YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	GUDLAVALLERU ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. G. V. S. N. R. V. Prasad
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08674273737
• Alternate phone No.	08674273888
• Mobile No. (Principal)	9848779124
• Registered e-mail ID (Principal)	principal@gecgudlavalleru.ac.in
• Address	Seshadri Rao Knowledge Village
• City/Town	Gudlavalleru
• State/UT	Andhra Pradesh
• Pin Code	521356
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	19/06/2014
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Dr. A. Jawahar Babu**
• Phone No.	**08674273737**
• Mobile No:	**9440692472**
• IQAC e-mail ID	**gecnaac@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://gecgudlavalleru.ac.in/images/admin/pdf/1633081447_AQAR%202019-20%20-%20Final%20Report.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://gecgudlavalleru.ac.in/academic_calendar

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.07**	**2016**	**29/03/2016**	**28/03/2021**

6.Date of Establishment of IQAC	**02/07/2014**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NIL	**NIL**	**NIL**	**01/07/2020**	**0**

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

9.No. of IQAC meetings held during the year	**3**
• Were the minutes of IQAC meeting(s) and	**Yes**

compliance to the decisions taken uploaded on the institutional website?		
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	**No**	
• If yes, mention the amount		

11.Significant contributions made by IQAC during the current year (maximum five bullets)

Arranging Faculty Development Programs on written and oral English communications to the newly admitted faculty.

Conducting workshops on latest technologies for faculty and students, like IoT, Big Data Analytics, Artificial Intelligence.

Providing Hands-on Training on latest software tools to the students.

Implementation of Outcome Based Education and periodic conduct of academic and administrative audits

Arranging Skill Development Programs to the students.

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
To strengthen implementation of Bloom's Taxonomy	Enhancement of student knowledge levels in cognitive domain of Bloom's Taxonomy
To bring in innovative Teaching – Learning methods	Microsoft Teams for teaching and conduction of examinations by faculty members and pedagogy includes collaborative and participative learning.
To Conduct more skill development programs for the students	Improvement in number of campus placements.
To Organize the International conference in emerging areas	Organize the International conference in emerging areas

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	07/08/2021

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
10/01/2022	10/01/2022

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**14**

2.Student

2.1 Total number of students during the year:	**4878**
2.2 Number of outgoing / final year students during the year:	**1054**
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	**9533**

3.Academic

3.1 Number of courses in all programmes during the year:	**511**
3.2 Number of full-time teachers during the year:	**290**
3.3 Number of sanctioned posts for the year:	**290**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**694**
4.2 Total number of Classrooms and Seminar halls	**90**
4.3 Total number of computers on campus for academic purposes	**1444**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**1304.57**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The Institute is providing the complete flexible curriculum which is revised every three years to keep abreast with the changing needs of the industry and society. Accordingly, the Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs) have been thoughtfully drafted for R20 regulations, which is effective from the current academic year. The POs were designed to reflect the spirit of the Graduate Attributes as defined by accrediting bodies

of India. Seamless and meticulously articulated learning outcomes of individual courses have been devised to ensure a realistic attainment of the outcomes. A well established procedure for developing curricula is in place to fully reflect and justify the outcome based education. The curricula developed aims to produce employable graduates with skills to understand the contemporary societal issues while providing sustainable solutions. The needs of the industry and social relevance of the engineering education has always been the cornerstone of curricula development at GEC. A major strength of the curricula is a fine blend of skill development in modern engineering tools, multi disciplinary approach and professional ethics.. Industrial training, internships and projects, apart from professional and open elective courses are introduced. Also, feedback from the stakeholders is taken regularly to identify gaps and update the curriculum. The various statutory bodies like Academic Council and Board of Studies perform both advisory as well as vigilante roles to monitor the academic progress.

Relevance to local and regional needs

Students are encouraged to undertake projects in the areas of emerging fields, which offer solutions to societal problems. NSS is included in the curriculum for all disciplines where students visit the surrounding villages, identify local problems for which solutions can be offered.

Relevance to national needs

The curriculum has courses having social relevance that help in achieving the objectives like awareness of societal needs and problems and also in line with various initiatives of Government of India. Few courses are listed below

Courses in Curriculum	Linkage with Government of India Initiatives	
Hydrology and Water Resources Engineering	National River Conservation Plan	
Water and Waste Water Engineering	National Afforestation Programme	
• Disaster Preparedness and Planning • Disaster Management	National Disaster Management Plan	
Professional Ethics and Human Values	National Anticorruption Strategy	
Managing innovation and Entrepreneurship	Start-up India	
• Non Conventional Sources of Energy • Renewable Energy Sources • Energy Auditing and Management.	Ujwal Bharat	
• Data Mining	Big Data Initiative	

• **Big Data Analytics**	
• **Cyber Security**	**National Cyber Security Policy**
• **Cyber laws**	**Cyber Swachhta Kendra**

Relevance to global needs

The provision of inter-disciplinary subjects in the form of professional electives, open electives and optional electives in the curriculum and multi-disciplinary approach addresses the global needs in terms of innovations.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	**Nil**

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

14

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	**No File Uploaded**

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

332

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	**No File Uploaded**
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

250

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

14

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

GEC considers that the purpose of education is to make each learner recognize their identity, understand the purpose in life through

their connection and contribution to society, environment and to their fellow human beings. Curriculum offered at the GEC include courses that are diverse and cater to the cross cutting issues relevant to sustainable environment, human values and professional ethics for addressing the economic, social and environmental challenges. The students of GEC are moulded as responsible graduates, professionals by creating awareness and addressing the societal and generic needs. Along with a standardized learning plan, the curriculum is enriched by including the courses like, Environmental Studies, Energy Auditing, and Professional Ethics etc. This enriches the knowledge base of the student and improves the self-actualization and belongingness to the society.

The Environmental studies course make students to study many of the world's most pressing challenges. There is a worldwide concern over the availability of clean water, loss of bio diversity, environmental pollution. This course makes the students to examine significance of biodiversity, threats to biodiversity, causes and remedial measures of various pollutions, waste management methods and overseeing authorities to monitor the impacts of human activities on environment.

Engineer and Society

The 'Engineer and Society' course enables the students to understand human values like integrity, work ethics, cooperation, commitment, empathy, self confidence and character. It also highlights the need of protecting the nature by revealing the global climatic issues and mitigating strategies. This course emphasizes water conservation practices and waste land reclamation for sustainable development.

Green Engineering

The course 'Green Engineering' imparts the knowledge needed to minimize the impacts of products and processes on environment for sustainable development. Its main focus is conservation of resources to create sustainable products, facilities and infrastructure. It also enables the students to assess the life cycle of a product to evaluate its impact on energy and material use. The sole objective of this exercise is to allow the future generations to consume the natural resources without making any compromise on the present day consumption.

Environmental Engineering

This subject is introduced to make the students learn about analysis

and design of water and drainage network systems, water and wastewater (domestic and industrial) collection and treatment methods (preliminary, primary, secondary and tertiary), disposal methods for the sewage, treatment and disposal methods of sludge.

Renewable Energy sources

Fast depletion of fossil fuel sources, coupled with the harmful emission by them have prompted engineers to seek alternate sources of energy for sustainable development. The course on renewable energy sources offers the knowledge regarding exploitation and challenges in harnessing the renewable sources of energies like solar, wind, tidal and ocean.

In addition to the courses mentioned above, awareness regarding universal human values and gender equity is imparted to the students by arranging guest lectures, interaction with eminent people and monks of religious institutions during zero semester, in the form of induction programme which lasts for three weeks.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

5

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

464

File Description	Documents
List of students enrolled	View File
Any additional information	No File Uploaded

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1256

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	No File Uploaded

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://gecgudlavalleru.ac.in/images/admin/pdf/naac/AQAR/2021/1-4-1.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://gecgudlavalleru.ac.in/images/admin/pdf/naac/AQAR/2021/1-4-2.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1149

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

694

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

GEC believes in customizing the teaching and learning processes to suit the requirements of students soon after the admission, the students are categorized as Advanced and Slow learners based on their qualifying examination and Selection exam which is called AP EAPCET. In the subsequent semesters the learning abilities of the students are evaluated through mid examinations, assignments, class room interactions and mentoring. Based on the performance of the activities, students are categorized as advanced and slow learners and the same is made known to all the stakeholders.

Through brain storming sessions, Department lists a host of strategies for advanced learners and slow learners for appropriate curricular interventions and needful procedures.

 Catering the needs of advanced learners:

- **Advanced learners are guided by faculty to go for additional courses with self learning like NPTEL, MOOCs etc.**
- **Exposed to new technologies like IoT, AI & ML, Data science etc.**
- **Encouraged to participate in competitions, Smart India Hackathon Smart city Hackathon, challenge, coding contests etc.**
- **Students are encouraged to be members of professional bodies like IETE, IEEE, CSI, IEI, SAE Assisted for internship and short term courses Guided to take up various certification courses**
- **Provided campus training on advanced technologies like python, Revit, Hypermesh, CATIA etc Assisted in participation and presentation in national and international conferences/ seminars/ workshops etc.**
- **Encouraged and guided to do their mini/major project works in applying advanced technologies**
- **Encouraged to participate in various student clubs like innovation club, coding club, cultural club etc**
- **The advanced learners are permitted to take additional open & professional elective courses in advance from their second year of study, in the form of 'vertical mobility'. At the end of pre-final semester these students can complete all the theory courses and are permitted to take up one full semester internship at industry**

Catering the needs of slow learners

- **Bridge courses in basic programming, mathematics, and communication skills are conducted for lateral entry students to fill the gap between diploma and engineering and to improve their confidence levels**
- **Remedial classes/extra classes are conducted for slow learners by subject experts/senior faculty for clarifying their doubts in the specific subjects**
- **Special attention/counseling by the mentors**

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	**Nil**

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	4878	290

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

GEC adopts student centric methods to make the Teaching Learning process more effective for the holistic development of students through Experiential learning, Participative Learning and Problem solving Methodologies. Faculty of the institute imparts subject knowledge as per the syllabus and curriculum and foster self management and usage of knowledge, holistic development and skill development through participatory learning activities.

The following activities have been adopted by the faculty and they adorn student-centric methods:

1. Experiential Learning:

Laboratory Sessions: Curriculum was designed in such a way that sufficient emphasis is laid on hands-on experiments required for comprehensive understanding of the subjects. The laboratories, software and model experiments are devised to achieve this objective.

Industrial Visits: Study without practical approach is not considered as worth in this challenging and competitive environment. Putting that aim in mind college arranges visits to various industries in order to make them understand the classroom concepts in a better way.

Field works and Internships: The main motto of Field works/Internships are educational and career development opportunities, providing practical experience in a field/discipline.

Industry Oriented Mini Projects/ Case studies: Students are encouraged to take up any industry oriented application in his/her field of interest in their respective branch/field.

Community Outreach Programme: Students are taken to community visits as a part of NSS activity. These visits make them to understand real world societal problem. After visit they should understand and design solutions for at least one problem.

2. Participative Learning:

Expert Talks, Workshops and seminars: Students are encouraged to participate in workshops expert talks and seminars organized by various professional societies, esteemed institutes and industries.

Group Discussions and Role plays: The purpose of a group discussion is not to win an argument but it is to help each group member explore and discover personal meanings of a text through interaction with other people. In the Language lab students will get an opportunity to participate in group discussions. To improve the students' presentation skills and communication skills, language lab makes students to do role plays.

MOOCs: Faculty encourage students to do online courses to reinforce the concepts in curriculum and explore the fields beyond the curriculum.

3. Problem Solving Methodologies:

Developing Models in Engineering: Engineering often involves the construction and use of a wide variety of models and simulations to help develop explanations about behavior of the system under study. Models make it possible to go beyond observables and imagine a world not yet seen.

Project Based Learning: Project Based Learning is a teaching method in which students learn actively by engaging in real-world and personally meaningful projects. Students work on a project over an extended period of time from a week up to a semester that engages them in solving a real-world problem or answering a complex question.

Case studies: In short, case studies are a miniature version of a business situation used to facilitate learning. The major areas for case studies are women empowerment, finance, rural development, stock markets.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

GEC infused ICT tools in pedagogy to improve learning, motivate and engage learners, promote collaboration, foster enquiry and exploration and create a student centric learning culture.

