies: NIL

23. Awards/ Recognitions received by faculty and students

Student Gold Medals: Nil

Name of the Student	Year of Passing	Award Received From

Student Recognitions:

Sno	Team	Event Name	Paper	College Name	Year	Achievements
1	.Tejaswini S.Anu	Convergence	Nano Technology for future Electronics	VNR VJIET	2012	Presented
2	L.V.R Srinivasa Sista Ch.Sai Prasad	Convergence	The Fiber Optic Communication System	VNR VJIET	2012	Presented
3	S.Srinivas Sanjay T.S.N.Karthik	Convergence	Green Economy- What Should India do?	VNR VJIET	2012	Presented
4	P.Ramya G.Srinu	Convergence	Li-Fi	VNR VJIET	2012	Presented
5	M.Sachin Kumar	Convergence	Synthetic Aperture Radar in Digital Signal Processsing	VNR VJIET	2012	Presented

Faculty Awards

Name of the Faculty	Award	Subject	Year
Mr.V Arvind	100% Result	Embedded Software Design	2010
	100% Result	System Modeling and Simulation	2009
	100% Result	Embedded and Real Time Operating Systems	2010
	100% Result	CAN	2011
	100% Result	DSP Processors and	2011

		Architecture	
Mr. T. Jagannadha Swamy	100% Result and 100 Marks	Digital Signal Processing	2009
	100 Marks	Digital Signal Processing	2010
	100% Result	Wireless Communication Networks	2011
	100% Marks	Signals and Systems	2011
	100% Result	Probability Theory and Stochastic Process	2011
Ms. Devika Kataria	100% Result	Advanced Operating Systems	2009
Ms.Shwetha	100% Result	VLSI	2011
	100% Result	Microcontrollers	2011
	100% Result	Microprocessor and Embedded Systems	2011
Mr.M O V Pavan Kumar	100%	Design of Fault Tolerant Systems	2010
	100% Result	Digital System Design	2012
	100% Result	VLSI	2011
Ms.Thripurna	100% Marks	Control Systems	2011
Ms.Padmavathi	100% Marks	Analog Communication	2011
Mr. K Jamal	100% Result	AVLSI	2010
	100% Result	CPLD	2011
	100% Result	AVLSI	2012
	100% Result	AVLSI	2011
	100% Result	CMOS Analog & Mixed Signal Design	2012
Y Sudarshan Reddy	100% Result	Embedded and Real Time Operating Systems	2012
	100% Result	CPLD & FPGA Architectures and Applications	2012
Ms.K Meenakshi	100% Result	Microprocessor and Embedded Systems	2011
	100% Result	Microprocessor and Embedded Systems	2012
G V Subba Reddy	100% Result	Analog IC Design	2010
	100% Result	Low Power VLSI Design	2010
B Kishore Kumar	100% Result	Embedded and Real Time Operating Systems	2010

	100% Result	DSP Processors and Architecture	2010
P Ramya Krishna	100% Result	Scripting and VLSI Design Automation	2010
Ms.Sarika Tuli	100% Result	Advanced Computer Networks	2010
	100% Result	Advanced Computer Networks	2011

24. List of eminent academicians and scientists/ visitors to the department

Name of the Eminent Personality	Affiliation and Organization
Prof KC Reddy, Chairman, APSCHE	High power committee constituted by APSCHE.
Prof Daya Ratnam, former VC, JNTU	
Prof Siddiqui, former VC, OU and Principal Secretary of Education department	
Mr Mahesh Patil	CDAC
Dr Dhanunjay Gadre	NSIT, Delhi
Prof PK Biswas	IIT, Kharagpur
Prof A Biswas	IIT, Kanpur
Dr. Venkat R. Mulpuri	George Mason University, VA, USA.
Dr Sridhar Iyer,	IIT,Bombay
Dr. P. Rama Rao, IAS	Atomic Energy Regulatory Board, Principal Secretary
Mr. N. T. Naidu	Deputy Director, MSME, Hyderabad.
Brig. V.K.Pandey	Secretary General, IETE, Delhi
Prof. K. Lakshminarayana	Council Member, IETE, Hyderabad.
Mr. N. T. Naidu	Dy. Director (Mech), Ministry of Micro Small & Medium Enterprises, MSME-Development Institute, Balanagar, Hyd.
Mr. Robert Lacoste	CEO, ALCIOM, France.
Mr. Sridhar,	Beamform Technologies Pvt. Ltd
Mr Santh Kumar & Mr Raghu	Tata-Elexir
Mr Ranjan	Dhirubai Institute of IT, Gandhinagar
Dr Sanjay	Cummins, USA
Dr Jinaga	SIT, JNTU

Dr Sarat Chandra Babu	Director, CDAC
Dr Senthil Kumar	Satyam, Bangalore
Mr. B. Ravi Kumar	Deputy General Manager/IT, BHEL, Hyderabad
Mr. Anirban Sarkar	Head, South-Asia-Pacific, Imperial College of Science and Technology, Melbourne, Australia
Ms. Garima Saxena	Assistant Manager, Enterprise Business Unit, Idea Cellular Limited, A.P
Mr. Ch. Venugopal,	Amigo-Optima, Hyderabad. 27 March 2012. “Mathematica and Its Capabilities”.

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National :

Name of the Workshop/seminar/conference/SDP	**Funding Agency**
Workshop on Micro-controller applications, 29 Nov - 1 Dec ‘08	GRIET,Hyderabad
Workshop on “Digital Communication using MATLAB” was conducted by Mr KN Balaji Kumar and Mr T Jagannadha Swamy. 29 - 30 Dec ’08	GRIET,Hyderabad
Faculty training in MULTISIM, 22 – 27 Sep ’08	GRIET,Hyderabad
“Comprehensive Program on Embedded System Design”, 15 – 27 Jun 2009	SDP Sponsored by AICTE
Improvements in Teaching Skills, 13-14 Nov 2009	GRIET,Hyderabad
The 8051 Microcontroller Kit, 7-10 Dec 2009	GRIET,Hyderabad
Introduction to DSP using DSK6713, 16-17 Dec 2009	GRIET,Hyderabad
Workshop on Computer Organization and Microcomputers , 29 Aug – 12 Sep 2009	GRIET,Hyderabad
“Comprehensive Program on Embedded System Design”	AICTE
Workshop on Python,27-28 Aug 2009	GRIET,Hyderabad
8-bit Micro Controllers, 29 Dec to 5 Jan 2010	GRIET,Hyderabad
AVR Microcontrollers, 1-6 Feb 2010	GRIET,Hyderabad
Digital Electronics through FPGA, 8-13 Feb 2010	GRIET,Hyderabad

Communications through DSP, 22-27 Feb 2010	GRIET,Hyderabad
"Wireless Networking," 16 Dec. 2010	GRIET,Hyderabad
"Developing & Securing Mobile Internet Applications," 16 Dec. 2010	GRIET,Hyderabad
Workshop on "Wireless" for III and IV Year ECE, 28-30 Dec. 2010.	GRIET,Hyderabad
"Computer Networks. 22 Jan. 2011.	GRIET,Hyderabad
Analog and Digital Signal Design Using Cadence tools, 27 Oct – 1 Nov 2011.	GRIET,Hyderabad
"International Certification Program on Telecommunications & Networking,"14 Nov 2011	GRIET,Hyderabad
"3G Services in India," 25 Nov. 2011	GRIET,Hyderabad
"System design: Hands on schematic entry, layout, and routing for PCB design", 4 Sep. 2011	GRIET,Hyderabad
Five-day Faculty Development Program on "Embedded System Design", 2-7 Feb. 2012.	GRIET,Hyderabad
Applications Using DSP Processors 26-30 March 2012	GRIET,Hyderabad
"Mathematica and Its Capabilities", 27 March 2012.	GRIET,Hyderabad
Digital Design through FPGA 5-9 March 2012	GRIET,Hyderabad
Digital Design using Cadence tools 12-16 March 2012	GRIET,Hyderabad
Embedded System Design 19-24 March 2012	GRIET,Hyderabad

b)International

Name of the Conference	**Funding Agency**
International Conference on Mobile Internet Devices(ICMID), 17-18 Dec 2010	GRIET, Hyderabad

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M	*F	**Pass percentage**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
Environmental Science	180	180	115	65	97.22
Physics	180	180	115	65	95
Basic Electrical	180	180	115	65	97.22
Chemistry	180	180	115	65	95.55
Mathematics – I	180	180	115	65	86.11
English	180	180	115	65	87.78
English Lab	180	180	115	65	99.44

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech	95%	5%	-
M.Tech	98%	2%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No. of Students from the Academic Year 2005:

Civil Services – Nil, GATE – 100, GRE /TOEFL – 200.

29. Student progression

Student progression	Against % enrolled
UG to PG	**10 %**
PG to M.Phil.	**-**
PG to Ph.D.	**Nil**
Ph.D. to Post-Doctoral	-
Employed • Campus selection	74%

Student progression	Against % enrolled
• Other than campus recruitment	5%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

a) Library

Title	**Number**
Academic Books	**218**
National & International Journal	**27**

b) Internet facilities for Staff & Students - **broadband 350 Mbps.**

c) Class rooms with ICT facility

S.No	Usage	Status	Capacity
1	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
2	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
3	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
4	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
5	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
6	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
7	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
8	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
9	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc

d) Laboratories: 13 Labs

1. Analog Electronics
2. Digital Electronics
3. Signals and Systems Simulation Lab

4.IC Applications.
5.Analog Communications.
6.Digital Communications
7.Microprocessors.
8.Microcontrollers.
9.Digital Signal Processing.
10. Microwave and Optical Communication
10. ECAD
11. VLSI.
12. Embedded Systems
13. Digital Image Processing.

31. Number of students receiving financial assistance from college, university, government or other agencies

Sponsoring Agency	Number of Students
GATE Scholarships	42
Govt of Andhra Pradesh Fee Reimbursement	219
SC, ST, and BC Scholarships	
MHRD Scholarships	17
IOCL Scholarships	1

* (for Last three Years to the students of ECE)

32. Details on student enrichment programmes (special lectures/workshops / seminar) with external experts

Enrichment Program	Contributory Inst./ Industry	Organized by	Duration	Resource Persons	Usage and citation etc.
Workshop on "Digital Communication using MATLAB" 29 - 30 Dec '08.	-	GRIET, Hyderabad	2 Days	Mr KN Balaji Kumar and Mr T Jagannadha Swamy	
"Real-Time Operating Systems", 6 Dec	CDAC	GRIET, Hyderabad	2 Hrs	Mr. Mahesh Patil	

2008					
'Design and Programming of AVR Microcontrollers', 20 Feb '09	NSIT, Delhi	GRIET, Hyderabad	1 Day	Dr Dhanunjay Gadre (NSIT, Delhi)	
Advanced Technical Program on MATLAB, Mathematica and Multisim. 19 Jan – 12 Feb '09	-	Basic Sciences Department, GRIET	20 days		V Anil (08241A0457) stood first in the overall assessment. 51 students were short-listed for projects, of which 16 belong to ECE branch.
Lecture - Personality Development, Jul '08		GRIET, Hyderabad	2 hours	Dr JN Murthy, Principal, GRIET	III year (ECE) students.
Workshop, "AVR Microcontrollers," 1-6 Feb. 2010.		GRIET,Hyderabad	5 Days	Mr. KNB Kumar, Ms. N Swetha and Ms. DL Chaitanya	For selected II Year ECE students
Workshop on "Digital Electronics through FPGA", 8-13 Feb. 2010.		GRIET, Hyderabad	5 days	by Mr. KNB Kumar, Mr. K Jamal, Mr. M Kiran and Ms. DL Chaitanya.	For selected II Year ECE students.
Workshop on "Communications through DSP",22-27 Feb. 2010		GRIET, Hyderabad	5 days	by Mr. KNB Kumar, Mr. TJ Swamy, Ms. K Padmavathi and Ms. M Janaki.	For selected II Year ECE students
Workshop, "Digital Electronics through FPGA", 5- 10 April 2010.		GRIET, Hyderabad	5 days	Mr. KNB Kumar, Mr. K Jamal and Ms. DL Chaitanya	For III Year ECE-A and –B students. Organized by
Workshop on "System design: Hands on schematic entry, layout, and		GRIET, Hyderabad	1 Day	Mr. K. N. B. Kumar	For III Year ECE, Section A (22 Students

routing for PCB design", 4 Sep. 2011					
"Computer Networks," 22 Jan. 2011.		GRIET, Hyderabad	2 Hours	Mr. B. Ravi Kumar, Deputy General Manager/IT, BHEL, Hyderabad	Attended by IV ECE and M.Tech students.
Workshop on soft skills	Globe-Arena		2-day		for III Year
Workshop on "Digital Design Through FPGA" 5-9 March 2012.		GRIET, Hyderabad	5 Day	Mrs. D. L. Chaitanya, Mr. K Jamal, Mrs. K. Sreelatha and Mr. M. Kiran	III Year ECE.
Workshop on "Digital Design using Cadence Tools". 12-16 March 2012		GRIET, Hyderabad		Mr. M.O.V. Pavan Kumar, Mrs. D.L. Chaitanya, Mr. K. Jamal and Mr. M. Kiran	ECE III Year
Workshop on "Embedded System Design".26-30 March 2012.		GRIET, Hyderabad		Conducted by Mrs. N. Swetha, Mr. K.N.V. Khasim, Mr. D. Karuna Kumar and Mr. Y. Sudharshana Reddy	ECE III Year

33. Teaching methods adopted to improve student learning

i. **Adopted Outcome based Education Methodology for improved learning**
ii. **Course/Teaching material generated with OBE Standards.**
iii. **Online Course File available for student community to understand various objectives and outcomes of lessons of various courses.**
iv. **Usage of Modern Teaching aids (LCD/OHP/Videos/White Boards) for better understanding**
v. **Adoption of Mentorship for overall development of students**
vi. **More calendar time to facilitate practical exposure.**

vii. **Expert lectures from industry professionals**

viii. **All Final Year student projects and Mini Projects done in-house.**

ix. **Industrial Visits for Real time exposure.**

x. **Display and Demonstration of Students projects at various schools and intermediate colleges in Hyderabad.**

xi. **Encouraging students to participate in EC Events being organized by reputed Colleges, Industries and Government.**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

i. **GRIET, received awards for 3 consecutive years for highest blood donors in Engineering category from Honorable Governor of Andhra Pradesh**

ii. **Organizing various programs under National Service Scheme.**

iii. **Organizing various events to educate student community about Global Warming.**

iv. **Supporting various charitable trusts by providing financial assistance, necessary equipment for self employment.**

35. SWOC analysis of the department and Future plans

a. Strengths:

i. **Adequate number of qualified, experienced and committed faculty.**

ii. **Good Infrastructural facilities**

iii. **Visionary Management.**

b. Weaknesses:

i. **Varied intake quality due to urban rural divide**

ii. **Lack of on campus environment**

c. Opportunities:

i. **EC/IT sector**

ii. **Increased emphasis on higher education and governmental requirements, Research and Development.**

iii. **Increased willingness to accept Indian students to pursue Masters abroad**

d. Challenges:

i. Economic Slow Down and uncertain political and economical conditions

ii. Varied educational and moral standards.

Computer Science and Engineering

1. Name of the department : **Computer Science and Engineering**
2. Year of Establishment: **1997**
3. Names of Programmes/Courses offered
    - **The UG Programme B.Tech, Computer Science and Engineering was established in the year 1997 with an intake of 40 students. Later the intake has been increased to 60 in 1999, 90 in 2000, 120 in 2006 and 180 in 2012.**
    - **The PG Programme M.Tech, Computer Science and Engineering was introduced in 2007 with an intake of 18 students.**
4. Names of Interdisciplinary courses and the departments/units involved

B.Tech Programme:

S.No	Course	Department
1	Mathematics I	Humanities Basic Sciences
2	Engineering Physics	Humanities &Basic Sciences
3	Basic Electrical and Electronics Engineering	Electrical and Electronics Engineering
4	English	Humanities &Basic Sciences
6	Engineering Physics lab	Humanities &Basic Sciences
7	Engineering Workshop	Mechanical Engineering
8	Mathematics II	Humanities &Basic Sciences
9	Mathematics III	Humanities &Basic Sciences
10	Engineering Chemistry	Humanities &Basic Sciences
11	Environmental Science	Bio Technology
12	Engineering Graphics	Mechanical Engineering
13	Engineering Chemistry lab	Humanities &Basic Sciences
14	English Lab	Humanities &Basic Sciences
15	Probability and Statistics	Humanities &Basic Sciences
16	Management Science	Master of Business Applications

17	Electronic devices and circuits	Electronics Communication Engineering
18	Managerial Economics and Financial Analysis	Master of Business Applications
19	English Language Communication Skills Lab	Humanities &Basic Sciences
20	VLSI	Electronics Communication Engineering

5. Annual/semester/choice based credit system (programme wise) :

B.Tech: Semester Based Credit System

M.Tech: Semester Based Credit System

6. Participation of the department in the courses offered by other departments

B.Tech Programmme:

S.No	Course	Departments
1	Computer programming &Data Structures	EEE,Mech,Civil,ECE,BT,BME
2	Java Programming	ECE,Mech
3	Computer NetWorks	BME
4	IT WorkShop	ECE,EEE,Civil,Mech

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :**NIL**

8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	3	4
Associate Professors	6	7
Assistant Professors	18	17

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	**Qualification**	**Designation**	**Specilization**	**No. of Years of Experience**	**No. of Ph.D. Students guided for the last 4 years**
Dr.K.Anuradha	M.Tech,Ph.D	Professor & Head	CSE	26 yrs	4 scholars (Guiding)
Dr.Y.Vijayalata	M.Tech,Ph.D	Professor	CSE	15 yrs	NIL
Prof.G.Mallikarjuna Rao	M.Tech,(Ph.D)	Professor	ECE,CSE	22 Yrs	NIL
Dr.N.Sandhya	M.Tech,Ph.D	Professor	CSE	14 Yrs	NIL
Ch.Mallikarjuna Rao	M.Tech, (Ph.D)	Associate Professor	CSE	14 Yrs	NIL
B. Sankara Babu	M.Tech, (Ph.D)	Associate Professor	CSE	9 Yrs	NIL
V. Sowmya	M.Tech, (Ph.D)	Associate Professor	CSE	7 Yrs	NIL
G.N. Beena Bethel	M.Tech, (Ph.D)	Associate Professor	CSE	10 Yrs	NIL
S. Govinda Rao	M.Tech, (Ph.D)	Associate Professor	CSE	8 Yrs	NIL
P. Vara Prasada Rao	M.Tech, (Ph.D)	Associate Professor	CSE	8 Yrs	NIL
P.L. Srinivasa Murthy	M.Tech, (Ph.D)	Associate Professor	CSE	18 Yrs	NIL
R. Aruna Flarence	M.Tech	Assistant Professor	CSE	8 Yrs	NIL
K.Anusha	M.Tech	Assistant Professor	CSE	3 yrs	NIL
M.Bhargavi	M.Tech, (Ph.D)	Assistant Professor	CSE	3 Yrs	NIL
P.L. Shailaja	M.Tech	Assistant	CSE	3 Yrs	NIL

		Professor			
K. Adi Lakshmi	M.Tech	Assistant Professor	CSE	3 Yrs	NIL
S. Bhargavi Latha	M.Tech	Assistant Professor	CSE	6 Yrs	NIL
A.N. Ashlin Deepa	M.E, (Ph.D)	Assistant Professor	CSE	3 Yrs	NIL
A.Sujatha	B.Tech(M.Tech)	Assistant Professor	CSE	1 Yrs	NIL
Y. Krishna Bhargavi	M.Tech	Assistant Professor	CSE	2 Yrs	NIL
V. Sri Lakshmi	M.Tech	Assistant Professor	CSE	7 Yrs	NIL
Ch. Vidyadhari	M.Tech	Assistant Professor	CSE	7 Yrs	NIL
B.Lalitha	M.Tech	Assistant Professor	CSE	1 Yr	NIL
B.Rupa	M.Tech	Assistant Professor	CSE	6 Yrs	NIL
Syed Firdose	M.Tech	Assistant Professor	CSE	5 Yrs	NIL
Thrilochana Devi	M.Tech	Assistant Professor	CSE	5 Yrs	NIL
A. Manasa Sudha	M.Tech	Assistant Professor	CSE	2 Yrs	NIL
T.Naveen Kumar	B.Tech(M.Tech)	Assistant Professor	CSE	1 yr	NIL

11. List of senior visiting faculty: **Nil**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **Nil**

13. Student -Teacher Ratio (programme wise)

1. **1:13 for B.Tech**
2. **1:15 for M.Tech**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	sanctioned	**Filled**
academic support staff (technical)	6	8
administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

- **3 faculty with Ph.D**
- **23 faculty with M.Tech**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **1**

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

S.No	**Funding Agency**	**Task Description**	**Title**	**Amount Sanctioned(Rs)**
1	DRDO	R&D Project	Development of high performance video surveillance algorithms on cost effective multicore architectures for home land security	9,97,000

18. Research Centre /facility recognized by the University: **No**

19. Publications:

* a) Publication per faculty

S. No	Name of Faculty	Publications /Conferences	National	International	Highest Impact Factor	Citation Index	Books
1	Dr. K. Anuradha	10	2	8			
2	Dr. Y. Vijaya Lata	5					
3	Prof.G. Mallikarjuna Rao	6		6	1		
4	Dr. N. Sandhya	10	2	8			1
5	Ch. Mallikarjuna Rao	1		1			
6	B. Sankara Babu	2					
7	V. Sowmya	1					
8	S. Govinda Rao	1	1				
9	P. Vara Prasada Rao	1		1			
10	P.L. Srinivasa Murthy	4					
11	A.N. Ashlin Deepa	1		1			
12	Y. Krishna Bhargavi	3		3			
13	V. Sri Lakshmi	1					
14	B.Rupa	1	1				
15	Syed Firdose	1		1			
16	A. Manasa Sudha	3		3			

20. Areas of consultancy and income generated : **Nill**

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards….

