YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	Government College of Engineering, Amravati
• Name of the Head of the institution	Prof. Dr. A M Mahalle
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	07212531929
• Alternate phone No.	0721-2531930
• Mobile No. (Principal)	9960590210
• Registered e-mail ID (Principal)	principal@gcoea.ac.in
• Address	Government College of Engineering,Amravati Kathora Naka V.M.V. Road Amravati
• City/Town	Amravati
• State/UT	Maharashtra
• Pin Code	444604
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	01/07/2006
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**UGC 2f and 12(B)**
• Name of the IQAC Co-ordinator/Director	**Prof. Dr. S D LONDHE**
• Phone No.	**07212531929**
• Mobile No:	**7030797299**
• IQAC e-mail ID	**sdlondhe@gmail.com**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.gcoea.ac.in/?page=Nzk=&name=NAAC
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.gcoea.ac.in/?page=Mzk=&name=Academic%20Calender

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B+**	**2.68**	**2021**	**07/09/2021**	**06/09/2026**

6.Date of Establishment of IQAC	**01/10/2019**

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**	**Nil**	**Nil**

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	**1**

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

The external agency is appointed for conduction of online proctored examination where faculty act as an invigilator for a small group of students constantly monitoring their actions during the examination and also the inbuilt record of the student's activities through the camera and the supporting software.

Systematic redressal of grievances with regard to online examinations and the problems faced by the students during examinations

Inspite of all odds posed by the pandemic, two faculty development programs were organized in the online mode

The online platform named "WEBEX" is employed officially for conducting the online classes, meetings, and recording of the events. The faculty were made aware by training them to use the other available online platforms to carry out teaching, assignment submission, examination and assessment.

The services of the outside experts and in-house faculty members were availed to address the training.

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
1. Conducting online classes	1. Successfully conducted
2. Conducting online examination	2. Conducted with active proctoring
3. Full time internships for students	3. Implemented
4. Training faculty to use online platforms for teaching-learning process	4. Faculty is facilitated

13.Was the AQAR placed before the statutory body?	No

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
BOG Meeting Awaited	Nil

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
31/01/2020	31/01/2020

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   **2094**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2   **532**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3   **2063**

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   **667**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2   **94**

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	**2094**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2	**532**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3	**2063**
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	**667**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

3.2	**94**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<u>View File</u>

3.3	**139**
Number of sanctioned posts for the year:	

4.Institution	
4.1	**265**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	**21**
Total number of Classrooms and Seminar halls	
4.3	**862**
Total number of computers on campus for academic purposes	
4.4	**1029.7**
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.

File Description:

The institution after becoming autonomous in 2006, is revising curricula at regular intervals. The recent major revisionwas taken up in 2019, based on the model curricula suggested by the All India Council for Technical Education. In year 2020-21, the Institute offered new curriculum for first two years of UG

programs, while third and final year students were undergoing the old curriculum structure. The backlogger students of old scheme were seamlessly accommodated in the new curriculum by adopting well defined equivalence scheme.

The programmes include Foundation courses (basic science, engineering science, humanities and social science), Professional Core, Professional Electives including industry designed and offered electives, Open Electives, Employability Enhancement Courses, and self-study courses in the curricula to provide a strong theoretical foundation blended with practical engineering skills with an emphasis on Social/professional responsibility and Ethical/Environment and Sustainability related issues. Apart from this, the students are encouraged to undergo Industrial Training/Internship. The departments also arrange Industrial Visits for each class of students at least once in every year.

The Institution is practicing Outcome Based Education based on the guidelines of National Board of Accreditation. The Institution and the Departments have elaborately prepared its vision and mission statements. Each programme defines its Programme Specific Outcomes along with the Programme Outcomes defined by NBA and each course in the curricula has its Course Objectives/Course Outcomes in alignment with the Institution Mission/Vision statements. Each department has Department Faculty Board and Board of Studies to ensure the attainment of defined outcomes and accordingly the revisions are carried out for curricular improvements in terms of course content, delivery methods and assessment methods. The inputs and feedbacks received from Experts from Industry/Academia, Internal Faculty members, Employers, Students, Alumni and parents play a vital role in revision of vision/mission/programme outcomes/progremme specific outcomes/regulations/curricula/ course content.

** Link of the curriculum

https://gcoea.ac.in/?page=Nw==&name=Curriculam

File Description	Documents
Upload additional information, if any	**No File Uploaded**
Link for additional information	https://www.gcoea.ac.in/?page=Nw==&name=Curriculam

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	**No File Uploaded**
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

340

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	**No File Uploaded**
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

194

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	**No File Uploaded**
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	**No File Uploaded**
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

Students, irrespective of their genders, participate in various co-curricular activities such as workshops, project competitions, organization of paper contests, group discussions, technical quiz programs and various cultural activities. Institute organizes various programs such as Prajwalan (a technical festival), Zenith (an annual social gathering), KalpanaChawala trophy (sports) and other programs at institute and department level that help in providing platform for girls and boys equally which leads to overall grooming of the students. Also, they are encouraged for participating in such events outside the campus at University and national level. Further, the different auspicious days are celebrated which include Yoga, Sadbhavana,

Sanvidhan, Ekata, etc. along with programs on the occasion of birth anniversaries of great personalities.

The project batches at UG level are formed with girls and boys

being almost equally distributed. They work together on a project and participate in the project competitions and national level contests like BAJA and TIFAN, to name a few. Quite often, the project work undertaken addresses the social, industrial and appropriate technology problems related to environment and sustainability. In year 2020-21, the students were not on campus due to pandemic and the physical activities could not take place.

The separate link is provided below for the courses that particularly address the issues outlined in title. These courses include Human values and Ethics, Introduction to Constitution of India, Environmental Studies, Effective Technical Communication, Minor Project, Project Phase I and II, Seminar, Environmental Pollution Control, Industrial Training and Visit, Human Resource and Economics, Industrial Organization and Management, Project Management, Operation Research, etc. form the part of the curricula of UG program.

