



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution	
	SESHADRI RAO 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/1646452894_AQAR%202020-21.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
Cycle 2	B++	2.91	2021	28/09/2021	27/09/2026
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	01/07/2021	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	4				

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
Engaging Alumni as adjunct faculty		
Motivating Alumni for supporting student training programmes		
Training faculty in emerging areas		
Promoting innovation and incubation facility to students and faculty		
Encouraging faculty to file patents		
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 enhance publications and patents	Forty nine percent improvement in journal publications and more than three hundred percent improvement in conference presentations. Twelve patents have been published.
To create an eco system for innovation and incubation	Innovation and Incubation Center (IIC) was established and received three star rating by MoEs Innovation Cell, Ministry of Education , Government of India.
To conduct skill development programmes as part of curriculum	Following skill oriented courses have been conducted: <ul style="list-style-type: none"> • Hands on training in Revit architecture for civil engineering students • Simulation of electrical engineering systems using MATLAB • Automation of electrical systems using IoT • Computer Aided Electrical Drawing using PregeCAD for EEE students • Hands on training in Solid works, ANSYS and CATIA for Mechanical engineering students. • Digital System Design using Verilog • Programming with Python for ECE students • Game programming and MEANSTACK technologies using XAMPP for CSE students. • Python programming and ARM programming for IoT, for IoT students • Advanced certification programme on Robotics and mechatronics for mechanical, EEE and ECE students. • Programming for corporate • Logic building and basic coding principles • Problem solving enhancement • Linguistic competency building
To enhance faculty competency in	Faculty members have undergone

emerging areas	<p>training in following technologies and area and enhanced their competency:</p> <ul style="list-style-type: none"> • Intelligent Control Techniques For Electrical Systems • Modeling and Simulation of Electrical Systems • Recent Trends in Thermal Engineering • Emerging trends in Mechanical Engineering • Millimeter Wave Frequencies • Embedded Systems and IoT • Robotics Process Automation • Deep Learning for Real Time Research Applications • GAME Programming Using 3D With C • Full stack Application Development • Issues and Challenges in Business Management
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13. Was the AQAR placed before the statutory body?	Yes
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<ul style="list-style-type: none"> • Name of the statutory body
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Name of the statutory body	Date of meeting(s)
Academic Council	22/11/2022

14. Was the institutional data submitted to AISHE ?	Yes
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<ul style="list-style-type: none"> • Year
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Year	Date of Submission
2021-22	29/12/2022

15. Multidisciplinary / interdisciplinary
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We at SRGEC designed the curriculum in such a way that students can draw knowledge from several disciplines to solve problems whose solutions are beyond the scope of a single discipline. This approach has been realized by offering open electives from second year

onwards. Each branch of engineering offers two open electives, which can be chosen by the students based on their interest. For example a Mechanical engineering student may want to study digital logic, microprocessors and embedded systems so that he can design systems like robots and computer numerical control machine tools. These systems demand people from different disciplines. Similarly, to quench the knowledge thirst of ever enthusiastic students, minors are being offered, which make them to explore and study the subjects of other discipline. This provision makes them to be proficient in multidisciplinary aspects. A civil engineering student may want to acquire knowledge in database management systems, data structures and object oriented programming. The student is at liberty to opt for computer science subjects from second year onwards in a progressive manner, leading to a minor degree in computer science apart from choosing branch at the time of entry into the college.

16.Academic bank of credits (ABC):

The institution has registered with the Academic Bank of Credits and awaiting approval from the authorities.