Faculty utilize three types of ICT tools such as

1.   Generic tools for learning : Starting from productivity tools to simulation & modeling to access, extend, transform and share information e.g. Licenced and open source software for lab and Projects, APSSDC Certification courses

2.   Content-based resources : to access a vast source of educational resources that effectively can be integrated with the curriculum objectives e.g MHRD-NMEICT, NPTEL-SWAYAM, Blogs, etc

3.   Interactive instructional courseware: Self-paced learning materials e.g Google Class Room, Microsoft teams , Video Lecture, Course material in website etc

The integration of ICT with teaching and learning has produced some of the significant positive gains in learners' knowledge, skills and attitudes by providing the following key advantages:

•   Explore and represent information dynamically and in many forms

•   Become socially aware and more confident

•   Increase motivation

•   Communicate effectively about complex processes

•   Develop better understanding and broader view of processes and systems

•   Greater problem solving and critical thinking skills.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://sway.office.com/xi3UvzUmqlysKpv6?ref=Link&loc=play
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

290

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

The purpose of academic planning and monitoring process is

- To ensure that all departments have done proper planning before the start of semester for conduction of lectures, practicals, and other co curricular and extracurricular activates.
- To ensure that effective teaching learning is taking place throughout the semester.
- To ensure that fair continuous assessment and evaluation is taking place to support teaching learning

The process of academic planning and monitoring should be carried out through a systematic procedure as per the steps mentioned below:

 1. Preparation of Institute Academic Calendar: College Academic Council comprising of Principal, Vice Principal Academics, Vice Principal Administration, IQAC Coordinator, Heads of the Department (HOD), CoE, PD, all Professors will discuss and prepares the academic calendar for the institute. The academic calendars consist of plan of conducting in-house class tests, examinations, mock practical / oral examinations, semester end examination schedules

along with slots for co and extra-curricular activities etc. It is then distributed to all the departments.

2. Preparation of Departmental Academic Calendar: Each head of the department will prepare their Department Academic Calendar in consultation with faculty members in the department. Academic calendars of departments must include tentative dates of class test, dates of value added courses, extra and co-curricular student activities, departmental Student Association activities, mock practicals, dates for submissions, project reviews etc. Planning of student activities both extra and co-curricular shall be done in co-ordination of respective college level coordinators.

3. Allocation of courses to faculty: Course allocation is to be done by heads of departments by the end of previous semester in order to enable faculty members to start their preparation in vacation for the courses allotted to them. The steps to be followed by departments are

- Collecting electives choices from the students Collecting the course choices from faculty members
- Finalisation of electives considering the student choices, faculty choices, faculty expertise and previous experience of faculty members.
- Calculation of theory and practical teaching hours as per the finalised electives and university structure
- Allocation of courses to faculty

4. Preparation of all timetables (Class/ Class Room/ Lab and faculty timetables): The Institute level Time Table Coordinator plans the schedules for the common facilities and in line to the plan the departments prepares the Time table.

5. Preparation of Teaching Plan, Lab plan, CO PO PSO Correlation, Course file- The preparation is as per the templates finalized by Vice Principal Academics. IQAC monitors the adherence.

6. Curriculum Delivery (Theory and Practical Sessions): The effective implementation of curriculum will be ensured by supplementing classroom teaching with co- curricular activities.

7. Academic Monitoring: HOD, Vice Principal academics, IQAC Coordinator will monitor the progress of syllabus coverage. The number of lectures planned and the number of lectures actually conducted will be monitored, and necessary corrective actions will be taken for filling the gap

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	[View File](#)

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

290

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	[View File](#)
List of the faculty members authenticated by the Head of HEI	[View File](#)
Any additional information	**No File Uploaded**

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

73

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	[View File](#)
Any additional information	[View File](#)

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

290

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	[View File](#)
Any additional information	**No File Uploaded**

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

696

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Examination Reforms by the College

The following significant reforms were effected in the Examination system.

- ○ **Increasing weightage of marks for continuous internal assessment from 30% to 40%. Continuous internal assessment is carried out in the form of class tests and midterm examinations with 10% and 30% weightage of marks respectively.**
- ○ **Preparing unit wise Question Bank, by covering all possible levels of Blooms Taxonomy, in every subject for conducting semester end examinations by involving both internal and external subject experts.**
- ○ **Evaluation of Semester End Examination Answer Scripts:**

(i) B.Tech/MBA programmes: Single evaluation under the supervision of chief examiners (one chief examiner for every 3 or 4 examiners). The chief examiner will himself/herself re-evaluates 20% of the

scripts valued by each examiner to ascertain the veracity of evaluation and also to pass on the necessary instructions to the examiners from time to time.

(ii) M.Tech programmes:

- Double evaluation by two different examiners. If the variation in marks between the two evaluations is more than 20% of total external marks, third evaluation is taken up.
- Introducing challenge evaluation system and showing the evaluated answer script to the student are the measures taken as a part of the transparency in the evaluationsystem.

- Advanced supplementary examinations are conducted at final year level (both I and II semesters) for B.Tech and MBA programmes so as to give a chance to the students to clear the backlog subjects and obtain the degrees within the stipulated period of four years.
- Reevaluation of semester end examination answer scripts shall be carried out for registered students. If the variation in marks of two evaluations is more than 15% of total marks, there shall be a third evaluation by an examiner other than the first two examiners. The best marks of two evaluations (which are nearer) shall be taken into consideration
   - Students with no backlogs and CGPA not less than 7.5 may register for two professional elective courses offered in IVB.Tech II semester in advance so as to have exclusive project work during that semester.
- Strict adherence to the Institute academic calendar and timely publication of results.
- Preparation of detailed scheme of evaluation by internal subject / course experts and it will bring Uniformity in the evaluation among the evaluators.

IT Integration

- Automation of Examination Management System (EMS) services helps to integrate all the activities in the examination branch. The pre and post examination activities are integrated, starting with examination notification.
- Payment gateway is also available for the payment of various fees online by the studentsto make the registrations online for various services.
- Complete automation of examination process helps in the successful execution ofexamination processes such as monitoring of examination fee payment, examinationschedule,

seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry and preparation of program wise results.

○ Digital evaluation of semester end examination answer scripts is introduced so that the evaluation and assessments are fast, easy, accurate and highly secure.Customized reports can be generated with ease.

Continuous Internal Assessment System

○ Continuous internal assessment is done through conducting various tests from time to time.
○ Of 40 marks for internal assessment, 20 marks are for continuous assessment in the form of class tests/assignments/seminars and 20 marks are based on two mid-term examinations.
○ Average marks of the two class tests/assignments/seminars are taken as the marks for the continuous evaluation process and sum of the 75% marks of better scored mid-term examination and 25% marks of less scored mid-term examination are taken as mid-term examination marks.
○ After each test, the answer papers are given to students for verification.
○ The final internal marks are calculated based on the CIA Marks and made available to the students through online for verification.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Program Outcomes (PO) are broad statements that describe the professional accomplishments which the program aims at. POs are to be attained by the students by the time they complete the course. POs relate to the skills, knowledge and behavioral traits, the students need to acquire during their graduation. They are in coherence with the Graduate Attributes. The Program Specific Outcomes are the specific requirements to be met and the specific

accomplishments to be fulfilled by the students relevant to their program of study. POs, PSOs and Course Outcomes (COs) are framed after several brainstorming sessions among faculty members.

POs, PSOs and COs are communicated to the teachers and students by following means:

Department pages of college website, display boards in all the class rooms, laboratories, strategic locations in the department, HOD cabin, faculty cabins and seminar hall. They are published in handouts, syllabus books, and laboratory manuals. Head of the department addresses the faculty and the students and highlights the importance of POs and PSOs. Faculty in turn propagates the significance of achieving COs, POs and PSOs to students. They are also mentioned in the Parents meet, Alumni meet, and meetings with industrial experts. Every effort is made to disseminate them to stake holders effectively.

Attainment of program outcomes and course outcomes are evaluated by the institution.

For each course outcome, methods of measurement are identified to measure progress of the outcome. Assessment methods include direct methods and indirect methods. Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct methods include following:

Assessment of theory courses, through internal examinations and semester end examinations Assessment of laboratory course

Assessment of Project work

Indirect methods include, course end survey and student exit survey.

All the courses which contribute to PO are identified and these courses are evaluated through their course outcomes using direct assessment tools. The PO is also assessed using indirect assessment tools. Judicious mix of direct and indirect assessment lead to final assessment of that particular PO. This attainment level is compared with expected level. If the expected attainment level is reached then the PO is considered achieved.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	**Nil**

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

For each course outcome, methods of measurement are identified to measure progress of the outcome. Assessment methods include direct methods and indirect methods. Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct methods include following:

- Assessment of theory courses, through internal examinations and semester end examinations
- Assessment of laboratory course
- Assessment of Project work

Indirect methods include, course end survey and student exit survey.

All the courses which contribute to PO are identified and these courses are evaluated through their course outcomes using direct assessment tools. The PO is also assessed using indirect assessment tools. Judicious mix of direct and indirect assessment lead to final assessment of that particular PO. This attainment level is compared with expected level. If the expected attainment level is reached then the PO is considered achieved.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	**Nil**

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1054

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File]()
Upload any additional information	[View File]()
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

https://gecgudlavalleru.ac.in/images/admin/pdf/naac/AQAR/2021/2-7-1-SSS-2021.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institute strongly believes and is driven by the adage "a teacher is a perpetual learner". Accordingly, it encourages its teachers and students to carryout research in their respective areas. To succeed in their endeavors, college provides all the necessary infrastructural facilities, financial support and conducive environment to carryout research. Faculty members are motivated to submit the project proposals at the beginning of every academic year, to render a shape to their innovative idea. All the proposals are scrutinized department wise and feasible proposals are approved by granting requested budget. They are further encouraged to apply for research grants to procure necessary materials and equipment to various funding agencies like UGC, AICTE, DST etc. The facilities to conduct the research is continuously procured either through seed money in the name of internal R & D or through funded agencies. The equipment and other facilities to conduct research by faculty of engineering are available in Bio-fuel research laboratory (ME), Material testing laboratory (ME), Water Environment and Land center (CE), Smart applications laboratory (ECE), and Power systems laboratory (EEE). They act as platforms to conduct research activities by the faculty and the students in the form of project works. Efforts are under progress to augment the research facilities

further according to the needs of stakeholders. Improvement of research facilities has led to the recognition of research centers by the affiliating university JNTUK, KAKINADA. Many branches of engineering are recognized as research centers which enable the professors of the college to guide external scholars apart from in house faculty. College has a policy to promote research activity in the form of internal R & D and necessary incentives are granted to all the faculty to pursue Ph.D. It also felicitates faculty who acquires Ph.D. by additional incentives. It also allows faculty to visit industries, research centers, conferences and symposiums, either to enhance their interaction with external world or to know latest trends in technology or to get ideas from them.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	**No File Uploaded**
Provide URL of policy document on promotion of research uploaded on the website	https://gecgudlavalleru.ac.in/images/admin/pdf/college/Quality%20Document%202020%20Final.pdf
Any additional information	**No File Uploaded**

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

2.99

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	**No File Uploaded**

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	**No File Uploaded**
List of teachers and details of their international fellowship(s)	View File
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

23

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

0

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

GEC has Innovation and Incubation Centre, that provides a platform for students, research scholars, researchers, field experts and industry personals to interact and work in partnership to initiate breakthroughs: fusing the uncommon, taking risks and thinking big.

The main objectives are to:

Invoke innovative ideas and increase job opportunities.

Motivate students to participate in technology transfer management.

Increase effectiveness and utilization of resources on research and development activities.

Our management actively assists in broadening the scope of research, its utilization and intellectual property rights.

The Incubation Centre was provides creative atmosphere

where new ideas and projects can flourish. Incubation centre offers

A Platform on business incubation and innovation to provide spaces for incubation, counselling services on business management and technological solutions.

Interaction with the industries and other peers, finding the workable issues and provide appropriate solutions.

A systematic process designed for innovators to convert their concepts, ideas into product.

The centre works on the growth of staff and students, identifying the tools, devices, technologies and constructing a network for commercializing the products or services. Innovators and entrepreneurs are benefited in technology, expertise and facilities.

The college has excellent infrastructure and good relations with industries nearby and with alumni. The research facilities available here provide a supportive platform for evaluation of novel ideas and solution development. The existing facilities and the facilities extended by collaborating industries collectively form a highly conducive environment to encourage and nurture innovative ideas. Further students are encouraged to participate in Smart India Hackathon and Chhatra Viswakarma awards, a theme-based competition by AICTE to extract and display their novel thinking in application of technology to societal problems.