S.No	Faculty Name	Members in International Committees	Members in Editorial Boards
1.	Dr.K. Anuradha	Member in IEEE	Member in the "Journal of Data Engineering and Computer Science" and " International Journal of Advanced Computing"
2.	Dr.N. Sandhya	Member in CSI	Member in the "Journal of Data Engineering and Computer Science"
3.	Dr.Y. Vijaya lata	Member in IEEE	
4.	Prof. G. Mallikarjuna Rao	Member in CSI	
5.	Ch. Mallikarjuna Rao	Member in IETE	

22. Student projects

B.Tech

a) Percentage of students who have done in-house projects including inter departmental/programme : 95%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 5%

M.Tech

a) Percentage of students who have done in-house projects including inter departmental/programme : 85%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies: 15%

23. Awards/ Recognitions received by faculty and students

S.No	Name of the student	Organization	Award	Year
1	B.Akilesh	ISTE	Best Engineering Student	2008
2	K.Akshay	ISTE	Best Computer Engineering Student	2008
3	K.Bhanu Kalyan	ISTE	Best Computer Engineering Student	2007
4.	CSE Department	NSS	Contribution towards highest blood donation Award	2011
5.	CSE Department	IEEE	Contribution towards Exemplary Student Branch Award	2012
6.	CSE Department	IEEE	Contribution towards IEEE ethics competition Award	2012
7.	CSE Department	Government	Prathibha Scholarship Award	2011

24. List of eminent academicians and scientists/ visitors to the department

S.No	Faculty name	Organisation
1.	Dr.I.V.Murali Krishna	JNTU
2.	Dr.Tnneti Eshwar	ECIL
3.	Dr.K.M.M Rao	NRSA
4.	Dr.N.Ch.Pattabhi Ramacharyulu	NIT
5.	Dr.ChingChungHung	Southern Polytechnic University
6.	Dr.A Govardhan	Director of Evaluation, JNTUH
7.	Dr.N.Somayajulu	NIT, Warangal

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National

S.No	Funding Agency	Task Description	Title	Amount Sanctioned(Rs)
1	AICTE	Seminar Grant (SG)	Algorithms and Data Mining	1,50,000
2	AICTE	Seminar Grant(SG)	Advanced Computing Technologies	1,50,000
3	AICTE	FDP	Emerging Trends in Data Mining	7,00,000
4	TEQIP-II	FDP	**Computational methods emphasis on programming skills & C language**	30,000

b)International

S.No	Funding Agency	Task Description	Title
1	AICTE, New Delhi GRIET, Hyderabad Department of Science and Technology, Government of India	Conference	**Advanced Computing Technologies**
2	AICTE, New Delhi GRIET, Hyderabad Department of Science and Technology, Government of India	Conference	**Advanced Computing Methodologies**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled *M *F**	**Pass percentage**
Mathematics I	120	90	30	60

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M *F	Pass percentage
Engineering Physics	120	99	45	44
Basic Electrical and Electronics Engineering	120	88	44	44
English	120	100	40	60
Engineering Workshop	120	118	58	60
Mathematics II	120	93	38	45

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech	93	5	2
M.Tech	99	1	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

GATE : 20

GRE : 30

TOFEL : 30

CAT : 10

29. Student progression

Student progression	Against % enrolled
UG to PG	32%
PG to M.Phil.	Nil
PG to Ph.D.	0.1%
Ph.D. to Post-Doctoral	Nil
Employed • Campus selection • Other than campus recruitment	 60% 5%
Entrepreneurship/Self-employment	0.2%

30. Details of Infrastructural facilities

a) Library

Area : 64 Sq. m

Amount Spent : Rs. 25,000/-

Timings : 8:00 A.M. To 5:00P.M

Titles : 125

Volumes : 327

Internal Journals : 3

E-Journals : 1

Subjects Cds : 45

Project Cds : 100

b) Internet facilities for Staff & Students: **8 Mbps Internet with Wi-Fi facility**

c) Class rooms with ICT facility : **4**

d) Laboratories:

S.No	Name of the LAB	Room No's	B.Tech/ M.Tech	No.of Systems/ Laptops	Year of Purchage	Name of the Company	Cost(Rs.)
1	UML Lab	1106,1107,1114	B.Tech	56(Systems)	2005	HCL	10,08,000
2	Java And	1304,1305,1314		71(Systems)	2007	Wipro	17,75,000

	Advanced Unix Programming Lab		B.Tech				
3	DataBase and Compiler Design lab	1409	M.Tech	16(Laptops)	2010	HCL	4,56,000
4	DBMS Lab	1306,1307,1313	B.Tech	60(Laptops)	2012	Lenovo	17,10,000

Total Cost =Rs. 49,49,000/-

2. Proposed Laboratory :

S.No	Name of the LAB	B.Tech/M.Tech	No.of Systems/Laptops	Name of the Company	Cost (Rs.)
1	Web Programming Lab	B.Tech	60(Laptops)	Lenovo	17,10,000

31. Number of students receiving financial assistance from college, university, government or other agencies:

S.No	Year	Class	BC	BC-E	SC	ST	EBC	Total
1.	2009-10	IV	30	5	7	5	15	62
2.	2010-11	III	37	6	12	6	14	75
3.	2011-12	II	18	7	6	3	12	46

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S.No	Work shop/seminar/guest lecture/shore term course on	S.No	Work shop/seminar/guest lecture/shore term course on
1	Guest lecture on Design and analysis of Algorithms	9	Guest Lecture On Python Programming
2	Guest lecture on Operating Systems	10	Work Shop on Web Designing
3	Guest Lecture On Computer Networks	11	Work Shop on Mobile Internet Devices
4	Work Shop On Open source Technologies	12	Lecture On Micro Soft Quiz
5	Guest Lecture On DBMS	13	Guest Lecture On FLUX
6	Work Shop On Python Primer	14	Inauguration of IETE students Forum in GRIET
7	Work Shop On Advanced Image Processing Applications	15	Work Shop on Linux Programming
8	Guest Lecture On Software Engineering	16	Workshop on Advances in Image Processing

33. Teaching methods adopted to improve student learning:

1. **Higher usage of ICT: LCD/Web usage etc.,**
2. **More assignments**
3. **Certification Programs like CCNA, OCJP, OCA**
4. **Road shows Projects**
5. **Expert lectures from industry professionals**
6. **Adoption of mentorship for overall development of students**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

1. **Programmes were conducted at schools and other organizations in Robotics, Ethical values etc.,**
2. **Organizing various events to educate student community about Global Warming**
3. **Organizing various programs under National Service Scheme**

35. SWOC analysis of the department and Future plans:

a. Strength:

1. **Qualified and committed faculty**
2. **Good Infrastructure**

b. Weakness:

1. **Poor intake**
2. **Varied student quality due to urban, rural influences**

c. Opportunities:

1. **Increased government recruitment**
2. **IT/ITES sector**
3. **More emphasis by government on education and R&D**
4. **Increased willingness to accept Indian students to pursue Masters abroad**

d. Challenges:

1. **Economic Slow Down and uncertain political and economical conditions.**
2. **Changing educational and moral values**

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department

Electrical and Electronics Engineering Department
Gokaraju Rangaraju Institute of Engineering and Technology
Bachupally, Kukatpally, Hyderabad - 500 090, A.P

2. Year of Establishment

1997

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme of Study	Description
UG(B.Tech) in Electrical and Electronics Engineering	Started with **40** seats in **1997** Intake increased to **60** in **2001** Intake Increased to **120** in **2007** Accredited by NBA in **2006 &** **2009** for Three Years
PG (M.Tech in Power Electronics)	Started with **18** seats in **2006**

4. Names of Interdisciplinary courses and the departments/units involved

S.No	II	Dept.	III	Dept.	IV	Dept.
1	Managerial Economics and Financial Analysis	HBS	Management Sciences	HBS	Neural Networks And Fuzzy Logic	CSE
2	Fluid Mechanics and Hydraulic Machines	ME	Integrated Circuit Applications	ECE		
3	Mathematics-3	HBS	Microprocessors and Microcontrollers	ECE		
4	Electronic Devices and Circuits	ECE				

5	Electronic Circuits	ECE				

*Dept.: Department, HBS: Humanities & Basic Sciences, ME: Mechanical Engineering, ECE: Electronics & Communication Engineering, CSE: Computer Science Engineering.

5. Annual/ semester/choice based credit system (programme wise)

   UG (B.Tech EEE) – Semester – Credit Based System

   PG (M.Tech PE) – Semester – Credit Based System

6. Participation of the department in the courses offered by other department

Basic Electrical Engineering	IT, CSE, MECH, CIVIL
Network Theory	ECE
Principles of Electrical Engineering	IT, CSE, MECH, CIVIL
Electrical Technology	ECE

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

   Course:

   a. Apprentice training to the newly joined employees of Dr. Reddy's Laboratories

   b. Career advancement course conducted to employees of Dr. Reddy's Laboratories

8. Details of courses/programmes discontinued (if any) with reasons

   Nil

9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	5	5
Associate Professors	5	5
Asst. Professors	21	21

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.N.Saxena	Ph.D	Professor	Power Electronics,Electrical Machines,Power Systems	22	3
Prof. P.S.Raju	M.Tech	Director	Power systems	44	nil
Dr. D.V.Pushpalatha	Ph.D	Professor	Cotrol Systems	10	nil
P.M Sarma	Professor M.Tech (1974) Andhra university	Professor	Power Systems	10	nil
V.Vijayaramaraju	M.Tech (NIT warangal) 2001	Assoc.Professor	Power systems	13	nil
M.Chakravarthy	M.Tech (JNTU) 2005 (PhD)	Assoc.Professor	Power systems	13	nil
J.Sridevi	M.Tech (JNTU) 2006 (PhD)	Assoc.Professor	Power systems and Automation	11	nil
D.Swathi	M.Tech (JNTUA) 2006 (PhD)	Assoc.Professor	Control Systems	11	nil
E.Venkateshwarlu	M.Tech (JNTUH) 2010	Assoc.Professor	Power Electronics	3	nil
M.Srikanth	M.Tech (JNTUH) 2008	Asst. Professor	Power Electronics	6	nil
P.Praveen Kumar	M.Tech (JNTUH) 2008	Asst. Professor	Power Electronics	6	nil
Syed.Sarfaraz Nawaz	M.Tech (JNTUH) 2010	Asst. Professor	Power Electronics	5	nil
R.Anil Kumar	M.Tech (JNTUH) 2010	Asst. Professor	Power Electronics	5	nil
U.Viyaya Laxmi	M.Tech (JNTUH)	Asst. Professor	Power Electronics	5	nil

	2010				
K.Sireesha	M.Tech (JNTUH) 2010	Asst. Professor	Power Electronics	5	nil
G.Swapna	B.Tech (JNTUH) 2008 (M.Tech)	Asst. Professor	Power Electronics	3	nil
V.HimaBindu	B.Tech (JNTUH) 2000 (M.Tech)	Asst. Professor	Power Electronics	3	nil
Y.Satyavani	B.Tech (JNTUH) 2009	Asst. Professor	EEE	2	nil
D.Ramya	B.Tech (JNTUH) 2009	Asst. Professor	Power Electronics	3	nil
S.Radhika	M.Tech (JNTUH) 2011	Asst. Professor	Power Electronics	2	nil
A.Vinay Kumar	M.Tech (JNTUK) 2007	Asst. Professor	Power systems and High voltage Engineering	6	nil
V.V.S Madhuri	M.Tech (JNTUK) 2007	Asst. Professor	Advanced Power systems	7	nil
Shiv Kumar	M.Tech (JNTU)	Asst Professor	Power Electronics	4	nil
M.Naga sandhya Rani	B.Tech (JNTUH) 2011	Asst. Professor	EEE	2	nil
G.Naga Sandhya Rani	M.Tech (JNTUH) 2011	Asst. Professor	Power Electronics	2	nil
B.Vasanth Reddy	M.Tech	Asst. Professor	Power Control &Drives	2.5	nil
P.Srividya Devi	M.Tech	Asst. Professor	Electrical Power Engineering	3.6	nil
P.Sireesha	M.Tech	Asst. Professor	Control Systems	4	nil
D.Anusha	M.Tech	Asst. Professor	Power Electronics & Drives	1	nil
M.Rekha	M.Tech	Asst. Professor	Power Electronics	1	nil
M.Ramesh	M.Tech	Asst. Professor	Power Electronics	1	nil

11. List of senior visiting faculty

Dr C. K Sarma, PhD

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

Nil

13. Student -Teacher Ratio (programme wise)

Where STR = Student Teacher Ratio
= (x + y + z) / N1
Where x = Number of students in 2nd year of the program
y = Number of students in 3rd year of the program
z = Number of students in 4th year of the program
N1 = Total Number Faculty Members in the program (by considering fractional load)

Year	x	y	z	x+y+z	N1	STR
2010	129	131	132	392	23	17.04
2011	143	128	131	402	24	16.75
2012	144	144	126	414	32	12.93

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Supporting Staff	Sanctioned	Filled
1	Academic Support	6	6
2	Administrative Support	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Refer Question no.10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

S. No	Year	No. of Faculty
1	2009	24
2	2010	24

3	2012	32

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

S. No	Year	Project	Amount(In Lakhs)
1	2009	MODROBS	9.2
2	2009	NADCON	2.0
3	2010	TEQIP	420.0
4	2012	NMEICT	1.6

18. Research Centre /facility recognized by the University

YES

Letter no: R & D /Regr/Griet/Research-center dated 01/06/2011

19. Publications:

* a) Publication per faculty
* Number of papers published in peer reviewed journals (national / international) by faculty and students
* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
* Monographs
* Chapter in Books
* Books Edited
* Books with ISBN/ISSN numbers with details of publishers
* Citation Index
* SNIP
* SJR
* Impact factor
* h-index

S.No	Name	No.of Publications	No. of books
1	Dr.S.N.Saxena	9	
2	Dr.C.K.Sarma	10	
3	Prof. P.S.Raju	18	6

4	Prof. P.M.Sarma	6	
5	Dr.D.V.PushpaLatha	6	
6	Sri M.Chakravarthy	13	1
7	Sri V.VijayaramaRaju	6	1
8	Smt. J.Sridevi	10	1
9	Smt. D.Swathi	15	1
10	Sri D.VasanthaReddy	10	1
11	Smt. D.Anusha	1	1
12	Smt. M.Rekha	1	1
13	Sri M. Srikanth		1
14	Sri P. Praveen kumar		2
15	Sri Syed.Sarfaraz Nawaz		3
16	Sri R.Anil Kumar		2
17	Ms. U.Viyaya Laxmi		2
18	Ms. K.Sireesha		2
19	Ms. G.Swapna		2
20	Mrs. V.HimaBindu		2
21	Mrs. Y.Satyavani		1
22	Ms. D.Ramya		1
23	Mrs. S.Radhika		1
24	Sri A.Vinay Kumar		1
25	Mrs. V.V.S Madhuri		1
26	Mrs. M.Nagasandhya Rani		1
27	Mrs. G.Naga Sandhya Rani		1

20. Areas of consultancy and income generated

SPONSORED RESEARCH AND CONSULTANCY

CONSULTANCY PROVIDED TO VARIOUS ORGANISATIONS

S. No	Organisation	Amount in Rs
1.	Saradhy Engineering Enterprises, Nuziveedu.	1,95,000 /-
2.	HI-Q Electronics, Hyderabad.	34,000 /-
3.	Saradha Educational Society , Srikakulam.	1,00,000 /-
4.	Sri Saradhy Institute of Engineering and Technology, Nuziveedu.	1,50,000 /-
5.	Saradha Institute of Science and Technology, Srikakulam.	1,49,700 /-
6.	SISTAM Engineering College, Srikakulam.	1,00,000 /-
7.	Sravanthi Engineering Enterprises	50,000 /-
8.	HI-Q Electronics, Hyderabad.	1,32,000 /-
9.	Future Tech, Secundrabad.	1,54,000 /-
10.	VEM Technologies, Hyderabad.	37,900 /-

11.	ISS College of Engineering, Hyderabad.	1,20,000 /-
12.	VEM Technologies, Hyderabad.	1,13,850 /-
13.	Future Tech, Secundrabad.	1,00,000 /-
14.	Sasi Institute of Technology, Tadepalligudem.	1,00,000 /-
15.	ISS College of Engineering, Hyderabad.	9,000 /-
16.	Bhoj Reddy Engineering College, Hyderabad.	1,36,500 /-
17.	SISTAM Engineering College, Srikakulam.	40,000 /-
18.	Sasi Institute of Technology, Tadepalligudem.	1,40,000 /-
19.	VEM Technologies, Hyderabad.	37,909 /-
20.	Kakinada Institute of Engineering & Technology,Kakinada.	500 /-
21.	Kakinada Institute of Engineering & Technology	3,000/-
22.	Sai sudheer Institutute of Sciecne and Technology, Hyderabad	3,00,000/-
23.	TKR College of Engineering and technology	2,00,000/-
	GRAND TOTAL	24,03,359/-

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards….

a. Mr. P M Sarma—First branch counselor of IEEE GRIET student chapter

b. Mr. V Vijaya Ramaraju- workshop Coordinator on Research methodologies conducted by IIT Bombay

c. Mr. M. Chakravarthy –Remote Center Coordinator for IIT Bombay, Aakash co ordinator for NMEICT

d. Mrs. D. Anusha-Departmental IEEE-Student Chapter Committee member

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme --97%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies ---3%

Name of the student(s)	**Project Title**	**Areas of specialization**	**Project Supervisor(s)**

Prathyusha.M	Speed Control of DC motor using DSP TMS 320 LF 2407	DSP	M Chakravarthy
Hema Manvi			
Sravana vindya chinta			
Parameshwari P	7.5 Quasi Resonant Converter ZVS Boost Converter	PE	R Anil Kumar
Amala A			
Puppala Pallavi			
T Jeevan Kishore	ABB-PLC Using Control Logic	CS	M Chakravarthy
S Srinivas			
S Shri krishna			
Sweta Sama	Voltage Sensor Card	PE	G Swapna
Sruti Mathew			

Pavani Ch S A L			
Keerthi S A Saraja P Anusha Toopran	Current Sensor Card	PE	G Swapna
Sharada.p Pallavi.Y Siva Tejaswini.V	PID control of speed of DC motor with Tacho Feed Back	CS	Dr.C.K.Sarma
Navya.B Lakshmi Prashanthi.V Pallavi.P Anusha.K	Determination of Transfer function of a DC motor and Transfer function of complete speed control system using Matlab	CS	Prof.P.M.sarma
Saroja.B Sesha KTejaswini.K Sneha.R Jhansi.K	Hysteresis current control of a DC motor using PWM output to keep Armature current within Limits	EM	B S Krishna Varma
D Narayana santhosh.A Haresh.D Hari Krishna.G Dileep.G	Rotary position systems: Angular position control with digital position sensor	CS	R. Anil Kumar
B N Chaitanya D. Himam Hussian	Power factor control of Induction Motor by measurement of	EM	V V Rama Raju

G Siva Kumar Naveen Kumar .M	PF and add/ remove capacitors using Lab view		
D Chakravarthy C Vikram J Yadagiri	Microcontroller based speed control of DC motor	PE	BS Krishna Varma
Bh Durga Phani Prasad V Manendar Reddy R Sri Hrsha	Closed Speed Control of DC Motor using LABVIEW	CS	BS Krishna Varma
VN Lalith Madhur Mandala KVS Rahul Varma P Vamsi Krishna Varma	OCC and Load Test on Separately Excited DC Generator using PLC	EM	M Chakravarthy
U Mamatha Reddy V Sravanthi T Swetha	Microcontroler based Data Logger	MPMC	K. Chandra shekhar
K Navina Ch Pushyami M Shravya	Speed control of DC motor using PLC	EM	M Chakravarthy

23. Awards/ Recognitions received by faculty and students

YEAR	SUBJECT	STUDENT NAME	ROLL NO.	STAFF NAME	
II	POWER SYSTEMS - I	B Hemanth Singh	10241A0207	SYED SARFARZ NAWAZ	6
		Surendra Ankita	10241A0259		
		Mohammad Asma	10241A0299		
		Koka Santosh Bhargav	10241A0291		
		P Srujan Babu	10241A0243		
		Kukatikari Keerthana	11245A0224		

	NETWORK THEORY	Bingi Saketh Kumar	10241A0273	M SRIKANTH	4
		Yadlapati Kavitha	10241A0265		
		Mupparapu Vidhya Sagar	10241A0237		
		Palasani Sivaiah	10241A02A5		
III	ELECTRICAL MESUREMENTS	Harish Kumar K	09241A0212	K SIREESHA	4
		Sujana Dasara	09241A0249		
		Prashanthi Karnam	09241A0286		
		Veeresh Kotha	09241A02B7		
	MICROPROCESSOR & MICROCONTROLLER	Jagan Surapu	09241A0213	M CHAKRAVARTHY	1
IV	UTILIZATION OF ELECTRICAL ENERGY	Chaitanya Krishna A	08241A0205	J SRIDEVI	5
		Ramya G	08241A0236		
		Diptiman M	09245A0208		
		Mayur Karthik K	08241A0276		
		Vineeth Chowdary K	08241A02B6		

24. List of eminent academicians and scientists/ visitors to the department

    a. Mr. V V S Raju Solar power Expert

    b. Mr. Srinivasa Rao MD Future tech

25. Seminars/ Conferences/Workshops organized & the source of funding

    a)National
    b)International

YEAR: **2009**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education

NADCON Workshop	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty	Helpful in improvement of education
Staff Development Programme Workshop	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects
PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

YEAR: **2010**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects
PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

YEAR: **2011**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Mission 10X	Wipro Technologies	Organized by GRIET	5 Days Oct 2011	Mr. Ganguly	Faculty	Teaching Methodologies
Mission 10X	Wipro Technologies	Organized by GRIET	2 Days Nov 2011	Mr. Srinivas	Faculty	Teaching Methodologies
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty & staff	Helpful in improvement of education
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects
PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

Year 2012:

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
IRM Workshop	IIT Bombay	Mr. M chakravarthy	10 days	Eminent Professors from IIT Bombay	Faculty & students	Helpful for research
Aakash for education	IIT Bombay	Mr. M chakravarthy	2 days	Eminent Professors from IIT Bombay	Faculty	Educating the teachers about Aakash

SHORT TERM COURSES

YEAR: **2009**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education

YEAR: **2010**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education

YEAR: **2011**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty & staff	Helpful in improvement of education

Workshops:
YEAR: 2009

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.