17.Skill development:

The very purpose of skill development is to make the students more employable. It is important to understand that knowledge doesn't guarantee skill, but the practice does. Theory knowledge can give an imaginative structure, but only practical knowledge can give a real exposure. We at SRGEC impart the skills at three levels. Following are the skill development programs have been conducted as curricular and co-curricular activities

1. Domain-related skill development Programmes:

- Hands-on training in Revit architecture for civil engineering students
- Simulation of electrical engineering systems using MATLAB
- Automation of electrical systems using IoT
- Computer Aided Electrical Drawing using PregeCAD for EEE students
- Hands-on training in Solid works, ANSYS and CATIA for Mechanical engineering students.
- Digital System Design using Verilog
- Programming with Python for ECE students
- Game programming and MEAN STACK technologies using XAMPP for CSE students.
- Python programming and ARM programming for IoT, for IoT students

- Advanced certification programme on Robotics and Mechatronics for mechanical, EEE and ECE students.

1. Placement-related skill Development Programmes:

- (i) Programming for corporate
- (ii) Logic building and basic coding principles
- (iii) Problem-solving enhancement
- (vi) Linguistic competency building

1. Communication skills

Both oral and written communication skills are imparted to the students with the help of ELCS laboratory and practice sessions

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

One of the important traits of an engineer is able to work in a team for which he needs to have an open mind, attitude of equanimity, amicable nature. To drive such concepts into young minds, we need to have a knowledge system which ensures right understanding and clarity of living in harmony at all levels of human existence. Many cultures and civilizations over millennia have tried to evolve such knowledge systems. The Indian culture and civilization is one such example. Today, the problem is that one culture tends to be opposed to other cultures. This is because their basic assumptions and therefore thoughts are different. Even though there are commonalities at the core, the conflict is at the level of expression and details.

With this situation, it is imperative to

- Articulate the truth, love and compassion at the core
- Appreciate the various ways to materialize this truth, love and compassion and, different approaches to communicate this truth, love and compassion to others.

Keeping these objectives in view, a subject called Universal Human Values has been introduced. Apart from introducing this subject, through guest lectures, personality development programmes, emphasis

is given on the ethical behavior necessary to become a responsible citizen.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome based education is an educational process, that involve assessment and evaluation practices that reflect the attainment of certain specified outcomes or attributes in terms of individual student learning. Once the key attributes or outcomes which are to be acquired by the students are decided, the course structures and curricula are designed to achieve those outcomes. SRGEC has been implementing OBE scrupulously since 2014, the year in which autonomous status has been conferred. Keeping the vision, mission of the college and departments as well, Programmes Specific Outcomes (PSO)s are formulated. While evolving PSOs, feedback from stakeholders are considered. Once PSOs are finalized by the programme committee, course structure will be decided. After taking approval of the Academic Council, syllabi and Course Outcomes are decided by the members of the Board of studies. Rubrics are formulated for theory and laboratory courses regarding assessment of COs. At the end of each semester COs are evaluated and attainment levels are determined. Target values for each course outcome in turn for each subject will be decided in the programme committee meetings. Attainment levels are compared with target values. Corrective measures to be taken will be requested from the respective faculty members, wherever attainment levels are poor. This process continues every semester.

20.Distance education/online education:

At present, online education is confined to expert lectures from eminent academicians from the premier institutions or Industry people and by the faculty to conduct special classes. Faculty members are making use of the Microsoft team's platform to teach online. Current curriculum has made one online course mandatory. Students are supposed to register one MOOC course as a part of their programme. Many students have registered in SWAYAM NPTEL platform to fulfill the requirement. Apart from this faculty members are attending online Faculty Development Programmes to enhance their knowledge. The institution is encouraging the students to register the online courses voluntarily by sponsoring registration fee.

Extended Profile

1.Programme

1.1

15

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5580

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1202

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 9835

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 898

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 314

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 15

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 5580

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1202

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 9835

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 898

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	314
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	314
Number of sanctioned posts for the year:	
4.Institution	
4.1	1032
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	93
Total number of Classrooms and Seminar halls	
4.3	1398
Total number of computers on campus for academic purposes	
4.4	1361.40
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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 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's 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 Analytics

Big Data Initiative

- Cyber Security
- Cyber laws

National Cyber Security Policy

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

15

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

345

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

45

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

15

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.