The Entrepreneur Development Cell is taking care of promoting the entrepreneurial culture among the students by conducting programs such as Entrepreneurship Awareness Camp, Entrepreneurship need and opportunities, entrepreneurship Challenges in setting social business. Many departments are recognized as research centers and faculty are encouraged to carryout innovative research projects. Many of the faculty members are working on funded projects. Further college administration is also providing facility and financial support for select innovative projects proposed by faculty and students. The students are also encouraged to conduct project model exhibition, workshops and symposiums to present their innovative ideas.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	**No File Uploaded**
List of workshops/seminars conducted during the year	View File
Any additional information	**No File Uploaded**

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	**No File Uploaded**

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

93

File Description	Documents
URL to the research page on HEI website	https://gecgudlavalleru.ac.in/images/admin/pdf/naac/AQAR/2021/3-4-2-PhD-Guidance.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	**No File Uploaded**

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

177

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	**No File Uploaded**

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

35

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1268

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

13

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	[View File](#)
Any additional information	**No File Uploaded**

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

3.11

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	[View File](#)
List of consultants and revenue generated by them	[View File](#)
Any additional information	**No File Uploaded**

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	[View File](#)
List of training programmes, teachers and staff trained for undertaking consultancy	**No File Uploaded**
List of facilities and staff available for undertaking consultancy	**No File Uploaded**
Any additional information	**No File Uploaded**

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Education is the process of preparing the individual to find out one's inherent potentialities and develop the same to the maximum extent in order to derive utility for himself and contribute to the society. Educational institution is an important social agency whose contribution to the development of the society is most expected and the national development too is revolving around it. Extension activities are the voluntary efforts of the educational institutes, inspired by ethical excellence toward social development through various activities like, enhancement of educational standard of underprivileged groups, adult education activities, environmental awareness, ecological conservation, health awareness, healthcare and sanitation, adoption of village for holistic development in addition to the academic commitment of the institution. Understanding the social responsibility, gratification of institutional social responsibility through enhanced extension activities will take the institution to eminence on the part of educational institution in general and the society where it is located in particular. GEC proudly conducts many extension activities for the benefit of surrounding community. GEC strongly believes that extracurricular activities will open avenues for the students to make social participation and contribute for the social empowerment. Under the aegis of NSS and UBA, GEC has conducted following programmes involving the student volunteers: Swatch Bharath, Vanam Manam (Tree plantation program), Legal awareness programme, Blood Donation camp, Digital Financial Literacy Programme, Clean and Green, Voter's Day celebrations, Ban Plastic and Modern Farming Methods. The very purpose of conducting these activities are many folds. To create awareness of health, need of maintaining clean environment, to enlighten the adverse effects of plastic, importance of planting trees, modern methods of farming to achieve productivity in agriculture to rural people. By involving students in these activities, they will come to know the need of upliftment of villages, their responsibility as engineers, need of literacy and how to make rural population tech savy at least to carry out their daily transactions. GEC treats extension activities as one of the important objectives to be fulfilled on par with its main activities like curriculum development, providing enough and appropriate infrastructure, examination and scholastic development etc. The impact of these extension activities is tremendous and commendable. Tangible change in communication, ability to face new people and empathy towards fellow men. This change reflected in better placements after their graduation.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://gecgudlavalleru.ac.in/nss_events_organized

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

0

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	**No File Uploaded**
Any additional information	**No File Uploaded**

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

7

File Description	Documents
Reports of the events organized	View File
Any additional information	**No File Uploaded**

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1047

File Description	Documents
Reports of the events	View File
Any additional information	**No File Uploaded**

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

466

File Description	Documents
Copies of documents highlighting collaboration	[View File](#)
Any additional information	**No File Uploaded**

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

13

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	[View File](#)
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	[View File](#)
Any additional information	**No File Uploaded**

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The college plans well in advance the requirement of infrastructural needs to meet the increase in intake and introduction of new courses besides improving the existing facilities to meet the cutting edge trends and requirements of industry. Campus maintenance and assessment of future requirements in association with academic and administrative authorities is monitored by an estate manager. Apart from the adequate availability of physical infrastructure, the institute has plans for future expansions or additional requirements with the help of Estate Manger who looks after campus maintenance to promote a good teaching-learning environment.

GEC has three academic blocks and other facilities with built-up area of 24520 Sq.m spread over 14 acres

Facilities for teaching learning

- 74 class rooms and 7 Seminar halls with ICT facility, one Central Lecture Theatre

- 18 Tutorial rooms, 3 Drawing halls and 6 Workshops

- 80 laboratories across all departments Computing facilities as per the norms

- Internet through LAN and Wi-Fi facility across the campus including hostels 131 access points for Wi-Fi connectivity

- Office 365 (Microsoft Teams) for online teaching

- Licensed software, Proge CAD, Solid works, CATIA, ANSYS, STAT PRO, MATLAB, e-CAD, and open source software

- Dedicated Research laboratories for all departments Workshops

- Skill development centres supported by APSSDC Project labs

The institute has adequate number of class rooms and laboratories as per AICTE norms to continue with any academic activity. Further, every department is equipped with their own computing resources as well as departmental library. Each department has dedicated seminar hall with internet and LCD projectors to conduct faculty and student development programs. The departments have their own specialized software in their laboratories. In addition to the above, the institute has a Central Library which is equipped with National and International journals. Unique feature of GEC central library is with discussion rooms which enable student groups to have academic discussions. Digital library is an additional advantage for the institute. Central lecture theatre with audio and video facilities can accommodate three fifty students at once. The very purpose of this lecture theatre is to have expert lectures from industry and academia to a focused group of students in a particular domain. All departments of the institute are fully equipped with latest state-of-the-art technology equipment as mentioned in the curriculum. Every department has got their own computing facility with latest software to meet their own requirements of major project/mini projects and research activities. Dedicated Internet facility with 360Mbps. Software tools necessary for the preparation of computer aided teaching material by the faculty is also made available to the student community. The institute regularly conducts national level technical paper presentations and awards are given to best papers.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institution is committed to motivate students for participating in various extracurricular activities by ensuring consistent motivation, sports Complex was spread with an area of 14 acres with necessary facilities and adequate funds are allotted. The Sports and Cultural Committees supervise the extracurricular activities. The institution is having a separate Physical Education Department with qualified Physical Director to train the students and to promote interest in Sports and Games. Gymnasiums with required facilities are made available to the boys and girls separately to keep their body fit. Daily 300 students are utilizing the ground facilities. A number of yoga classes are conducted in the campus through qualified trainers from outside.

Facilities for Cultural Activities:

A separate cultural hall provides ample opportunity to the students to nurture their musical bent of mind. Training for the following instruments is arranged by external experts:

Maddela, dholak, veena, violin, kanjeera, pads and keyboard

Institution is striving to fulfill the axiom "Student needs healthy body and sound mind" through institute's yoga center. A trained GURU imparts techniques to tame the body and mind.

The college has an open air auditorium and is used for conducting GECFEST and annual day celebrations.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://gecgudlavalleru.ac.in/facilties

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

90

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

422.26

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	**No File Uploaded**

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The college library is fully automated in the year 2002 and encompasses all aspects of library management system, with seating capacity of 500 spread over 1658 square meters area. The ILMS adopted is GEC Lib,

8.0.5. The distinct features of GEC Lib are: FROM LIB.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/central_library/At-a-Glance

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga	**A. Any 4 or more of the above**

Membership e-books Databases Remote access to e-resources

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	**No File Uploaded**

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

14.56

File Description	Documents
Audited statements of accounts	View File
Any additional information	**No File Uploaded**
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

150

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

GEC Information Technology (IT) Policy sets forth the central policies that govern the responsible usage of all users of the Institution's information technology resources. The college adopts active policy for its IT facilities as per the requirements of increasing intake of students. The bandwidth was increased to 300

mbps from 64 mbps, from City Online, and BSNL. The entire college campus covered with 131 Wi-Fi Access points to access Internet and Intranet educational resources. The Wi-Fi facility has been extended to all the hostels connected through Wireless bridges with Fiber optic cable. All the access points are password protect. MAC filtering for device registration is applied for Wireless devices/Laptops.

Cyber security is in place through cyberoam - 200 iNG model. Its Unified Threat Management system blocks accesses of unwanted sites. It also provides security from malwares and viruses. It is capable of handling 32 lakh sessions simultaneously. This feature not only meets present demand, but also the future requirements. Historical and real time monitoring of activities is possible through this system. As a part of cyber security, following preventive measures are in place through the system.

Protection of College IP address Web filtering option Application filtering

Web policy and Filtration:

The college has adapted the web policy and applied filtration for unhealthy and non working websites.

Access to the information through the Internet for enhancing knowledge levels. The websites are classified as Productive, Neutral, Unhealthy, and Non working.

Productive means domain GEC allowed sites, allowed websites banking, IRCTC, Redbus. etc. Neutral websites means Educational Institutions, Electronics, Cultural Institutions, Education and Reference Material, Health and Medicines., etc.

Unhealthy means Porn, Crime and Suicide, Militancy and Extremist, Phishing and Fraud, Weapons, etc.

Non Working means Blogs, Games, Finance, Entertainment, Astrology etc.

In addition to existing band width an extra band width of 20 mbps is provided by MHRD under NMEICT at a concessional rate of Rs. 39,000/- enabling the entire campus, including hostels. The campus is under electronic surveillance 24X7 with cameras installed at different places in the college helping maintain watch and ward and security.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://gecgudlavalleru.ac.in/images/admin/pdf/naac/AQAR/2021/4-3-1-IT-Policy.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4878	**1444**

File Description	Documents
Upload any additional information	**No File Uploaded**

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	[View File]()
Upload any additional information	**No File Uploaded**

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://sway.office.com/zGzgAx3llIrvfRRr?ref=Link
List of facilities for e-content development (Data Template)	[View File]()

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

401.38

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	**No File Uploaded**

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

The maintenance and utilization of physical, academic and support facilities are governed by standard procedures. Adequate academic, physical and support facilities are available on the campus. In order to ensure their maintenance and optimum utilization, various systems and procedures are established so as to benefit all the stakeholders.

1. Maintenance of Physical Infrastructure and Support facility:

Institute believes in maintaining a spic and span campus as a necessary prerequisite to achieving a salubrious environment. In view of this, Maintenance Committee has been formed which ensures that the maintenance of the physical, academic and support facilities is carried out in a planned and systematic manner as per the standard policies developed by the Institute.

Routine Maintenance:

Cleaning, Dusting, Sweeping and Mopping of all areas is undertaken daily by the contractual housekeeping staff and is supervised.

Machines and equipment having moving parts are subjected to routine preventive maintenance according to stipulated guidelines by OEMs.

All the measuring instruments are calibrated every six months by the in-house technical persons. Testing equipment is calibrated by concerned manufacturer or agency having expertise with calibration and relevant calibration certificate would be obtained.

All the UPSs are kept in a temperature-controlled environment and are given for annual maintenance contract for minimizing the

interruption of power due to breakdown and to prolong the battery life. Regarding computational facilities all computers are being used in air conditioning environment.

Up-gradation of system, the configuration takes place whenever the software requirements exceed the available capacity, also to meet the new curriculum requirements.

Exclusive maintenance crew is available to handle malfunctioning of systems and networking issues. Complaint regarding a system is to be intimated through a call report. The team responds to this call report and carries out the diagnosis. Appropriate remedial action will be intimated and accomplished.

The system administration team also ensures the provision of all LAN connectivity for proper access to internet facilities in the Institute.

Academic support facilities like class rooms seminar halls, central lecture theatre will be taken care by respective wings of maintenance.

Electrical section looks after replacement of switches, lighting requirements. Public address system, projectors are taken care by the department of ECE.

Sports facilities at GEC includes sports pavilions, gymnasium, cricket ground, volley ball courts, tennis court, ball badminton courts and similar places where members of the GEC assemble to engage in physical exercise, participate in athletic competitions etc. Procedures for maintenance of sports equipment, supplies like racquets, balls, nets, bats etc and grounds are routinized at GEC for safe and organized sporting events.

All the supplies are purchased as per the requirement and subject to budget provisions. Fitness Centre is given for annual maintenance contract. Lawn tennis courts, volley ball courts and shuttle courts are regularly rolled as per the norms. Every care is taken to see that participants will have a safe gaming experience.

Preventive Maintenance:

Painting: The Institute ensures that all the areas are periodically painted.

Air Conditioning: Many areas of the Institute are air-conditioned.