The Institute offers separate PG program in Environmental Engineering where students get the exposure to related, highly specialized courses and topics.

** Link of the curriculum

https://www.gcoea.ac.in/?page=Nw==&name=Curriculam

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	No File Uploaded
Any additional information	No File Uploaded

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

17

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

975

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

21

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	**B. Any 3 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	**Nil**
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following	C. Feedback collected and analysed

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

460

File Description	Documents
Any additional information	No File Uploaded
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)

228

File Description	Documents
Any additional information	No File Uploaded
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.

The institute organizes the orientation programme for newly admitted students. This year as well, the programs were organized in online mode. Apart from remedial classes for poor performing students, the special special audit courses are offered for students admitted directly to second year. The institution follows a well-designed academic plan to implement desired learning objectives, assess thestudents and guide them to improve their

academic performance.

The year 2020-21 has been unprecedented due to pandemic. The teaching-learning and assessment has to be carried out in the online mode. The Institute adapted itself to the changed scenario and taken the relevant decisions pertaining to academics from time to time to cater the needs of the students.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	2094	94

File Description	Documents
Upload any additional information	No File Uploaded

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:

The curriculum has theory, laboratories, workshops, seminars & project work to attrain the relevant program outcomes outlined by National Board of Accreditation. In year 2020-21, the

faculty and students have to face unprecedented situation. The new ways and means were to be discussed, deliberated and followed to carry out the academics. The Institute took up the well-organized steps and measures to face the challenges posed by the pandemic. The laboratory courses were conducted in the virtual mode.

The examples of student centric methods like experiential learning, problem solving methodologies etc. being used by the

institute is as given below.

- Minor and Major project
- Case studies
- Student internship programs
- Skill development programs
- Expert Talks
- Self Study

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

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

In the year 2020-21, every faculty have to search, learn and adopt the new avenues of the entire teaching learning process. The students were facilitated by sharing learning material in the form of power point presentations andsoft copies of the notes prepared by the faculty. Also, e-books, National Programme on Technology Enhanced Learning(NPTEL) videos were shared with students. The awareness is created for the NPTEL, MOOCS and SWAYAM courses available for enhancing the knowledge in common as well as specialized areas. The laboratory courses were conducted in the virtual mode. The soft skills trainings were arranged in the online mode. Also, students were encouraged to take up the AICTE offered industrial and other skill based trainings made available at national level. The library resources in the form of e-books and journals were made available to the students by the Institute, where they could get access to available resources from their homes. Conduction of examinations, assessment of laboratory and theory courses, and assignments submission is also carried out online by the teachers and controller of examination.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://gcoea.webex.com
Upload any additional information	**No File Uploaded**

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

2.3.3.1 - Number of mentors

0

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	**No File Uploaded**
Circulars with regard to assigning mentors to mentees	**No File Uploaded**

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

Detailed academic calendar indicating dates for all scheduled activities such as commencement of classes for each semester, online registration for semester, all class tests/ midterm exams, end of the term, end semester exams (theory and practical), list of holidays and vacations is being prepared well in advance and then is discussed, modified (if required) and then approved in academic program evaluation committee and finally in the academic council. The approved academic calendar is uploaded on institute's website and displayed on the institutional to enable all students to aware of allacademic activities before/at the time of commencement of academic year.

In year 2020-21, the rescheduling of the activities was carried out from time to time as per the need and it was communicated to the students by displaying on the website, informing in the classwise whats app groups, and through respective teachers handling the courses.

Every faculty has liberty to prepare and implement their own teaching plan and methodology for their subjects. The thinking behind this is to have more flexible and student centric teaching learning process.

** Link of the calendar for 2020-21

https://gcoea.ac.in/?page=Mzk=&name=Academic%20Calender

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	**No File Uploaded**

2.4 - Teacher Profile and Quality

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

94

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	**No File Uploaded**
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

42

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	**No File Uploaded**

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

773

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

2.5 - Evaluation Process and Reforms

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

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

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

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	**No File Uploaded**
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

In the old scheme, a student is evaluated for academic performance in a theory course through Teacher's Assessment – 10 marks (based on tutorials, home assignments, term papers, field work, seminars, etc. as declared by the course coordinator),Class Test I and II – 15 marks each, and the End-Semester Examination (ESE) – 60 marks. In the new scheme (since 2019-20), Class Test I and II are replaced with single Mid Semester Examination (MSE) – 30 marks. In both the schemes, laboratory courses are evaluated continuously

throughout the semester based on the following parameters,

- Technical competence (Usage of Tools and Techniques)
- Innovation (Research/ Creativity / Thinking/ Quality / spirit of inquiry)
- Participation in team (Decision Making , Leadership)
- Integrity and Responsibility

The internal marks are awarded at end of the semester based on the performance in individual practical. Further, the students have to undergo the external examination in each laboratory course.

All the above activities were performed in the year 2020-21 in the online mode that include conducting the CT I, CT IIand MSE with subjective questions through 'Google Forms' by respective teachers. The ESE was carried out in the form multiple choice questions through the centralized and autoproctored examination. The external agency was appointed to carry out proctored examination by appointing faculty as proctor. The assessment of examinee was communicated to the respective faculty through the Dean (Academic).

The institute utilizes MIS software for registration of the students, filling the marks of various examinations. The data is centrally stored in the server, placed at Dean (Academic) office.The students have direct access to the MIS through their login ID to check their marks and grades.