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

13

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

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

1255

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

2564

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://aqar.gecgudlavalleru.ac.in/aqar/AO_AR_Files/C-I/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://aqar.gecgudlavalleru.ac.in/aqar/AO_AR_Files/C-I/1.4.2_Feedback_Analysis.pdf
Any additional information	No File Uploaded

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

1262

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)

1092

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.

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
01/07/2022	5580	294

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:

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.

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

294

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.

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

294

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

77

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)

294

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

15

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

879

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

The college keeps its examination system open for modifications and thus strengthens it from time to time, ensuring the system fool proof and address the grievances of students, if any. The institutional reforms in all the activities of the examination system are kept at par with the reforms pushed by the AICTE for various engineering disciplines. The drivers for reforms in examination system of Indian engineering education taken up by the premier technical institutions have been incorporated into our examination system and they include OBE- frame work for assessment process, evaluation of higher order abilities and professional skills in different forms like open elective courses, optional elective courses, internship experience and project works, Bloom's taxonomy for assessment design etc.

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.

File Description	Documents
Upload any additional information	View File
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.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
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

1192

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/AOAR/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 ideaThey 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). Improvement of research facilities has led to the recognition of research centers by the affiliating university JNTUK, KAKINADA.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
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)

3.20

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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

2

File Description	Documents
e-copies of the award letters of the teachers	View File
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)

9.56

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	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
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

47

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

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.

SRGEC 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.

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

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 ChhatraViswakarma 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.

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

6

File Description	Documents
Report of the events	View File
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	View File

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

6

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

287

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

125

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

862

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
Bibliometrics 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)

3.35

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

3.63

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	View File
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. 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, VanamManam (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.. 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	Nil

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

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
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)

13

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

3678

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

8

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

7

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
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. 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, and Dedicated Research laboratories for all departments Workshops

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. Digital library is an additional advantage for the institute. Central lecture theatre with audio and video facilities can accommodate three fifty students at once.. Dedicated Internet facility with 360Mbps.

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://gecgudlavaluru.ac.in/facilities

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

100

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)

794.22

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: A. Any 4 or more of the above e-journals e-ShodhSindhu Shodhganga 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)

19.07

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

525

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

SRGEC 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 300mbps from 64 mbps, from City Online, and BSNL. The entire college campus covered with 131 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. 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.

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

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

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	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5580	1398

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. 750 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	Nil
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)

550.12

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

Routine Maintenance:

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

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.

Preventive Maintenance:

Painting, Air Conditioning, CCTV, Water testing ,Water Tanks / Septic Tanks,Pest Control will monitored regularly.

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.

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	Nil

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

3337

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

15

File Description	Documents
Upload any additional information	View File
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

A. All of the above

File Description	Documents
Link to Institutional website	https://aqar.gecgudlavalleru.ac.in/aqar/AOAR_Files/5.1.3.pdf
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

688

File Description	Documents
Any additional information	View File
Number of students benefitted 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

1415

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

23

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

60

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

9

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

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.

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.

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

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

17

File Description	Documents
Report of the event	View File
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 GudlavalleruEngineeringCollege was started in the year2003. GEC Alumniassociation organizes various technical seminars / guest lectures, motivates and guides students for their academic improvement.

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

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.

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

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 A. ? 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

The college is governed by well defined Quality Document. The Management, Principal and 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, comprising of faculty representatives and Management representatives to discusses the proposals of College Academic Committee to reform strategies and plans to upkeep the quality of education in the campus. 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 functioning of the college is very much transparent. This kind of administrative mechanisms are becoming effective tools to realize Vision and Mission of the institution.

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

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 every individual find place at its appropriate platform, which paves way to participative Management and individuals can take decisions on the matters concerned to them. These provisions of governance is leading to effective leadership.

The budget allotment will be done based on budget proposals. Lab technician propose the pre-requisites to Faculty In-charge and he will send their requirement to HOD. The principal will consolidate all the budget proposals and presents in CMC. The Head of the Department is delegated with a financial power of Rs. 25,000/- and Principal is delegated with a financial power of Rs. 2,00,000/- per semester.

