



## YEARLY STATUS REPORT - 2020-2021

### Part A

#### Data of the Institution

<b>1.Name of the Institution</b>	
	CHENDHURAN COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr.K.Ganesh Babu
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	04333294499
• Mobile no	7373755537
• Registered e-mail	admin@chendhuran.in
• Alternate e-mail	coe@chendhuran.in
• Address	Lenavilakku, Pilivalam(Po), Thirumayam(Tk), Pudukkottai(Dt).
• City/Town	Pudukkottai
• State/UT	Tamil Nadu
• Pin Code	622507
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>ANNA UNIVERSITY, CHENNAI</b>				
• Name of the IQAC Coordinator	<b>Dr. R.Ashokkumar</b>				
• Phone No.	<b>04333249666</b>				
• Alternate phone No.	<b>04333249666</b>				
• Mobile	<b>9791547316</b>				
• IQAC e-mail address	<b>admin@chendhuran.in</b>				
• Alternate Email address	<b>ceo@chendhuran.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="http://chendhuran.ac.in">http://chendhuran.ac.in</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://chendhuran.ac.in/ac2021.pdf">http://chendhuran.ac.in/ac2021.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B+</b>	<b>2.56</b>	<b>2017</b>	<b>19/07/2017</b>	<b>18/07/2022</b>
<b>6.Date of Establishment of IQAC</b>			<b>21/01/2016</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of IQAC			<a href="#">View File</a>		

<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10.Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
Dr.N.Sabarirajan department of mechanical engineering completed his Ph.D Viva voce examination under Anna University Chennai on 05-03-2021.	
Most of the feed back on syllabus and student satisfaction survey are collected from all stake holders through goggle form and better clearance was obtained.	
Many activies of acadamic and extra co curricular activities was developed through online mode and student, faculty and administrative people are trained for usage of online platform.	
<b>12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b>	

Plan of Action	Achievements/Outcomes
<p>Preparation of college level academic calendar and department level academic calendar which includes all IQAC coordinators level meetings, academic and non academic activities. It is advised to conduct the programs mentioned the academic calendar as per the government direction through online mode due to COVID '19 pandemic..</p>	<p>Many activities of academic and extra co curricular activities was developed through online mode and student, faculty and administrative people are trained for usage of online platform.</p>
<p>Quality initiative to enhance the value added program / certificate program / workshops/Seminars at departmental / inter departmental level in the Institution based on the facility provided by free online tools.</p>	<p>Maximum effort was taken to complete possible value added courses and certificate programs with available facility of online mode. Students and faculty are participated many programs through online.</p>
<p>Collect of feedback on syllabus from all the stake holders and also collect the student satisfying survey from all the students with action taken report. The mode of conduction of classes and exams are through online, it was proposed get the feed back system through online survey platform.</p>	<p>Most of the feed back on syllabus and student satisfaction survey are collected from all stake holders through goggle form and better clearance was obtained.</p>
<p>Quality initiative to involve in research work and try to get fund projects from government and non government sectors.</p>	<p>Dr.N.Sabarirajan department of mechanical engineering completed his Ph.D Viva voce examination under Anna University Chennai on 05-03-2021.</p>
<p><b>13.Whether the AQAR was placed before statutory body?</b></p>	<p>Yes</p>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
Steering Committee	08/02/2021

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2022	22/02/2022

**Extended Profile****1. Programme**

1.1	9
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

**2. Student**

2.1	43
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	234
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

2.3	92
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.Academic	
3.1	98
Number of full time teachers during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
3.2	98
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
4.Institution	
4.1	43
Total number of Classrooms and Seminar halls	
4.2	194
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	281
Total number of computers on campus for academic purposes	
Part B	
CURRICULAR ASPECTS	
1.1 - Curricular Planning and Implementation	
1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process	
<p><b>Preparation of Academic Calendar:</b></p> <p>At the beginning of each academic year, the academic calendar is prepared at the college level incorporating curricular, co-curricular and extracurricular events in alignment with the University academic calendar.</p>	

#### Library books Upgradation:

The library is informed of required textbooks, reference books and e-journals for the forthcoming semester/academic year. Effort are taken to update the effective usage of library resources.

#### Course Allocation and Preparation of timetable:

Courses are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Head of the Institute.

Class-wise time tables also include time slots for Projects, Industrial Training presentations, Seminars, counseling sessions & library. Time table for lab courses is prepared separately. Individual faculty time tables are prepared reflecting his/her complete workload.