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

2.6 - Student Performance and Learning Outcomes

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

POs for each of the engineering UG program are specified by

National Board of Accreditation (NBA). PSOs are the specific program wise outcomes that have been separately formulated for the programs offered by all the Departments of the Institute.COs are the measurable parameters which evaluate students' performance for each course that is undertook in every semester. COs are written for each of the course of all the programs offered presently. The POs, PSOs and COs are displayed on the website prominently. The separate meetings were conducted with peer groups, faculty and supporting staff to make them aware of outcomes. The teachers themselves were involved in preparing vision, mission, PEOs, PSOs and COs. The students are informed about the course outcomes by the respective teachers. The POs and PSOs are also exhibited as posters in the respective Departments. The POs, PSOs and COs are elaborated in the syllabi of all the programs.

** Link of the curriculum

https://gcoea.ac.in/?page=Nw==&name=Curriculam

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	https://gcoea.ac.in/?page=Nw==&name=Curriculam

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

File Description

An assessment processes is based on gathered data to evaluate course outcomes. Data collection processes includes:

Examination: comprises two class tests, teacher's assessment and end semester examination, Lab work actual performance and internal continuous examination and external examination

Teacher's assessment: is based on Assignments as a part of continuous assessment, Surprise Tests, Quizzes and Seminars on latest and innovative topics related to the particular course

Mini project: include design, problem identification, problem formulation fabrication, site visits, market survey, model and prototype based work, report writing

Project: includes design, problem identification, problem formulation fabrication, experimental, data analysis

Feedback of faculty members: regarding the student's performance in the course and degree of achievement of POs

Feedback from students: Feedback from students about faculty with regard to teaching

skills/methodology, coverage of syllabus and topics covered beyond the scope of syllabus

Feedback from alumni: regarding achievement of Cos

Placement Record: Students placed in different companies, industries and other jobs.

Feedback from employer: Feedback from employer is taken regarding performances of students in different sectors.

Student's Exit feedback: Feedback from passing graduates is taken

The CO attainment level is measured using the result of the internal assessment and End Semester Examination/external examination as a Direct Assessment and course feedback by students and expert feedback by peer experts as an indirect assessment. Direct assessment is taken as 70% and indirect assessment is taken as 30%.

Later, PO and PSO attainment is calculated using Course-PO and PSO articulation matrix.

The complete procedure of calculation of CO and PO attainment is elaborated in the additional information uploaded herewith.

In the year 2020-21, the above process could not be completed in view of online activities and the limitations thereon. However, the alternative process is decided and adopted after the deliberations amongst the faculty members.

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

521

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	**No File Uploaded**
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://www.gcoea.ac.in/downloads/2_7_1_Students_Satisfaction_Survey.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 has laboratories of six departments which are recognized as research centre by Sant Gadge Baba Amravati University, Amravati. These laboratories are well equipped and updated every year by procuring up-to-date equipment.

The institute is developing two Centre of Excellence (CoE) to

provide the latest research facility to the faculty members as well as students.

To improve technical competency of faculty members and to enhance the research work in the institute, the Institute has adopted the policy to provide financial assistance to the faculty for attending conferences and to publish the research papers in reputed journals. Financial assistance is provided to attend a National/ International conference to present a paper, chair a session or deliver an expert talk.

Financial assistance is also provided to attend a training organised by institute of repute, for content updating.

Faculty members are motivated to complete their PG/ Ph. D under Quality Improvement Programme by deputing them full time to NITs and IITs.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	Nil
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)

0

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	**No File Uploaded**
Any additional information	**No File Uploaded**

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

0

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

3.2 - Resource Mobilization for Research

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

25.48

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

3.2.2 - Number of teachers having research projects during the year

02

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

3.2.3 - Number of teachers recognised as research guides

35

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	**No File Uploaded**
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

2

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

3.3 - Innovation Ecosystem

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

The Institute has adopted the policy to reimburse the expenses to the students for participating in regional and national level technical competitions, paper presentation contests, project competitions, etc. Apart from above competitions, the faculty and students are involved in filing the patents with regard to their innovative work.

The institute is planning to develop an Incubation centre to facilitate research and Innovation culture within its campus. Necessary technical guidance, professional expertise and funding will be offered to the innovators. It is also proposed to establish infrastructural facility of around 1000 Sq.M. built up area.

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

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

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

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**B. Any 3 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	**No File Uploaded**
Any additional information	**No File Uploaded**

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

3.4.2.1 - Number of PhD students registered during the year

12

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	<u>View File</u>
Any additional information	**No File Uploaded**

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

0.67

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

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

0.041

File Description	Documents
Upload any additional information	<u>View File</u>
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

248

File Description	Documents
Any additional information	View File
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

18

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

125.16

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	No File Uploaded
Any additional information	No File Uploaded

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

0

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

3.6 - Extension Activities

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

The institute, in normal circumstances, conduct number of activities to sensitize the students about socialissues. These include Blood Donation Camp, Shramadaan, acitvities under Unnat Bharat Abhiyan, Unnat Maharashtra Abhiyan, NSS, etc.

In the year 2020-21, such programs could not be organized since students were not available on campus.

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

01

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

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

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

910

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

3.7 - Collaboration

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

11

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	**No File Uploaded**

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

5

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.

Every department is provided with built up space as per the requirements of AICTE in the form of class rooms, laboratories and seminar halls, staff rooms and departmental library. In

addition to this there are central facilities in the form of library, computing facility and student recreational facilities. Allied areas in the form of hostels, and mess cater the need of students. The campus also provides appropriate parking facility for cycles, two wheeler and four wheeler vehicles.

Every department has dedicated laboratories and classrooms. Each laboratory is equipped with sufficient number of required experimental setups. Computers in the campus are connected to internet. Central library is having a large collection of textbooks, journals (hard

copy and soft copy) and magazines. There is E-class room in the central library with a seating capacity of 30, where digital library facility is available to the students and faculty. Also e-journals and online books/learning material can be accessed.

The library provided the remote access to the students and the faculty of the Institute in the times of closure of the Institute during pandemic. This initiative could immensely help the students

in carrying out their studies and fulfil their minor and major project and seminar requirements.