Management:

- Designing Quality Policy
- Provide Budget
- Recruitment
- Provide support to economical backward students

Principal:

- o Quality policy- Planning, deployment and monitoring
- o Periodic meetings with faculty and non-teaching staff once in Semester
- o Administration of teaching and learning

Decentralized

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

Participative

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

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

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-Principals and IQAC have started planning various activities of the Institution. The guidelines and expectations from the AICTE, JNTUK Kakinada, Industries and Societies have been taken into account as a base for the strategic perspective plan for the next five years.

Key Focus Area

Recommendation / Plan

Administrative and Organizational Structure

An efficient and lean Organizational setup at the Campus

Establishing a paperless e-Office for efficient, responsive and accountable administration

Quality Improvement

NBA accreditation for all Eligible Programs,

Feedback from all stake-holders, Training of Teachers in emerging areas

Exams & Assessments

Continuous Assessment for all Courses. Digital Evaluation of Answer-books,

Research & Development, Innovation

Development of Centers of Excellence in specified areas, Advanced Research facilities,

Industry Relations

Two way Industry Interactions such as Staff Development,

Joint Technology and Product Developments, Technology transfer

Information & Communications

Development of Information Management System,

Online resources and e-services to all Stake holders,

Online admissions, registrations, and conducting examinations

Infrastructure Developments

Solar power generation,

Water purification plants and Waste Disposal plants, medical facilities for residents, sports recreational facilities

Skill Development

Development of skills in graduates in specified areas, Training of uneducated youth and local population.

Alumni Relations

Networking with past students, developing local 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.

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

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-Learning process and other areas.

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.

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.

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

List of Welfare Measures:

EPF,

Group Insurance Gratuity kind of Payment

Transport facility on concessional prices

Free medical consultancy and hospitalization for common ailments provided through College Medical Centre.

Sponsoring to higher education:

Incentive for pursuing Ph.D. programme

An amount of Rs.25,000/- will be presented to the faculty obtained Ph.D degree. In addition to that, an amount of Rs.10,000/- per month will be paid for the period between the date of submission of thesis and date of the award of the degree.

Incentives for acquiring Ph.D. degree during service

Sponsoring for National//International paper presentations, continuing education programmes, conferences

Academic Leave:

Earned Leave (E.L):

Maternity leave: 60 days for two times in career.

Medical leave.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://gecgudlavalley.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

31

File Description	Documents
Upload any additional information	No File Uploaded
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

15

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

264

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

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,

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 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.

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.

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

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	No File Uploaded
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. Before the commencement of the financial year, budget proposal is collected from all

departments..

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. 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 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.

- 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

IQAC cell is enriching faculty expertise by encouraging them to attend NPTEL courses and participate in subject expert programme. Newlyrecruited faculty will undergo guide-mentee programme, senior faculty will guide him regarding preparation of lecture material, delivery of the content and preparation of questions. ELT center of GEC will impart training to refine the communication skills of faculty.

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

Curriculum Level and Co-curricular level

Review of

- o Syllabus coverage
- o Student feedback
- o Mini projects, Projects and internships
- o Attainment of COs, POs and PSOs
- o SDPs
- o Industrial visits
- o Student participation in paper contests, model making
- o FDPs
- o MOOC certifications by faculty and students

Criteria

Initiatives implemented

1

- Autonomous -OBE Curriculum for holistic education. APSSDC - Center of Excellence for certification courses. Compulsory Internship.
- Value Added courses and NPTEL Chapter with Score A.

2

- LMS and Lecture Capturing system to integrate ICT 9 Clubs and Professional student chapter ACE,CSI,IEEE,IE,SAE, ISTE. NPTEL Active chapter, IITB Remote Center.
- Reformation in Assessment process as per AICTE, UGC,NAAC and NBA. NBA Accreditation of UG - IT,ECE,EEE,ME

3

- Seed money, Incubation Centre and consultancy, Centre of Excellence Labs
- Enhancement in Publications in reputed journals.
- Invited talks and entrepreneurship development programs.