#### Design and Dissemination of Course Plan and Course File:

Each faculty member prepares a detailed course plan including the text book(s), reference book(s), web resource(s) and ICT tool(s) to be used for each topic. It also includes the topics to be covered beyond the curriculum which is then disseminated to the concerned students after approval of the Head of the Department. Online material preparation and made ready.

#### Content Delivery:

Learner-centric techniques such as peer learning, collaborative learning, group discussion, video lectures, quiz etc., are employed to encourage students' active participation.

Faculties are prepare the tutorial sheets and their solutions for the mathematical subjects which includes previous university questions & other important questions in view of competitive examinations.

#### Reviews:

Periodical review on the coverage of syllabus and regularity of the students is taken by the HOD/Head of the Institute. Suggestions are invited for the improvement of the teaching-learning process through regular class committee meetings with Class Representatives.



File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	Nil

### 1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

An academic calendar is prepared by the institute at the beginning of each semester in line with the University's calendar consisting of various curricular, extra and co-curricular activities. The calendar is uploaded on college website, displayed on notice boards and is communicated to students through emails.

#### Compliance of Continuous Internal Evaluation with Academic Calendar:

1. Classes and Lab time-table - Time table Coordinator of each department prepares the time table as per the guidelines of affiliating university for the number of credit hours for each subject and the academic calendar prior to the start of the semester. Time-table is displayed on notice boards of every department.

2. Course files and Lecture Plan- After the allocation of subjects to faculty, course file of each subject is prepared consisting of detailed teaching plan. This course

file is duly approved by the Head of the department and institute.

3. Internal Examinations- The dates of CAT1, CAT2 and Model Exam are mentioned

in the academic calendar. Detailed Examination schedule is announced in advance, by

Principal, Exam Section Coordinator & respective HODs. In case of labs and projects, internal viva and practical exams are conducted by respective departments before/after the pre university examinations.

4. Question Paper Setting- The question paper of internal exams is prepared by concerned faculties and is approved by head of the department. The Principal selects question paper for common subjects out of a pool of papers prepared by all concerned faculties.



5. Exam sheets evaluation- The answer sheets are cross checked in each department to ensure transparent and unbiased evaluation.

6. Assignments and Quiz - In addition to the tests, assignments and quizzes are also the part of Continuous Internal Evaluation. Assignments are provided to students on the

scheduled dates mentioned in the academic calendar and solutions are submitted by students within three days. Every teacher conducts regular class tests consisting of MCQs on the related topic for practice and revision with the help of Google forms.

7. University Exams- The tentative dates for university exams are indicated in the academic calendar. The final university exam schedule is also displayed on students' notice boards.

8. Student feedback - At the end of academic session students submit their feedback for each subject through online feedback forms maintaining complete anonymity.

9. Academic Monitoring- Each Head of the Department maintains a monthly monitoring report on course coverage, student attendance and assignment provided for every subject. Remedial classes are conducted for weak students in mathematical/conceptual subjects.

10. Amendments- In case of unseen conditions, academic calendar is modified and revised as per the instructions of Principal of the Institute only.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	<a href="http://www.chendhuran.ac.in/ACC2020.pdf">http://www.chendhuran.ac.in/ACC2020.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.**  
**Academic council/BoS of Affiliating University**  
**Setting of question papers for UG/PG programs**  
**Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**  
**Assessment /evaluation process of the**

**D. Any 1 of the above**

<b>affiliating University</b>	
<b>File Description</b>	<b>Documents</b>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	No File Uploaded
<b>1.2 - Academic Flexibility</b>	
<b>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b>	
<b>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</b>	
9	
<b>File Description</b>	<b>Documents</b>
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
<b>1.2.2 - Number of Add on /Certificate programs offered during the year</b>	
<b>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</b>	
13	
<b>File Description</b>	<b>Documents</b>
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>
<b>1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year</b>	
405	

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The Institution integrates Cross-cutting issues of the society like Moral Values, Human

Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are inseparable part of the curriculum.

**Moral Values, Human Values & Professional Ethics:**

Twenty one days Induction programme related to values and ethics is an integral part of the curriculum of the first year. The course "Professional Ethics" Students will be able to understand the importance of ethics and values in their personal, social & professional life after studying these courses. It is in response to a long- felt and urgent need to integrate value education with decision making skills in their personal, social and professional life. College celebrates days of National and International importance as Republic day, Women's day, Independence Day, Teacher's day, Human Right Day, International Yoga Day etc. These celebrations nurture the moral, ethical and social values in the students.