Staff Development Programme	Institution	P.M.Sarma (Prof.)	15 Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
NADCON	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty	Helpful in improvement of education

New Facility Created

Module Description	Any other contributory Inst./Industry	Developed /Organized by	Duration	Resource Persons	Target Audience	Usage and citation etc
In 2009-10						
Automation of Machines LAB using PLC	Institution	P.M.Sarma (Prof.) M.Chakravarthy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	III Year Students	Helpful for Project work
Open circuit characteristics using PLC	Institution	P.M.Sarma (Prof.) M.Chakravarthy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	III Year Students	Helpful for Mini project work
speed control of DC machine using PLC	Institution	P.M.Sarma (Prof.) M.Chakravarthy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	IV Year Students	Helpful for Mini project work
Speed Vs Torque Characteristics of DC Series motor using PLC	Institution	P.M.Sarma (Prof.) M.Chakravarthy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	III Year Students	Helpful for Mini project work
Induction motor starting /speed control by PLC	Institution	P.M.Sarma (Prof.) M.Chakravarthy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	IV Year Students	Helpful for projects
In 2010-11						
Speed control of DC Motor using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	III Year Students	Applicatio n of the subject in industry
Automation of Machines LAB using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy	2 Months	P.S.Raju (Director)	IV Year Students	Applicatio n of the subject in industry

		(Assoc.Prof.)				
Temperature control using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	III Year Students	Application of the subject in industry
Sinusoidal pulsewidth modulation using TI-DSP.	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	2 Months	P.S.Raju (Director)	IV Year Students	Application of the Subject in industry
In 2011-12						
Power Factor measurement using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	III Year Students	Application of the subject in industry
Water level controller using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	IV Year Students	Application of the subject in industry
Display of Hysterisis loop in LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	III Year Students	Application of the subject in industry
Linear voltage Differential Transformer (LVDT) using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	IV Year Students	Application of the Subject in industry
Shunt active power filter using LABVIEW	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	III Year Students	Application of the subject in industry
Identification & Performance Prediction of Hot-air Temperature controller	Institution	P.M.Sarma (Prof.) V.Vijayaramaraju (Assoc.Prof) M.Chakravathy (Assoc.Prof.)	3 Months	P.S.Raju (Director)	IV Year Students	Application of the Subject in industry

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M *F	**Pass percentage**
Managerial Economics and Financial Analysis	-----	144	93, 51	96.5
Fluid Mechanics and Hydraulic Machines	-----	144	93, 51	94
Mathematics-3	-----	144	93, 51	87.5
Electronic Devices and Circuits	-----	144	93, 51	96
Electronic Circuits	-----	144	93, 51	89
Management Science	-----	128	83,45	97.5
Integrated Circuit Applications	-----	128	83,45	78.5
Microprocessors and Microcontrollers	-----	128	83,45	94
Neural Networks And Fuzzy Logic	-----	131	83,48	95.5

*M=Male F=Female

27. Diversity of Students

Name of the Course	**% of students from the same state**	**% of students from other States**	**% of students from abroad**
B.Tech	98%	1%	1%
M.Tech	100%	nil	nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

S. NO	Batch	Students appeared for NET, SLET, GATE, Civil services, Defense services, etc
1	2010	6
2	2011	19
3	2012	30

29. Student progression

Student progression	Against **%** enrolled
UG to PG	32
PG to M.Phil.	Nil

Student progression	Against **%** enrolled
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed • Campus selection • Other than campus recruitment	48 21
Entrepreneurship/Self-employment	2

30. Details of Infrastructural facilities
    a) Library
    b) Internet facilities for Staff & Students
    c) Class rooms with ICT facility
    d) Laboratories

Description of Class rooms, faculty rooms, and seminar and conference halls:

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with
Class Room No. 3206	I year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 3208	I year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2103	II year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2105	II year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2108	III year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2109	III year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2201	IV year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2202	IV year class room	Exclusive	72	White Board and Projector facility is provided.
Class Room No. 2114	Tutorial room	Exclusive	36	Mobile white board is provided
Class Room No. 2113	Tutorial room	Exclusive	36	Mobile white board is provided
HOD room No. 2110	Cubicle for Office of HOD (1no.)	Exclusive	01	Exclusive cubicle for Office of HOD (EEE).
Department office room No. 2110A	Cubicle for Office of HOD (1no.)	Exclusive	04	Exclusive cubicle for Office of HOD (EEE). Book racks have been provided. 2Nos. Pcs with internet have been

				provided.
Room No. 2101	Power Electronics Lab	Exclusive	36	Kits, Bread boards, CROs, Computers
Room No. 2102	Power Electronics Lab	Exclusive	36	Kits, Bread boards, CROs, Computers, software PSIM
Room No. 2104	Control Systems Lab	Exclusive	36	Kits, Computers and MATLAB software
Room No. 2106	Electrical Machines Lab	Exclusive	36	Machines, CROs, connecting wires
Room No. 2107	Electrical Machines Lab	Exclusive	36	Machines, CROs, connecting wires
Room No. 2111	Electrical Circuit Simulation Lab	Exclusive	36	Kits, Computers, CROs,bread boards, function generators, connecting wires, Multi sim software,
Room No. 2112	Electrical Measurements Lab	Exclusive	36	Computers, CROs, and LABVIEW software
Room No. 2203	Microprocessors and Microcontrollers Lab	Exclusive	36	Kits, CROs, connecting wires, Computers, Tasm, Proteus and Keil software
Room No. 2211	Networks Lab	Exclusive	36	Kits, Computers, CROs,bread boards, function generators, connecting wires, Multi sim software,
Room No. 2406	Seminar Hall	Exclusive	150	White boards and projector facility is provided and seating capacity of 150 chairs are provided
Room No. 2110B	Faculty Room (Cubicles for Faculty)	Exclusive	20	Internet and Book racks have been provided in each cubicle

Class Rooms in the Department

Adequate number of rooms for lectures (core/electives), seminars, tutorials, etc for the program

Room No	Usage	Exclusive/ Shared	Room Equipped with
2103	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
2108	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
2105	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
2109	Class Room	Exclusive	White Board, OHP, LCD

			Projector, Four Tube lights, six fans, Wi-Fi
2201	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
2202	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
3206	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi
3208	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans, Wi-Fi

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	2010		2011		2012	
	State Govt.	Others	State Govt.	Others	State Govt.	Others
B. Tech	68	10	69	2	46	1
M. Tech	7	---	7	---	8	---

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvemenof education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education
NADCON Workshop	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty	Helpful in improvement of

						education
Staff Development Programme Workshop	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects
PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

YEAR: **2010**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty& Staff	Helpful in improvement of education
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty& Staff	Helpful in improvement of education
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects

PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

YEAR: **2011**

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
Mission 10X	Wipro Technologies	Organized by GRIET	5 Days Oct 2011	Mr. Ganguly	Faculty	Teaching Methodologies
Mission 10X	Wipro Technologies	Organized by GRIET	2 Days Nov 2011	Mr. Srinivas	Faculty	Teaching Methodologies
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Faculty & staff	Helpful in improvement of education
Teaching Methodology for GRIET Faculty	Institution	P.M.Sarma (Prof.)	Two Days	P.S.Raju (Director)	Faculty & Staff	Helpful in improvement of education
LABVIEW	Institution	V.Hima Bindu (Asst.Prof.)	Two Days	Vijayaramaraju (Assoc.Prof)	III Year Students	Helpful for projects
EAGLE	Institution	G.Swapna (Asst.Prof.)	Two Days	M.Chakravathy (Assoc.Prof.)	III Year Students	Helpful for projects
PROTEUS	Institution	M.Chakravarthy (Assoc.Prof.)	Two Days	P.M.Sarma (Prof.)	IV Year Students	Helpful for projects

Year 2012:

Module Description	Any other contributory Inst./ Industry	Developed / organized by	Duration	Resource Persons	Target Audience	Usage and Citation etc.
IRM Workshop	IIT Bombay	Mr. M chakravarthy	10 days	Eminent Professors from IIT	Faculty & students	Helpful for research

				Bombay		
Aakash for education	IIT Bombay	Mr. M chakravarthy	2 days	Eminent Professors from IIT Bombay	Faculty	Educating the teachers about Aakash

33. Teaching methods adopted to improve student learning

    a. White board

    b. OHP

    c. PPTs

    d. Computer/ Internet

    e. NPTEL Lectures from IITs

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

    a. NSS activities in conduction of Blood Donation Camps

    b. Volunteering for activities at orphanages, Homes for mentally challenged and old age homes.

    c. Plantation programmes

    d. Visiting backward rural areas to educate and enlighten them about health and hygiene.

    e. Cancer awareness programmes

    f. Conducted Ruedo , Environmental fest for the years 2011, 2012

35. SWOC analysis of the department and Future plans

SWOC analysis for EEE Department

(Strengths, Weaknesses, Opportunities, and Challenges)

Strengths:

- Department is fully equipped with good infrastructure
- A clear mission and established policies and procedures
- Our reputation for innovative, student-oriented learning
- The high quality of our faculty and students, and our professional staff
- Our expertise in interdisciplinary methods of research
- Intensive advising
- Our content and process core curriculum
- High demand for admission
- Industry Ready Learning Process
- Collaboration with Outside World
- In-house Product development

Weakness:

- Extremely lean operating budget which leaves little flexibility for programming Innovation (now cut in half)
- Little student involvement in college governance and co-curricular planning
- Too few endowed scholarships for supporting our access and diversity goals
- Spotty use of data in decision making
- No multipurpose spaces for innovative pedagogy and a variety of events, no video Production studio, not enough faculty offices and seminar rooms
- No focused and effective summer session program or curriculum
- Lack of visible identity for the College due to less communication and marketing Strategies.

Opportunities:

- Collaboration with Foreign Universities
- Expanded international studies and global issues curriculum, experience, and programs
- Completion of a full-fledged electronic portfolio system
- Leadership and social entrepreneurship opportunities for students

- Reunions as opportunities to reconnect with alumni and renew the College

Challenges:

- Shifting education and moral values of society
- Long-term, severe downturn in the economy
- Imitation by other colleges of our distinctive features and programs dilutes our uniqueness and competitive advantage.

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department: **Department of Information Technology**
2. Year of Establishment: **1999**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

   4 Year Under Graduate Programme - B.Tech(Information Technology)
   2 Year Post Graduate Programme - M.Tech (Software Engineering)
4. Names of Interdisciplinary courses and the departments/units involved
   - **i. Probability and Statistics – Humanities and Basic Sciences**
   - **ii. Electronics Devices and Circuits – Communication Engineering**
   - **iii. Basic Electrical Engineering – Electrical Engineering**
   - **iv. Operations Research – Mechanical Engineering**
   - **v. Environmental Studies – Bio Technology**
   - **vi. Mathematics – Humanities and Basic Sciences**
   - **vii. Chemistry – Humanities and Basic Sciences**
   - **viii. English – Humanities and Basic Sciences**
   - **ix. ELCS Lab - Humanities and Basic Sciences**
5. Annual/ semester/choice based credit system (programme wise)
   - i. **B.Tech – Semester based -Autonomous GR11(5Theory+3Lab) + JNTUH R09(6 Theory+2 Lab)**
   - ii. **M.Tech – Semester based -Autonomous GR11 (6 Theory+1 Lab)**
6. Participation of the department in the courses offered by other departments
   - **i. Electrical Engineering - Computer Programming and Data Structures**
   - **ii. Mechanical Engineering - Computer Programming and Data Structures**
   - **iii. Bio Medical Engineering - Computer Programming and Data Structures**
   - **iv. Electronics and Communications Engineering – Java Programming**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

   NIL

8. Details of courses/programmes discontinued (if any) with reasons

   NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	**2**	**2**
Associate Professors	**8**	**8**
Asst. Professors	**20**	**20**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization
Dr.T.V.Rajinikanth	Ph.D, Osmania University, 2008	Professor	CSE
Dr.Padmalaya Nayak	Ph.D, NIT Trichy, 2010	Professor	CSE
K.Prasanna Lakshmi	M.Tech, Osmania University 2002, (Ph.D) JNTUH	Assoc. Prof	CSE
Y.J.Nagendra Kumar	M.Tech Andhra University 2005, (Ph.D) Nagarjuna University 2009	Assoc. Prof	CST
P.Gopala Krishna	M.Tech Andhra University 2005, (Ph.D) Andhra University 2010	Assoc. Prof	CST
G.Vijendra Reddy	M.Tech JNTUA 2006 (Ph.D) JNTUK 2010	Assoc. Prof	SE
T.Veena	M.Tech, (Ph.D) RGPV, Bhopal, 2005	Assoc. Prof	CSE
V.Padma	M.Tech JNTUH 2008	Assoc. Prof	CSE
S.Palaniappan	M.Tech Satyabama University 2004, (Ph.D) JNTUH	Assoc. Prof	Bio Informatics
D.V.Rama Raju	M.Tech JNTUH 2010	Assoc. Prof	CSE
T.Anitha	M.Tech JNTUH 2010	Asst. Prof	CSE
K.Archana	M.Tech JNTUH 2011	Asst. Prof	SE
G.Sathyanarayana	M.Tech JNTUH 2012	Asst. Prof	CSE
N.Kalyani	B.Tech JNTUH 2004	Asst. Prof	CSE

A.Pavithra	B.Tech JNTUA 2009 (M.Tech) JNTUH	Asst. Prof	CSE
S.V.Appaji	M.Tech AU 2008, (Ph.D) JNTUH	Asst. Prof	CST
G.Narasimha Raju	B.Tech JNTUH 2010	Asst. Prof	IT
P.Swetha	B.Tech JNTUH 2009 (M.Tech) JNTUH	Asst. Prof	IT
S.Lakshmi Renuka	MSc SVU 2010	Asst. Prof	CS
T.N.P.Madhuri	B.Tech JNTU 2008 (M.Tech) JNTUH	Asst. Prof	CSE
P.K.Abhilash	B.Tech JNTU 2009 (M.Tech) JNTUH	Asst. Prof	SE
V.V.N.A .Bhargavi	M.Tech AU 2008	Asst. Prof	IT
K Sandeep	M.Tech JNTUH 2011	Asst. Prof	SE
K Anil Kumar	M.Tech JNTUH 2011	Asst. Prof	SE
Pushpa Latha	M.Tech ANNA 2011	Asst. Prof	CSE
S Lakshmi Priya	M.Tech ANNA 2011	Asst. Prof	CSE
K Lakshmi Sushma	M.Tech KLU 2010	Asst. Prof	CSE
N Sridevi	M.Tech JNTUH 2012	Asst. Prof	SE
S Anitha	M.Tech St Peter University 2012	Asst. Prof	CSE
J.Sirisha Devi	M.Tech Gitam University 2010	Asst. Prof	CSE

11. List of senior visiting faculty

    NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

    NIL

13. Student -Teacher Ratio (programme wise)

    1: 15

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

    Teaching Assistant - 01

    Lab Assistants - 06

    Office Assistant – 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name	Qualification	Designation	Specilization
Dr.T.V.Rajinikanth	Ph.D Osmania University 2008	Professor	CSE
Dr.Padmalaya Nayak	Ph.D NIT Trichy 2010	Professor	CSE

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received.

NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

NIL

18. Research Centre /facility recognized by the University

iCARNIGEE (Carnigie Milon University) identified GRIET as one of its 50 research centers in India.

19. Publications:

* a) Publication per faculty
* Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of the Faculty	Qualification	Designation	Number of research publications
Dr.T.V.Rajinikanth	Ph.D (CSE)	Professor	25
Dr.Padmalaya Nayak	Ph.D (CSE)	Professor	4
K.Prasanna Lakshmi	M.Tech., (Ph.D)	Assoc Professor	3
Y.J.Nagendra Kumar	M.Tech., (Ph.D)	Assoc Professor	1
T.Veena	M.Tech., (Ph.D)	Assoc Professor	2
S.V.Appaji	M.Tech., (Ph.D)	Assistant Professor	1

20. Areas of consultancy and income generated

Name of the Faculty	Consultancy	Income Generated	Sponsoring Body
Y.J.Nagendra Kumar	griet.ac.in, gokaraju.org, grcp.ac.in deltapapermills.com, weldingforall.com, gangesvalleyschool.com	1 Lakh	GRIET

21. Faculty as members in

    a) National committees b) International Committees c) Editorial Boards

Name of the Faculty	Affiliation	Name of the Journal/Committee
Dr.T.V.Rajinikanth	Nodal Officer, Academics	TEQIP – II, GRIET
	Incharge Officer	UGC – Academic Staff College of JNTUH, at GRIET
	Member	IEEE
	Member	Computer Society of India
	Member, Editorial Board	International Journal of Advanced Computing
	Member, Editorial Board	Journal of Data Engineering and Computer Science
	Program Chair	International Conference on Advanced Computing Methodologies -11,13
	Member	International Conference on Advanced Computing Technologies -08
Sri P Gopala Krishna	Assistant Editor	Journal of Data Engineering and Computer Science

22. Student projects

    a) Percentage of students who have done in-house projects including inter departmental/programme : **B.Tech: 90%** **M.Tech: 70%**

    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies :
    B.Tech: 10% **M.Tech: 30%**

Research Laboratories: AP state Remote Sensing Agency, Indian National Center for Ocean Information Services

Industry: Tata Consultancy Services, Infotech Enterprises Limited

Other Agencies: Jay Robotix Pvt. Limited, Idea Labs, Data Point.