The maintenance of the Heating, Ventilation, and Air conditioning (HVAC) system is outsourced. The agency services the machines monthly and submits its report to Estates Manager.

CCTV: The Institute has installed multiple CCTVs on the Campus. The maintenance of the system is outsourced. The agency inspects the equipment monthly and submits its report to the Estates Manager

Water testing: as per the institution maintenance policy

Water Tanks / Septic Tanks: All the underground and overhead water tanks are cleaned by professional service-providers using sophisticated equipment including UV equipment.

Pest Control: The Pest control which includes combating general disinfection, rodent treatment and larva breeding is done periodically. Anti-Termite treatment is also done periodically.

Apart from the above all the Laboratories are maintained in proper working conditions and overseen by the concerned lab In-charges. Separate registers are maintained for lodging complaints, stock keeping works executed etc.

The repair and servicing of equipment are carried out after obtaining statutory approval of the concerned Head of the Department, Principal, and Management. The lab in-charge and the concerned faculty ensure proper utilization of the laboratory premises and instruments/equipment. The procurement of new equipment is as per the standard procedures wherein, the lab in-charge applies to the Principal through the Head of the Department. Upon obtaining approval from the Management, quotations/tenders are invited based on the tentative cost of the equipment.

The Central Library is headed by the librarian who oversees the maintenance and utilization of the premises and all the books, data, etc. The library staff maintains books in the lending as well as reference sections, stacked in catalogued racks segregated branch wise. The issue and return of the borrowed books are maintained by the library software. Procurement of new titles, volumes etc. is carried out once every academic year and even as per the requirements based on the inputs received by students, faculty members and the Library committee. Remote access to all online content is made available to all the faculty members. The students can access the same using dedicated systems available within the library premises. The subscription and renewal of the online journals are undertaken and overseen by the librarian and the

library committee for each academic year.

All the classrooms, seminar halls, auditoriums, etc. are ICT enabled and maintained under the supervision of the Estate Manager. All works related to periodic inspection, maintenance, and repairs are carried out by the Estate manager and his team of technicians and housekeeping staff.

A dedicated team comprising a system administrator and technicians takes care of periodic maintenance and upkeep of all computer systems in the Institute. Proper utilization of systems is overseen by the Lab in-charges and concerning faculties.

The maintenance and upkeep of all classrooms, seminar halls, etc. come under the purview of the administrative officer and his/her team of technicians and housekeeping staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/images/admin/pdf/college/Quality%20Document%202020%20Final.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

3126

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

`D. Any 1 of the above`

File Description	Documents
Link to Institutional website	**Nil**
Details of capability development and schemes	View File
Any additional information	**No File Uploaded**

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

`74`

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

`A. All of the above`

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**
Upload any additional information	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

687

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

18

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

51

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	No File Uploaded

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

0

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Students at GEC play a vital role in offering suggestions and assistance to administration by being part of various academic and administrative committees as follows:

IQAC

Class monitoring committee

Library committee

Sports committee

Cultural committee

Anti-ragging Committee

NSS Unit

Student associations of all the branches of engineering and MBA

Student clubs like Music and Photography Club, Quest, Innovation and Start-up Club, Coding Club etc.

Professional society student chapters like ISTE, IE, CSI,IETE,IEEE,SAE are active.

Students are nominated for the important body of the college, Internal Quality Assurance Cell (IQAC) after autonomous status has been conferred to the college. They actively participate in the meetings and offer valuable suggestions for the academic growth of the institution.

GEC is habituated to take feedback from its students on academics since its inception by constituting a group for every class, in the name of Class Monitoring Committee (CMC). CMC consists of selective students, faculty and Head of the department. It meets twice in a semester and invites the opinion on academic matters. HOD advises faculty to respond to the concerns expressed by the student members of the committee. Minutes of CMC will be forwarded to the Principal for intimation as well as for necessary action for the issues beyond the purview of Head of the department.

GEC also extends the opportunity to students, to acquire leadership qualities by participating in the annual festival of the college GECFEST, which is the confluence of technical, cultural and sports events. In this festival students from other colleges are invited to participate to showcase their talent in the above said events. And decorated artists perform their artistic skills to enthrall the audience. In this connection students actively involve in this festival from planning and execution of various events under the guidance from faculty. And every department is having its own student association whose aim is to conduct curricular, co-curricular, and extracurricular activities every week. In order to promote interpersonal skills, communication ability and organizational behavior, they will be given the opportunity to participate in various events, which help them to overcome certain inhibitions, fear of being ridiculed, and stage fear etc.

They are also active in the discipline and anti-ragging committees to inculcate discipline among them and to make the campus a ragging-free one. By active involvement of extension activities, they are exposed to real-life problems faced by the rural masses and they get an opportunity to offer solutions to the identified problems.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/IQAC

5.3.3 - Number of sports and cultural events / competitions organised by the institution

0

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni association of Gudlavalleru Engineering College was started in the year 2003. It was started with a motive of bringing together all the Alumni and share their experiences they faced outside the college and also extend their helping hands from all aspects for the budding engineers of the college. GEC Alumni association organizes various technical seminars / guest lectures, motivates and guides students for their academic improvement.

Significant move from the GEC Alumni association is 'DISA a way forward' - a career building programme for first B.Tech students. This programme will be organized every year for the benefit of I BTech students. This programme was started on 22nd November 2008 with the purpose of guiding the first B.Tech students through all the four years of their study in this college and for the betterment of their careers.

The following points are highlighted in DISA Programme:

1. The budding steps an engineering student needs to take during four years of his/her study.

2. The expectations of the industry from an engineering graduate and

how an engineer should adapt to changing industry expectations.

3. The various career options available for engineers in the light of present economy and educational system.

4. Need of acquiring skill set by doing certification programs through online resources like NPTEL, corsera, udemy etc

5. Importance of communication skills, and allocation of adequate time for keeping the body fit by participating in sports and games.

6. Emphasis on development of wholesome personality.

It offers scholarships to meritorious economically poor students and has also instituted cash award to the GATE top ranker of the college. A database for the alumni has been created, which will be constantly upgraded. This effort was initiated with the view to keep alive, the interaction between the alumni, so that, the alumni may, learn the where about of their batch mates, benefit from the placement cell, where in vacancies and opportunities may be put to use. This also helps in identifying potential among alumni who may, if willing, contribute useful service to the institute. The alumni association thus acts as a platform to share views and experience, on common interests.

All the outgoing students of GEC every year are welcomed into GEC Alumni's fold. Their presence in the association helps to promote personal relationship and thereby improving public relations. They can send the emails to gecgudlavallerualumni@gmail.com

Objectives of AAGEC:

1. To bring together all the old students and the faculty of Gudlavalleru Engineering College to share their experiences with each other.
2. To maintain and update the data base of all the alumni of the college and to interact with them.
3. To utilize the rich experiences of old students of the college for the benefit and progress of the present students.
4. To provide guidance to the young engineers in their endeavor for better employment and higher studies.
5. To promote the campus placements through the old students working in reputed industries in India and abroad.
6. To get the valuable advices of the Alumni in the overall development of the college.
7. To arrange seminars, debates, workshops on Science and

Technology and also to arrange cultural and social welfare programs.

8. To provide financial assistance to the needed alumni members pursuing higher studies based on merit and means.
9. To arrange donations to the poor students either by way of cash or kind for their education purpose.
10. To maintain libraries, reading rooms, lecture halls, training centers etc. useful to the members of the Association.
11. To arrange teaching and training classes to the students studying in the college and also to the members to upgrade technical and general skills.
12. To gather and maintain database of employment information and to assist the members in securing suitable jobs.
13. To maintain website, publish periodical magazines or bulletins with valuable information useful to the members and students.
14. To involve the members in the overall development of the college and the Society.

Present Office Bearers of Alumni Association of GEC:

Designation	Name & Organization
Chief Patron	Dr.G.V.S.N.R.V.Prasad, Principal, GEC
Patron & Honorary President	Dr.P.Kodanda Rama Rao, Vice-Principal Administration, GEC
Advisor	Mr.G.Balaji (1998-2002 Batch - EEE), Asst.Professor, EEE, GEC
President	Mr.D.Mahesh (2007-11 Batch - IT), Director- Product Engineering, ForecastEra Technologies Pvt.Ltd, Hyderabad
Vice-President1	Dr.J.Hari Kiran (2001-05 Batch - CSE), Assistant Professor SeniorGrade-1, VIT-AP, Amaravati
Vice-President2	Mr.K.Venkata Subba Naidu (2015-19 Batch - ECE), Software Developer,

	TCS, Hyderabad
Secretary	Mrs.K.Susmitha (2008-10 Batch - MBA), Assistant Professor, MBA, GEC.
Joint – Secretary1	Mr.N.Harish Babu (2008-12 Batch - EEE), IT Analyst, TCS, Hyderabad.
Joint – Secretary2	Mr.D.Roopchand (2009-13 Batch - IT), IT Network Engineer, Qualcomm India Pvt. Ltd, Hyderabad
Treasurer	Mr.B.RamaKrishna (2014-16 M.Tech Batch - CE), Assistant Professor, CE,GEC.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://aagec.gecgudlavalleru.ac.in/

5.4.2 - Alumni's financial contribution during the year	B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Vision of the Institute

To be a leading institution of engineering education and research, preparing students for leadership in their fields in a caring and challenging learning environment.

Mission of the Institute

o   To produce quality engineers by providing state-of-the-art engineering education.

o   To attract and retain knowledgeable, creative, motivated and highly skilled individuals whose leadership and contributions uphold the college tenets of education, creativity, research and responsible public service.

o   To develop faculty and resources to impart and disseminate knowledge and information to students and also to society that will enhance educational level, which in turn, will contribute to social and economic betterment of society.

o   To provide an environment that values and encourages knowledge acquisition and academic freedom, making this a preferred institution for knowledge seekers.

o   To provide quality assurance.

o   To partner and collaborate with industry, government, and R and D institutes to develop new knowledge and sustainable technologies and serve as an engine for facilitating the nation's economic development.

o   To impart personality development skills to students that will help them to succeed and lead.

o   To instil in students the attitude, values and vision that will prepare them to lead lives of personal integrity and civic responsibility.

o   To promote a campus environment that welcomes and makes students of all races, cultures and civilizations feel at home.

o   Putting students face to face with industrial, governmental and societal challenges.

The college is governed by well defined Quality Document. The Management, the Principal and the staff / faculty are always stepping in together for designing and proper applications of the

quality policy and plans. The Principal of the college is the head of the institution and provides requisite leadership to the system. The Chairman of the Managing committee keeps on meeting the college staff to discuss various policy matters and their application and adjudication.

The College Management Committee (CMC), comprising of majority of faculty representatives and representatives from Management discusses the proposals of College Academic Committee(CAC) to reform strategies and plans to upkeep the quality of education in the campus. The Members of the Management, Principal and other officials are always available to the faculty to present their views and ideas. The opinions of faculty and staff will be considered positively for evolving policies.

Management and Administrators provide adequate freedom to faculty for strengthening teaching-learning process, academic advancement, nurturing multifaceted talent in students. Faculty has liberty to formulate plans for supporting poor learners, preparing required learning material, organizing various programmes for curricular and extra-curricular abilities, encouraging enthusiastic learners for professional competency, designing new experimental set up in laboratories, taking up in house R &D projects. The freedom of action motivates faculty for creative and innovative practices, coordination and team work. The functioning of the college is very much transparent. Every individual in the organization can observe all the aspects and put forth their observations in the appropriate meeting. This kind of administrative mechanisms are becoming effective tools to realize Vision and Mission of the institution.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://gecgudlavalleru.ac.in/quality_policy

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Functioning of the college is transparent through well defined rules and regulations for governance. The voice of (opinion) every individual find place at its appropriate platform, which paves ways to participative Management and individuals can take decisions on the matters concerned to them. These provisions of governance is leading to effective leadership.

Institution has well defined mechanism to monitor effective and efficient use of available resources. The budget allotment will be done based on the budget proposals. The lab technician concerned and the Faculty In-charge concerned to the laboratory will arrive at the budget requirement of the laboratory will arrive at the budget requirement of the laboratory and will send their budget requirement to the Head of the Department. Head of the Department convenes a meeting in the department and discuss the consolidated budget proposal and finalizes the Budget Proposal of the department. The Principal will consolidate such Budget Proposals received from various departments and sections and presents it in College Management Committee, a committee that comprises of both faculty representatives and Management representatives headed by the Chairman of the College. CMC is an Advisory Body to Governing Body. The Head of the Department is delegated with a financial power of Rs. 25,000/- per semester and Principal is delegated with a financial power of Rs. 2,00,000/- per semester.