**Gender Sensitization:**

The college has Women Grievance Cell and Grievance Redressal Cell to provide counseling to students, promote gender equity among students and also deal with related issues of safety and security of female students, staff and faculty. The college campus is secured with CCTV and high level security. There are separate Boys & Girls hostel (In-campus) for providing the safe environment to all students.

**Environment & Ecology:**

The course "Environment & Engineering Geo informatics application in Engineering " related to ecosystem, its balance & sustainability is

an integral part of the curriculum of the second year. University prescribed this course for creating awareness and developing importance of environment among students. Awareness about Environment is necessary for the protection of the environment and survival of human life. The basic aim of this subject is to make the students aware about the importance of ecosystem to human life. The College has an integrated rain water harvesting System. The waste water is reused for gardening in the college campus . There is an extensive ongoing tree plantation program. College celebrates the day of National importance as Earth day, Environment day and Ozone day. Keeping in view the environmental aspect.

The college organizes workshop/ seminars on Environment & Ecology to make students aware about efficient use of natural resources.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

### 1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

10

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 1.3.3 - Number of students undertaking project work/field work/ internships

77

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

#### 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	<a href="http://chendhuran.ac.in/feedbackccet.pdf">http://chendhuran.ac.in/feedbackccet.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

**1.4.2 - Feedback process of the Institution may be classified as follows**

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="http://chendhuran.ac.in/feedbackccet.pdf">http://chendhuran.ac.in/feedbackccet.pdf</a>

#### TEACHING-LEARNING AND EVALUATION

##### 2.1 - Student Enrollment and Profile

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

43

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

**2.1.2.1 - Number of actual students admitted from the reserved categories during the year**

33

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

1. Based on school level education and other skills, initially the students are group slow learners and advanced learner.

2. At institute level special emphasis on improving the performance of slow learners by providing remedial programmes which are conducted outside regular classes. Separate care are taken for students who have failed in the exam where the faculty spares time to sit with those students individually to cope up with the subject. Through a mentor-mentee system also all kinds of support are provided to the slow learners. The strenuous efforts taken by the faculty towards the slow learners has resulted in students' understanding in their chosen domain, improved results and pass percentage. The mentor takes extra effort to understand the socio-economic backgrounds also which is sometimes a reason for poor performance. All necessary emotional and professional counseling is also provided whenever required. The mentor also connects the weak learners for the subject teachers with whom they are comfortable for extra support. Parents of students are informed in case of poor academic performance and psycho-social problems whenever necessary. Advanced learners are given opportunities to be part of innovative



projects and other technical initiatives of the institute. They are also given an opportunity to be office bearers of student council and various professional bodies and lead professional activities at University and National Levels. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities which goes a long way in achieving success in their professional career. They also help slow learners through peer learning. They are also part of the institute's social responsibility where they support the faculty members by teaching and providing skills to the underprivileged students.

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

### 2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
234	98

File Description	Documents
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

For enhancing learning experiences the faculty members adopt many ways, for example, lecture method, interactive method, project and field work method, computer-assisted method, experiment method etc. Teaching and learning activities are made effective by these practices many teachers use power point presentations and computer-based materials. For, they use the lectures of you-tube to make learning interesting besides the conventional oral presenting methods. Some Student centric methods are given below: Project methods: The project work stimulate student's interest on the subject and provide student an opportunities of freedom of thoughts and free exchange of different views. As per the requirement of syllabi, the project work is done. Interactive methods to be followed the faculty members make learning interactive with students by motivating student participation in group discussion, role-play,



subject quiz, news analysis, educational games, discussion and questions and answers on current affairs, etc. Class room discussion in various topics are done under features. Especially, NSS, Political science department and sociology department organize interactive methods many times in a year. ICT Enabled Teaching: ICT enabled teaching includes Wi-Fi enabled class rooms with LCD, Language Lab, Smart Class rooms, etc. The institution adopts modern pedagogy to enhance teaching-learning process. The institution has the essential equipments to support the faculty members and students. Experimental/Laboratory method is used in all subjects to acquaint the students with the facts through direct experience individually. The Student seminars are organized where in the papers are presented by students on contemporary topics to enrich their learning experience. Summer Internship Program: Group Learning Method: Group Learning method is now being adopted through whatsapp group. Student share their notes and study material through this method. Whatsapp group are made by an student or by the contract teacher. They share the information to each other.