File Description	Documents
Upload any additional information	No File Uploaded
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.)

There are adequate facilities available on campus for various activities.

Grounds spread over around 8 acres of land are available for the outdoor and indoor games that include Cricket, Foot-Ball, Basket Ball, Volleyball, Handball, Indoor Games: Badminton, Table Tennis, Carom / Chess, Body Gym.

The students themselves manage different clubs like Robotics Club, Fine art Club

Photography Club, Music and Dramatics Club, etc. Also, there are students association e.g. CESA, Civil Engineering Students association (similarly MESA, EESA etc. for other disciplines) for conduct of co-curricular activities. There are different student chapters of professional societies e.g. ISTE, IE(I), IEEE etc.in the departments. Students get proper exposure through extra curricular and co-curricular activities conducted throgoh the above clubs, associations and chapters.

In year 2020-21, the sports competitions, individual game competitions and other activities could not be organized.

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

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

21

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)

1029.7

File Description	Documents
Upload audited utilization statements	**No File Uploaded**
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)

Following information provides the insight into the library resources and facilities at a glance along with relevant software for automation.

Books

82439 (General Section- 45827, Book Bank Section-36612)

Printed National Journals

128 +

E-Journals (National & International)

904 (ASME-33, ASCE-35, IEEE-190, Science Direct-296, Taylor & Feancis-350)

News Papers

12 (Marathi- 06, Hindi- 01, English- 05)

Magazines General

24 (English- 19, Marathi- 05)

E-Books

481 (MgGraw Hill-130, Vidya e-books-34, Pearson-317)

Electronic Database Videos, VCDs & DVDs

3998

NPTEL Video Course

90

OPAC Service

OPAC (Online Public Access Catalog) is an online database of materials held by a library. It is an electronic version of the card catalogue. OPAC is the gateway to library collection. A Web-OPAC system of searching books is also installed in the institute intranet which will be helpful to all students for checking titles and availability of books by internet.

Library Automation with SLIM

SLIM (System for Library Information and Management) software is the perfect tool for making work in the library easier & more productive. Issue Books, Return Books, Cataloguing, Report, Bar Coding, I.D. Cards etc. it is a complete systems that automates nearly every library task.

NDLI Club (National Digital Library of India Club)

NDLI Club of Government College of Engineering, Amravati Registration number is INMHNCXJPA67X5L . Institute Users are registered with NDLI Club , which is an an initiative of Ministry of Human Resource Development (MHRD) through its National Mission on Education through Information and Communication Technology (NMEICT) to develop a framework of virtual repository of learning resources with a single-window search facility.

E –Library

In library, separate E-Room where dedicated 20 multimedia PC are available for the users with uploaded DVDs /VCDs/NPTEL videos & with the Internet facility.

Webinar & MOOC, Educational channel facility

Seminar room of having capacity of 30 along with LCD projector facility is available for Webinar purpose. TV facility is given to students for watching Gyan Darshan, Eklavya Channel or other study channels.

Plagiarism Software: Typeset

For faculties and scholars publishing research papers journals

Multimedia PC

39

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

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)

54.59

File Description	Documents
Audited statements of accounts	**No File Uploaded**
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

3

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	[View File](#)

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

The Institute has upgraded the current internet bandwidth from 100 Mbps to 1 Gbps, under National Knowledge Network (NKN), a Central Government scheme. Further, the BSNL leased line capacity is increased from 75 Mbps to 140 mbps. The important additional procurement includes the Cisco Firewall for providing network security, number of advanced Wi-Fi devices and switches, etc. The wireless access points and switches were added to provide better wireless internet service to the users. Simultaneously, the networking of various departments is strengthened to cater to 1000 physical nodes and more than 1000 wireless internets users.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.gcoea.ac.in/downloads/4_3_1_Data_Center_Project_Report.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2094	826

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
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

D. Any one of the above

File Description	Documents
Upload any additional information	No File Uploaded
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)

1029.7

File Description	Documents
Audited statements of accounts	**No File Uploaded**
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 construction of new buildings and major maintenance are carried out by Public Works Department of Government of Maharashtra. In addition to this, the Institute has its own Building and Works Committee that comprises Principal (Chairman), one BoG member, one Architect, PWD representative, AMC representative, Dean (Construction) and Head (Civil) as a member secretary. This committee takes decisions on infrastructure developments, electrical installations and budgetary provisions thereof. Minor civil works are executed and monitored by the committee.

Institute has few regular employees to look after the cleanliness. Apart from that, the housekeeping work and gardening is carried out by hired agencies. Major electrical installation and maintenance work is looked after by electrical division of PWD. There is a set system for addressing the minor electrical problems which is supervised by the Electrical Department.

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

1609

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	**No File Uploaded**

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

106

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

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

File Description	Documents
Link to Institutional website	www.gcoea.ac.in
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

781

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	**No File Uploaded**
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

205

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

25

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	<u>View File</u>
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

63

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

5.3 - Student Participation and Activities

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

0

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
Any additional information	**No File Uploaded**

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

STUDENTS COUNCIL:

Student Council is a student's welfare body formed under the Students Welfare Cell. Every class has 3 Class Representatives

(CR). All the class representatives of all the branches and years, the University Representative, ladies representative, gymkhana secretary, etc are the members of the Student's Council and is headed by Dean of the Students Welfare Cell.

Every year the student's council conducts various programs and workshops for the betterment of the students.

The CRs meetings are held regularly to know problems faced by the students in the academics and take a review of the syllabus that is to be completed for every exam.