4

- ICT enabled Class rooms and Seminar Halls Enhancement in Library facilities and Digital Library.

5

- Career Guidance and Soft Skill training. Enhancement in Placement and Higher studies
- Improvement in Alumni Engagement

6

- Automation in academic administration, finance, student support, and examinations.

7

- Green Campus, Innovative Best Practices

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

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. 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.

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

The ICC Cell promotes gender amity, upholding the right to protect against Sexual harassment in the workplace.

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.

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.

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, Liquid Waste Management, Biomedical Waste Management, E-Waste Management

Waste recycling system

Hazardous Chemicals and Radioactive Waste Management

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. 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.

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.

E-Waste Management: The institution generates 'e' waste like computers, key boards, etc. Institution follows two methods of disposing e-waste (1) Collection of 'e' waste through bins and storing the e-waste generated in prescribed room called as e-wasteroom.

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: A. Any 4 or All of the above

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

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:

A. Any 4 or all of the above

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

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 reading materials, screen reading, etc.

A. Any 4 or all of the above

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.

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 staff and students belong to different communities and 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.. 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. 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 A. All of the above

staff Annual awareness programmes on the Code of Conduct are organized

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	View File
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.

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...

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:

2. Objectives:

To make the students industry ready by providing training in pre-placement activities, programming skills, communication skills, domain specific software tools.

3. The Context:

To cater the training needs of students from rural background and make them employable.

1.

Training classes on placement tests, communication, personality development, soft skills, interpersonal skills and latest software tools.

◦ 5. Evidence of Success:

Gradual increase in number of placements, and industry readiness.

6. Problems Encountered

Developing professionalism and right attitude among non serious students is a major challenging task to the college..

Best Practice II:

1. Title of the Practice: Green Campus

2. Objectives:

To conserve water and energy, adopt better ways of managing waste, improve the aesthetics of the campus, and deploy eco-friendly technologies

3. The Context

Green campus program in order to support a sustainable and eco-friendly environment.

4. The Practice

Energy Conservation, Use of Renewable Energy, Water Harvesting, Domestic Water Consumption, Efforts for Carbon Neutrality, Plantation and E-waste management

5. Evidence of Success:

Reduced electricity bill, better use of natural resources, clean and green campus

6. Problems Encountered

Going green needs investment and commitment 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 order to realize this goal, 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. Institution motivates the students to participate in extra curricular activities through various clubs. The College encourage students to participate in national level competitions like Go-cart, Chatra Viswakarma awards and many more such events. Outcome Based Curriculum is in vogue with mandatory courses for knowledge, skill and behavioral domain. Compulsory Internship, NSS, Mini Project and Project. Institution has foresightedness with respect to human resource planning and academic enrichment. 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. College earmarked 2% of income as contingency fund to meet the demands and necessities of the institution. Gudlavalleru Engineering College Festival (GECFEST) will be conducted annually which is a confluence of technical, sports and cultural events. This event offers a rich learning experience to the students which they cherish throughout their life.

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 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's 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 Analytics

Big Data Initiative

- Cyber Security
- Cyber laws

National Cyber Security Policy

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

15

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

345

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

45

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

15

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.

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

13

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

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

1255

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

2564

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://agar.gecgudlavalleru.ac.in/agar/AQAR_Files/C-I/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://agar.gecgudlavalleru.ac.in/agar/AQAR_Files/C-I/1.4.2_Feedback_Analysis.pdf
Any additional information	No File Uploaded

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

1262

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)

1092

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.

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
01/07/2022	5580	294

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:

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.

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

294

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 activities.
- 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.