The top management provides effective academic leadership to the faculty, by setting goals and involving them in participative decision-making process, not only to achieve the vision, mission and goals of the institute, but also in building the organizational culture. The Principal permits the HODs and staff members in performing freely in the academic activities and administrative programmes such as departmental activities, allotment of workload, various academic committee programmes, association and club activities.

Top Management:-

- Designing Quality Policy

- Provide Budget

- Infrastructure

- Recruitment

- Provide support to economical backward students

Principal:

o   Quality policy- Planning, deployment and monitoring

o   Weekly Meeting with HOD

o   Departmental Meeting with faculty and non teaching staff once in Semester

o   Administration of teaching and learning

o   Monitor academic performance

o   Recruitment

o   Maintenance

 Program Coordinators

o   Departmental meeting

o   Execution of course work Social activities

o   MOU

o   Result Analysis and corrective actions

 Decentralized

1.   Top management has given necessary authority to Principal to manage different functions with operational autonomy.

2.   Principal forms different committees as per requirement.

3.   Committee co-coordinators have given appropriate authority by principal to take decision.

 Participative

1.   Participative management.

2.   Students, faculty and administration join hand in hand.

3.   Internal as well as external stakeholders are involved for any modification in teaching learning and administrative process or any similar process.

4.   College constitutes committees for general and academic development which includes faculty, nonteaching staff and students' participation and everyone is involved in decision making processes.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	https://gecgudlavalleru.ac.in/images/admin/pdf/college/Stratatic%20Plan-Deployment.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Vice-Principal (Academics), Vice-Principal (Administration), and Internal Quality Assurance Cell have started planning various activities of the Institution. The guidelines and expectations from the All India Council of Technical Education (AICTE), JNTUK Kakinada, Industries and Societies have been taken into account as a base for the strategic perspective plan for the next five years 2017-20. A summary of the recommendation of the perspective plan is as follows:

Key Focus Area	Recommendation / Plan
Administrative and Organizational Structure	An efficient and lean Organizational setup at Campus Establishing a paperless e-Office for efficien responsive and accountable administration
Academic Development & Academic Reforms	Industry Oriented Outcome Based Curriculum E-content generation
Quality Improvement	NBA accreditation for all Eligible Programs, Online Monitoring academic activities of the Development of academic facilities, Evaluatio Teaching-Lear processes, Feedback from all stake-holders, Training of in emerging areas
Exams & Assessments	Continuous Assessment for all Courses, On-line Internal Assessment to save time. Digital Eval of Answer-books,
Research & Development, Innovation	Development of Centers of Excellence in specif areas, Advanced Research facilities,

	IPR cells, Incubation centres, Capacity building of faculty in emerging area
Industry Relations	Two way Industry Interactions such as Staff Development, Joint Technology and Product Developments, Te transfer Training of Industry personal Industrial and corporate exposure
Information & Communications	Development of Information Management System, ICT infrastructure of High Speed computers, Da management System, Online resources and e-services to all Stake Online admissions, registrations, and conduct: examinations
Infrastructure Developments	Solar power generation, Water purification plants and Waste Disposal Shopping complex, Medical facilities for resid Sports Co recreational facilities Go green Initiatives Green Buildings
Skill Development	Development of skills in graduates in specific Training of uneducated youth and local populat
Alumni Relations	Networking with past students, developing loca chapters

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/images/admin/pdf/college/Stratatic%20Plan-Deployment.pdf
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Administrative Set-up:

The College has decentralized and transparent governing mechanism.

Chairman is the functional head of the college. He mainly looks after academics, development of education and also growth of institutions and can cause any action to be initiated which is required in his opinion for the promotion of the above subject to ratification by the Governing Bodies.

The Secretary & Correspondent is the chief executive of the College. He coordinates between the sponsoring Society, College Management Committee and the other systems of management in the college.

Advisor to the management advises the Management and Principal on academic, administrative and developmental activities by keeping himself apace with the latest trends in education.

The Principal is the chief Academic Administrator and a bridge between the Management, Staff and Students. Vice principal-Academics assists Principal in the domains of Teaching-Leaning process, Library and Laboratory Development, Academic Development, Examinations, Engineering PG studies, Research and Development and Consultancy.

Vice principal-Administration assists Principal in the domains of Overall Development Planning and implementation, including Quality Document, Recruitment, Training and Placement, Industry-Institute Interaction, Entrepreneurship development, Student Facilities, Student Counseling, Extracurricular activities, Student Discipline and Alumni Information.

College established Academic strengthening and Advancement Cell for reinforcing Teaching-learning process, Faculty competency, Research and consultancy. The Director(AS&A) of the cell with the Mentors works for the academic advancement of the faculty .Director(PGCERD) of the cell works for Research & Development, Consultancy. AS&A cell implements the action plans after the approval of CAC.

Controller of examinations (CoE) takes care of the responsibilities of Autonomous examination system and reports to Principal.

HOD is responsible for the functioning of that Department as per the laid down policies of the college. He will be consulting with and reporting to Vice Principal concerned in technical matters coming

within the purview of him.

In all subject matters of Vice principals, HOD shall report to the Principal through the Vice principal concerned. HOD will prepare budget estimation for the Department for its operation, maintenance and development. HOD will constitute various committees to help in various matters.

Recruitment Policy:

Selection shall be through open advertisement. AICTE and University guidelines will be followed for recruitment of staff. The following is the procedure in brief for recruitment of faculty.

Workload from Departments
Cadre-wise requirement as per AICTE
Calling for applications through advertisement and website
Scrutiny of applications
Interview calls by post and e-mail
Selection committee which includes external subject experts
Issue of Appointment letters
Ratification by G.B.
The selected candidates who join duty may have to appear for University Ratification if required to meet the University norms for affiliation. Review of appointments after six months / one year will be made at the level of Assistant Professors.

They will be placed on probation for one year to internal candidates and two years to external candidates.

Retired persons who have not crossed the AICTE permitted age may also be recruited and they shall retire after they cross the AICTE permissible age of retirement. However, continuation of services of the persons beyond the AICTE permissible age of retirement, if required, shall be decided by G.B. mentioning the extension period.

Committee for Staff Selection:

To constitute the staff selection committee for faculty for the institution in the following manner.

a)   Chairman of the institution or his nominee as the Chairman of the selection committee.

b)   Secretary & Correspondent or his nominee

c)   Principal

d)   Head of the Department concerned

e)   Another Senior Faculty from the same department

f)   One/Two External Subject experts in the cadre of Professors/ Doctorates

After the selection, the selected candidates are given appointment orders (Annexure – 3). The selections will be presented to the Governing Body for approval. The selected candidates who join, duty may have to undergo University Ratification if required to meet the university's norms for affiliation. They will be placed on probation for one year to internal candidates and two years for external candidates.

When an employee joins the college, a personal file shall be opened with

- His application and appointment order with photo
- Consent letter, if necessary
- Joining report
- Certificates of qualification and experience

The following shall also be maintained in the same file.

- His assessment reports
- Rewards / punishment details
- Any event to be recorded
- Promotion & salary hike
- Higher qualification details, if acquired during service
- Research publications, Book publications and patents
- Professional body membership details
- Agreements, if any
- Resignation / retirement details.
- Service Register

Service Rules:

To pay the following allowances to the office bearers and members of the society when they are on society's duty outside Gudlavalleru.

a) Traveling Allowance - Actuals with the Highest limited to economy class Air ticket
b) Lodging : Actuals with amount limited to Rs.3,000/- in cities

like Chennai and Hyderabad and Rs.5,000/- in cities like Mumbai, Delhi per day.

c) Cab Allowance: Actuals limited to Rs.2,500/- per day

d) Food Allowances: Actuals limited to Rs.1,500/- per day.

TA, DA and Other expenses:

When the staff is attending Paper Presentations and Training Programmes, they will be paid 2nd sleeper change and DA.

When staff is on college duty,

TA, DA and Lodging charges will be paid as mentioned below.

TA – Principal   -   2nd A/c

Professors   -   3rd A/c

Assistant Professors   -   2nd Sleeper

Lecturer   -   2nd Sleeper

DA per day to Professor/ Associate Professor/ Assistant Professor: Applicable as per State Govt. Norms.

Lodging charges: Actuals not exceeding Professor Rs.750/-; Associate Professor Rs.500/- and Assistant Professor Rs.400/- per day.

For Local Transportation: Actuals not exceeding Rs.300/- per day depending upon the distance from place of stay.

The staff before going should take guidelines for reasonable actuals from principal.

Leave Rules:

A) For Assistant Professor having a minimum one year experience at this college,

     Associate Professors and Professors from the date of their joining.

1. Casual Leaves and Special Casual Leaves:

15 days (including Special CLs) in a calendar year. Casual Leave

cannot be combined with any other kind of leave except special casual leave. It may be combined with holidays including Sundays. Holidays or Sundays falling within this period of casual leave shall not be counted as casual leaves.

Any Leave sanctioned for examination/Invigilation/Observer Duty other than JNTUK, will come under Special Casual Leave. In computing the special casual leave, the days of actual journey, if any, to and from the places where activities specified above, tale place will be excluded. Undergoing sterilization operation (Vasectomy or Salpingectomy) under family welfare programme, will also come under special casual leave and will be restricted to six working days. Leave for a Female teacher who undergoes non-puerperial sterilization also comes under this special casual leave and the leave shall be restricted to fourteen days. Special casual leave cannot be accumulated, nor can it be combined with any other kind of leave except casual leave. It may be granted in combination with holidays or vacation.

Not more than 7 days leave shall be availed at a time, including holidays under Casual Leave.

Out of 15 available Casual Leaves faculty are advised to avail upto 8 casual leaves before June and the balance before December.

B) Assistant Professor in the first one year: Only one CL for 30 days of working and CL should be availed after earning this. They are not eligible for other leaves.

Sanction of Casual Leaves:

Casual leaves of teaching and non-teaching staff (except Vice Principals, coordinator T & P and Officer-in-charge examinations) will be sanctioned by concerned HODs and other section heads.

Principal is the sanctioning authority for CLs of Vice Principals, HODs, Coordinator(T&P), Officer-in-charge of examinations, Librarian, Physical Director, Office staff and any other not covered above. However all these CLs shall be routed through proper channel.

HODs shall maintain the leave record of entire staff of their departments/section heads and submit monthly reports to the Principal.

2. On duty Leave:

(i)   On duty leave may be granted for:

(a) to perform any duty assigned by the college authorities

(b) assigned to perform invigilation, spot valuation, external examiner / observer

duties at other engineering colleges affiliated to JNTUK. However, no TA, DA or any other expenses shall be paid by the college for these assignments.

(c) the duration of leave should be such as may be considered necessary by the sanctioning authority on each occasion.

3. Academic Leave:

1. for faculty attending paper presentations, conferences, workshops, training programmes continuing education programmes etc.

- No one shall be sponsored for conference, unless his paper is accepted. In special circumstances when it will be very useful to the institute, a nominated senior faculty may be sponsored.
- In the cadre of Assistant Professor one should have a minimum of two years service.
- No staff member shall be sponsored for more than two times in an academic year including paper presentations and training programmes.
- Professors – 2 Seminars/Conferences with financial commitment and 2 seminars / conferences without financial commitment in one year.

1. delivery of guest lectures at institutions, key note lectures, chairing sessions at conferences/symposia etc. on invitation; two times in a year for Professor and one time for other faculty subject to a maximum of four days each time (eligible for Academic Leave only and no financial assistance will be provided).

c) The Academic Leave may be granted on full pay, but if the teacher receives a fellowship or honorarium or any other financial assistance beyond the amount needed for normal expenses, he/she may be sanctioned Academic Leave on reduced pay and allowances.

d) Academic leave may be combined with earned leave, half pay leave

or extraordinary leave with loss of pay.

4. Earned Leave (E.L):

- For Professors and Associate Professors, earned leave will be calculated from the day of their joining in this college. However, in case of Assistant Professor, only those with at least one year experience will be considered for earned leave and their period of service after their first year of service in this cadre will be taken into account for this purpose.
- One earned leave for 30 days of actual service and 1/3 of vacation period.