GYMKHANA COUNCIL:

Gymkhana Council is a students' body comprising of the secretaries of various sports and co-curricular activities. It is headed by the General Secretary, Gymkhana and supported by the Joint General Secretary and Ladies Representative. It consists of a total of 22 secretaries are selected through an interview process. These secretaries are responsible for organising their respective activity and guide the student participants in the University level competitions. The council comprises Gathering secretary, a student Convener of the Annual Gathering, 'Zenith'. The secretaries organise various events like National Integration day, Youth

day, Birth anniversaries of National leaders, etc. The major event of the Gymkhana is the Kalpana Chawla Trophy (KCT). KCT is the annual sports competition of our college which gives the students a chance to show their sports skills and sportsmanship. Gymkhana Council acts as a bridge between the students and the administration.

ANTI-RAGGING COMMITTEE: The Institute also has an Anti Ragging Committee constituted according to the norms of AICTE. It consists of one student representing each hostel in the college premise. There are 3 boy's hostels and 2 girl's hostel in the institute. It is taken care that peace and order is maintained in all the hostels.

WOMEN'S GRIEVANCE COMMITTEE: The Women's Grievance Committee is formed as per the guide lines and instructions received from SGB Amravati university in order to maintain safety and security to

the girls and women in the institute. The committee consists of one UG students and one PG student as the students representatives.

ACADEMIC BOARD: The Academic Board is constituted in the institute as per the guidelines of UGC. There are two student representatives in the board; one each representing the UG and the PG students.

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

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

3

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

5.4 - Alumni Engagement

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

The activities of association include:

1. Alumni Meet

Every year, silver jubilee batch (pass out batch completing 25 years of graduation) organizes 'Alumni Meet' to commemorate the memories of the past.

2. Scholarship

Alumni Association, every year, provides scholarship to the economically weak students based on their merit.

3. Education adoption

The Alumni association has adopted two students by sponsoring the fees for the college

4. Scholarship by Spandan foundation

The Spandan foundation, a subset of alumni association also awards scholarship to economically weak students since 2017-18.

5. Contribution to technical festival 'Prajwalan'

'Prajwalan' is one of the largest technical festivals in Maharashtra, conducted every year.

6. Contribution to Robotic Forum and Art Club

The Alumni association contributes Rs 25,000/- per year to the Robotic forum, which conducts various

technical events .

7. Assistance for competitive examination

8. Guest lectures

9. Welcome function

Due to the pandemic, it was not possible to conduct the programs in offline mode. However, few Programs were conducted in online mode under the Alumini Association as follows:

1. Alumni Cell arranged the online Alumini and Parents Meet on 20th February 2021. The meet was conducted on the online WebEx platform under the guidance of Principal. The program started with welcome note of the Pincipal mentioning the achievements of the college and the opportunities provided to the budding engineers of the college. Later, the alumni shared their college experiences and the scope that they got in the college and how they had utilized that scope to explore their skills. The session was concluded with the vote of thanks by Dr. M.V. Jape, Alumni Coordinator.

One more Alumni Meet was conducted by National Board of

Accreditation team during their visit of Electrical Department on 19th March 2020.

2. The industrial lecture by Er. Ashok Kale, MD, Sanstar Microsystems Pvt Ltd. (the alumni of 86 batch) was organised on 25th February 2021.

3. Sponsorship in Japanese learning to the students by Aniruddha Pimpalkhare, Alumni Amravati.

4. One of the proud Alumni, Aniruddha Pimpalkhare, M.D., Fair share IT services, Pune had sponsored Japanese language learning to the five students of the college. It was a free coaching for the exam JLPT N5. It was a great and very well appreciated initiative by students, as there is a huge scope of Japanese language in IT industry.

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

5.4.2 - Alumni's financial contribution during the year | E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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 Board of Governors (BoG) is vested with powers to frame the policies for overall development, administration, finance and academics. The BoG is supported with other statutory bodies as defined by UGC for autonomous institutes. These bodies include Academic Council (Senate), Finance Committee (FC), Building Works

Committee (BWC), Academic Program Evaluation Committee (APEC), Subject Boards (BoS) and Department Faculty Board (DFB). In each of the above committees, the faculty members are nominated and are involved in decision making. BoG is very keen to see that the various programs have been designed and implemented in consultation with all the stake holders and so also with the expert guidance of faculty from IIT, NIT and industrial experts.

The management and administration are supportive to the staff and students in order to achieve their goals. The institute has well documented financial procedure and rules. Sufficient funds are available in the form of its own deposits, State Govt. grant (salary) and funding agencies. The institute has developed various policies in order to align institutional progress with vision and mission.

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

The organization has good decentralization of authorities and the overall improvements are closely monitored. The administrative, academic and financial policies are designed at the BoG level, however inputs for the policy making are derived from various stake holders namely; internal faculty, staff, students, University, Directorate of Technical Education, past students, faculty experts from other institutes, Industries, Research Organizations etc. All the committees have been constituted as per the UGC guidelines for autonomous colleges. The committee meets regularly and the minutes of the meetings are well recorded. The committees take decision in their jurisdiction, indicates decentralization and participative management. Academic improvements are also audited by internal and external committees. Periodic feedbacks are obtained from students, parents, alumni, employers etc for enabling overall improvement of the college. The college has also framed academic rules under Autonomy. On campus placement of the students is usually 50 to 55% every year.

This college practices participative management at various levels. Various positions, namely, Dean (Planning and Administration), Dean (Academics), Dean (R&D) Dean (QA), Dean (IIIC and TPO), Dean (Students welfare), Dean (Corporate relations), Planning and evaluation committee, Gymkhana Managing Committee, Library Committee, Faculty Advisors for student activities, Coordinators, Purchase Committee, Electrical Maintenance In-charge, Water Maintenance In-charge, Hostel wardens, Rector, Security In-charge, Canteen In-charge, Heads of Departments, Grievances Committees for students, supporting staff, faculty, Women's Grievance Cell, Anti Ragging Committee, Garden Committee, Training and Placement Committee, Campus Cleaning Committee, etc. are available and working is very smooth. The BoG members are nominated by the Govt. of Maharashtra and, also few other members are invited on BoG, as per their expertise.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The Institute has decided the strategic goals in accordance with the Vision, Mission, quality policy and core values. The following are the broader areas of activities.