23. Awards/ Recognitions received by faculty and students

Student Gold Medals:

Name of the Student	Year of Passing	Award Received From
T Krishna Teja	2012	JNTU, Hyderabad
K Shanthi	2011	JNTU, Hyderabad
K Raghav Pavan Srivatsava	2010	JNTU, Hyderabad
T V Anjana	2005	JNTU, Hyderabad
V Preetham	2011	Sujana Industries Limited, Hyderabad
Swetha Mohanti	2004	All India Topper of Civil Services Exam

Student Recognitions:

Sno	**Team**	**Event Name**	**Paper**	**College Name**	**Year**	**Achievements**
1.	Yoshitha P	IEEE Project Display	Ethical Hacking	DIET, Anakapalli	2012	$ 450 cash prize
2	K Mahatma Reddy	TCS Training	-	-	2011	Kudos Award for Best Trainee
3	K Shanthi	TCS Training	-	-	2011	Best Perofmer in Trainees
4	D.Satya Vijay	Valorous-2K10	Manets	MLR Institute of Technology	2011	Won I Prize
5	P.Aditya, V.Preetham	Valorous-2K10	Computer Networking	MLR Institute of Technology	2011	Presented
6	G.Akileshwar, P.Kiran Kumar	TechnoFeast 2011	Automatic Car Parking	JNTU-H	2011	Presented
7	R.Lavanya, R.Divya	Acumen-10	Ethical Hacking	Vasavi College of Engineering	2010	Presented
8	Jogindra Babu	Promethean-10	Smart Dust	BVRIT	2010	Presented
9	J Raghavendra	Robotics	Competitions	GRIET	2010	Conducted

Sno	Team	Event Name	Paper	College Name	Year	Achievements
10	Prathyusha devi dandu	Paper presentation	Digital Jewellery	Malla reddy college	2010	Presented
11	Kalyan, Obul Reddy, Kaushik	Mobile Gaming	Great Escape	GRIET	2010	Participated
12	Vandana patel, D.Neeraja	Poster presentation	Red Tacton	Kakatiya Institute of Technology and Science,Warangal	2009	Presented
13	K.Krishna , Sai kiran , Pavan, Anuj	Mobile Gaming	Thakatwar	GRIET	2010	Won First Prize
14	Vandana patel, D.Neeraja	Paper presentation	Surface Computing	Kakatiya Institute of Technology and Science,Warangal	2009	Presented
15	V.Srilakshmi	Paper presentation	Mobile computing	GRIET	2009	Presented
16	G Sravanthi	Paper Presentation	Cloud Computing	GRIET	2009	Presented
17	Preetham	Robotics	Sumo Wrestling	GRIET	2009	Presented
18	Preetham	Robotics	Racing	SNIST	2009	Participated
19	Preetham	Robotics	Sumo	SNIST	2009	Participated
20	Prudhvi	Paper presentation	Digital Images	GRIET	2009	Presented
21	Prudhvi, MVSN ArunKumar, K.Krishna	Robotics	Robo fight	CBIT	2009	Participated
22	Prudhvi, MVSN ArunKumar	Robotics	Mortal Combat	CBIT	2009	Participated
23	G.kirankumar, K.Krishna	Robotics	Battle Royal	Muffakhamja college of Engineering & Technology	2009	Participated
24	K.Krishna	Robotics	Yoddha	SNIST	2009	Participated
25	Srikanth	Paper presentation	Digital Images	GRIET	2009	Presented
26	D.vinod	Robotics	Sumo Wrestling	Muffakhamja college of Engineering & Technology	2009	Participated

27	D.vinod	Robotics	Sumo Wrestling	BVRIT	2009	Participated
28	Vandana patel, D Neeraja	Paper presentation	Digital Jewellery	TKR college of Engineering & Technology	2009	Won Third Prize
29	G.kirankumar,	Robotics	Operation a maze	CBIT	2009	Won Second Prize
30	K.Krishna	Robotics	Mortal Combat	CBIT	2009	Won Third Prize
31	Sai kiran	Robotics	Robo War	BVRIT	2009	Won Second Prize
32	Sai kiran	Robotics	Robo War	DVRCET	2009	Won Second Prize
33	Sai kiran	Robotics	Tug of war	Vasavi Engg	2009	Won Second Prize
34	Raghav Pavan		Ultimate Techie	Cognizant	2009	Won Second Prize
35	Karthik Reddy	TechFest	Full Throttle Earth Bound	IIT Bombay	2009	Participated
36	Karthik Reddy	Robotics	Line follower	DVRCET	2009	Won First Prize
37	Karthik	Robotics	Gladiator	VNRVJIET	2009	Won Second Prize
38	Karthik	Robotics	Color Maze	VNRVJIET	2009	Won First Prize
39	Karthik	Robotics	Sumo Bots	MGIT	2009	Won First Prize
40	Karthik Reddy	Robotics	Solar Drag Race	MGIT	2009	Won First Prize
41	Karthik Reddy	Robotics	JunkYard Wars	MGIT	2009	Won First Prize
42	Karthik Reddy	Robotics	Soccer	DVRCET	2009	Participated
43	Karthik Reddy	Robotics	Robo War	DVRCET	2009	Participated
44	Karthik Reddy	Robotics	All Terrain	DVRCET	2009	Participated
45	Karthik Reddy	Robotics	Line follower	VNRVJIET	2009	Participated
46	Karthik Reddy	Robotics	Soccer	VNRVJIET	2009	Participated
47	Arvind	Robotics		Vasavi	2009	Participated
48	Bhanu Chandra	Robotics		Vasavi	2009	Participated
49	Vijay sai Teja	Robotics		Vasavi	2009	Participated
50	Abdul Matun Md	Robotics		Vasavi	2009	Participated
51	Vandana patel, D.Neeraja	Robotics	Usain Bolt	GRIET	2008	Participated
52	V.Srilakshmi	Robotics	Usain Bolt	GRIET	2008	Participated
53	V.Srilakshmi	Paper Presentation	FireWalls	CMR Group of Institutions	2008	Presented

Faculty Awards

Name of the Faculty	Award	Subject	Year
Dr T V Rajini Kanth	Academic Excellence (100% Pass)	Data Warehousing and Data Mining	2012
	Academic Excellence (100% Pass)	Image Processing and Pattern Recognition	2011
Dr Padmalaya Nayak	Academic Excellence (100% Pass)	Multimedia and Rich Internet Development	2011
K Prasanna Lakshmi	Academic Excellence (100% Pass)	Service Oriented Architecture	2012
Y Jeevan Nagendra	Academic Excellence (100% Pass)	Java and Web Technologies	2011
	Academic Excellence (100% Pass)	Java and Web Technologies	2012
P Gopala Krishna	Academic Excellence (100% Pass)	Software Requirements and Estimation	2010
	Academic Excellence (100% Pass)	Software Quality Assurance and Testing	2011
	Academic Excellence (100% Pass)	Software Requirements and Estimation	2011
	Academic Excellence (100% Pass)	Software Requirements and Estimation	2012
G Vijendar Reddy	Academic Excellence (100% Pass)	Object Oriented Modeling	2010
	Academic Excellence (100% Pass)	Software Architecture and Design Patterns	2011
	Academic Excellence (100% Pass)	Object Oriented Modeling	2012
Veena Trivedi	Academic Excellence (100% Pass)	Distributed Databases	2010
	Academic Excellence (100% Pass)	Distributed Computing	2011
	Academic Excellence (100% Pass)	Distributed Computing	2012
V Padma	Academic Excellence (100% Pass)	Advanced Computer Networks	2011
S V Appaji	Academic Excellence (100% Pass)	Object Oriented Modeling	2011

24. List of eminent academicians and scientists/ visitors to the department

Name of the Eminent Personality	Affiliation and Organization
Dr Ching Chung Hung	Dean, Southern Polytechnic University
Dr D Purandeswari	Hon'ble Minister of State for MHRD, Govt of India
Dr Ponnala Lakshmaiah	Honorable Ministoer of IT of AP, Visited dept stall at
Dr Peter Chalk	Dean, London Metropolitan Univeristy
Dr P Sathish	University of Maryland
Dr Lal Kishore	Vice Chancellor, JNTUAnantapur
Dr G Tulasi Ram Das	Vice Chancellor, JNTU Kakinada
Suzanne Bedell	Global Head, ELSEVIER Publications
Mindy Lee	Global Head, ELSEVIER Publications
Mr Saravanan	Indian Head, ELSEVIER Publications
Dr P C Shenoi	Director, INCOIS
Dr I V Murali Krishna	Ex Director R & D, JNTUH
Dr D Janaki Ram	IIT Madras
Dr C Krishna Mohan	IIT Hyderabad
Dr N Somayajulu	Professor, Dept of CSE, NIT Warangal
Dr Brihadeshwar	Professor, IIIT, Hyderabad
Dr A Vinaya Babu	Principal, College of Engg., JNTUH
Dr A Damodaram	Director, AAC, JNTUH
Dr A Govardhan	Director of Evaluation, JNTUH
Dr Manjula Vani	Director, ASC, JNTUH
Dr O B V Ramanaiah	Prof & Head, Dept of CSE, JNTUH
Dr K Vijaya Kumari	Professor, Dept of CSE, JNTUH
Dr A Ananda Rao	Professor, JNTUA
Dr I Ramesh Babu	Professor, Acharya Nagarjuna Univ
Dr T Arun Kumar	Professor, VIT, Tamilnadu
Dr P Krishna Reddy	Professor, IIIT Hyderabad

Dr P Prem Chand	Professor, Osmania University
Dr C R Rao	Professor, University of Hyderabad
Dr V Ravi	IDRBT, Hyderabad
Dr Radha Krishna	Infosys, Hyderabad
Dr Sabath	Professor, University of Hyderabad
Dr Rajivankar	Professor, University of Hyderabad
Sandeep Kunchala	Director, Dell
Dr Sriram	Site Director, Dell, Hyderabad
Dr P S Avadhani	Professor, Andhra University
Dr M Sashi	Professor, Andhra University
Dr D Lalitha Bhaskari	Professor, Andhra University

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National :

Name of the Workshop/seminar/conference/SDP	Funding Agency
Network Administration	TEQIP – II, GRIET, Hyderabad
Hardware and Networking	TEQIP – II, GRIET, Hyderabad
Web Mining	University Grants Commission - ASC
Algorithms and Data mining	AICTE, New Delhi
Advanced Algorithms and Data Mining	AICTE, New Delhi
Mission 10 X	Wipro Technologies
Teaching Methodology for GRIET Faculty	GRIET, Hyderabad
Soft Skills Workshop	Career Launcher, Hyderabad
Mobile Gaming	Idea Labs, Hyderabad
INFOMATICA Workshop	Wilshire Technologies, Hyderabad
Andriod Technologies	Think Labs, IIT, Bombay
eTrix ROBO Workshop	Think Labs, IIT, Bombay
IBM Rational Rose	IBM, Bangalore
LogiTrix	Think Labs, IIT, Bombay

Haptic Robotic Arm	Technophilia, IIT Kanpur, Kanpur
Cloud Computing Technologies	Manjeera Software Solutions, Banglore
Robotronix	Technophilia, IIT Kanpur, Kanpur
Mobitronix	Technophilia, IIT Kanpur, Kanpur
IBM DB2	IBM, Hyderabad
Roboliga	Technophilia, IIT Kanpur, Kanpur

b)International

Name of theConference	Funding Agency
International Conference on Advanced Computing Methodologies – 2011	Department of Science and Technology, Government of India
	AICTE, New Delhi
	GRIET, Hyderabad
International Conference on Advanced Computing Technologies – 2008	Department of Science and Technology, Government of India
	AICTE, New Delhi
	GRIET, Hyderabad

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled**		**Pass percentage**
			***M**	***F**	
Environmental Science	132	132	78	54	95
Probability and Statistics	132	132	78	54	78
Operations Research	121	121	64	47	91
English Lab	121	121	64	47	99
Mathematics - I	120	120	68	52	82

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech	95%	5%	-
M.Tech	98%	2%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

No. of Students from the Academic Year 2005:

Civil Services – 01, GATE – 25, GRE /TOEFL – 75

Student progression

Student progression	Against % enrolled
UG to PG	**10 %**
PG to M.Phil.	**-**
PG to Ph.D.	**0.6 %**
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	 74% 5%
Entrepreneurship/Self-employment	5%

29. Details of Infrastructural facilities

a) Library

Title	**Number**
Academic Books	**163**
IEEE transactions	**10**
Magazines	**25**

b) Internet facilities for Staff & Students

broadband 10 Mbps(SIFY)

c) Class rooms with ICT facility

S.No	Usage	Status	Capacity
1	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
2	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
3	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
4	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
5	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
6	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
7	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc
8	Class Room	Exclusive	White Board, OHP, LCD Projector, Four Tube lights, six fans etc

d) Laboratories

S.No	Usage	Shared/ exclusive	Capacity	Rooms equipped with
1	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
2	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
3	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
4	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
5	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
6	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
7	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
8	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board

9	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
10	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet,White Board
11	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet
12	Lab	Exclusive	36	Systems, Tables, Chairs, LAN, Internet

30. Number of students receiving financial assistance from college, university, government or other agencies

Sponsoring Agency	Number of Students
GATE Scholarships	13
Govt of Andhra Pradesh Fee Reimbursement	145
SC, ST, and BC Scholarships	
MHRD Scholarships	12
GRIET Scholarships	6

* (for Last three Years to the students of IT)

31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Enrichment Program	contributory Inst./ Industry	Organized by	Duration	Resource Persons	Usage and citation etc.
CCNA	JETKING	Organized by IT	45 days	Mrs. Kusuma	Hands on Experience on Networking
Web Mining	UGC-ASC, JNTU, WilshireTechnology	Organized by IT	2 days	Dr.A.Govardhan, Dr.T.V.Rajinikanth, Mr. Srinivas	Research on web mining, data mining
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	2 Days	P.M.Sarma (Prof.)	Helpful in improvement of education
NADCON Workshop	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Helpful in improvement of education
Mobile Gaming	Idea Labs	Organized by IT	30 Days	Mr. Awad Hussain	Hands on Experience on Mobile Gaming Technologies
OCA	MySql	Organized by	45 days	Mr. Praveen	Databases, oracle

		IT			certification course
SCJP	Sun MicroSystems	Organized by IT	30 days	BalaSubhramanyam	Java Certification course
DOT NET	Data Point	Organized by IT	30 days	Mr.Anand	DOT NET certification course
Mobile Gaming	Idea Labs	Organized by IT	30 Days	Mr. Siva	Hands on Experience on Mobile Gaming Technologies
WEKA Lab	WilshireTechnology	Organized by IT	6 Days	Mr. Srinivas	Hands on Experience on Data mining tool
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	2 Days	P.M.Sarma (Prof.)	Helpful in improvement of education
INFOMATICA Lab	WilshireTechnology	Organized by IT	4 days	Mr. Srinivas	Hands on Experience on Data mining tool
Andriod Workshop	Technophilia IIT Kanpur	Organized by IT	2 Days	Mr. Ansari	Hands on Experience on Andriod Technologies
eTrix ROBO Workshop	Technophilia, IIT Bombay	Organized by IT	2 Days	Mr. Pranav	Hands on Experience on Robotic Fundamentals
Soft Skill course	Institution	Dr.S.N.Saxena (Prof.)	Two Days	P.M.Sarma (Prof.)	Helpful in improvement of education

32. Teaching methods adopted to improve student learning

i. **Adopted Out come based Education Methodology for improved learning**
ii. **Course/Teaching material generated with OBE Standards.**
iii. **Online Course File available for student community to understand various objectives and outcomes of lessons of various courses.**
iv. **Usage of Modern Teaching aids (LCD/OHP/Videos/White Boards) for better understanding**
v. **Adoption of Mentorship for overall development of students**
vi. **International Certification Programs (like OCA, OCP, SCJP, CCNA) to meet industry requirements.**
vii. **More calendar time to facilitate practical exposure**

viii. **Expert lectures from industry professionals**

ix. **Final Year student projects at reputed research organizations like INCOIS, NRSA, TCS, INFOTECH.**

x. **Industrial Visits for Real time exposure (like HCL Laptop Plant @ Pondichery, TCS, INFOSYS)**

xi. **Visits to International Business schools to enhance the entrepreneurial skills of student community.**

xii. **Display and Demonstration of Students projects at various schools and intermediate colleges in Hyderabad.**

xiii. **Encouraging students to participate in IT Summits being organized by reputed IT Industries and Government. (like IT Summit at HICC, Hyderabad by Govt of Andhra Pradesh)**

33. Participation in Institutional Social Responsibility (ISR) and Extension activities

i. **GRIET, received awards for 3 consecutive years for highest blood donors in Engineering category from Honorable Governor of Andhra Pradesh**

ii. **Organizing various programs under National Service Scheme**

iii. **Student groups for Indian Youth Climate Network**

iv. **Organizing various events to educate student community about Global Warming**

v. **Supporting various charitable trusts by providing financial assistance, necessary equipment for self employment.**

34. SWOC analysis of the department and Future plans

a. Strengths:

i. **Adequate number of qualified, experienced and committed faculty.**

ii. **Good Infrastructural facilities**

iii. **Visionary Management.**

b. Weaknesses:

i. **Varied intake quality due to urban rural divide**

ii. **Lack of on campus environment**

c. Opportunities:

i. **IT/ITES sector**

ii. **Increased emphasis on higher education and governmental requirements, Research and Development.**

iii. **Increased willingness to accept Indian students to pursue Masters abroad**

d. Challenges:

i. **Economic Slow Down and uncertain political and economical conditions**

ii. **Varied educational and moral standards.**

In

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department :Mechanical Engineering Department
2. Year of Establishment :1997
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Program of Study	Description
UG in B.Tech - Mechanical Engineering	Started with **60** seats in **1997** Intake increased to **90** in **2002** Intake increased to **120** in **2006**
PG in M Tech - Design for Manufacturing	Started with **18** seats in **2004**

4. Names of Interdisciplinary courses and the departments/units involved

   Propability & Statistics From Basic Sciences

   Managerial Economics & Financial Analysis from MBA

   Basic Electrical Engineering From EEE Department

   Core Java From CSE Department

   Fluid Mechanics & Hydraulics to EEE Branch
5. Annual/ semester/choice based credit system (programme wise) :

   Semester System for B.Tech mechanical (I,II,III,IV Years) & M.Tech (DFM) Course I & II Years
6. Participation of the department in the courses offered by other departments

S.No	Program(UG)	Department
1	B.Tech	EEE
2	B.Tech	CIVIL
3	B.Tech	For All Branches Engineering Graphics

In

4	B.Tech	IT,EEE Branches (Management Science)

7. Courses in collaboration with other universities, industries, foreign institutions, etc.
   NIL
8. Details of courses/programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	sanctioned	Filled
Professors	5	8
Associate Professors	8	8
Asst. Professors	15	15

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name of the Faculty	Qualification, University and year of graduation	Designation and Date of joining the Institution	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K.G.K. Murti	Ph.D/Madras University	Professor 10.12.03	Welding	40	5
Dr. P.S.V. Kurma Rao	Ph.D/ AU	Professor 22.12.05	Thermal	33	-
Dr. Adapa Rama Rao	Ph.D/ JNTU	Professor 12.12.05	Thermal	39	-

In

Dr. Jandhyala N Murthy	Ph.D/ Crafield	Professor 15.03.01	Thermal - Propulsion	40	-
Dr. Swadesh Kumar Singh	Ph.D	Professor 08.01.07	Metal Forming	9	-
Dr. V.V. Kutumba Rao	Ph.D	Professor 01.01.2010	Metallurgy	40	12
Dr. D Govardhan	Ph.D	Assoc.Prof 12.07.2000	Production	24	-
Dr.PAPN Varma	Ph.D	Assoc.Prof 04.09.98	Production	24	-
PPC Prasad	M.Tech	Assoc.Prof 14.06.04	Machine Tools	33	-
R.Raman Goud	M.Tech	Assoc. Prof 15.09.05	Production	13	-
D. Ramana Reddy	M.Tech	Assoc. Prof 04.08.2008	Manufacturing	6	-
B.Ch. Nooka Raju	M.Tech/2004/NITC	Assoc. Prof 07.02.05	Thermal	8	-
L. Jaya Hari	M.Tech/MS/SWEDEN	Assoc. Prof 14.11.05	Design	7	-
P.Santhi Babu	M.E/NIT /Trichy/1982	Assoc. Prof 07.09.2009	Production	41	-
D.S. Naga Raju	M.Tech/Bhopal	Assoc. Prof 07.07.06	Industrial Engineering	10	-
M.Aditya Nag	B.Tech/JNTUH	Asst. Prof 14.09.2009	CAD/CAM	3	-
P. Srinivas	M.Tech/OU	Asst. Prof 07.07.08	Tool design	4	-
S. Ravi Sekhar	M.Tech/JNTU	Asst. Prof 14.07.08	DFM	29	-
V. Ratna Kiran	M.Tech/NITW	Asst. Prof 03.12.08	CIM	9	-
D.Eswaraiah	M.Tech/2009/JNTU	Asst. Prof 21.07.2010	Thermal	3	-
Y.Shanti	M.Tech/2007/JNTU	Asst. Prof 26.07.2010	Design	6	-

In

K.Vasundhara	M.Tech/2011/AU	Asst. Prof 26.07.2010	Design	5	-
G Gayathri Tanuja	M Tech/JNTU	Asst. Prof. 27.06.2011	Design	9	-
U S Jyothi	M.Tech/2001/JNTU	Asst. Prof. 30.06.2011	Thermal	14	-
T Deepthi	M Tech/AU	Asst. Prof. 07.07.2011	CAD/CAM	3	-
Anitha Lakshmi	M.Tech	Asst Prof	CAD/CAM	5	-
Durga Prasad	M.Tech	Asst Prof	Design	2	-
Koteswara Rao	M.Tech	Assoc Prof	Design	28	-
B.Tanya	M.Tech	Asst Prof	Design	1	-
M.Ratna Deepika	M.Tech	Asst Prof	CAD/CAM	1	-
J. Venkata Suresh	M.Tech	Asst. Prof	Thermal	6	-

11. List of senior visiting faculty

    1.Dr.K.V.Sharma,Prof., JNTU Hyderabad

    2.prof. Krishnan , IIT Delhi

    3.Dr.ACS Kumar,Prof., JNTU Hyderabad

    4.Dr.AVS Raju,Prof.,JNTU Kakinada

    5.Dr. Ranga Janardhan, Prof.,JNTU Hyderabad

    6.Dr.B.Balu Naik,Prof.,JNTU Hyderabad

    7.Dr.A.Sethuramaiah,Retd.Prof.,IIT Delhi

    8.Dr.B.V.Satyanarayana Rao,Prof.,VNR VJIET

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

    NIL

13. Student -Teacher Ratio (programme wise)

    STR is desired to be 15 or superior

    Assessment = 20 * 15 / STR; subject to Max. Assessment of 20

In

STR Ratio = Student Teacher

= (x + y + z) / N1

x = Number of students in 2nd year of the program

y = Number of students in 3rd year of the program

z = Number of students in 4th year of the program

N1 = Total Number Faculty Members in the program (by considering fractional load)

Year	X	Y	Z	x+y+z	N1	STR	Assessment (Max. is 20)
CAYm2	134	126	133	393	28	14.03	17.10
CAYm1	129	132	122	383	28	13.67	17.55
CAY	144	131	131	406	31	13.09	18.33
Average Assessment							17.67

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

    10 Available

    Sanctioned..8

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name of the Faculty	Qualification, University and year of graduation	Designation and Date of joining the Institution	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K.G.K. Murti	Ph.D/Madras University	Professor 10.12.03	Welding	40	5
Dr. P.S.V. Kurma Rao	Ph.D/ AU	Professor 22.12.05	Thermal	33	