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

294

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

77

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)

294

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

15

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

879

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

The college keeps its examination system open for modifications and thus strengthens it from time to time, ensuring the system fool proof and address the grievances of students, if any. The institutional reforms in all the activities of the examination system are kept at par with the reforms pushed by the AICTE for various engineering disciplines. The drivers for reforms in examination system of Indian engineering education taken up by the premier technical institutions have been incorporated into

our examination system and they include OBE- frame work for assessment process, evaluation of higher order abilities and professional skills in different forms like open elective courses, optional elective courses, internship experience and project works, Bloom's taxonomy for assessment design etc.

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.

File Description	Documents
Upload any additional information	View File
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.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
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

1192

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. 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). Improvement of research facilities has led to the recognition of research centers by the affiliating university JNTUK, KAKINADA.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
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)

3.20

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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

2

File Description	Documents
e-copies of the award letters of the teachers	View File
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)

9.56

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	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
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

47

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

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.

SRGEC 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.

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

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 ChhatraViswakarma 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.

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

6

File Description	Documents
Report of the events	View File
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	View File

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

6

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

287

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

125

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**

862

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
Bibliometrics 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)

3.35

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

3.63

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	View File
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. 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, VanamManam (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.. 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	Nil

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

1

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
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)

13

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

3678

File Description	Documents
Reports of the events	View File
Any additional information	View File

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

8

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

7

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
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. 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, and Dedicated Research laboratories for all departments Workshops

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. Digital library is an additional advantage for the institute. Central lecture theatre with audio and video facilities can accommodate three fifty students at once.. Dedicated Internet facility with 360Mbps.

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/facilities

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

100

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)

794.22

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 Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

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)

19.07

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

525

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

SRGEC 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 300mbps from 64 mbps, from City Online, and BSNL. The entire college campus covered with 131 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. 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.

UnhealthymeansPorn, CrimeandSuicide, MilitancyandExtremist, PhishingandFraud, Weapons, etc.

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

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	Nil

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5580	1398

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. 750 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	Nil
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)

550.12

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

Routine Maintenance:

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

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.

Preventive Maintenance:

Painting, Air Conditioning, CCTV, Water testing ,Water Tanks / Septic Tanks, Pest Control will monitored regularly.

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.

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	Nil

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

3337

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

15

File Description	Documents
Upload any additional information	View File
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

A. All of the above

Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

File Description	Documents
Link to Institutional website	https://aqar.gecgudlavalleru.ac.in/aqar/AQAR_Files/5.1.3.pdf
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

688

File Description	Documents
Any additional information	View File
Number of students benefitted 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

1415

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded

5.2.2 - Number of outgoing students progressing to higher education

23

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

60

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

9

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

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.

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.

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

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

17

File Description	Documents
Report of the event	View File
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 GudlavalleruEngineeringCollege was started in the year2003. GEC Alumniassociation organizes various technical seminars / guest lectures, motivates and guides students for their academic improvement.

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. Theexpectationsoftheindustryfromanengineeringgraduateandhowa nengineershouldadaptto changing industry expectations.
3. The various career options available for engineers in the light of present economy and educational system.

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.

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 gecgudlallerualumni@gmail.com

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

5.4.2 - Alumni's financial contribution during the year

A. ? 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

The college is governed by well defined Quality Document. The Management, Principal and 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, comprising of faculty representatives and Management representatives to discusses the

proposals of College Academic Committee to reform strategies and plans to upkeep the quality of education in the campus. 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 functioning of the college is very much transparent. This kind of administrative mechanisms are becoming effective tools to realize Vision and Mission of the institution.

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

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 every individual find place at its appropriate platform, which paves way to participative Management and individuals can take decisions on the matters concerned to them. These provisions of governance is leading to effective leadership.

The budget allotment will be done based on budget proposals. Lab technician propose the pre-requisites to Faculty In-charge and he will send their requirement to HOD. The principal will consolidate all the budget proposals and presents in CMC. The Head of the Department is delegated with a financial power of Rs. 25,000/- and Principal is delegated with a financial power of Rs. 2,00,000/- per semester.