- Industry Institute Interaction
- Placement, Internship and Career Guidance
- Financial Planning and Good Governance
- Physical Infrastructure
- Faculty and Staff Trainings
- Teaching Learning and Evaluation Process
- Entrepreneurship
- Financial Management
- Research Development and Innovation

- **Quality Assurance**
- **Testing and Consultancy**

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
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.

Service rules, procedures, recruitment and promotional policies are governed by Maharashtra Civil Services Rules and government norms revised from time to time. Facility of upward movement to the higher post under time scale is available for faculty as well as technical and non-technical supporting staff. Grievance redressal committees for faculty, supporting staff, women, students and SC/ST faculty and staff are nominated and working in the institute. These committees are responsible for timely clearing of relevant cases. The link to documentary evidences of the different committees is provided herewith.

All the statutory and non-statutory bodies that are required as per the UGC guidelines with regard to autonomy are in place. The meetings of these bodies are carried out as per the norms and procedures and minutes are displayed on the website.

**Link to the minutes of meetings of different bodies

https://gcoea.ac.in/?page=NDc=&name=Finance%20Committee

https://gcoea.ac.in/?page=NDc=&name=Finance%20Committee

File Description	Documents
Paste link to Organogram on the institution webpage	https://gcoea.ac.in/?page=NDc=&name=Finance%20Committee https://gcoea.ac.in/?page=NDc=&name=Finance%20Committee
Upload any additional information	**No File Uploaded**
Paste link for additional Information	**Nil**

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	**No File Uploaded**
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

Being a Government institute, there are several schemes and facilities available for the faculty and staff as per the rules and regulations. The social & family security and support for upliftment of the faculty and staff is provided as given below.

- **Pension scheme for employees recruited before 2005**
- **After 2005, Defined Contributory Pension Scheme (DCPS) through National Pension Scheme (NPS)**
- **Group Insurance Scheme(GIS).**
- **Accidental Insurance**
- **Medical claim facility for employees and their dependents**
- **Loan for house, car, motorcycle, computer**

- **Festival advance of Rs. 10000 during the Diwali festival for Class III and Class IV employees .**
- **Leave Travel concession (LTC) once in four year in State**
- **Home town travel allowance once every two year**
- **General Provident Fund (GPF) and Advance/Loan availability through GPF**
- **The scheme for promotion**
- **For faculty, Career Advancement Scheme (CAS)**
- **For supporting staff, time scale promotion**
- **Deputation for upgradation of qualifications, M.Tech. and Ph.D., for faculty under Quality**
- **Improvement Program (QIP)**
- **Study leave for two years for other employees**
- **Assurance of service to the dependents of the deceased employee on compassionate grounds**
- **Cooperative society with contribution from the employees themselves, under which, emergency loan is available**

Institute initiatives

- **Grant for Patent.**
- **Grant for attending conference/ seminars, publishing research paper, etc.**
- **Sports and cultural program for faculty and staff once in a year at R. O. level.**

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

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

3

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

2

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

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

46

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	**No File Uploaded**

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Audit (External)

The financial audit of the Institute is carried out by Accountant General (Maharashtra-2) once in two or three years. All the grants received from State Government, other agencies like AICTE, DST, fees collected and internal revenue generated are scrupulously audited. The audit committee submits its report along with the relevant findings and objections, if any to the Institute and the Director, Technical Education. The compliance of the objections raised by the auditors is given by the Institute within the framework of rules and regulations.

Audit (Internal)

After grant of autonomous status in 2006, the Institute is retaining student's tution fee. The same is utilized for recurring and non-recurring expenditure of the Institute. The rules and regulations set by the State Government are followed by the Institute. As per the directives of Board of Governance (BoG), the internal audit is conducted at hands of renowned chartered accountant (CA), every year. The report is submitted by auditors to the Institute along with findings and objections, if any. The office then takes efforts to regularise the objections by taking necessary corrective measures and compliance. The audit report and its compliance is tabled in the Finance Committee meeting and the BoG meeting.

- **Link to the audit report 2020-21**
- **https://gcoea.ac.in/?page=NDk=&name=Minutes%20for%20FC%20Meeting**

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://gcoea.ac.in/?page=NDk=&name=Minutes%20for%20FC%20Meeting

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)

00

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 institute became autonomous in 2006. In order to move towards

self-sufficiency, the State Govt. of Maharashtra allowed to retain the fee of the students admitted in the institute. Further, the institute receives Salary Grant for teaching and supporting staff from the State Government. The separate grants are sanctioned by State Government as per the demand for construction of new facilities.

The institute receives Research and Lab development Grants as per the sanctioned research projects from agencies like AICTE, DST, etc. Apart from the above grants, the Institute also receives the grants for Faculty Development Programs from AICTE and Directorate of Technical Education.

The institute also generates its internal revenue by offering testing, consultancy and continuing education program. The institute has established four funds as per the directives from the State Government namely corpus fund, staff development fund, depreciation fund and maintenance fund. Internally generated revenue is distributed in equal proportion in the above four funds.

The preparation and approval of budget of the institute is a systematic process. The departments, deans and various offices submit requisition of funds for the ensuing financial year. The draft budget is prepared based on requisition by member secretary, finance committee and Dean (Finance). The finance committee discuss the budget in detail and recommend it with necessary revision to the Board of Governance (BoG) for approval. The budget finally approved by BoG, is followed for respective Financial Year. In case of emergent supplementary demands, similar procedure is adopted.

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)

IQAC cell has been in place to cater the needs outlined as per the guidelines of NAAC.