In

Dr. Adapa Rama Rao	Ph.D/ JNTU	Professor 12.12.05	Thermal	39	
Dr. Jandhyala N Murthy	Ph.D/ Crafield	Professor 15.03.01	Design	40	
Dr. Swadesh Kumar Singh	Ph.D	Professor 08.01.07	Metal Forming	9	
Dr. V.V. Kutumba	Ph.D	Professor 01.01.2010			
Dr. D Govardhan	Ph.D	Assoc.Prof 12.07.2000	Production	24	
Dr.PAPN Varma	Ph.D	Assoc.Prof 04.09.98	Production	24	
PPC Prasad	M.Tech	Assoc.Prof 14.06.04	Machine Tools	33	
R.Raman Goud	M.Tech	Assoc. Prof 15.09.05	Production	13	
D. Ramana Reddy	M.Tech	Assoc. Prof 04.08.2008	Manufacturing	6	
B.Ch. Nooka Raju	M.Tech/2004/NITC	Assoc. Prof 07.02.05	Thermal	8	
L. Jaya Hari	M.Tech/MS/SWEDEN	Assoc. Prof 14.11.05	Design	7	
P.Santhi Babu	M.E/NIT /Trichy/1982	Assoc. Prof 07.09.2009	Production	41	
D.S. Naga Raju	M.Tech/Bhopal	Assoc. Prof 07.07.06	Industrial Engineering	10	
M.Aditya Nag	B.Tech/JNTUH	Asst. Prof 14.09.2009	CAD/CAM	3	
P. Srinivas	M.Tech/OU	Asst. Prof 07.07.08	Tool design	4	
V. Ratna Kiran	M.Tech/NITW	Asst. Prof 03.12.08	CIM	9	
D.Eswaraiah	M.Tech/2009/JNTU	Asst. Prof 21.07.2010	Thermal	3	
Y.shanti	M.Tech/2007/JNTU	Asst. Prof 26.07.2010	Design	6	

In

K.Vasundhara	M.Tech/2011/AU	Asst. Prof 26.07.2010	Design	5	
G Gayathri Tanuja	M Tech/JNTU	Asst. Prof. 27.06.2011	Design	9	
U S Jyothi	M.Tech/2001/JNTU	Asst. Prof. 30.06.2011	Thermal	14	
T Deepthi	M Tech/AU	Asst. Prof. 07.07.2011	CAD/CAM	3	
Anitha Lakshmi	M.Tech	Asst Prof	CAD/CAM	5	
Durga Prasad	M.Tech	Asst Prof	Design	2	
Koteswara Rao	M.Tech	Asst Prof	Design	28	
B.Tanya	M.Tech	Asst Prof	Design	1	
M.Ratna Deepika	M.Tech	Asst Prof	CAD/CAM	1	

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

3 Faculty

Dareddy Ramana Reddy, Asso. Professor

Dr. S.K.Singh, Professor

Dr. P.S.V. Kurma Rao, Professor

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

RESEARCH PROJECTS SANCTIONED

Sl.No.	Name of the Faculty	Title of the Project	Name of the Funding Agency	Year	Duration	Amount
1	**Dareddy Ramana Reddy**	**Study and development of asbestos-free brake friction-lining with agro-waste**	**AICTE**	**2011**	**Two years**	**9.5 lacs**
	Dr.PSVKurmarao	Thermal Hydraulic analysis of Heat Pipe	AICTE	2012	2 years	Rs.6.0 lakkhs

In

		Heat Sinks				

1. Title of the Project :Study and development of asbestos-free brake friction-lining with agro-waste

Name of the Principal Investigator: Dareddy Ramana Reddy
Name of the Co-ordinator: Dr Swadesh Kumar Singh
Name of the Funding Agency:AICTE
Duration : two years
Status of the Project : Ongoing

Brief Discription of the Project : Development of innovative friction materials by adopting sustainable approaches via utilization of agro waste by-products would be a solution not only to control the health hazards but also to reduce the extent of dependence on depleting resources and to save the environment from the end products.At present lot of research is undergoing in this area to increase the know how of the different materials (especially composites from agrowaste) for applications in friction lining. Selection of ingredients and their composition levels in order to achieve better physical and mechanical properties for making the product as compared to the existing system. Study the effect of extent of product behavior on the performance parameters like dimensional stability at high temperature and other functional characteristics. Economic aspects of this product with the available commercial products are to be considered. From the primary investigations, it is found that it is at least two times lesser than the existing product.

1. Title of the Project :Thermal Hydraulic Analysis of Heat Pipe Heat Sinks

Name of the Principal Investigator:Dr.P.S.V.Kurmarao

Name of the Co-Investigator:B.Ch.Nookaraju

Name of the Funding Agency:AICTE

Duration :Two Years

Status of the Project : Ongoing : CFD software ANSYS CFX 14.0 procured for modelling and analysis. Two numbers of Heat pipes procured.

Brief Discription of the Project : It is proposed to establish analytical and experimental test rigs

18. Research Centre /facility recognized by the University

Recognized by JNTU, Hyderabad

In

19. Publications:

- a) Publication per faculty
- Number of papers published in peer reviewed journals (national / international) by faculty and students
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

List of Publications Done by Staff & Students in International Conferences

1. Dr. KGK Murti , "Selection of processes for Dissimilar Material Joining", International Welding Symposium 2012 conducted by Indian Welding Society between 30-10-2012 to 01-11-2012. Pp-16 (paper code : IPA 002).
2. Dr. KGK Murti, M.S.N.Gupta, B Balunaik, "Thermo-mechanical Model of Friction Stir Welding Applied to Al/Cu Bimetallic Lap Joints",International Welding Symposium 2012 conducted by Indian Welding Society between 30-10-2012 to 01-11-2012. Pp-66 (paper code : ICA 042).
3. R Raman Goud,KEswar Prasad, "Forming limit diagram of extra deep drawn steel for stretching in sheet metal forming" Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012. pp 83-88
4. L Jayahari, N Naga Satya Lakshmi, M AparnaChowdaryNaik. P G P PAparna, P AnushaChowdary, B BaluNaik, "Experimental investigation of punchload of ass 304 at various temperatures", Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012. pp 89-93
5. G SaiPhanindra, B Srinivas, P Balakameshwar, J N Murthy, "Microhardness studies 0f austenitic stainless steel-316 in deep drawing set up" ", Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012. pp 113-17

In

6. P M S Hallika, Kameshwari N, M Pavani, “Study of thickness and stress distribution in warm forming of aluminum is 737 alloy using LS Dyna”, Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012.pp 118-123
7. KanchaSammaiah , BanothBalunaik ,MurtiGopalakrishnaKalluri, “Study of stresses and deformation for direct resistance spot welding by using fem for low carbon steel sheet for fabrication industries –an overview” , Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012.pp 334-346.
8. MdShazia, RavaliNuthakki, SahithiPriya, “Construction and working of camless engines-a review” , Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012. pp 619-624
9. D Eswaraiah, S Naga Sarada, “Numerical investigations on augmentation Of heat transfer in oil coolers” , Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012.pp 625-633
10. Anjali M, SaiKrupa, Priyanka D Ramana Reddy, “ Effect of process parameters in ice jet machining” , Proceedings of International Conference on Material Processing & Characterization-2012 (ICMPC 2012), 8-10 March, 2012.pp 729-733.

11. Swadesh Kumar Singh, M L Kranthi Raj, B Bandhavi1 and AK Gupta, "Characterization and formability of commercially pure titanium at elevated temperature using finite element method" Accepted for publication and presentation at 4th International and 25th AIMTDR, JadavpurUnivesity, Kolkata India.
12. Jaya Hari, BaluNaik and **Swadesh Kumar Singh,** "Study of Formability and Thickness Distribution in Warm Forming of ASS 304" Accepted for publication and presentation at 4th International and 25th AIMTDR, JadavpurUnivesity, Kolkata India.

13. Yashjeet Singh, Nitin Krishnamurthy, Amit Kumar Gupta and **Swadesh Kumar singh**, "A Comparative Study of Constitutive Models to Predict Flow Stress Behaviour in Dynamic Strain Aging Regime of Austenitic Stainless Steel 316" Accepted for publication and presentation at 2ndInternational Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Nov 19-20, 2012.

14. **Swadesh Kumar Singh**, VenkataSasidhar, Vinay Kumar, Prudvi Reddy, and Amit Kumar Gupta, "Comparison of warm and hydromechanical deep drawing when low Carbon steel is subjected to ironing" Accepted for presentation and publication at 15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.

15. DareddyRamana Reddy, BanothBalunaik, **Swadesh Kumar Singh**, "Development Of A Composite Mate-Rial From Agro Waste For Wear Re-Sistance Application"15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.

16. Lade Jayahari, B.BaluNaik, A. K. Gupta and **Swadesh Kumar Singh**, "Study of microhardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions" 11th International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.

In

17. Sharat Chandra G, Raghuram K, Amit Kumar Gupta and **Swadesh Kumar Singh,** "Predicting of flow stress in Dynamic Strain Aging Regime of ASS 304 using support vector regression"11th International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.

18. P.VenkataSasidhar, K Limbadri, P Prudvi Reddy, Vinay Kumar and **Swadesh Kumar Singh**, "Study of friction in warm forming of aluminum is 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp31-36.

19. L. Swetha, D. Keerthi, K., SaiRajeshwari and **Swadesh Kumar Singh**, "Thickness Distribution in Austenitic Stainless Steel 316 & 304 Drawn Cups" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, Indiapp 43-47.

20. A.V. Siddhartha Gautham, A.Srikanth, Md.Aqheel, J.N.Murthy and **Swadesh Kumar Singh**, "Load displacement studies of stainless steel 316 cups drawn at varioustemperatures" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, Indiapp 106-112.

21. P.M.S.Hallika, Kameshwari N, M.Pavani and **Swadesh Kumar Singh**, "Study of thickness and stress distribution in warm forming of aluminum IS 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp118-123.

22. Swadesh Kumar Singh, M L Kranthi Raj, B Bandhavi1 and AK Gupta, "Characterization and formability of commercially pure titanium at elevated temperature using finite element method" Accepted for publication and presentation at 4th International and 25th AIMTDR, JadavpurUnivesity, Kolkata India.
23. Jaya Hari, BaluNaik and **Swadesh Kumar Singh,** "Study of Formability and Thickness Distribution in Warm Forming of ASS 304" Accepted for publication and presentation at 4th International and 25th AIMTDR, JadavpurUnivesity, Kolkata India.

24. Yashjeet Singh, Nitin Krishnamurthy, Amit Kumar Gupta and **Swadesh Kumar singh**, "A Comparative Study of Constitutive Models to Predict Flow Stress Behaviour in Dynamic Strain Aging Regime of Austenitic Stainless Steel 316" Accepted for publication and presentation at 2ndInternational Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Nov 19-20, 2012.

25. **Swadesh Kumar Singh**, VenkataSasidhar, Vinay Kumar, Prudvi Reddy, and Amit Kumar Gupta, "Comparison of warm and hydromechanical deep drawing when low Carbon steel is subjected to ironing" Accepted for presentation and publication at 15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.

26. DareddyRamana Reddy, BanothBalunaik, **Swadesh Kumar Singh**, "Development Of A Composite Mate-Rial From Agro Waste For Wear Re-Sistance Application"15th

In

International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, NSW Australia.

27. Lade Jayahari, B.BaluNaik, A. K. Gupta and **Swadesh Kumar Singh**, "Study of microhardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions" 11th International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.

28. Sharat Chandra G, Raghuram K, Amit Kumar Gupta and **Swadesh Kumar Singh,** "Predicting of flow stress in Dynamic Strain Aging Regime of ASS 304 using support vector regression"11th International conference on high Nitrogen Steels and Interstitial alloys, September 27-29, Chennai, India.

29. P.VenkataSasidhar, K Limbadri, P Prudvi Reddy, Vinay Kumar and **Swadesh Kumar Singh**, "Study of friction in warm forming of aluminum is 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp31-36.

30. L. Swetha, D. Keerthi, K., SaiRajeshwari and **Swadesh Kumar Singh**, "Thickness Distribution in Austenitic Stainless Steel 316 & 304 Drawn Cups" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, Indiapp 43-47.

31. A.V. Siddhartha Gautham, A.Srikanth, Md.Aqheel, J.N.Murthy and **Swadesh Kumar Singh**, "Load displacement studies of stainless steel 316 cups drawn at varioustemperatures" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, Indiapp 106-112.

32. P.M.S.Hallika, Kameshwari N, M.Pavani and **Swadesh Kumar Singh**, "Study of thickness and stress distribution in warm forming of aluminum IS 737 alloy using LS-DYNA" International Conference on Materials Processing and Characterization, March 8-10, 2012, Hyderabad, India pp118-123.

33. **DareddyRamana Reddy,** BanothBalunaik(Oct2012), "Optimization of process parameters for machining of Al-SiC$_p$MMC using Taguchi design", National Conference on Advances in Mechanical Engineering(AIM2012), October 11-12, VCE, Hyderabad, INDIA, pp: 228-232.

34. **DareddyRamana Reddy**, BanothBalunaik, Swadesh Kumar Singh(Sept 2012), **"**Development of a composite material from agro waste for wear resistance application" 15th International Conference on Advances in Materials & Processing Technologies(AMPT2012), September 22-26,2012, University of Wollongong, **Australia**. Paper ID:PNAM-12007

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35. **DareddyRamana Reddy,** BanothBalunaik, Swadesh Kumar Singh**(**Dec2011), "Ingredients Composition Formulations and development of a new metal matrix composite for friction lining applications using MINITAB16", Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), Michigan Technological University, December 12-13,2011, **SINGAPORE,** pp:13-18, ISSN: 2251-1857

36. Swadesh Kumar Singh**, DareddyRamana Reddy,** Amit Kumar Gupta **(**Dec2011), "Comparison on load and Formability of low carbon steel in warm and Hydro mechanical deep drawing", Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), Michigan Technological University, December 12-13,2011, **SINGAPORE,** pp:111-114, ISSN: 2251-1857

37. **DareddyRamana Reddy,**BanothBalunaik, Swadesh Kumar Singh (June2011), "Comparative evaluation of surface finish (Ra) for Al-SiC_PMetal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN (MATLAB)", 5^{th} International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, 2011, S.V. National Institute of Technology, Surat, INDIA, pp: 586-591

38. M V Aditya Nag, **DareddyRamana Reddy** (Dec 2011), "Performance improvement of an oil fired furnace through Oscillating Combustion Technology", 3^{rd} International Conference on Advances in Energy Research (ICAER2011), December 9-11, 2011, IITBOMBAY, INDIA.

39. **DareddyRamana Reddy,** BanothBalunaik,(Dec2011), " Performance of different grinding wheels on machining of Al-SiC_p metal matrix composites", International Conference on Futuristic Trends in Materials & Energy systems FTME 2011, 29 – 30 December 2011, V.R Siddhartha Engineering College, Vijayawada-520 007, Andhra Pradesh, INDIA, pp:93-98

40. R.RamanaGoud, L. Jayahari, AK Gupta and Swadesh Kumar Singh, "Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures"

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International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, 2011 pp 202.

41. DareddyRamana Reddy, BanothBaluNaik, Swadesh Kumar Singh (2011), “Comparative evaluation of surface finish (Ra) for Al-SiC$_P$Metal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN (MATLAB)”, Fifth International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, 2011, S.V. National Institute of Technology, Surat, INDIA.
42. M V Aditya Nag, DareddyRamana Reddy (2011), “Performance improvement of an oil fired furnace through Oscillating Combustion Technology”, IIIrd International Conference on Advances in Energy Research(ICAER2011), December 9-11,2011, IITBOMBAY, INDIA.
43. DareddyRamana Reddy, BanothBalunaik, Swadesh Kumar Singh(2011), “Ingredients Composition Formulations and development of a new metal matrix composite for friction lining applications using MINITAB16”, Annual International Conference on Materials Science, Metal & Manufacturing (M3 2011), December 12-13,2011, SINGAPORE.
44. DareddyRamana Reddy, BanothBalunaik,(2011), “ Performance of different grinding wheels on machining of Al-SiC$_p$ metal matrix composites”, International Conference on Futuristic Trends in Materials & Energy systems FTME 2011, 29 – 30 December 2011, V.R Siddhartha Engineering College, Vijayawada-520 007, Andhra Pradesh, INDIA
45. DareddyRamana Reddy[1], Swadesh Kumar Singh[2], Banoth Balunaik[3],“Development and performance evaluation of a newly developed friction material using specially developed test rig”. MATADOR2012, 37th International conference Manchester University, ENGLAND
46. DareddyRamana Reddy, M V Aditya Nag, BanothBalunaik(2011), “Effect of grit size and abrasive type on surface finish of a machined Al-SiC$_p$ MMC”, Second National Conference on Recent Advances In Manufacturing, September 15-17, 2011, S.V.NIT, Surat, INDIA.
47. Swadesh Kumar Singh, Ramana Reddy and Amit Kumar Gupta, "Comparison on Load and Formability of Low Carbon Steel in Warm and Hydromechanical Deep Drawing" International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Dec 12-13, 2011.
48. Ramana Reddy, BaluNaik and Swadesh Kumar Singh, "Ingredients Composition Formulations and Development of a New Metal Matrix Composite for Friction Lining Applications Using MINITAB16" International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Dec 12-13, 2011.
49. V K Anirudh, G Amrutha, AK Gupta and Swadesh Kumar Singh, "Flow stress prediction in Austenitic Stainless Steel 316 at elevated temperatures" International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, 2011 pp 123.
50. M.V.Aditya Nag, V. RatnaKiran, “ Design optimization of Engine Mount Bracket for V6 engine”, V.I.T. University, Vellore, 9-11 January,2011. pp 814-818.
51. **Swadesh Kumar Singh,** Ramana Reddy and Amit Kumar Gupta, "Comparison on Load and Formability of Low Carbon Steel in Warm andHydromechanical Deep Drawing" International Conference on Materials Science, Metal & Manufacturing (M3 2011), Singapore, Dec 12-13, 2011.

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53. V K Anirudh, G Amrutha, AK Gupta and **Swadesh Kumar Singh,** "Flow stress prediction in Austenitic Stainless Steel 316 at elevated temperatures" International

In

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54. L. Jayahari, Ramana Gaud, AK Gupta and **Swadesh Kumar Singh**, "Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures" International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, 2011 pp 202.

55. DareddyRamana Reddy, BanothBaluNaik, **Swadesh Kumar Singh**, “Comparative evaluation of surface finish (Ra) for Al-SiCP Metal Matrix Composite machining with diamond grinding wheel using multiple regression analysis and ANN (MATLAB)”, Fifth International Conference on Advances in Mechanical Engineering (ICAME-2011), June 06-08, 2011, S.V. National Institute of Technology, Surat, INDIA

List of Publication done by Students and Faculty in International Journals

1. PAPN Varma, K.RakeshVarma, K.G.K. Muti, A.V.S. Raju&Swadesh Kumar Singh, “Mathematical Modelling and Microstructual Studies of Excessive Ironing of Extra Deep Drawn Quality Steel in Deep Drawing Setup in Warm Conditions” International Journal of Advanced Materials Manufacturing & Characterization, Volume 1 Issue 1,March 2012 ISSN 2277-3886, pp 165-172.
2. C.V. Kalyan, M.V. Aditya Nag, “Recent Trends in Development of Methanol as Future Energy Source ” International Journal of Advanced Materials Manufacturing & Characterization, Volume 1 Issue 1, ISSN 2277-3886, pp 8-10. Amit Kumar Gupta, HansogeNitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad and **Swadesh Kumar Singh**, "Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304" **Materials & Design**, In Press, Accepted Manuscript, Available online 1 October 2012.

3. Swadesh Kumar Singh, PV Sasidhar, P Prudvi Redd1, VinayKumar,MSHallika and AK Gupta, " Study of Formability and Friction in Warm Forming of Aluminum IS 737 Alloy" accepted for publication in International Journal of Advanced Materials Manufacturing and Characterization for Vol 1, Issue 2.

4. Amit Kumar Gupta, V.K. Anirudh, **Swadesh Kumar Singh**, "Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures" Materials and Design 43 (2013) 410-418.

5. K. RakeshVarma, PAPN Varma, KGK Murti, AVS Raju and **Swadesh Kumar Singh**, “Mathematical modelling and experimental validation of excessive ironing of EDD steel in deep drawing setup in Warm conditions” International Journal of Advanced Material Manufacturing and Characterization, Vol. 1, No 1, 2012, pp 165-172.

In

6. Amit Kumar Gupta, **Swadesh Kumar Singh**, M. Swathi and H. Gokul, “Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network” Materials and Design 35 (2012) 589–595.
7. Amit Kumar Gupta, HansogeNitin Krishnamurthy, Yashjeet Singh, Kaushik Manga Prasad and **Swadesh Kumar Singh**, "Development of Constitutive Models for Dynamic Strain Aging Regime in Austenitic Stainless Steel 304" **Materials & Design**, In Press, Accepted Manuscript, Available online 1 October 2012.

8. Swadesh Kumar Singh, PV Sasidhar, P Prudvi Redd1, VinayKumar,MSHallika and AK Gupta, " Study of Formability and Friction in Warm Forming of Aluminum IS 737 Alloy" accepted for publication in International Journal of Advanced Materials Manufacturing and Characterization for Vol 1, Issue 2.

9. Amit Kumar Gupta, V.K. Anirudh, **Swadesh Kumar Singh**, "Constitutive models to predict flow stress in Austenitic Stainless Steel 316 at elevated temperatures" Materials and Design 43 (2013) 410-418.