Management:

- Designing Quality Policy

- Provide Budget
- Recruitment
- Provide support to economical backward students

Principal:

- o Quality policy- Planning, deployment and monitoring
- o Periodic meetings with faculty and non-teaching staff once in Semester
- o Administration of teaching and learning

Decentralized

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

Participative

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

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

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-Principals and IQAC have started planning various activities of the Institution. The guidelines and expectations from the AICTE, JNTUK Kakinada, Industries and Societies have been taken into account as a base for the strategic perspective plan for the next five years.

Key Focus Area

Recommendation / Plan

Administrative and Organizational Structure

An efficient and lean Organizational setup at the Campus

Establishing a paperless e-Office for efficient, responsive and accountable administration

Quality Improvement

NBA accreditation for all Eligible Programs,

Feedback from all stake-holders, Training of Teachers in emerging areas

Exams & Assessments

Continuous Assessment for all Courses. Digital Evaluation of Answer-books,

Research & Development, Innovation

Development of Centers of Excellence in specified areas, Advanced Research facilities,

Industry Relations

Two way Industry Interactions such as Staff Development,

Joint Technology and Product Developments, Technology transfer

Information & Communications

Development of Information ManagementSystem,

Online resources and e-services to all Stake holders,

Online admissions, registrations, and conducting examinations

Infrastructure Developments

Solar power generation,

Water purification plants and Waste Disposal plants, medical facilities for residents, sports recreational facilities

Skill Development

Development of skills in graduates in specified areas, Training of uneducated youth and local population.

Alumni Relations

Networking with past students, developing local 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.

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

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-Learning process and other areas.

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.

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.

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

A. All of the above

areas of operation: Administration Finance and Accounts Student Admission and Support Examination

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

List of Welfare Measures:

EPF,

Group Insurance Gratuity kind of Payment

Transport facility on concessional prices

Free medical consultancy and hospitalization for common ailments provided through College Medical Centre.

Sponsoring to higher education:

Incentive for pursuing Ph.D. programme

An amount of Rs.25,000/- will be presented to the faculty obtained Ph.D degree. In addition to that, an amount of Rs.10,000/- per month will be paid for the period between the date of submission of thesis and date of the award of the degree.

Incentives for acquiring Ph.D. degree during service

Sponsoring for National//International paper presentations, continuing education programmes, conferences

Academic Leave:

Earned Leave (E.L):

Maternity leave: 60 days for two times in career.

Medical leave.

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

31

File Description	Documents
Upload any additional information	No File Uploaded
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

15

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

264

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

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,

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 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.

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.

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

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	No File Uploaded
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. Before the commencement of the financial year, budget proposal is

collected from all departments..

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. 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 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.

- 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

IQAC cell is enriching faculty expertise by encouraging them to attend NPTEL courses and participate in subject expert programme. Newlyrecruited faculty will undergo guide-mentee programme, senior faculty will guide him regarding preparation of lecture material, delivery of the content and preparation of questions. ELT center of GEC will impart training to refine the communication skills of faculty.

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

Curriculum Level and Co-curricular level

Review of

- o Syllabus coverage
- o Student feedback
- o Mini projects, Projects and internships
- o Attainment of COs, POs and PSOs
- o SDPs
- o Industrial visits
- o Student participation in paper contests, model making
- o FDPs
- o MOOC certifications by faculty and students

Criteria

Initiatives implemented

1

- Autonomous -OBE Curriculum for holistic education. APSSDC - Center of Excellence for certification courses. Compulsory Internship.
- Value Added courses and NPTEL Chapter with Score A.

2

- LMS and Lecture Capturing system to integrate ICT 9 Clubs and Professional student chapter ACE,CSI,IEEE,IE,SAE, ISTE. NPTEL Active chapter, IITB Remote Center.
- Reformation in Assessment process as per AICTE, UGC,NAAC and NBA. NBA Accreditation of UG - IT,ECE,EEE,ME

3

- Seed money, Incubation Centre and consultancy, Centre of Excellence Labs
- Enhancement in Publications in reputed journals.
- Invited talks and entrepreneurship development programs.