The specific initiatives underatken during the year include the following

- **The external agency is appointed for conduction of online proctored examination where faculty act as an invigilator for a small group of students consatntly monitorng their actions during the examination and also the inbuilt record of the students activities throgh camera and the supporting software.**
- **Systematic redressal of grievances with regard to online examinations and the problems faced by the students during examinations**
- **Inspite of all odds posed by the pandemic, two faculty development programs were organized in the online mode**
- **The online platform named "WEBEX" is employed officially for conducting the online classes, meetings, and recording of the events.**
- **The faculty were made aware by training them to use the other available online platforms to carry out teaching, assignment submission, examination and assessment. The services of the outside experts and inhouse faculty members were availed to address the tranings.**

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

Two examples of facilitation by IQAC are noted bvelow:

- **The external agency is appointed for conduction of online proctored examination where faculty act as an invigilator for a small group of students consatntly monitorng their**

- **actions during the examination and also the inbuilt record of the students activities throgh camera and the supporting software.**
- **The faculty were made aware by training them to use the available online platforms to carry out teaching, assignment submission, examination and assessment. The services of the outside experts and inhouse faculty members were availed to address the tranings.**

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**B. Any 3 of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	**Nil**
Upload e-copies of accreditations and certification	**No File Uploaded**
Upload details of quality assurance initiatives of the institution	<u>View File</u>
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

The Women's Grievance Committee is formed as per the guide lines and instructions received from SGB Amravati university. The purpose of this committee is to avoid the incidence of sexual harassment. The members of the Women's Grievance Committee are: a senior lady faculty as chairman, BoG representative, lady advocate, social activist, two senior staff members and student representatives. Under this cell various programs like counselling sessions, workshops, career guidance programs, mental health awareness programs, guest lectures, etc. are regularly held in the institute. The main motto behind this is to bring about the gender sensitivity. An overwhelming response is always observed from the students throughout the academic year.

The programs conducted in 2020-21 include:

1. Women Empowerment and Self-Defence Workshop:

An online workshop was organized for all the female students and staff on 30th of January 2021. The facilitators were Mrs. Gunjan Gole, an activist, social worker and the Founder and President of Women's Foundation, Amravati and Mr. Ashwin Talegaonkar, a trainer, who has achieved the best referee award at 1st international thang ta Championship. More than 200 girls were benifited by joining online. Various techniques of self-defence and other exercises required to develop their physical and mental agility were taught to the participants.

2. Webinar on Gender Equity and Woman Rights

An online webinar was organized on 5th.of December 2020 for all the female students of Government College of Engineering, Amravati. The facilitator was Mrs. Jyoti Khandpasole, a post graduate in Social work from TISS, Mumbai (Criminology and Correctional Administration) and Master in law (Criminal). She is a Social worker in "Criminal Justice System" leading to establish 'DISHA'. About 100 girls joined the webinar receiving the guidance about gender equality and safety.

File Description	Documents
Upload any additional information	No File Uploaded
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	C. Any 2 of the above

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

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

Solid waste management: - The Institute has four boys hostel and two girls hostel and residential quarters for wardens along with Principal's residence. The solid waste generated from this area is collected by sweepers. The garbage other than the solid waste are also collected by housekeeping personnel. This collected waste is transported to disposal site by Amravati municipal corporation personnel.

Liquid waste management: - Proper sewerage system is provided in the campus. Sewage from residential area is collected in one septic tank and overflow from the same is drain off with the help of sewer. The wastewater is disposed off into municipal sewer line. Few M.Tech. (Environmental Engineering) projects are conducted on the treatment and management of wastewater generated in the campus.

E-waste management: - Electronic goods are put to optimum use. The irreparable electronic goods and damaged computers are written off and then sold to scrap vendor. UPS Batteries are exchanged by the suppliers. Obsolete computers are auctioned to the vendors. The electronic components and other e-waste are disposed properly.

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	**B. Any 3 of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	**No File Uploaded**
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**	**B. Any 3 of the above**

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	E. None of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
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.	C. Any 2 of the above

File Description	Documents
Geotagged photographs / videos of facilities	**No File Uploaded**
Policy documents and brochures on the support to be provided	**No File Uploaded**
Details of the software procured for providing assistance	**No File Uploaded**
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 students from all types of backgrounds and hailing from the differed strata of the society seek admission in the Institute. There are students from all the backward classes and also from the economically weaker section. The Institute encourages and practices impartial outlook towards not only the students but also the faculty and supporting staff with cultural, regional, linguistic, communal, socio-economic and other diversities. All the policies are framed in the interest of the students, faculty and staff that are aimed equally at the welfare and well being of all.

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:

On 26th November and on 26th January every year, the public reading of the preamble of the constitution is made as per the directives of the Government. The different programs and events organized for a week at the time of birth anniversary of Dr. B.R. Ambedkar every year infuse the awareness of constitutional obligation, values, rights, duties and responsibilities of the citizens outlined in the constitution. On the occasion of Anti Terrorist Day (21st May), Sadbhavana Divas (20th August), National Unity Day (31st October and 19th November), the oath of respective day is taken by students, faculty and staff.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	**C. Any 2 of the above**

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

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

Describe the efforts of the institution to celebrate /organize national and international commemorative days, events and festivals during the year (within a maximum of 200 words).

Provide weblink to:

- **Annual report of the celebrations and commemorative events for during the year**
- **Geotagged photographs of some of the events**
- **Any other relevant information**

The institute celebrates birth anniversaries of the great Indian personalities. Government of Maharashtra issue a resolution every year mentioning the names of personalities whose birth anniversaries are to be celebrated. Accordingly, the students and faculty and staff meet in the Gymkhana hall for function. On the occasion of Anti Terrorist Day (21st May), Sadbhavana Divas (20th August), National Unity Day (31st October and 19th November), the oath of respective day is taken by students, faculty and staff. On 26th November, the preamble to the Constitution of India is read and the oath is taken to follow the constitution of India and work for the unity. On the occasion of birth anniversary of Dr. B.R. Ambedkar, one week is celebrated by organizing various activities/events that include whole day reading, debate competition, essay competition, invite the expert to deliver the lecture on Amberdkar's thought etc. All these activities are conducted and monitored by Gymkhana.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
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

1. Academic Audit

Academic audit of the institute for the academic year 2018-19 was conducted on 07th Feb 2020. Thereafter due to COVID 19 restrictions, this activity was deferred for last two years. Academic audit for the year 2019-20 and 2020-21 is now scheduled on 12th April 2022.