10. K. RakeshVarma, PAPN Varma, KGK Murti, AVS Raju and **Swadesh Kumar Singh**, “Mathematical modelling and experimental validation of excessive ironing of EDD steel in deep drawing setup in Warm conditions” International Journal of Advanced Material Manufacturing and Characterization, Vol. 1, No 1, 2012, pp 165-172.

11. Amit Kumar Gupta, **Swadesh Kumar Singh**, M. Swathi and H. Gokul, “Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network” Materials and Design 35 (2012) 589–595.

12. **DareddyRamana Reddy,** Swadesh Kumar Singh, B.Balunaik, “Present State of research and advances in modeling of abrasive water jet cutting-A Review” Submitted to International Journal of Advanced Materials Manufacturing and Characterization, Hyderabad, IJAMMC, ISSN:2277-3886

13. **DareddyRamana Reddy,** BanothBalunaik, “Development of a composite material from agro waste for wear resistance application”, Journal of Chemistry and Chemical Engineering**,** ISSN: 1934-7375, USA**(Under Review),** JCHE:E2012101001

14. **DareddyRamana Reddy,** Swadesh Kumar Singh, B.Balunaik(June2012), “Ingredients Composition formulations and development of a new metal matrix composite for friction lining applications using MINITAB16” International Journal of Engineering and Technology, Publishers GSTF, **Singapore,** Volume 1, Number 1, pp: 99-104, ISSN: 2251-3701.

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15. C.Bhaskar Reddy, C.Eswara Reddy, **DareddyRamana Reddy** (June2012), "Experimental Investigation of Surface Finish and Material Removal Rate of P20 Die-Tool Steel in Wire-EDM using Multiple Regression Analysis" International Journal of Engineering and Technology, Publishers GSTF, **Singapore**, Volume 1, Number 1, pp: 113-118, ISSN: 2251-3701**.**

16. **DareddyRamana Reddy,**BanothBalunaik (June2012), "Effect of grit size and abrasive type on surface finish of a machined Al-SiC_p MMC", International Journal of Manufacturing Engineering, SME Publications, Volume 7, Issue 2, pp 67-71, ISSN: 0973-6867.

17. M.V.Aditya Nag, **DareddyRamana Reddy** (July2012**),** "Performance Improvement of an Oil Fired Furnace through Oscillating Combustion Technology" International Journal of Scientific Essays and Research (IJSER), **USA**, Volume3, issue 7, ISSN: 2229-5518.

18. DareddyRamana Reddy, Swadesh Kumar Singh, B.Balunaik(2011), "Development of bio-degradable friction material for brake pads from Palm Kernel Shell" International Journal of Mechanical Engineering and Materials Sciences Vol. 4, Number 1, pp 1–6.
19. D.Govardhan, K.G.K. Murti,A.C.S. Kumar,G.Madhusudhan Reddy, "Characterization of Austenitic Stainless Steel Friction Surfaced Deposit Over Low Carbon Steel" Materials and Design (2012) 206-214.
20. Amit Kumar Gupta, Swadesh Kumar Singh, M. Swathi and H. Gokul, "Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network" Materials and Design 35 (2012) 589–595.
21. PAPN Varma, KGK Murti, & AVS Raju, "Forming of Cylindrical Components in Warm Condition Under Deep Drawing Setup Using Flow Forming Principle" International Journal of Mechanical Engineering, Vol.4 No.1 2011, Serials PublicationsISSN: 0974-5823,Pages: 27-33.
22. **DareddyRamana Reddy,** Swadesh Kumar Singh, B.Balunaik (June2011), "Development of bio-degradable friction material for brake pads from Palm Kernel Shell" International Journal of Mechanical Engineering and Materials Sciences Vol. 4, Number 1, pp 1–6, ISSN: 0974-584X

23. DareddyRamana Reddy, Swadesh Kumar Singh, B.Balunaik(2011), "Development of bio-degradable friction material for brake pads from Palm Kernel Shell" International Journal of Mechanical Engineering and Materials Sciences Vol. 4, Number 1, pp 1–6.
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25. Amit Kumar Gupta, Swadesh Kumar Singh, M. Swathi and H. Gokul, "Prediction of Flow Stress in Dynamic Strain Ageing Regime of Austenitic Stainless Steel 316 using Artificial Neural Network" Materials and Design 35 (2012) 589–595.
26. PAPN Varma, KGK Murti, & AVS Raju, "Forming of Cylindrical Components in Warm Condition Under Deep Drawing Setup Using Flow Forming Principle" International Journal of Mechanical Engineering, Vol.4 No.1 2011, Serials PublicationsISSN: 0974-5823,Pages: 27-33.
27. **DareddyRamana Reddy,** Swadesh Kumar Singh, B.Balunaik (June2011), "Development of bio-degradable friction material for brake pads from Palm Kernel Shell" International Journal of Mechanical Engineering and Materials Sciences Vol. 4, Number 1, pp 1–6, ISSN: 0974-584X

28. **DareddyRamana Reddy,** B.BaluNaik, T. Kishen Kumar Reddy(Dec2010), "Prediction of surface roughness in machining of homogenized SiC_P reinforced aluminium metal matrix composites using multiple regression analysis" International Journal of Manufacturing Science and Technology Vol. 4, Number 2, pp 81–91.ISSN: 0973-5496.

29. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "A study on the extent of ironing of EDD steel at elevated temperature" CIRP Journal of manufacturing Science and Technology Vol. 3, Issue 1, pp 73–79.

30. **Swadesh Kumar Singh** and Amit Kumar Gupta (2010), "Application of Support Vector Regression in Predicting Thickness Strains in Hydro-Mechanical Deep Drawing and Comparison with ANN and FEM" CIRP Journal of manufacturing Science and TechnologyVol. 3, Issue 1, pp 66-72.

31. **Swadesh Kumar Singh,** M. Swathi, Apurv Kumar and K. Mahesh(2010), "Understanding formability of EDD steel at elevated temperatures using finite element simulation" Materials and Design Vol. 31, pp 4478–4484.

32. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "Prediction of mechanical properties of extra deep drawn steel in blue brittle region using Artificial Neural Network" Materials and Design, Vol. 31, pp 2288-2295. (Elsevier, Impact factor 1.107).

33. **Swadesh Kumar Singh** (2010)**, "**Development of ANN Model And Study The Effect of Temperature on Strain Ratio and Sensitivity Index of EDD Steel" International Journal of Material Forming, Vol 3, pp 256 - 266.

34. Apurvkumar, P. Viswanath, K Mahesh, M. Swati, P M Vinay Kumar, A Abhijit, **Swadesh Kumar Singh** (2010)**, "**Prediction of Spring back in V – Bending and Design of Dies Using Finite Element Simulation" International Journal of Materials and Product Technology, Vol. 39, Nos. 3/4, 2010
35. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "A study on the extent of ironing of EDD steel at elevated temperature" CIRP Journal of manufacturing Science and Technology Vol. 3, Issue 1, pp 73–79.

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36. **Swadesh Kumar Singh** and Amit Kumar Gupta (2010), "Application of Support Vector Regression in Predicting Thickness Strains in Hydro-Mechanical Deep Drawing and Comparison with ANN and FEM" CIRP Journal of manufacturing Science and TechnologyVol. 3, Issue 1, pp 66-72.

37. **Swadesh Kumar Singh,** M. Swathi, Apurv Kumar and K. Mahesh(2010), "Understanding formability of EDD steel at elevated temperatures using finite element simulation" Materials and Design Vol. 31, pp 4478–4484.

38. **Swadesh Kumar Singh**, Amit Kumar Gupta and K. Mahesh(2010), "Prediction of mechanical properties of extra deep drawn steel in blue brittle region using Artificial Neural Network" Materials and Design, Vol. 31, pp 2288-2295. (Elsevier, Impact factor 1.107).

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40. Apurvkumar, P. Viswanath, K Mahesh, M. Swati, P M Vinay Kumar, A Abhijit, **Swadesh Kumar Singh** (2010)**, "**Prediction of Spring back in V – Bending and Design of Dies Using Finite Element Simulation" International Journal of Materials and Product Technology, Vol. 39, Nos. 3/4, 2010

20. Areas of consultancy and income generated

    Web Development, Machine Development, Engineering, Lab Development

    Income Generated: 5 Lakhs (in total)

21. Faculty as members in

    a) National committees b) International Committees c) Editorial Boards….

    Dr. S.K. Singh is one of the member of Editorial Boards for International Journals

    M.V. Aditya Nag, Asst. Professor is a member of Several international journals published worldwide.

22. Student projects

    a) Percentage of students who have done in-house projects including inter departmental/programme

    Main Project (B.Tech IV Year) 100

    Mini Projects (B.Tech III Year) 90% in Industries, Organizations.

In

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

23. Awards/ Recognitions received by faculty and students

1. Sanction of Grants from A.I.C.T.E. under modernization & Removal of Obsolescence Scheme (MODROBS) for Warm forming Laboratory in the financial year 2011-12. Sanctioned Rs. 8.5 Lakhs.
2. Sanction of Grants from CSIR, DST- India & AICTE, for the conducting Annual International Conference on Material Processing and Characterization (ICMPC) , 2012. Net Amount Sanctioned is Rupees 6 lakhs . Other sponsores for this event are OBC Bank, Intergraph Solutions, Precision Components Corporation, Jyothi Engineering Works and Ramsys Info Systems.
3. Dr. KGK Murti was awarded Plenary Award in International Welding Symposium 2012 conducted by Indian Welding Society between 30-10-2012 to 01-11-2012.
4. R.RamanGoud was invited as judge for the Convergence 2k12 conducted bu VNR VJIET , Hyderabad on 12-10-12
5. Dr. S K Singh ,

Reviewer of following International Journal

1. Materials and Design (**Impact Factor 2.20**), Publisher: Elsevier.: Reviewed almost 35 papers in the journal till date.

2. Composites Part B (**Impact Factor 2.221**), Publisher: Elsevier.

3. International Journal of Mechanical Sciences and Technology (**Impact Factor 0.48**), Publisher: Springer

4. International Journal of Material Processing and Characterization: Editor in Chief

13. Invited Speech:

15th International Conference on Advances in Materials & Processing Technologies, 23-26 Sept, 2012, Wollongong, **NSW Australia**.

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Name of the Student	Event	Organized by	Award
CAY			
S.H. Reshma	Convocation 2011	J.N.T.U. Hyderabad	Expecting GOLD MEDAL by Topping university
K.Prudhvi, D. Srinivas Rao	Energy Conservation Mission 2011	Institute of Engineers, India	Second Prize
K.A.Preethi, D.Suma	Pragnya 2011	G.R.I.E.T., Hyderabad	Second Prize
K.A.Preethi, D.Suma	Pragnya 2011	G.R.I.E.T., Hyderabad	Junk Ionics First Prize
K.S.Sai, Aparna, Bala Kameshwar	Pragnya 2011	G.R.I.E.T., Hyderabad	Junk Ionics Second Prize
CAYm1			
B.Mrunalini	Convocation 2010	J.N.T.U. Hyderabad	Gold Medal University -1st
Sharma	Pearl 2010	B.I.T.S. Pilani, Hyderabad	First
CAYm2			
Harshal Avinash Mungikar	Convocation 2009	J.N.T.U. Hyderabad	Gold Medal University 1st
P.V.Sai Teja	ATALIER (H/W EXPO)	Andhra Unversity	Second Prize
Rakesh varma and Satish Chandra	Automobile Car design in DELHI	BAJA, Delhi Conducted by S.A.E.	Initial Design is Selected
B. Mrunalini	EssayWriting on “Engineering Solutions to combat Climate Change”	Institute of Engineers, India on the occasion of 42nd Engineer’s day.	Consolation Prize
Shiva Yamini, Keerthi and Revathi	National Level Technical Symposium, TECHNOZIAN	NIT, Warangal	4th Place

24. List of eminent academicians and scientists/ visitors to the department

1.Dr.K.V.Sharma,Prof., JNTU Hyderabad

2.prof. Krishnan , IIT Delhi

3.Dr.ACS Kumar,Prof., JNTU Hyderabad

4.Dr.AVS Raju,Prof.,JNTU Kakinada

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5.Dr. Ranga Janardhan, Prof.,JNTU Hyderabad

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National

b)International

1. Conducted Annual International Conference on "Material Processing and Characteristics", 2012 (I.C.M.P.C.-2012) held in G.R.I.E.T. College campus on 8-10 March, 2012.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M *F	**Pass percentage**
Environmental Science	132	132	132	100
Computer Organization	133	132		99
Data Base Management System	132	131		99
Numerical Methods	142	118		83

*M=Male F=Female

27. Diversity of Students

Name of the Course	**% of students from the same state**	**% of students from other States**	**% of students from abroad**
B.Tech	100	-	-
M.Tech	90	10	-

In

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

    2011-12 Batch

    Total Number of Students Who cleared GATE: 18

29. Student progression

Student progression	Against % enrolled
UG to PG	**25**
PG to M.Phil.	**-**
PG to Ph.D.	**-**
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	2010-11: 60 2011-12: 61
Entrepreneurship/Self-employment	2

30. Details of Infrastructural facilities

    a) Library – 375 books, 110 titles, 50 transparencies for various subjects, CD's and DVD's for various subjects and projects.

    b) Internet facilities for Staff & Students – Wi-Fi enabled throughout the campus.

    c) Class rooms with ICT facility

Room Description	Usage	Shared / Exclusive	Capacity	Rooms Equipped with PC, Internet, Book rack, meeting space…
Class rooms				
4302	Class room for 2nd Year	Exclusive	72	OHP, White Board,tables,chairs, WiFi.

In

4304	Class room for 2nd Year	Exclusive	72	OHP, White Board,tables,chairs, WiFi
4302/4304	Class room for 2nd Year	Shared	72	OHP, White Board,tables,chairs, WiFi
4501	Class room for 3rd Year	Exclusive	72	OHP, White Board,tables,chairs, WiFi
4502	Class room for 3rd Year	Exclusive	72	OHP, White Board,tables,chairs, WiFi
4512	Class room for 3rd Year	Shared	72	OHP, White Board,tables,chairs, WiFi
4512	Class room for 4th Year	Shared	72	OHP, White Board,tables,chairs, WiFi
4301	Class room for 4th Year	Exclusive	72	OHP, White Board,tables,chairs, WiFi
Tutorial Rooms				
4303 & 4306	Tutorial rooms	Exclusive	80	OHP, White Board,tables,chairs, WiFi
Seminar Room				
4312	Seminar Room/conferences /workshops/counseling	Exclusive	120	OHP, LCD, White Board,Computers, AC unit
Meeting Room				
4312	Meeting room	Exclusive	72	OHP, LCD, White Board,Computers, AC unit
Faculty Rooms (n)				
4313, 4314, 4513 & 4514	Faculty Rooms HOD, office & Professors	Exclusive	36	Tables, chairs, computer, racks
Laboratory Rooms				

In

4115	Mechanics of Solids Lab	Exclusive	36	Experimental Set ups
4116	Fluid Mechanics & Hydraulic Machinery Lab	Exclusive	36	Experimental Set ups
4117	Heat Transfer Lab	Exclusive	36	Experimental Set ups
4118	Machine tools Lab	Exclusive	36	Experimental Set ups
4119	CAD/CAM Lab	Exclusive	36	Computers with softwares for computation& Design facilities
4302	Thermal Engineering Lab	Exclusive	36	Experimental Set ups
4121	Instrumentation & Control Systems Lab	Exclusive	36	Experimental Set ups
.4122	Metallurgy Lab	Exclusive	36	Experimental Set ups
4123	Metrology Lab	Exclusive	36	Experimental Set ups
4215	Production Technology Lab	Exclusive	36	Experimental Set ups
4216	Metal Forming Lab	Exclusive	36	Experimental Set ups
4217	Manufacturing Simulation Lab	Exclusive	36	Computers with softwares for computation&
4218	Engineering Workshop	Exclusive	36	Fitting, sheet metal, carpentry sections, house wiring

In

Room Description	Usage	Shared/Exclusive	Capacity
Class Room NO.4302	II year Class Room	Exclusive	72
Class Room NO.4304	II year Class Room	Exclusive	72
Class Room NO.4302/4304	II year Class Room	Shared	72
Class Room NO.4512	III year Class Room	Shared	72
Class Room NO.4501	III year Class Room	Exclusive	72
Class Room NO.4502	III year Class Room	Exclusive	72
Class Room NO.4512	IV year Class Room	Shared	72
Class Room NO.4301	IV year Class Room	Exclusive	72
Tutorial Rooms No.4303	1^{st} +2^{nd} Years	Exclusive	80
Tutorial Rooms 4306	3^{rd} +4^{th} Years	Exclusive	80
Seminar Room No. 4312	To conduct seminars , Conferences and workshops	Exclusive	100
Seminar Room No. 4512	To conduct seminars , Conferences and workshops	Exclusive	100
Room No. 4312	To conduct Faculty Meeting Room	Exclusive	40
Laboratory Room No.4105,4106,4107	Mechanics of Solids Lab	Exclusive	36
Laboratory Room No.4217,18,19,20,21,22	Fluid Mechanics & Hydraulic Machinery Lab	Exclusive	36

In

Laboratory Room No.4415	Heat Transfer Lab	Exclusive	36
Laboratory Room No.4117,18,19,20,21,22	Machine tools Lab	Exclusive	36
Laboratory Room No.4305,07	CAD/CAM Lab	Exclusive	36
Laboratory Room No.4115,16,17	Thermal Engineering Lab	Exclusive	36
Laboratory Room No.4317	Instrumentation & Control Systems Lab	Exclusive	36
Laboratory Room No.4417	Metallurgy Lab	Exclusive	36
Laboratory Room No.4315,16	Metrology Lab	Exclusive	36
Laboratory Room No.4215,16,17,	Production Technology Lab	Exclusive	36
Laboratory Room No.4101	Metal Forming Lab	Exclusive	36
Laboratory Room No.4505,06,07	Manufacturing Simulation Lab	Exclusive	36
Engineering Workshop Room No.4317,18,19,20,21,22	Engineering Workshop	Exclusive	36

d) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

M.Tech (DFM)

2009-10: 1 Student Through GATE

2010-11: 1 Student Through GATE

B.Tech

In

Year	Category	Total Number of Students	category	Total Number of Students
2009-10	BC/SC/ST/EBC	53	APSMFC BCE	-
2010-11	BC/SC/ST/EBC	57	APSMFC BCE	1
2011-12	BC/SC/ST/EBC	49	APSMFC BCE	5

Year	Category	Number of Students
2009-10	MHRD	7
2010-11	MHRD	5
2011-12	MHRD	2

Visakhapatnam Steel Plant : 1 Student is receiving 18,000/- Per annum

Abhijeet.M. is receiving Scholarship from NTPC 18,000/- Per Annum

S.Sai Kiran is receiving 40,700/- Per annum from Railways.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Non-Destructive Testing Certification Program for I, II Years is regularly conducted in the department.

A course on AUTOCAD Certification by AUTODESK is conducted as part of CAD learning softwares.

In

A course on MCSE and CCNA is conducted for Non teaching staff by JETKING.

Pro-E, Stress Analysis I and Experimental Techniques are conducted by Several CAD Reputed firms are conducted in the department.

33. Teaching methods adopted to improve student learning

More emphasis on practical aspects by enhancing laboratory classes.

Teachers employing High Impact Teaching Methodologies such using relevant analogies and subsequent feedback analysis on several classes are being adopted.

Mentoring for students and continuous interaction with parents for improved learning.

Remedial classes for below average students are conducted every semester.

E-Learning techniques for easy understanding of difficult subjects.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

NSS Blood Donation Camp and Entrepreneur development activities are pursued

35. SWOC analysis of the department and Future plans

Strengths :

1. Qualified staff
2. Staff with industrial experience.
3. Staff with R&D experience.
4. Patents.
5. Publications.
6. Well equipped laboratories.
7. Research Labs.
8. Full support of teaching and technical staff.
9. Full support of management.

In

10. Industry-Institute interaction.

Weakness :

1. In adequate motivation for junior staff and teaching staff.
2. In sufficient incentives for self development.
3. Not sufficient initiative among staff to improve Knowledge.
4. Less opportunities to share knowledge.

Opportunities:

1.Enormous potential to conduct research.

2.Many industries and laboratories present in city for interaction.

3.Availability of students and manpower.

4.Young staff availability for starting new programs.

5.Management ready for starting new ventures/Programmes.

Challenges :

1. Competition among colleges.
2. Lack of freedom in decision making.
3. Financial constraints.
4. Major funds not possible in academic institutions.