It is resolved "Only those days during vacation on which the services of teaching faculty were specifically requisitioned by HOD (under copy to the Principal) or Principal in writing mentioning there the nature of work for which their services were requisitioned will be considered for calculation of earned leave during vacation". Earned Leaves can not be claimed for the days on which the faculty attend examination duties (e.g. Invigilation, spot valuation, examiner ship; etc.) and other remunerative works or if they attend the college on their own during vacation.

The teachers who are assigned duties during vacation have to observe the college working hours and sign in the register.

- A Staff member cannot apply less than 3 days E.L if the number of C.Ls are more than three to his/her credit. If C.Ls are exhausted, then only he/she may be permitted to apply one or two E.Ls.
- E.Ls cannot be combined with any other leave.
- Faculty should be present either on last working day before vacation or the reopening day after vacation. If anybody is not present either on last working day or the reopening day, he/she shall apply E.L only.   If he/she is absent on both the days the entire vacation shall be treated as E.L.
- E.Ls and extraordinary leave on loss of pay shall be for full day only and cannot be for half day.
- Earned leave at the credit of a teacher shall not accumulate beyond 180 days. The maximum earned leave that may be sanctioned at a time shall not exceed 30 days. Earned leave exceeding 30 days may, however, be sanctioned in the case of higher study, training or leave with medical certificate or when the entire leave or a portion thereof is spent outside India.

5.   Maternity leave: 60 days for two times in career.

   1st time full pay

   2nd time ½ pay

6.   Medical leave:

Medical leave is applicable for teachers with minimum of one year experience at this college. Twenty such half pay medical leaves will be credited for each completed year of service subject to a maximum of 180 cumulative half pay medical leaves. These half pay leaves will be sanctioned for genuine medical purpose only. Faculty with one year experience at this college shall be credited 20 days eligible half pay medical leaves from 01-01-2007 onwards.

7.   Study leave:

Mentioned under sponsoring teachers to higher studies in human resource faculty.

8.   Sabbatical leave:

Faculty at the discretion of the college may be sanctioned sabbatical leave to undertake study or research or other academic pursuits solely for the objective of increasing their proficiency and usefulness to the institution on higher education system.

The duration of leave and the number of times it may be sanctioned, is at the discretion of the college.

Sabbatical leave shall not be granted during the period of service to the college under an agreement for the higher studies they were sponsored to.

During Sabbatical leave he/she is eligible for service benefits of seniority and grant of increments.

9. Extra Ordinary Leave on Loss of pay:

Extra Ordinary Leave on Loss of pay are for full day only.

Principal / C.M.C. is the sanctioning authority of all leaves coming under any other category except C.Ls.

For any kind of leave not described above Governing Body is the

sanctioning authority.

Absenting without sanction of leave shall be treated as break-in service.

Service benefits:

Employees will be provided EPF, they will also be provided insurance covering accident & health.

They will be paid gratuity kind of payment subject to a maximum consideration of Rs.20,500/- salary per month.

Retirement Age:

1. For faculty: The Retirement age for faculty is 60 years. Proforma on Intimation of retirement is given in Annexure – 6. However, if the services of a particular teacher are required by the college, the Governing Body may extend his services to the age permissible as per AICTE norms/guidelines.

Similarly, a teacher when required by the college may be appointed after 60 years, who shall retire after he crosses the AICTE prescribed age of a teacher..

File Description	Documents
Paste link to Organogram on the institution webpage	https://gecgudlavalleru.ac.in/images/admin/pdf/college/ORGANIZATION%20CHART.pdf
Upload any additional information	No File Uploaded
Paste link for additional Information	https://gecgudlavalleru.ac.in/quality_policy

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	**No File Uploaded**
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Welare Measures for Teaching and Non-Teaching staff

1)   EPF: Rs.1,800/- per month. College pays its contribution of Rs.1,800/- month if the faculty member pays his contribution.

2)   Gratuity kind of payment: Faculty with five years of continuous service in the college, are eligible for Gratuity kind of payment subject to a maximum consideration of a monthly salary of Rs.20,500/-. 75% of the Gratuity kind of payment payable to the faculty after 5 years of stay in the college will be paid as interest free loan against Gratuity kind of payment payable and the gap between two loan claims is 3 years.

3)   Insurance cover for Health (Rs.50,000/- Mediclaim)and Personal Accidents (Rs.1,00,000/-).

4)   Transport (for Professors): Free Transport for Professors & Concessional Transport for other staff.

5)   Medical Facilities: Free Medical consultancy and Hospitalization for common ailments: provided through College Medical Centre and two medical officers, one male and the other female officer are appointed and two medical assistants (one male and one female)

6)   The following incentives shall be paid to faculty staying in the college continuously for ten years initially and five years continuously each time later.(i) Ten years initial continuous stay: Rs.1,00,000/-, (ii) Every Five continuous years afterwards: Rs.50,000/-.

7)   Sponsoring to Higher Education: (i) Faculty will be sponsored for Ph.D programme case by case. (ii) The sponsored teacher and the college will be governed by the registered bilateral agreement.

8)   Principal/Professor in Engineering departments: For Ph.D holders Rs.8,000/- to Rs.30,000/- depending on specialization and experience & other terms & conditions.

9)   Sponsoring for National / International paper presentations, continuing education programs, conference.

10)   Casual Leaves and Special Casual Leaves: 15 days (including Special CLs) in a calendar year. Casual Leave cannot be combined with any other kind of leave except special casual leave. It may be combined with holidays including Sundays. Holidays or Sundays falling within this period of casual leave shall not be counted as casual leaves.

11)   On duty Leave: (i)   On duty leave may be granted for (a) to perform any duty assigned by the college authorities, (b) assigned to perform invigilation, spot valuation, external examiner / observer duties at other engineering colleges affiliated to JNTUK. However, no TA, DA or any other expenses shall be paid by the college for these assignments., (c) the duration of leave should be such as may be considered necessary by the sanctioning authority on each occasion.

12)   Academic Leave for faculty attending paper presentations, conferences, workshops, training programmes continuing education programmes, attending guest lectures etc.

13)   Earned Leave (E.L): For Professors and Associate Professors, earned leave will be calculated from the day of their joining in this college. However, in case of Assistant Professor, only those with at least one year experience will be considered for earned leave and their period of service after their first year of service in this cadre will be taken into account for this purpose.   One earned leave for 30 days of actual service and 1/3 of vacation period.

14)   Maternity leave: 60 days for two times in career. (i) 1st time full pay, (ii) 2nd time ½ pay

15) Medical leave: Medical leave is applicable for teachers with minimum of one year experience at this college. Twenty such half pay medical leaves will be credited for each completed year of

service subject to a maximum of 180 cumulative half pay medical leaves. These half pay leaves will be sanctioned for genuine medical purpose only. Faculty with one year experience at this college shall be credited 20 days eligible half pay medical leaves from 01-01-2007 onwards.

16) Study leave: Mentioned under sponsoring teachers to higher studies in human resource faculty.

17) Sabbatical leave: Faculty at the discretion of the college may be sanctioned sabbatical leave to undertake study or research or other academic pursuits solely for the objective of increasing their proficiency and usefulness to the institution on higher education system. The duration of leave and the number of times it may be sanctioned, is at the discretion of the college. Sabbatical leave shall not be granted during the period of service to the college under an agreement for the higher studies they were sponsored to. During Sabbatical leave he/she is eligible for service benefits of seniority and grant of increments.

17) Extra Ordinary Leave on Loss of pay: Extra Ordinary Leave on Loss of pay are for full day only. Principal / C.M.C. is the sanctioning authority of all leaves coming under any other category except C.Ls. For any kind of leave not described above Governing Body is the sanctioning authority. Absenting without sanction of leave shall be treated as break-in service.

18) Retirement Age:

For faculty: The Retirement age for faculty is 60 years. Proforma on Intimation of retirement is given in Annexure – 6. However, if the services of a particular teacher are required by the college, the Governing Body may extend his services to the age permissible as per AICTE norms/guidelines. Similarly, a teacher when required by the college may be appointed after 60 years, who shall retire after he crosses the AICTE prescribed age of a teacher.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/images/admin/pdf/college/Welfare%20Schemes.pdf

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops

and towards payment of membership fee of professional bodies during the year

57

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

16

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	**No File Uploaded**

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

290

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

GEC Strictly believes in following all statutory requirements for all audits and accounting practices. The Institution conducts

internal and external financial audits regularly. As part of this mechanism, College conducts internal financial audit by presenting outcome budget, Income and Expenditure details, Receipts and Payments, Budgetary obligations in College Management Committee for discussion and communications.

The audit objections, if any will be discussed in the CMC. CMC will be conducted once in three months.

College conducts external financial audits regularly and the copies of audited statement will be published in college website.

The external audit is conducted once in a year. The external audit is carried out by M/s SivaKrishna & Narayan Chartered Accountants (Regn.No.03883S).. The queries which are raised are put before the Principal who clarifies & rectifies before finalizing the accounts. The Principal also contemplates and decides to appoint an Audit Sub-Committee that attends all the queries raised by the internal audit team and external auditors.

The Objective of Internal & External Audit:

The primary objective of conducting Internal and External audit is to identify the discrepancies in the accounting process. The in-house team, consisting of two members, conducts the internal audit twice in a year and registered Chartered Accountants conduct the external audit once in a year. The departmental budget is followed and the optimal utilization of funds and the monitoring of the budget are done through Internal and External Audit.

After locating the discrepancies in the internal audit, a report is submitted to the Vice Principal administration who then reviews the report, discusses with all the CMC members and then submits the report to Principal. The Principal directs the Accounts Officer to make the necessary corrections on internal audit. The Accounts Officer rectifies the identified discrepancies and submits the corrected audit report to the Principal through Vice Principal administration.

All the financial rules that are implemented in the college take place through No-Cash transaction to the extent possible. Payment of fees is also done through online transaction. An effective Financial Management System is followed which takes utmost care to follow the best accounting practices which give no chance for financial mismanagement.

External Auditors who are certified Chartered Accountants prepare the Audited financial statements including Income and Expenditure details, Audited Reports and then the same is filed in the Income-Tax Department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalleru.ac.in/images/admin/pdf/1638965454_GEC%20AUDITED%202020-21-1-4.pdf

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	View File
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The different sources for mobilizing the funds is as follows

1.   Tuition fees from students

2.   Through external research projects

3.   MODROBS

4.   AICTE seminar grants

The major source of revenue for the institute is the Annual tuition fee collected from students. The fee is collected from students' as per the guidelines issued by the fee fixation committee of state government of Andhra Pradesh. Mobilization of funds is also done through sponsored projects from Government agencies.

The college budget is allocated based on the needs. The college follows a systematic approach towards the allocation of budget. All the departments are requested to submit an estimate of requirements for their respective department which is discussed under various heads of their department. The needs of the particular department are analysed separately and the required budget is allocated. Further, if there is any requirement for the departments other than the one stated in the budget, the same can be procured by submitting the necessary details. Hence, all the departments are allocated with budget adequacy to meet their needs. Budget requirements under 'recurring 'and 'non-recurring' heads are collected from every department before the commencement of the financial year. Before the commencement of the financial year, budget proposal is collected from all departments. The same is placed before the Finance committee and the committee in turn will deliberate and makes necessary changes for a proper balance of receipts and expenditure. The same will be submitted to Governing Body for approval. Budget approvals will be communicated to the departments and sections. The institution keeps track of the budget. In any unforeseen circumstances, non-budgeted amount is considered and allotted depending on the merit of the case. The requests are consolidated and reviewed by the Administration team and funds are allotted. Utilization of allocated funds are monitored periodically and reviewed at the end of the Financial Year.

More budgets have been allocated to the infrastructure built-up and laboratory equipment's. Also moderate budgets have been allocated in case of consumables; the same has been utilized for Research and development activities. Separate budget has been allocated for library, Research and development. Additional funds will be allocated in case of emergency requirement. Some of the namely utilization of funds is towards the expenditure on salary of teaching and supporting staff, purchase of equipment, machinery and furniture, library books, e-subscriptions, electricity charges, consumables, software, internet bills, repair and maintenance, faculty development programs, advertisement, affiliation and approval fees, printing & stationary, sanitation- housekeeping- gardening and security charges, and other miscellaneous expenses.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Institute's Internal Quality Assurance Cell (IQAC) is as per the guidelines of NAAC. Following quality assurance strategies are implemented regularly:

1.   Conduct of academic and administrative audits:

        The objective of academic and administrative audit is to review the quality of the academic process and assessment of policies, strategies and functions of various administrative departments, control of overall administrative system.