4

- ICT enabled Class rooms and Seminar Halls Enhancement in Library facilities and Digital Library.

5

- Career Guidance and Soft Skill training. Enhancement in Placement and Higher studies
- Improvement in Alumni Engagement

6

- Automation in academic administration, finance, student support, and examinations.

7

o **Green Campus, Innovative Best Practices**

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

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. 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.

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

The ICC Cell promotes gender amity, upholding the right to protect against Sexual harassment in the workplace.

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.

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.

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, Liquid Waste Management, Biomedical Waste Management, E-Waste Management

Waste recycling system

Hazardous Chemicals and Radioactive Waste Management

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. 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.

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.

E-Waste Management: The institution generates 'e' waste like computers, key boards, etc. Institution follows two methods of disposing e-waste (1) Collection of 'e' waste through bins and storing the e-waste generated in prescribed room called as e-wasteroom.

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											
<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>										
<table border="1"> <thead> <tr> <th>File Description</th> <th>Documents</th> </tr> </thead> <tbody> <tr> <td>Reports on environment and energy audits submitted by the auditing agency</td> <td style="text-align: center;">View File</td> </tr> <tr> <td>Certification by the auditing agency</td> <td style="text-align: center;">No File Uploaded</td> </tr> <tr> <td>Certificates of the awards received</td> <td style="text-align: center;">No File Uploaded</td> </tr> <tr> <td>Any other relevant information</td> <td style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table>	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	
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Certification by the auditing agency	No File Uploaded										
Certificates of the awards received	No File Uploaded										
Any other relevant information	No File Uploaded										
<p>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 reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>										

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.

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 staff and students belong to different communities and 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.. To promote cultural and regional heritage with diversity GEC arranges cultural programmes by people of eminence in several fields. GECEFEST 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. 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 Abhian, 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

A. All of the above

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

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	View File
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.

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...

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:

2. Objectives:

To make the students industry ready by providing training in pre-placement activities, programming skills, communication skills, domain specific software tools.

3. The Context:

To cater the training needs of students from rural background and make them employable.

1.

Training classes on placement tests, communication, personality development, soft skills, interpersonal skills and latest software tools.

o 5. Evidence of Success:

Gradual increase in number of placements, and industry readiness.

6. Problems Encountered

Developing professionalism and right attitude among non serious students is a major challenging task to the college..

Best Practice II:

1. Title of the Practice: Green Campus

2. Objectives:

To conserve water and energy, adopt better ways of managing waste, improve the aesthetics of the campus, and deploy eco-friendly technologies

3. The Context

Green campus program in order to support a sustainable and eco-friendly environment.

4. The Practice

Energy Conservation, Use of Renewable Energy, Water Harvesting, Domestic Water Consumption, Efforts for Carbon Neutrality, Plantation and E-waste management

5. Evidence of Success:

Reduced electricity bill, better use of natural resources, clean and green campus

6. Problems Encountered

Going green needs investment and commitment 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 order to realize this goal, 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. Institution motivates the students to participate in extra curricular activities through various clubs. The College encourage students to participate in national level competitions like Go-cart, Chatra Viswakarma awards and many more such events. Outcome Based Curriculum is in vogue with mandatory courses for knowledge, skill and behavioral domain. Compulsory Internship, NSS, Mini Project and Project. Institution has foresightedness with respect to human resource planning and academic enrichment. 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. College earmarked 2% of income as contingency fund to meet the demands and necessities of the institution. Gudlavalleru Engineering College Festival (GECFEST) will be conducted annually which is a confluence of technical, sports and cultural events. This event offers a rich learning experience to the students which they cherish throughout their life.

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

- o To promote and nurture creative and novel ideas of students and faculty through institution innovation center (IIC)
- o To Improve ICT facilities for Teaching - Learning (DigitalBoards), etc.
- o
- o To encourage full-time research scholars 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 IT infrastructure
- To strengthen basic infrastructure like extension of pedestrian paths and widening of roads
- To enhance sports facilities.