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department --- **Civil Engineering**

2. Year of Establishment --- **2008**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) --- **UG (B.Tech., Civil Engineering)**

4. Names of Interdisciplinary courses and the departments/units involved
   - **a. Probability and Statistics – Humanities and Basic Sciences**
   - **b. Basic Electronic & Electrical Engineering – Electrical Engineering**
   - **c. Environmental Studies – Bio Technology**
   - **d. Mathematics – Humanities and Basic Sciences**
   - **e. AECS Lab - Humanities and Basic Sciences**
   - **f. Managerial Economics and Financial Analysis - MBA**

5. Annual/ semester/choice based credit system (programme wise) -- **Semester wise – 25 credits**

6. Participation of the department in the courses offered by other departments **- No**

7. Courses in collaboration with other universities, industries, foreign institutions, etc. **- No**

8. Details of courses/programmes discontinued (if any) with reasons **- No**

9. Number of Teaching posts

	Sanctioned	Filled
Professors	**3**	**3**
Associate Professors	**4**	**4**
Asst. Professors	**25**	**22**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.G.V.Ramana	Ph.D	Proffessor	Water Resource Engineering	16	2 (Pursuing)
Dr.Mohd Hussain	Ph.D	Proffessor	Water Resource Engineering	25	1 (Pursuing)
Dr.Akshay S.K. Naidu	Ph.D	Proffessor	Structural Engineering	9	-
Dr.B.R.Ravi Shankar	Ph.D	Assoc.Prof.	Structural Engineering	14	-
V.Mallikarjuna Reddy	M.Tech[Ph.D]	Assoc.Prof.	Structural Engineering	25	-
V.Gajendra	M.Tech[Ph.D]	Assoc.Prof.	Transpotation Engineering	20	-
G.V.V.Satyanarayana	M.Tech[Ph.D]	Assoc.Prof.	Structural Engineering	24	-
C.Lavanya	M.Tech[PhD]	Asst.Prof.	Geotechnical Engineering	6	-
S.P.Raju	M.Tech	Asst.Prof.	Structural Engineering	11	-
Nitya John	M.Tech	Asst.Prof.	Structural Engineering	1	-
Y.Kamal Raj	M.Tech	Asst.Prof.	Structural Engineering	3	-
O.S.D. Hima Bindu	M.E	Asst.Prof.	Environmental Engineering	4	-
A.Srinivasa Reddy	M.Tech	Asst.Prof.	Structural Engineering	2.5	-
R.Ramya Swetha	B.Tech[M.Tech]	Asst.Prof.	Structural Engineering	2	-
S.Venkat Charyulu	B.Tech[M.Tech]	Asst.Prof.	Water Resource Engineering	19	-
B.H.Mahesh Chandrakanth	B.Tech[M.Tech]	Asst.Prof.	Transpotation Engineering	7	-
P. Shanthi Raj	B.Tech[M.Tech]	Asst.Prof.	Structural Engineering	6	-
P.Shilpa	B.Tech[M.Tech]	Asst.Prof.	Transpotation Engineering	6	-
D.Sidhu Ramulu	B.Tech[M.Tech]	Asst.Prof.	Geotechnical	4	-

			Engineering		
P.Dharma Raju	B.E	Asst.Prof.	-	28	-
K.Jyothi	B.Tech	Asst.Prof.	-	3	-
G. Mamatha	B.Tech	Asst.Prof.	-	0.5	-
M. Abhinaya	B.Tech	Asst.Prof.	-	0.5	-
M. Anusha	B.Tech	Asst.Prof.	-	0.5	-
Ch. Mounika	B.Tech	Asst.Prof.	-	0.5	-
Divya Kamath	B.Tech	Asst.Prof.	-	0.5	-

11. List of senior visiting faculty **- No**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty**- No**
13. Student -Teacher Ratio (programme wise) **(1:15)**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled **(Sanctioned – 4 & Filled – 2)**
15. Qualifications of teaching faculty with DSc/ D.Litt/ **Ph.D – 4** / MPhil/**PG - 13**
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received **- No**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received **– No (2 Projects under processed)**
18. Research Centre /facility recognized by the University **-Yes**
19. Publications:
    * a) Publication per faculty
    * Number of papers published in peer reviewed journals (national / international) by faculty and students **National =02, Internaltional=01**
    * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - **No**
    * Monographs - **No**
    * Chapter in Books - **No**
    * Books Edited - **No**
    * Books with ISBN/ISSN numbers with details of publishers – **Water Resources Engineering by Dr.GVRamana (8189966901), Transportation**

Engineering BY V.Gajendra(8189966928)

- Citation Index - **No**
- SNIP - **No**
- SJR - **No**
- Impact factor - **No**
- h-index - **No**

20. Areas of consultancy and income generated (Materials & Concrete - **CT Lab-Rs5000/-**)
21. Faculty as members in - **No**

    a) National committees b) International Committees c) Editorial Boards….
22. Student projects

    ✓ a) Percentage of students who have done in-house projects including inter departmental/programme (√) **46.37%**

    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies (√) **53.63%**
23. Awards/ Recognitions received by faculty and students (--)
24. List of eminent academicians and scientists/ visitors to the department

    Dr.NC Gautam – Scientist, Formar Group Director, NRSC

    Prof.T Hanumath Rao - Academician

    Dr. CLN Sastry - Academician

    Prof. B Srinivas Raju - Academician
25. Seminars/ Conferences/Workshops organized & the source of funding

    a) National **(2), By the Institute**

    b) International **-No**
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled**		**Pass percentage**
			***M**	***F**	
Environmental Studies	145	145	97	48	95.86
Probability and Statistics	145	145	97	48	91.03
Basic Electronic &	145	145	97	48	89.65

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
Electrical Engineering					
AECS Lab	126	126	84	42	98.4
Mathematics	145	145	97	48	91.03
Managerial Economics and Financial Analysis	145	145	97	48	77.24

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech	98%	2%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. **GATE -05**
29. Student progression

Student progression	Against % enrolled
UG to PG	**20%**
PG to M.Phil.	**-**
PG to Ph.D.	**-**
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	 31% 07%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

a) Library (No of Volumes = **150**)

b) Internet facilities for Staff & Students (available) **YES**

c) Class rooms with ICT facility **(2)**

d) Laboratories **(Furnished according to JNTUH syllabus)**

31. Number of students receiving financial assistance from college, university, government or other agencies **(Fess re-imbursement)**
32. Details on student enrichment programmes (special lectures(**07**) / workshops (**01**) / seminar(**01**) with external experts
33. Teaching methods adopted to improve student learning **(Power Point Presentation's through LCD Projectors)**
34. Participation in Institutional Social Responsibility (ISR) and Extension activities **– No**
35. SWOC analysis of the department and Future plans

a. Strengths:

i. Adequate number of qualified, experienced and committed faculty.

ii. Good Infrastructural facilities

b. Weaknesses:

i. Varied intake quality due to urban rural divide

c. Opportunities:

i. Construction/Field/Consultancy sector

ii. Higher education, Government Sectors, Research and Development.

iii. Higher education @ Masters abroad

d. Challenges:

i. Economic Slow Down and uncertain political and economical conditions

ii. Varied educational and moral standards.

iii. Competition from various sections of Civil Engineering enhancements

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department

   BIOMEDICAL ENGINEERING

2. Year of Establishment

   2002

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Program offered	Course	No. of Seats	Established Year
U.G	B. Tech	30	2002

4. Names of Interdisciplinary courses and the departments/units involved

S.No	Subject	Department involved
1	English	Humanities and Basic Sciences
2	Mathematics – I	Humanities and Basic Sciences
3	Mathematics – II	Humanities and Basic Sciences
4	Mathematics - III	Humanities and Basic Sciences
5	Applied Bio Chemistry	Bio-Technology
6	Advanced English Communication Skills	Humanities and Basic Sciences
7	Physics	Humanities and Basic Sciences
8	Computer Programing And Data Structures	Computer Science Engineering
9	Engineering Chemistry	Humanities and Basic Sciences
10	Engineering Graphics	Mechanical Engineering
11	Electronic Devices & Circuits	ECE
12	Basic Electrical and Electronics	ECE
13	Signals and Systems	ECE
14	Environmental Studies	Bio-Technology
15	Switching Theory and Logic Design	ECE
16	Pulse and Digital Circuits	ECE
17	Managerial Economics and Financial Analysis	Humanities and Basic Sciences

18	**Digital Signal Processing**	**ECE**
19	**Principles of Communications**	**ECE**
20	**Analog and Digital IC Applications**	**ECE**
21	**Computer Networks**	**CSE**
22	**Microprocessors and Microcontrollers**	**ECE**
23	**Artificial Neural Networks**	**CSIT**
24	**VLSI Design**	**ECE**
25	**Image Processing and Pattern Recognition**	**ECE**
26	**Robotics & Automation**	**Mechanical Engineering**

5. Annual/ semester/choice based credit system (programme wise)

   UG – Semester based fixed credit system

6. Participation of the department in the courses offered by other departments

   NA

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

   Certification courses by industries like TMI systems, Biokit, Cardea Labs

8. Details of courses/programmes discontinued (if any) with reasons

   NA

9. Number of Teaching posts

	sanctioned	Filled
Professors	1	-
Associate Professors	2	1
Asst. Professors	3	9

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No	Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	T.Padma	M.E, (Ph.D)	Asso Prof & HOD	Medical electronics	14	NA
2	K.Satish Kumar	M.S	Asst Prof	Biomedical	2	NA
3	P.Manju Bhargavi	M.Tech	Asst Prof	Embedded systems	4	NA

4	M.Prem Kumar	M.Tech	Asst Prof	Embedded systems	4	NA
5	P.Sriram Kumar	M.Tech	Asst Prof	VLSI	2	NA
6	A.V.Sandeep Reddy	M.Tech	Asst Prof	BMSP & I	1	NA
7	S.Bhargavi	B.Tech,(M.Tech)	Asst Prof	BME	2	NA
8	D.Swathi	B.Tech	Asst Prof	BME	4	NA
9	K. Madhavi	B.Tech	Asst Prof	BME	2	NA

11. List of senior visiting faculty

    NA

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty

    NA

13. Student -Teacher Ratio (programme wise)

    UG - B.Tech – 10:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

S.No	Position	Sanctioned	Filled
1	**Support Staff (Technical)**	**2**	**3**
2	**Administrative staff**	**1**	**-**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

    PG (6 members) ref: Table under No. 10

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

    NA

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

    NA

18. Research Centre /facility recognized by the University

    NA

19. Publications:

S.No	Name of faculty	No. of publications		Books	Highest Impact factor
		Peer reviewed journals (national/international)	International Database		
1	T. Padma	2	1	NA	4

20. Areas of consultancy and income generated

    NA

21. Faculty as members in

S.No	Name of faculty	Membership	
		National Committees	International Committees
1	T. Padma	MIETE BMESI	BEATS

22. Student projects
    a) Percentage of students who have done in-house projects including inter departmental/programme

       UG - 30%

    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

       UG - 70%

23. Awards/ Recognitions received by faculty and students
    - **ROLLING SHIELD & CUP OF RETENTION BY IRCS for 5 years 2007,2009,2010,2011,2012**
    - **Stood 2nd position in Great power Race student competition across three countries i.e. India, China & US, 2011**
    - **Received memento for Saved 220 trees in WOW program by ITC, 2011**
    - **In Students projects competition achieved first prize at CBIT, 2012**
    - **In student national level conference achieved first prize , 2012**
    - **JNTU awarded Gold medals in year 2008,2009 for best outgoing students from affiliated colleges.**
    - **A student was awarded as II runner up in Bandari Srinivas Inter Engineering Colleges VIII Cricket Tournament.**
    - **Several students won prizes in various inter college technical events.**

24. List of eminent academicians and scientists/ visitors to the department
    - **Dr.T.C. Sarma, Scientist NRSA**

- **Dr. Rama Subba Reddy, Prof IIT Chennai**
- **Ms. Aparna Pisupati, Research Imaging Assistant, John Hopkins University, USA**
- **Dr. K. S. murthy, Chief Cardio surgeon, Innova Children's Hospitals, Hyderabad.**
- **Dr. C.M.S. Krishna Prasad, MDS (ortho), Army College of Dental Sciences, Hyderabad.**

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National

S.No	Name of the Conference/Workshop	Year	Source of Funding
1	SANJEEVINI	2010-2011	GRIET
2	SANJEEVINI	2011-2012	GRIET
3	SANJEEVINI	2012-2013	TEQIP Phase – II

b)International

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M	*F	**Pass percentage**
English	25	25	8	17	92
Mathematics – I	25	25	8	17	48
Mathematics – II	25	25	8	17	60
Mathematics - III	25	25	8	17	68
Applied Bio Chemistry	33	33	12	21	82
Advanced English Communication Skills	27	27	10	17	100
Physics	25	25	8	17	64
Computer Programing And Data Structures	25	25	8	17	60

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
Engineering Chemistry	25	25	8	17	60
Engineering Graphics	25	25	8	17	40
Electronic Devices & Circuits	33	33	12	21	94
Basic Electrical and Electronics	25	25	8	17	56
Signals and Systems	33	33	12	21	76
Environmental Studies	25	25	8	17	84
Switching Theory and Logic Design	33	33	12	21	85
Pulse and Digital Circuits	33	33	12	21	79
Managerial Economics and Financial Analysis	27	27	10	17	96
Digital Signal Processing	27	27	10	17	89
Principles of Communications	27	27	10	17	78
Analog and Digital IC Applications	27	27	10	17	89
Computer Networks	29	29	16	13	72
Microprocessors and Microcontrollers	31	31	18	13	87
Artificial Neural Networks	30	30	17	13	100
VLSI Design	31	31	18	13	87
Image Processing and	31	31	18	13	93

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled *M	*F	Pass percentage
Pattern Recognition					
Robotics and Automation	31	31	18	13	100

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG - B.Tech	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Year	GATE	TOEFL	GRE	GMAT	CAT
2012	3	12	12	-	-

29. Student progression

Student progression year 2008 - 2012	Against % enrolled
UG to PG	**58 %**
PG to M.Phil.	**NA**
PG to Ph.D.	**NA**
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	42 % 60 % 40 %
Entrepreneurship/Self-employment	NA

Student progression year 2007 – 2011 (29 Students)	Against % enrolled
UG to PG	**55 %**
PG to M.Phil.	**NA**
PG to Ph.D.	**NA**
Ph.D. to Post-Doctoral	NA
Employed • Campus selection	45 % 60 %

Student progression year 2007 – 2011 (29 Students)	Against **%** enrolled
• Other than campus recruitment	40 %
Entrepreneurship/Self-employment	NA

Student progression year 2006 – 2010 (24 Students)	Against **%** enrolled
UG to PG	**42 %**
PG to M.Phil.	**NA**
PG to Ph.D.	**NA**
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	58 % 20 % 80 %
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities

a) Library – Departmental Library

b) Internet facilities for Staff & Students – 8 Mbps with Wifi connectivity

c) Class rooms with ICT facility- 2

d) Laboratories

- 15 Laptops with wifi connectivity, installed with C, MATLAB, MS Office
- Biomedical Equipments like Heart-Lung Machine, ECG recorder, Multi Parameter monitor, Holter Monitor, Electrical Safety Analyzer, EEG Recorder, EMG Recorder, Audiometer, Diathermy equipment, Pacemaker, Pulseoxymeter, Dialysis machine, Sphygmomanometer, Pulmonary Function Test machine, Stethoscopes, etc.,

31. Number of students receiving financial assistance from college, university, government or other agencies

S.No	Academic Year	No. of Students receiving financial Assistance	Agency
1	2019-2013	6	Government
2	2010-2014	16	Government
3	2011-2015	11	Government

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

    GUEST LECTURES

    1. **Dr. K. S. Murthy, Innova Heart Institute**
    2. **Dr. Rama Subba Reddy, IIT (Chennai)**
    3. **Dr. Ashwin Shah, Head, Dept. of Oncology, Kamineni Hospitals**
    4. **Dr. V. S. Murthy, MD (Internal Medicine), USA**
    5. **Mr. Shiva Kumar, Service Manager, Siemens Medical Solutions**
    6. **Mr. Abhinav, Cardea Labs, New Delhi**
    7. **Mr. Muralidhar, Chief Biomedical Engineer, Apollo Hospitals**
    8. **Mr. Kush Tripathi, Research Associate, IISc (Bangalore)**

33. Teaching methods adopted to improve student learning
    - **High usage of ICT**
    - **Assigning Projects through Road shows**
    - **Providing certification programs through Industries**
    - **Emphasizing on practical applications of the theoretical courses, and**
    - **visits to hospitals and industries**

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
    - **NSS Activities in conduction of Blood Donation Camps,**
    - **Volunteering for activities at Orphanages, Homes for Mentally challenged, old age homes**
    - **Plantation programs**
    - **Visiting backward rural areas to educate and enlighten them about health and hygiene**
    - **Cancer Awareness Programs**

35. SWOC analysis of the department and Future plans

Strengths:

- Qualified and Committed faculty, infrastructure
- Academic freedom due to autonomous status

Weaknesses:

- Poor and diversified intake quality of students
- Unequal student skills due Urban-rural divide

Opportunities:

- Increase in government recruitment
- Employment offers from MNCs
- Motivation and Encouragements from Government for the uplift of Education and R & D

Challenges:

- Reduced opportunities due to Economic slowdown
- Changing education and Moral Values

Future Plans:

- To establish Research, Development, and Innovation Centre in the field of Biomedical Engineering with multidisciplinary collaboration.
- To start up PG stream in BME
- To set up emergency medical care and diagnostic services within the institution with the help of devices designed indigenously.

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department : **Biotechnology**
2. Year of Establishment : **2002**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

B.Tech Biotechnology

4. Names of Interdisciplinary courses and the departments/units involved :

S.No.	Subject	Department
1.	Maths	Basic sciences
2.	Probability&Statistics	Basic sciences
3.	ManagerialEconomicsandFinancialAnalysis	Humanities
4.	Advanced EnglishCommunicationSkills lab	Humanities

5. Annual/ semester/choice based credit system (programme wise) : **Semester based**

6. Participation of the department in the courses offered by other departments :

S.No.	**Names of the Course**	**Department**
1.	**Environmental science**	**Biomedical Engineering,Civil Engineering, Computer scienceEngineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Information Technology, Mechanical Engineering**
2.	**Analytical Biochemistry**	**Biomedical Engineering**
3.	**Medical sciences Lab**	**Biomedical Engineering**
4.	**Environmental Engineering**	**Civil engineering**

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: **NA**
8. Details of cours
9. es/programmes discontinued (if any) with reasons: **NA**
10. Number of Teaching posts

	sanctioned	Filled
Professors	1	1
Associate Professors	1	1
Asst. Professors	6	6

11. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.D.Sailaja	Ph.D	Professor & HOD	Genetics	20	4 (main guide) 10(Co-supervisor)
Dr. K.V. Pavani	Ph.D	Associate Professor	Life Sceinces	17	10(Co-supervisor)
Dr. N.Sunil Kumar	Ph.D	Assistant professor	Genetics	15 – Industry	6 (Co-supervisor)

				5 – Teaching	
Dr.K.Krishna Raju	Ph.D	Assistant Professor	Genetics & Plant Breeding	2	-
A.C.Poornanandha Chowdary	M.Tech	Assistant professor	Bioengineering Technology	9	-
C. Srikanth	M.Tech	Assistant – professor	Chemical Engineering	9	-
B.B. Sangameswaran	M.Tech	Assistant Professor	Biotechnology	6	-
Dr.V.Lakshmi	Ph.D	Assistant professor	Zoology	8	4 (Co-supervisor)

12. List of senior visiting faculty
    1. Dr.P.B. Kavi Kishore
       Prof & Head (Retd),
       Dept. of Biotechnology,
       Osmania University,
       Hyderabad
    2. Dr.K.Prabhakar Rao,
       Prof & Head (Retd),
       Dept. of Genetics,
       Osmania Univeristy,
       Hyderabad.
    3. Ms. R. Shyamala,
       Executive Director,
       Society for Energy, Environment & Development (SEED)
       Hyderabad.

13. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : **--**

14. Student -Teacher Ratio (programme wise)

Name of the Programme	**Student –Teacher Ratio**
B.Tech Biotehcnology	**15:1**

15. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	sanctioned	Filled
Academic Support staff	1	1

16. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Name	Qualification
Dr.D.Sailaja	Ph.D
Dr. K.V. Pavani	Ph.D
Dr. N.Sunil Kumar	Ph.D
Dr.K.Krishnam Raju	Ph.D
Dr.V.Lakshmi	Ph.D
A.C.Poornanandha Chowdary	M.Tech
C.Srikanth	M.Tech
B.B.Sangameswaran	M.Tech

17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

One from DST

Total grants Sanctioned: Rs. 22 lakhs

18. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

    1. SERC Fast Track proposal under DST Young Scientist's Scheme entitled "Mechanistic link between apoptosis and mRNA decay in Yeast"

    Total grants Sanctioned: Rs. 22 lakhs

19. Research Centre /facility recognized by the University
20. Publications:

    a) Publication per faculty :

    1. Dr.D.Sailaja

    * **Number of Patents awarded: One**
    * **Number of patents filed : Five**
    * **Number of patents published : Two**
    * Number of papers published in peer reviewed journals (national / international) : 15 (International)

    2. Dr. K. Krishnam Raju

    * Number of papers published in peer reviewed journals (national / international) : Four (International)
    * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Four (Pubmed)
    * Citation Index : Pubmed/ Medline, Science Citation index expanded
    * Impact factor : Total cumulative impact factor of all the four journals is 15.585

    3. Dr.K.V.Pavani

    * Number of papers published in peer reviewed journals (national /

international) : Four (International), Three (National)

* Indexed in scopus
* H Index- 25
* SJR- 0.41

4. Dr. V. Lakshmi

* Number of papers published in peer reviewed journals (national / international) : Fourteen (International)

21. Areas of consultancy and income generated : --
22. Faculty as members in

a) National committees b) International Committees c) Editorial Boards….