  This audit ensures whether following activities are being conducted regularly which ensures quality in teaching learning process:

 o   Encouragement of students to participate in curricular, co-curricular and extra-curricular activities within and outside the college.

o   Conduct of student development programmes

o   Conduct of faculty development programmes

o   Encouragement of faculty to participate in conferences to present papers, attend FDPs outside the college.

o   Financial support in the form of seed money to faculty to undertake research activity.

o   Feedback from all the stakeholders regarding design and implementation of curriculum Feedback from students regarding teaching-learning process and corrective measure

 2.Faculty academic enrichment

 The second significant move as an initiative of IQAC cell is enriching faculty expertise by encouraging them to attend NPTEL courses and participate in subject expert programme. In this

programme, newlyrecruited faculty will undergo guide-mentee programme, where a senior faculty will guide him regarding preparation of lecture material, delivery of the content and preparation of questions as per the Bloom's Taxonomy. A faculty having more than three years of experience will be asked to acquire proficiency in the subject by undergoing NPTEL and other similar courses of his specialization. To guide him in this direction, a senior faculty of same specialization will be allotted to him, under whose mentorship he attends all these certification courses. His performance will be judged by external experts if necessary. ELT center of GEC will impart training to refine the communication skills of faculty. As a result, faculty of all departments are becoming more knowledgeable to impart quality education, contributing to the success of students in their endeavor

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The IQAC has developed a continuous review process on teaching-learning to sustain effective teaching and learning for targeted outcome. IQAC believes in appropriate planning for success. Following are few parameters on which review is conducted.

Curriculum Level

Review of

- Syllabus coverage
- Student feedback
- Mini projects, Projects and internships
- Conduction of remedial classes
- Attainment of Cos, POs and PSOs

Co-curricular level

Review of

- Conduct of student development programmes
- Industrial visits

- ○ Student participation in paper contests, model making
- ○ Faculty development programmes
- ○ MOOC certifications by faculty and students
- ○ Activities from Professional societies
- ○ Publications in journals

The IQAC Cell is striving hard for incremental improvements with regard to quality and post accreditation quality initiatives.

Criteria	Initiatives implemented
1	○ Autonomous -OBE Curriculum for holistic education. APSSDC Center of Excellence for certification courses. Compulsory Internship. ○ Value Added courses and NPTEL Active Chapter with Score A.
2	○ Effective mentoring system for all round development of students. ERP module for academic planning, monitoring ○ LMS and Lecture Capturing system to integrate ICT in Teach Learning pro 9 Clubs and Professional student chapter ACE,CSI,IEEE,IE,SAE, ISTE. NPTEL Active chapter, IIT Mumba Remote Center. ○ Enhancement in PhD qualified faculty and Cadre Ratio. Stude centric learning environment. ○ Reformation in Assessment process as per AICTE, UGC,NAAC a NBA. NBA Accreditation of UG - IT,ECE,EEE,ME ○ Outcome Based Education is in Practice.
3	○ Seed money, Incubation Centre and consultancy, Centre of Excellence Labs ○ Enhancement in Publications in reputed journals. ○ Innovation contest conducted to transform student's innovat intoproducts ○ Industry Academia linkages. ○ JNTUK recognized NSS Cell and research centers ○ Invited talks and entrepreneurship development programs.
4	○ ICT enabled Class rooms and Seminar Halls Enhancement in L facilities and Digital Library. Enhancement in Internet Bandwidth ○ Maintenance Committee to ensure well maintained campus and units.
5	○ Career Guidance, Guidance for Competitive examination and Skill training. Enhancement in Placement and Higher studies ○ Improvement in Alumni Engagement
6	○ Perspective plan for 2017-22 . ○ Automation in academic administration, finance, student sup and examinations. ○ Faculty welfare measures

7	○ Green Campus, Innovative Best Practices

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://gecgudlavalleru.ac.in/academic_audit
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gudlavalleru Engineering College initiated good number of measures for Gender Equity. GEC approximately has 35% of female staff and 42%female students. Women faculties are also provided with an opportunity to lead the departments as heads of the department and are given coordinator ship for several activities. Female students are encouraged to take part in all activities and to lead co-curricular and extracurricular activities. Students of the institution used to be sensitized on Gender - Equity through webinars, seminars and counseling and guidance sessions. The

Institute celebrates "Women's" Day annually and motivates all the staff to organize discussions for understanding the role of women towards a progressive society. Female students are motivated and supported for various academic and non-academic activities.

Safety and Security: Adequate safety and security measures are in place.

1.   The institute is secured by dedicated security guards for each departments and every important location within the institute premises.

2.   There is a security control room which manages the surveillance with the help of 181 CCTV cameras, available at academic blocks, amenities block, all the junction points and open areas without compromising the privacy of female staff and the students.

3.   Reserved seats are provided to female staff /students in all institute transport.

4.   Important suggestions and urgent grievances can be directly reported to the authority concerned through online.

The ICC Cell promotes gender amity, upholding the right to protect against Sexual harassment in the workplace. ICC Cell seeks help from the police department and local judiciary to create awareness about "She Laws" & law protection to women.

Counseling: A professional Counselor is extending counseling & Mental Wellness services to GEC students. Psychological problems, family counseling, maladjustment, deviations, interpersonal relationship, stress- related problems are dealt with. How to promote mental health, the significance of yoga and meditation, effective ways to memorize, healthy habits and positive thinking and trends in the lifestyle etc. are addressed.

Common Room:

1.   A Dispensary with a part time doctor and certified nurse is available with first aid facility in case of any illness.

2. A gymnasium exclusively for female students is provided in Amenities Block.

3.   Waiting halls with adequate facilities are provided in the college for students. Group counseling and personalized counseling

sessions were organized continuously by female psychologists. Sanitary napkins are made available to them in waiting halls.

Space is clearly earmarked in canteen for girl students. One female student is nominated as member of IQAC and the lady alumina were nominated as members of Governing Body twice. Best lady student and Best Sportswoman awards were constituted. Further, female students can compete for "overall best out going student award. Females are representing female students in class Monitoring Committee.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid Waste Management: The collecting, treating, and disposing of solid materials that is discarded because it has served its purpose or is no longer useful.Improper disposal of solid waste can create unsanitary conditions, and these conditions in turn can lead to pollution of the environment and to out breaks of vector borne diseases. The tasks of solid waste management present complex challenges. They also pose a wide variety of administrative, economic and social problems that must be managed and solved.

In our campus various wastes are collected and segregated in methodically at the source level. Two types of wastes are collected (1) Dry waste and (2) Wet waste.Wet waste includes organic waste (i.e. Kitchen waste, vegetable waste, fruits, flowers, leaves from the garden and paper). Organic waste are collected, segregated and

then transferred to compost pits. The output is later used as manure in the garden area.

Dry waste can be further segregated and shifted to scrap yard in to recyclable waste like plastics, glass, paper, metal, paints, chemicals etc. and inert waste like debris etc. are used for land filling.

The stored solid waste will be disposed to authorized agencies which are approved by the Pollution Control Board for recycling purpose at regular intervals.

Liquid Waste Management: Water conservation is important because fresh clean water is limited resource, as well as a costly one. Conservation of this natural resource is critical for the environment.

Keeping the above in view our campus surface rain water is collected in a separate pond which is located near the medical center. The pond water is used for horticultural works, cleaning of important areas by pumping system.

College has provided sprinkler system for watering the plants & entire garden to minimize water wastage. Regular domestic waste water is connected to local authorized field drains.

Several conservation steps like closing of taps after usage maintenance and monitoring of values in supply system to avoid overflow, leakages and spillage. Conducting water conservation awareness programme for new students. Sewage waste water in collected in a closed septic tank.

E-Waste Management: The institution generates 'e' waste like computers, key boards, mouse, scanners, fax machines, CD's, pen drives, calculators, cables, burnt tube lights, circuit boards, burnt electrical motors and other digital equipment like cameras etc. Institution follows two methods of disposing e-waste (1) Collection of 'e' waste through bins and storing the e-wastegenerated inprescribed room called as e-wasteroom. The college provides proper awareness to the students and staff by organizing session on e-waste hazards and sale disposal practices. The college also at times organizes campaigns to create awareness in local community on e-waste disposal, collects 'e' waste from neighborhood and arranges for safe disposal.

Electronics waste are of Category-1 waste like computers, and

computer peripherals, Category-2 Cartridges, printers, printed boards etc, Category-3 Electrical Tube lights, electrical cut pipes and Category-4 Burnt electrical motors, transformers etc. The above four categories of electronic waste should be disposed to authorized e-waste agency which is approved by pollution control board for recycling purpose.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions/awards**
5. **Beyond the campus environmental promotional activities**

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of

A. Any 4 or all of the above

reading materials, screen reading, etc.

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The institution provides an eco- system and enabling environment for the co-existence of the people coming from different culture, region, linguistic and other socio economic diversities.

The institution has made efforts to provide an inclusive atmosphere that encourages peace, tolerance and harmony among students and faculty. By virtue of the admission process, students across the all districts of the state and cross sections take admissions based on the merit as per the state council guidelines apart from few from other states. Once a student gets admitted he/she will be provided equally with all the resources for bringing harmony and nurture for the holistic development. In order to ensure holistic development of students and staff, the institution encourages them to involve in community services to develop good citizenship. The institution is increasingly involved in conducting the outreach programs for the welfare of the society and to create awareness among students towards social issues

The staff and students belong to different communities like Hindus, Muslims, Christians etc. being their mother tongues different like Tamil, Telugu, Bengali, Hindi etc. the institution has a very effective approach to maintain tolerance and harmony even though they belong to different communities and with different culture by organizing the events which bring the harmony and integrity among the students. Yoga, guided meditation sessions, seminars on human values are organized every semester to create coherent environment and respect for individual. To promote cultural and regional heritage with diversity GEC arranges cultural programmes by people of eminence in several fields. GECFEST is the annual festival

conducted every year where students are exposed to various dance forms, different instrumental music and poetry.

Transparent governance with clearly laid own procedures and Practices is paving ways for the inclusive environment in the College. Faculty working in the college, who belong to various parts of the country and different religions, are the indicators of the inclusive environment. Students will be guided, motivated and groomed independent of their region, religion etc. Every student will have equal opportunity to be part of the co-curricular and extra-curricular activities and taking leadership in the events organized in the college.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The employees and students of the institution are provided with awareness on constitutional provisions by conducting seminars and workshops by Advocates, Judges periodically. During the Induction Programme, Sessions were conducted on constitution. One course is designed on values, rights, duties and responsibilities of citizens and offered in the curriculum as a credit course.

Good number of NSS activities is conducted for sensitizing the public on social issues, inculcating the habit of social service among students. Students and staff used to extend financial help to the affected people in case of natural calamities.

Students are given encouragement and support to develop and provide technical solutions to local entrepreneurs under Unnat Bharath Abbhian, students developed tools and solutions to support local Aqua formers, Poultry formers and Weavers in enhancing productivity of their concerns. Students are conducting Blood Donation Camps, Digital literacy Programmes.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**A. All of the above**

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Following days are observed at GEC

26th Jan Republic Day (India)

8th March International Women's Day 2st June International Yoga Day

15th Aug India's Independence Day

5th Sep Teachers Day

15th Sep Engineers Day

Republic day

The Constitution was adopted by the Indian Constituent Assembly on 26 November 1949 and came into effect on 26 January 1950 with a democratic government system, completing the country's transition towards becoming an independent republic. GEC celebrates republic day by hoisting flag and recollecting the sacrifices made by the freedom fighters.

International women's day

International Women's Day is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. Every year on March 8th women's is celebrated at GEC to dispel the notion that they are inferior to men and to promote the gender equity.

15th Aug India's Independence Day

Independence is celebrated every year to commemorate the sacrifices made by the freedom fighter who liberated India from the clutches of British rule. Principal presides over the function and enlightens the staff and students to preserve the fighting spirit of those great leaders for noble cause.

Teachers Day

Teachers day is celebrated every year at GEC to reinforce the feeling of immense satisfaction for being a teacher, as a teacher is the light of the world, the beacon in the dark and the hope that gives strength to students.