2. Meeting of Class Representatives (CR)

During academic year 2020-21,CR meetings were conducted on following dates.

1. Title of the Practice: - ACADEMIC AUDIT

1. Objectives of the Practice:

- To assess the quality of teaching-learning process, performance of faculty and quantify theimprovements
- To monitor the attainment of course and program outcomes
- To evaluate the quality of question papers and the assessment process
- To provide critical analysis of the academic and lab facilities

2. The Context:

- The Institute has to stand out in the competition with the peer institutes
- There is a need for validation of teaching-learning process and it's relevance in improving theemployability of the graduates

3. The Practice:

- The academic audit is conducted every academic year. The audit team for each program departmentconsists of two eminent experts who are either from academics or industry
- The audit committee visits the concerned departments and conduct assessment on the basis of a Department report and Presentation, Discussion with faculty and students and critical evaluation ofrelevant material/record
- The final grade is given on the basis of the score out of total 600 marks

4. Evidence of Success:

- The grading itself is an indicator of the performance of the individual program departments
- The SWOT analysis of the department is validated

5. Problems Encountered and Resources Required:

- The quality of exam question papers evaluated by the external experts for a small sample size
- Many of the important suggestions of the Audit Committee require decisive action at the highest level of administration.

2. Title of the Practice: - Meeting of Class Representatives (CR)

1. Objectives of the Practice:

- To make available a real platform for the students to air their grievances related to teachinglearningprocess and academic facilities
- To ensure every faculty member is performing well in academic activities
- To bring to the notice of the authorities any lacunae in the conduct of academic processes andphysical facilities

2. The Context:

The institute felt the need to listen to the student issues and demands through regular interaction with thePrincipal and empowers them to express their views in a free environment.

3.The Practice:

The CR meetings are notified by the Prof. I/c of Student Welfare to obtain the student feedback which is then discussed in the meeting of HOD's. Suggested corrective actions are decided and time-boundimplementation of the actions is mandated.

4. Evidence of Success:

The Evidence for success is seen in the efficient implementation of corrective actions and suggestions given by the student representatives like demand for Aurdiono Kits put forward by the students which ledto the procurement of these kits by the institute.

5. Problems Encountered and Resources Required:

The problems pertain to the individual tendencies to overlook the suggestions for improvement, inhibitions in the minds of students to speak freely about the deficiencies in the teaching-learning process and lack ofobjectivity in the student feedback which results in a generalist approach towards their problems.

File Description	Documents
Best practices in the Institutional website	Nil
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)

Industry-Institute Interaction

The institute has chosen to present the performance in industry-institute interaction which is distinctive to its vision, priority and thrust. Industry-Institute Interaction is a collaborative effort with industries and is designed to share technology

advancements, exchange of best practices, train the students and faculty in latest technologies and industry work culture and transform the graduates into professionals.

The basic philosophy for promoting industry-institute interaction as a supplement to the formal learning process of the students is the realization that they need to acquire skills from industry experts in addition to the knowledge gained by them at the institute so as to facilitate their transformation in to a professional with critical thinking, analyzing and problem solving capabilities.

The institute has initiated and successfully implemented this activity with the objective of:

- preparing its graduates who are industry ready and possess high level of employability
- bringing industry and institute at one platform
- reforming the curriculum as per the needs of industry
- exposing the students to latest technological trends
- allowing the students to learn practical skills in industry environment

These objectives were achieved through the successful conduct of activities in collaboration with partner industries, few of which can be listed as:

- Signing of MoU with industries for enhancement of industry-institute interaction activities. During the Year 2020-21 ,05 MoUs are signed in order to provide Internship opportunities, placement Guidance, Online expert session to the students
- Around 93 students completed the 2 Months/3 Month/6-Month Full-time internships with mentoring and supervision by industry experts
- Industry experts on the decision making bodies of institute like Academic Board and Board of Studies
- Roll-out of inter-disciplinary elective course designed by industry body for seventh semester students
- Enhanced exposure to industry through deputing students for completing project work at industry under mentorship of industry experts, industry training of 2-4 weeks duration for third year students, supplementing the learning process

through industry designed certifications, proctor monitored online training modules and assessments, industry sponsored technical contests and competitions, interactive sessions and discussions with industry professionals, participation in industry webinars/meets for Principals, HOD's and placement officers

The impact of these focussed, consistent and well-designed efforts can be summarized as follows:

- Each BoS has minimum of two industry experts to put forward the industry point of view. The industry experts suggested to incorporate the recent trends and technology in the curriculum which makes the students highly employable
- The industry trend now is to allow the students to work as 'intern' for a semester before they are employed and the institute has fulfilled this requirement by bringing flexibility in the academic requirements by allowing the students to undergo Full-Time internship at industry during their Eighth semester - (93) students completed 'Internship Program' in 2020-21 and there are plans to offer the same to (120+) students in 2021-22.
- Industry ready students with high level of employability – the institute has consistently recognized as among the Top 10% institutes in the state in terms of employability of its graduates (as per the analysis by a leading National level assessment agency)
- https://gcoea.ac.in/?page=NjE=&name=T&P%20-%20Placement%20Report

File Description	Documents
Appropriate link in the institutional website	https://www.gcoea.ac.in/downloads/3_7_2.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Expansion of Centre of Excellence in emerging areas
- To establish Centralized Testing and Instrumentation Facility
- To provide facility and encourage students for Start ups and Incubation Centre
- To implement NEP to the best possible way

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