1. Dr. K.V. Pavani ; Life Member of Association Microbiologists India (AMI)

2 . Dr.V. lakshmi : Member, Editorial Board in Intl. Journal of Biology and Pharmaceutical Technology

23. Student projects
    a) Percentage of students who have done in-house projects including inter departmental/programme : 60 %
    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 40 %
24. Awards/ Recognitions received by faculty and students

    Faculty

    1. Dr. D.Sailaja : one Patent has been granted (No: 18610)

    Student

    1. Gold medal won by K. Ramya of 2008 - 2012
25. List of eminent academicians and scientists/ visitors to the department

    1. Dr. D.G. Rao,

    Sceintist & Head,

CFTRI

Hyderabad

2. Dr. R. Naidu,

Former Director Research Coffee Board,

Bangalore

3. Mr. Martin Lejendre,

Director Ethics & Govt. Affairs

Canada

26. Seminars/ Conferences/Workshops organized & the source of funding

a)National :

1. AICTE sponsored National Seminar on " Emerging trends in Nano Biotechnology"

b)International : --

27. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled *M**	***F**	**Pass percentage**
Mathematics-II(II-I)	85	85	42	43	81%
MEFA (III-I)	85	85	42	43	95%
Probability&Statistics (III-II)	85	85	42	43	81%
Advanced English Communication Skills Lab (III-I)	85	85	42	43	100%

*M=Male F=Female

28. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Tech Biotechcnology	90	10	---

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

    GATE : 20 % of students

30. Student progression

Student progression	Against % enrolled
UG to PG	**70%**
PG to M.Phil.	**-**
PG to Ph.D.	**80%**
Ph.D. to Post-Doctoral	10%
Employed • Campus selection • Other than campus recruitment	 20% 10%
Entrepreneurship/Self-employment	5%

31. Details of Infrastructural facilities

    a) Library : Yes

    b) Internet facilities for Staff & Students : Yes

    c) Class rooms with ICT facility : Yes

    d) Laboratories : 1. Biochemistry 2. Microbiology 3. Cell Biology 4. Analytical Methods 5. Bioprocess engineering 6. Genetic engineering 7. Plant Tissue culture 8. Immunology 9. Downstream Processing

32. Number of students receiving financial assistance from college, university, government or other agencies :

33. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S.No.	special lectures / workshops / seminar	External experts
1.	Lecture on IPR	Dr. Bhupathi Raju, IPR Consultant
2.	Workshop on Bioinformatics	BioAxis DNA Research Center
3.	Workshop on Enzyme Purification methods	Nitza Biologicals

34. Teaching methods adopted to improve student learning:
    - Audio-Visual aids
    - Tutorial / Remedial classes for academically weak students
    - Practical based approach
    - Expert lectures
    - Industrial visits
35. Participation in Institutional Social Responsibility (ISR) and Extension activities

    NSS Activities – Blood Donation camp, Visit to orphanages
36. SWOC analysis of the department and Future plans

    Strengths
    - Excellent Infrastructure
    - Well qualified & Experienced Faculty
    - Commitment

    Weakness
    - Communication
    - Less Employbility in core in
    - dustry

    Opportunities
    - Career growth
    - Increased opportunity of entrepreneurial activity

    Challenges
    - Creating Job opportunities

    Future plan of the Department

- To start new PG programmes
- Biotechnology research center
- MoU with industries

Evaluative Report of the Departments

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department: **Basic Sciences & Humanities**
2. Year of Establishment : **1997**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) **None**
4. Names of Interdisciplinary courses and the departments/units involved:

   CE,EEE,ME,ECE,CSE,IT,BME,BT,MCA & MBA
5. Annual/ semester/choice based credit system (programme wise):

   Semester based credit system
6. Participation of the department in the courses offered by other departments: **Regular course work at the 1st and 2nd year level**
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

   None
8. Details of courses/programmes discontinued (if any) with reasons

   None
9. Number of Teaching posts

	sanctioned	Filled
Professors		**3**
Associate Professors		**5**
Asst. Professors		**34**

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the

					last 4 years
Dr. R. Subrahmanyam	M.Sc., Ph.D.	Professor			
Dr. S.Ramamurthy	M.Sc., Ph.D.	Professor	Approximation Theory	19 years	2 under supervision
Dr. B.R.K.Reddy	M.Sc., Ph.D.	Professor	Computational Fluid Dynamics	14 years	None
Dr. V.P.S. Parimal Rao	M.A., Ph.D.	Associate Professor			None

11. List of senior visiting faculty:

1. Dr. S.R.K.Iyengar
2. Dr.K.M.M.Rao

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **None**
13. Student -Teacher Ratio (programme wise)
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: **None**
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **None**
18. Research Centre /facility recognized by the University
19. Publications:

* a) Publication per faculty
* Number of papers published in peer reviewed journals (national / international) by faculty and students
* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
* Monographs
* Chapter in Books
* Books Edited
* Books with ISBN/ISSN numbers with details of publishers
* Citation Index
* SNIP
* SJR
* Impact factor
* h-index

20. Areas of consultancy and income generated : **None**
21. Faculty as members in

    a) National committees b) International Committees c) Editorial Boards….

22. Student projects

    a) Percentage of students who have done in-house projects including inter departmental/programme: **8 B.Tech. Major projects were supervised at the Department**

    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

23. Awards/ Recognitions received by faculty and students
24. List of eminent academicians and scientists/ visitors to the department

Name of the Academician/Scientist	Designation
Dr. S.N.Narahari Pandit	Former Director, CQM, OU, Hyderabad
Dr. S.R.K.Iyengar	Former Head, Dept. of Math., IIT-Delhi

25. Seminars/ Conferences/Workshops organized & the source of funding

a)National : **None**

b)International: **None**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M *F	**Pass percentage**

*M=Male F=Female

27. Diversity of Students

Name of the Course	**% of students from the same state**	**% of students from other States**	**% of students from abroad**

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

29. Student progression

Student progression	Against % enrolled
UG to PG	

Student progression	Against % enrolled
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

    a) Library

    b) Internet facilities for Staff & Students

    c) Class rooms with ICT facility

    d) Laboratories

31. Number of students receiving financial assistance from college, university, government or other agencies

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: **The Department is guiding motivated students in various student enrichment programs particularly in Scientific Computation at its ADVANCED ACADEMIC CENTER**

33. Teaching methods adopted to improve student learning:

LCD projection, OH projection and conventional methods

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans: **The Department plans to use the facilities at its ADVANCED ACADEMIC CENTER in training staff and students in higher academics leading to published work.**

Evaluative Report of the Department of MCA

1. Name of the department : **MASTER OF COMPUTER APPLICATIONS**
2. Year of Establishment : **2001**
3. Names of Programmes / Courses offered: PG: **M.C.A.**
4. Names of Interdisciplinary courses and the departments/units involved :-

Subject	Department involved
Probability & Statistics	Basic Sciences
Accounting Financial Management	Management Studies
Organizational Structure and Personnel Management	Management Studies
Operational Research	Basic Sciences
Soft Skills	Basic Sciences

5. Annual/ semester/choice based credit system (programme wise) :- **Semester System**
6. Participation of the department in the courses offered by other departments :- NIL
7. Courses in collaboration with other universities, industries, foreign institutions :- NIL
8. Details of courses/programmes discontinued (if any) with reasons :- NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	01	01
Associate Professors	03	03
Asst. Professors	20	20

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years

Dr. A.Sai Hanuman	M.Tech(C.S.E), Ph.D	Professor & HOD	Data Mining	17	--
Y.Srilalitha	M.Tech(C.S.E), [Ph.D]	Associate Professor	Data Mining, Algorithms	16	--
N.V. Ganapathi Raju	M.Tech(C.S.T), [Ph.D]	Associate Professor	Information retrieval, Language Technologies	12	--
K Butchi Raju	M.Tech(C.S.T), [Ph.D]	Associate Professor	Data Mining, Web Technologies	06	--
Mr.Sk.Althaf Hussain Basha	M.Tech(C.S.E), [Ph.D]	Assistant Professor	Data Mining, Data bases	09	--
Miss.T.Anusha	M.Tech	Assistant Professor	E-Commerce	05	--
Mr.Ch.V.V.Satyanarayana	M.Tech	Assistant Professor	Computer Organization	05	--
Mr.V.Anand	M.C.A.	Assistant Professor	Linux Programming	06	--
Mrs. Saraswathy Rajaram	M.C.A.	Assistant Professor	OOAD UML	04	--
Mr.K.Srinivasa Rao	M.Tech,	Assistant Professor	Software Engineering	04	--
Mrs. Sheetal Jain	M.C.A.	Assistant Professor	Windows & Android Apps	06	--
Mrs. B.Aruna.	M.C.A.	Assistant Professor	Computer Organization	06	--
Mr.D.Srikanth	M.Tech,	Assistant Professor	Distributed Databases	01	--
Mrs.N.Gayatri	M.C.A.	Assistant Professor	IT Workshop lab	01	--
Mrs.K.Padmavathi Deepthi	M.C.A.	Assistant Professor	IT Workshop lab	01	--
Mrs.G.Karuna	M.Tech	Assistant Professor	Data Mining	10	--
Mrs. P.Madhura	M.C.A.	Assistant Professor	Software Engineering	04	--

Mrs. K.Beulah	M.C.A.	Assistant Professor	OOPS C++,Software Engineering	06	--
Mr.U Raghu Rama Raju	M.C.A.	Assistant Professor	Computer Networks	03	--
Mrs.E.Shailaja	M.C.A.	Assistant Professor	CO Lab	02	--
Mr.Shivnath Raju	M.C.A.	Assistant Professor	C++ Lab	01	--
Mrs.K.Jayalakshmi	M.C.A.	Assistant Professor	UML Lab	01	--
Mrs.T.Manasa	M.C.A.	Assistant Professor	DBMS Lab	01	--
Mrs.Dharani Kumar	M.Tech,	Assistant Professor	UML Lab	04	--

11. List of senior visiting faculty :- NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty :- NIL
13. Student -Teacher Ratio:- 1:15
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Support staff(technical)	02	02
Administrative staff	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.(refer 10)
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :- NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- NIL

18. Research Centre /facility recognized by the University:- NIL
19. Publications:

Name of the faculty	Publications (journals)	Publications (conferences)	Books published
Dr A Sai Hanuman	10	04	02
Mrs Y Srilalitha	02	02	01
Mr N V Ganapathi Raju	03	01	02
Mr Althaf Hussain Basha	07	06	--
Mr K Butchi Raju	01	04	--

20. Areas of consultancy and income generated :-NIL
21. Faculty as members in :-
    a) National committees b) International Committees c) Editorial Boards
        - Dr A Sai Hanuman, Editor, Journal of Data Engineering & Computer Science, ISSN 0975-8372.
        - Sk.Althaf Hussain Basha, Assistant Editor,International Journal of Advanced Computing, ISSN 0975-7686.
        - K Butchi Raju , Editorial Assistant,International Journal of Advanced Computing, ISSN 0975-7686.
        - N V Ganapathi Raju Web Committee in IJAC,JDES journals
22. Student projects
    a) Percentage of students who have done in-house projects including inter departmental/programme – 20%.
    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies- 80%.
23. Awards/ Recognitions received by faculty and students :-
    - Dr A Sai Hanuman,Best teacher award , One week workshop on teaching methodologies , Srinidhi Inst of Tech & Science Hyd in May2001.
    - Mr N V Ganapathi Raju,best project award in CDAC-HYd in Faculty development program (Prepare Future) in May 2008.

- Miss T Acthuta Lakshmi(Regd No:-03241F0001)Gold Medalist in JNTUH in 2006.

24. List of eminent academicians and scientists/ visitors to the department

Topic	Person	Date	No of Participants (students, faculty)
Soft skills	Radha Krishna.k (Krishnu career builders)	19/11/2012	92 ,02
Requairement Analysis in CRM	Sravanthi (project lead, Inforica pvt Ltd)	15/10/2012	68,01
How to get job	M.A.Imran (TCS, S.E)	19/7/2012	90 students
Software Testing Methodologies	Aravind Babu.S (Mahindra satyam)	10/4/2012	88 students
Software engineering life cycle	Durga Prasad (CSI)	7/3/2012	88,03
Personality Development	Akella Raghavendra	5/1/2012	90,10

25. Seminars/ Conferences/Workshops organized & the source of funding

Conference/Workshop	Topic	Date	source of funding
International conference	Advanced Computing Technologies(ICACT)	26-27 December 2008	AICTE
NATIONAL Workshop	Algorithms and Data Mining	9-14 November 2008	DST
NATIONAL Workshop	Advanced Algorithms and Data Mining Techniques	12-17 December 2008	AICTE
NATIONAL Workshop	Emerging Trends in DataMining	22 June-5 July 2009	AICTE
National workshop	Advanced Unix PROGRAMMING	JAN 2005	GRIET

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled** *M *F		**Pass percentage**
Probability & Statistics	92	92	61	31	91.3%
Accounting Financial Management	92	92	61	31	97.8%
Organizational Structure and Personnel Management	92	92	61	31	100%
Operational Research	92	92	61	31	93%
Soft Skills	92	92	61	31	100%

*M=Male F=Female

27. Diversity of Students

Name of the Course	**% of students from the same state**	**% of students from other States**	**% of students from abroad**
MCA	95%	5%	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? ?

29. Student progression

Student progression	Against % enrolled
UG to PG	--
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed • Campus selection • Other than campus recruitment	2012 batch 14 20
Entrepreneurship/Self-employment	02

30. Details of Infrastructural facilities

a) Library	Dept Library with 6500 volumes with 710 titles.
b) Internet facilities for Staff & Students	12 mbps provided to staff and studentsthrough wifi.
c) Class rooms with ICT facility	Out of 05 class rooms 03 are with ICT 03.
d) Laboratories	03

31. Number of students receiving financial assistance from college, university, government or other agencies.
    - 70% of students are getting financial benefit from the Govt of A.P. as a fees reimbursement.
    - Every year 4-6 students will get bus fare concession from the college.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Topic	Person	Date	No of Participants
Architects view for desiging / developing projects	Ch.Pratap (managing director Neo APP technologies pvt Ltd)	20/11/2012	89
SDLC	Hiteswar (CEO of LEO Technologies)	20/9/2012	88
Software systems demonstrated their product	Dr.Prasad Pingali (CEO)	13/2/2012	92
Personality Development	Akella Raghavendra	5/1/2012	90,10

33. Teaching methods adopted to improve student learning

- Extensive usage of ICT ->LCD , Online, Web based
- More Assignments
- Road shows & Projects

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Participation in **NSS camps** and **Red Cross Blood Donation Camps**.

35. SWOC analysis of the department and Future plans

Strength -> Committed & Qualified faculty, Good infrastructure
Weakness -> Poor and diversified intake of qualifications of the students.
Opportunities -> **I T & ITES**
Challenges -> Reduced opportunities due to economic slow down
More Engineers opted for MCA jobs
Reduced input due to less interest in BCA & non science
Bachelor programs

<u>**Evaluative Report of the Department of Management Studies**</u>

1. Name of the department : **MASTER OF BUSINESS ADMINISTRATION**
2. Year of Establishment : **2006**
3. Names of Programmes / Courses offered: PG: **M.B.A**
4. Names of Interdisciplinary courses and the departments/units involved :-

Subject	Department involved
Computer Applications to Business	Computer Science & IT
Quantitative Analysis Business Decisions	Basic Sciences
Accounting Package and SPSS	Statisticians
Business Communication and Soft Skills	Basic Sciences

5. Annual/ semester/choice based credit system (programme wise) :- **Semester System**
6. Participation of the department in the courses offered by other departments :- **B.Tech, M.C.A**
7. Courses in collaboration with other universities, industries, foreign institutions :- NIL
8. Details of courses/programmes discontinued (if any) with reasons :- NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	04	04
Associate Professors	6	6
Asst. Professors	09	09

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P.B.Apparao	M.Com., Ph.D., Certificate Cource in BASIC Programming	Professor	Human Resource Management and Accounting	42 Years	Ph.Ds awarded: 12 M.Phils awarded: 12 Ph.Ds awarded during the

					last four years: 4
Dr. Y. Rama Krishna Prasad	MBA, M.Com, M.Phil, Ph.D	Professor	Marketing	15	--
K.Surya Narayana	M.Sc(Electronics) M.B.A,(Ph.D)	Associate Professor	Operations Management	27	
S.Ravindra Chary	MHRM,MBA	Associate Professor	Finance	14	----
D.Indira	MBA, M.Phil, (Ph.D)	Associate Professor	Finance	15	
Dr.M.S.R.Sesha Giri	MBA, PG Dip in IR&PM,PG Dip In IB, Ph.D	Professor	Marketing	17	-
Dr. Payal Sarupria	MBA (Gold Medalist), Ph.D	Associate Professor	HR	5	-
Y.Gayathri	MBA, MCOM, Mphil	Assistant professor	Finance	13	
K K Sunil Kumar	MBA, Mphil, (PhD)	Associate Professor	Marketing & Systems	15	--
G. Vidya Rani	MBA	Assistant Professor	HRM	01	
Ch. Lakshmi Teja	MBA	Assistant Professor	Finance	03	
D. Roopa	MBA	Assistant Professor	HRM / Marketing	08	
P. Manjunath Redd	MBA	Assistant Professor	HRM / General Mgt.	02	
N.Latha	MBA	Assistant Professor	HRM / General Mgt.	02	
K,Venkateshwar Raju	MBA	Assistant Professor	HRM / General Mgt.	04	
E.Srinivasa Raju	MBA	Assistant Professor	HRM / General Mgt.	02	
M.Padma Raju	MBA	Assistant Professor	Finance	01	
K.Naresh	MBA	Assistant	HRM /	02	

		Professor	General Mgt.		
D.Padma Sundari	MBA	Assistant Professor	HRM / General Mgt.	02	

11. List of senior visiting faculty :- NIL
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :- NIL
13. Student –Teacher Ratio:- 1:12
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil/PG.(refer 10)
16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :- NIL
17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:- NIL
18. Research Centre /facility recognized by the University:- NIL
19. Publications:

Name of the faculty	Publications (journals)	Publications (conferences)	Books published
Dr.P.B.Apparao	About 40		7
Dr Y.Rama Krishna Prasad	03	10	0
D.Indira	02	1	0
Dr.M.S.R.Sesha Giri	04	07	1*
S.Ravindra Chary	-	04	-
Dr. Payal Sarupria	2	4	0
K.Surya Narayana		4	-
Y.Gayathri		4	
K K Sunil Kumar	2	2	-

20. Areas of consultancy and income generated:- Marketing – A Study on the awareness of Mobile Concrete Testing Lab in Hyderabad Market for Ultra Tech Cements Limited and Rs. 25,000/- income generated.
21. Faculty as members in :-
    a) National committees b) International Committees c) Editorial Boards

- Dr. P.B.Apparao, Chief Editor, Management Today, An International Journal of Management.
- Sri K.V.S. Raju, Managing Editor, Management Today, An International Journal of Management.
- Dr. Y. Rama Krishna Prasad, Advisory Board member of Management Today, An International Journal of Management Studies, ISSN: 2230-9764
- Sri K K Sunil Kumar, Member of Content Management Committee of Management Today, An International Journal of Management Studies, ISSN: 2230-9764

22. Student projects
    a) Percentage of students who have done in-house projects including inter departmental / programme – 20%.
    b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies- 80%.
23. Awards/ Recognitions received by faculty and students :-
    - Dr . Y. Rama Krishna Prasad, Best Conference Paper Award by IIM- A, in the II International Marketing Conference, organized in January 2011.

24. List of eminent academicians and scientists/ visitors to the department

Topic	Person	Date	No of Participants (students, faculty)
Entrepreneur Development and Promotion (EOP)	Ch. Vani and Rohit Kumar	23/11/2012	109+17

25. Seminars/ Conferences/Workshops organized & the source of funding

Conference/Workshop	Topic	Date	source of funding
Staff Development	Developing Research Skills in	FROM 02 MAY TO 16	AICTE

Programme	Management Scholars	MAY 2012	
National level Conference	Developing Research Skills in Management Scholars	12-27, March , 2009	AICTE
National workshop and MDP	Role of Corporate Governance	17 March 2007	GRIET

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled *M *F	Pass percentage
MBA –GR 11	ICET	120	73 47	85%

*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
MBA	95%	5%	--

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? ?

29. Student progression

Student progression	Against **%** enrolled
UG to PG	**--**
PG to M.Phil.	**--**
PG to Ph.D.	**--**
Ph.D. to Post-Doctoral	--
Employed • Campus selection • Other than campus recruitment	2010 – 12 batch 24 18
Entrepreneurship/Self-employment	6

30. Details of Infrastructural facilities

a) Library	Dept Library with 6500 volumes with 710 titles.
b) Internet facilities for Staff & Students	12 mbps provided to staff and studentsthrough wifi.
c) Class rooms with ICT facility	Out of 05 class rooms 04 are with ICT 03.
d) Laboratories	02

31. Number of students receiving financial assistance from college, university, government or other agencies .
    - 70% of students are getting financial benefit from the Govt of A.P. as a fees reimbursement.
    - Every year 4-6 students will get bus fare concession from the college.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

    As per the department plan and every semester we initiate Special lectures by the eminent speakers, workshops and seminars by the different agencies.
33. Teaching methods adopted to improve student learning
    - Extensive usage of ICT ->LCD , Online, Web based
    - More Assignments
    - Role play
    - Case Methodology
    - Road shows & Projects
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
    - Participation in **NSS camps** and **Red Cross Blood Donation Camps**.
35. SWOC analysis of the department and Future plans

    Strength -> Committed & Qualified faculty, Good infrastructure

Weakness -> Poor and diversified intake of qualifications of the students.
Opportunities -> Diversified students, vast learning sources
Challenges -> Reduced opportunities due to economic slow down

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) is 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.

Dr. Jandhyala N Murthy
Principal

Place: Hyderabad
Date : 24.10.2012