Engineers Day is Celebrated at GEC on September 15 every year to remember birthday of ancient engineer Visvesvaraya... Engineers day is dedicated to all the engineers who strived to make the lives of people in a better way. On that day every department conducts model exhibitions, poster presentations, technocal quizzes and arranges guest lectures.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice – I

1. Title of the Practice: Enhancing the Employability Skills and Placements of Graduates

2.   Objectives of the Practice:

- **To conduct pre-placement training on Aptitude, Verbal, Reasoning, etc. for improving the success rate in tests conducted by recruiting companies.**
- **To develop programming skills, soft skills, English communication skills and interpersonal skills for preparing the students to face interviews and secure placements.**
- **To provide hands-on-experience on latest software tools to make the students industry ready.**
- **To conduct workshops on emerging areas for exposing the students to latest developments in the field of engineering and technology.**
- **To train the students in the industry and encourage them to work on industry oriented projects.**

3. The Context:

English communication is one of the main problems faced by the students as most of the students have vernacular back ground as they hail from villages. Further, some of them do not have required orientation towards engineering education because of their family background. Students are not aware of the skills required for employability. To overcome all these problems, students required to undergo regular training on soft skills, communication skills, interpersonal skills, etc. right from the first year.

Ever changing technological advancements in engineering and technology necessitate students to expose them to latest software tools and gain knowledge on latest developments in the subject areas. Further, exposure to the industry in the form of training makes the students to gain knowledge on industry requirements and practices.

- Conducting pre-placement training classes on Aptitude, Verbal, Reasoning, etc. regularly on week days, six hours a week in pre-final and final year by internal and external professional trainers drawn from premier training institutes like Focus Academy for Career Enhancement, COIGN, Seventh Sense Talent Solutions, etc. Special slots are provided in the regular class time table for conducting pre-placement training classes. The topics covered in this course enable the students to track the online-assessment tests conducted by various companies for campus recruitment process. It also helps the students to face competitive examinations like GRE/ GMAT/ CAT.
- Conducting classes on English communication at first and second year level by the faculty of English department. Besides, Infosys Campus Connect soft skills program is conducted for about 150 students every year for second year students of B.Tech program.
- Conducting personality development programs regularly to develop soft skills and interpersonal skill. Mock interviews by industry experts are conducted to instill confidence among the students by providing necessary inputs to face the interviews.
- Enhancing programming skills by conducting special classes and arranging training by industry experts during weekends. Infosys Campus Connect foundation program provides the opportunity to students to strengthen their knowledge on computer foundation courses and develop programming skills.
- Providing hands-on-training on latest software tools such as MAT Lab, ANSYS, STAAD Pro, Mentor Graphic Tools, etc. in pre-final and final year by the industry experts.
- Organizing workshops on emerging technologies such as Big Data Analytics, Cloud Computing, Internet of Things, etc. from second year onwards by eminent academicians and industry experts.

5. Evidence of Success:

This process has helped in

- improving soft skills, programming skills, etc. of the students tremendously which has resulted in gradual increase in number of placements.
- providing hands-on-experience to the students on latest software tools which has made them industry ready.
- exposing the students to latest technologies so that they can choose a particular field and work on the related technology and secure suitable employment.

The outcome of the above practices in terms of placements is given below:

About 35% of students have been placed in IT Industries.

About 17% of students have been placed in core industry.

About 6% of students have been placed in allied areas.

6. Problems Encountered and Resources Required

- Developing professionalism and right attitude among all the students is a major challenging task to the college as some of the students are not serious in their studies.
- Conducting various training programs, personality development programs and workshops on emerging technologies requires huge funding.
- Arranging internships in the industry to all the students is a challenging task to the administration.
- Since about 50% of the students lack in English communication at entry level, college needs to recruit more number of English faculty and professional trainers to conduct special classes on English communication.

Best Practice II:

1. Title of the Practice: Go Green Campus Goal

2. Objectives of the Practice:

- To conserve water in a judicious manner
- To conserve the energy
- To adopt better ways of managing waste
- To improve the aesthetics of the campus by landscaping and planting trees

- To deploy eco-friendly technologies for greening and cleaning our campus.

3. The Context

Green campus initiatives are becoming integral part of the modern-day education system and the institutions can act as pioneers in promoting these principles within society. Our college has initiated the green campus program in order to support a sustainable and climate-friendly environment. The main objectives for these initiatives were environmental awareness and education, the use of sustainable energy and energy efficient measures, management of different types of waste and green landscaping in the campus.

4. The Practice

Energy Conservation

- The Internal stakeholders take all measures to save the power.
- More than 60% lighting requirements are met through LED sources and efforts are under progress to improve it further

Use of Renewable Energy: Solar power generating system of 350 KVA is provided on the roof top of the academic buildings. With the installation of this system 30 to 40% of the total electricity requirement is met.

Water Harvesting: Water conservation is the practice of using water efficiently to reduce unnecessary water usage. According to reports, water conservation is important because fresh clean water is a limited resource, as well as a costly one. Conservation of this natural resource is critical for the environment. The goals of water conservation efforts include: Ensuring availability of water for future generations where the withdrawal ofü freshwater from an ecosystem does not exceed its natural replacement rate. Energy conservation as water pumping, delivery and wastewater treatment facilities consume a significant amount of energy. According to recent researches 15% of total electricity consumption is devoted to water management. Habitat conservation where minimizing human water use helps to preserveü freshwater habitats for local wildlife and migrating waterfowl, but also water quality. Rainwater Harvesting Water is the most important yet neglected resource. The reason is being very low cost. But over period of years, water is gaining its importance. Entire country is facing a tremendous stress due to water scarcity. Irregular rainfall, depleting ground water table, inefficient usage and leakages etc are all forcing people to adopt

water management activities. GEC has always paid special care and attention towards water consumption in their buildings. To tackle the issue at source, rain water harvesting systems have implemented across the campus to conserve, capture and aid effective aquifer recharge.

The campus has the potential to capture 762 cu.m volume of run-off water. To ensure effective capture and aquifer recharge, there are 4 rainwater harvesting pits in the campus. These rain water harvesting pits have dimensions of 4x4x9 feet and are located at suitable places in the campus. These pits cater to each of the buildings onsite and the runoff is directed to the pit through pipelines and storm drains. The water from the rooftop of the engineering sheds is collected via gutters provided and is diverted into a storage tank near the new academic block. The water collected is used for plantation purposes at a later stage. The pits are regularly maintained by backwashing and replacing the layers of sand and gravel materials

Domestic Water Consumption: The Campus' water requirements are met by bore well & through municipal water line. Bore well water consumption of the facility is around 25KL per day. The water consumption is proposed for reduction by introduction of low flow water fixtures. The initiative has a potential to save around 20-35% of the domestic waster requirements. The management is also considering low cost yet effective measures such as flush bob adjustments in the flush tanks & installation of flow restrictors/aerators for the taps to further reduce potable water dependency. Two streams of wastewater are generated in the campus: grey water and black water. Grey water is wastewater from non-toilet plumbing fixtures such as showers, basins and taps. Black water is water that has been mixed with waste from the toilet. Owing to the potential of contamination by pathogens and grease, water from kitchens and dishwashers should be excluded from grey water and considered as black water. The disposal of above waters is down through naturally available sewer drains.

Efforts for Carbon Neutrality: By conserving and reusing energy the need for excessive use of fossil fuels can greatly reduce, thus reducing carbon emissions. Installing solar panels helps in reducing carbon emissions. The installation of 350 KVA solar power system has saved the amount of carbon dioxide released into the air. Thus the emission of carbon dioxide is well controlled with these efforts in the institute to achieve carbon neutrality.

Plantation: Every year students along with the garden staff plant

trees. Plantation Drives are organized by NSS. Due to this program over the years the campus has become lush and green.

E-waste management

- E-waste generated is first reused in the campus itself and replaced with buy back policy.
- Apart from the above following activities are promoted to ensure green campus:

  - Sensor based Environmental monitoring system prepared by students
  - Sensor based Automatic Street light:
  - Beyond the campus environmental promotional activities by NSS wing
  - Green, Environment and Energy Audits.

5. Evidence of Success:

  - Installation of solar energy panels and use of LED bulbs has reduced electricity bill.
  - Aesthetics of the campus has been improved
  - Rain water harvesting resulted in better use of natural resource
  - Waste management resulted in clean campus

6. Problems Encountered and Resources Required

The main problem encountered in the Green campus initiative is development and maintenance of proper infrastructure for the green practices. The Green campus program should be considered as a necessity in every institution and separate funds should be allotted for this. Implementation of the green practices needs series of awareness programs to educate more people and train them for it. Going green not only needs investment in terms of money but also a strong will from all the stakeholders.

File Description	Documents
Best practices in the Institutional website	https://gecgudlavalleru.ac.in/Best_Practices
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

- Institution's vision is to become a leader by primarily focusing on creating challenging learning environment. In the process of creating competitive learning environment, college established Skill centers, Innovation centers, Professional societies, and clubs.
- College conducts internal Hackthans, organizes Smart India Hackathans. College adopted five villages under Unnath Bharat Abhiyan 2.0 to study and solve the problems prevailing in those villages. Participation of students in these shapes them as professional.
- APSSDC CM Skill Excellence Center (CMSEC) comprising of Programming Lab, Dassault Systems 3D Experience Lab and ARC Labs "Indo-Euorpean Skilling Centers for Mechatronics and Industrial Robotics", WEL centre are the various skills centers. Innovation & Startup club, Coding club, Technology Transfer club are the various student lead clubs in addition to branch-wise students associations are functioning effectively under the guidance of faculty.
- The Green club, Music & Photography club, Cultural club, Literary & Dramatic club, and Debate club are contributing to the active student interactions.
- The students of the college short listed and participated in Gokart competitions, participated in National level Hackathon competitions.
- 30 students (5 groups) participated in Smart India Hackathons 2019 & 2020 and presented projects on "An e-Portal for Textile Marketing", "Technological advances for Retail Outlets", and "Utilization of Airport facilities and utilities using IoT" under software category and "Silence Box", "Video Conference eye to eye – Mobile App" under hardware category.
- 4 students participated in AICTE – Chhatra Vishwakarma Awards 2019 finale and presented project on "Unmanned aquaculture monitoring system for better yield and profit".
- AICTE awarded Certificate of Participation under the AICTE's National Level Utkrisht Sansthan Vishwakarma Award 2019 for their participation and showing growth and development of adopted village.
- Outcome Based Curriculum- Curriculum with mandatory courses for knowledge, skill and behavioral domain. Compulsory Internship, NSS, Mini Project and Project.
- Learn with Fun- Clubs, Professional Societies, Center of Excellence Labs, Extra Curricular Activities.
- Perfect Practice:

(i) Established procedures,
(ii) Transparency,
(iii) Participating Management

- Foresightedness –
    (i) Sponsoring Faculty to higher education with pay,
    (ii) Establishing CDCS Prior to the initiative of University etc.

  - Earmarking and maintaining funds for future demands.

  - Rich Learning experience to students for overall development (all round).
  - Motivation and support for academic advancement and retention.
  - Well planned Budget allocation and sanction.
  - Effective grant of autonomy through decentralization.
  - Specific initiatives for Faculty empowerment.
  - Alumni on the Board of Governing Body.
  - Excellence: NBA Accreditation more than 50% UG Program, UGC Autonomous status extended up to 2024-25.
  - Adaptive: During Covid Pandemic Transition of Academic and Administrative activities from offline to online mode through Microsoft Teams, Google platform, Zoom.

(i)   Empowering Communities- NSS activities.

(ii) Respecting Nature- Go Green Campus.

  - Formulating Policies and procedures for every aspect of functioning of the college and governance of the institution in line with the laid down guidelines is the philosophy of GEC. Creating awareness among.

Faculty, students and all the stakeholders about the governing mechanisms and keeping all the data accessible for the stakeholders is the indicator of transparency in functioning the college. The administrative manual in the name of "Quality Document", comprises of all the minute details on the governance of the college is the distinctive feature of this institution.
Every Teaching and non-teaching staff member is having the possibility to give his/her voice on the matters concerned in the appropriate platform. College Management Committee having the member representatives from Faculty and Management thoroughly discussed all the academic, administrative including financial aspects and resolves the issues keeping in view of the opinions of all the members.

College earmarked 6% of income as reserve fund in the beginning and later made it as 2% as contingency fund to meet the demands a

File Description	Documents
Appropriate link in the institutional website	https://gecgudlavalleru.ac.in/Institutional_Distinctiveness
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

- **To encourage full-time research scholars to pursue their research work through the Research Centres of the Institution.**
- **To strengthen R&D activities leading to submission of proposals for funded research projects and enhancement of consultancy.**
- **To enhance sports facilities.**
- **To enhance IT infrastructure.**
- **To Improve ICT facilities for Teaching - Learning (Digital Boards), etc.**