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

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

In the classrooms and labs are ICT enabled with projectors installed and the campus is enabled with high speed wifi connection. The faculties are uses the various ICT enabled tools to enhance the quality of teaching-learning like 1. Google classroom is used to manage and post course related information- learning material, quizzes , lab submissions and evaluations, assignments, etc. 2. Virtual labs are used to conduct labs through simulations MANY COURSES. 3. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process. 4. The online learning environments are designed to train students in open problem-solving activity. 5. Media lab facility is used to create video lectures and upload in appropriate platforms for students to use as extra learning resources. 6. Lab manuals are mailed to students well in advance the experiment is performed. 7. Online quizzes and polls are regularly conducted to record the feedback of the students. To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in

Microsoft teams, Jamboard in Google meet, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year )

#### 2.3.3.1 - Number of mentors

90

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	No File Uploaded
Mentor/mentee ratio	No File Uploaded

### 2.4 - Teacher Profile and Quality

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

98

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

#### 2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

##### 2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

1

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<a href="#">View File</a>

### 2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

#### 2.4.3.1 - Total experience of full-time teachers

316

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The invigilator is expected to be tactful while dealing with complex situations and not to disturb the tranquility in the exam hall. In case of any problem he/she may bring the matter to the notice of the Examinations Coordinator (EC). Generally, scheduled forenoon session Examinations start at 10.00AM and afternoon session examinations start at 2.00PM. Invigilator should arrive at the venue at least 30 minutes before the start of the examination. Candidates are permitted to leave the examination hall only after one and half-an-hour from the commencement of examination. The students submit two assignments through online due to covid '19. Due to covid'19 Situation, the routine examinations CT-1, CT-2 & Model Exam were Conducted through online mode. Different platform such as gmail and google class room are used to conduct the examination at correct manner. The Question papers are sending through the electronics platform and the answer scripts are received from the same platform. The University examination was conducted through online mode at the platform of google class room.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

As per the University direction, there is a standard process of internal examination in the college. According to the academic calendar, a student has to appear in 2-cycle test and 1-model examinations. The schedule of the internal examination is decided at the beginning of the session, in the form of academic calendar. According to the academic calendar, a teacher have to take unit test, which may be in the form of written test, black-board presentation, power-point presentation, quiz on subject or by other method, which the subject teacher decides. The marks of unit test are shown in the classrooms and each student can ask about its performance. They can observe their test copies. Record of obtained mark is written in register. If there is any difference or discrepancy in their marks, it can immediately be corrected. The test copy of unit test and quarterly test is shown to students for their observation. The test copy of one student is allowed to interchange for observation to other student, at the time of distribution of the answer-sheet in the class rooms. The concerning subject teacher keeps the record of all internal exams, e.g., unit-test, quarterly exams and model exams, if it is not secret in the university level. The mark of model examination is sent to the university, as it is a secret data. Its marks are not shown to students. The 10% internal mark of each paper in the model examination is sent. After showing the answer sheet to students, the copy of the student is kept in the internal-examination section. One may observe the marks and copy in the same session.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

## 2.6 - Student Performance and Learning Outcomes

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

Program Outcomes (POs): It represent the knowledge, skills and attitudes the students should have at the end of a course completion of their respective engineering program.

Course Outcomes (COs): It gives the resultant knowledge and skills the student acquires at the end of each course. It defines the cognitive processes a course provides.

Program Specific Outcomes (PSOs): These are statements that defines outcomes of a program which make students realize the fact that the knowledge and techniques learnt in this course has direct implication for the betterment of society and its sustainability.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and course outcomes are communicated to the stake holders of the program by the following procedures. POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting. During the class committee meeting and faculty meeting POs and PSOs are reviewed among the students and staff members. Vision and Mission of Institute and department are informed to the parents during Parents Teachers Meeting. Course Outcomes (COs) are framed at Department advisory board meeting. Department advisory board frames course committee for each courses with course handlers along with one subject area expert. The course outcomes and their mapping with program outcomes and program specific outcomes are elaborately discussed and derived by the course committee members. Even though the COs are given by the Anna University along with the syllabus, if necessary, the COs are modified and reframed by the course committee members (CC). COs are communicated to the students during the introduction class itself. COs along with lesson plan are printed and issued to the students during the first class. During the discussion of the course, the outcomes of the course are also focused. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed.

### 2.6.2 Monitoring the progress of the students and communicating them during the progress of the course

During every class hour an environment is provided where teacher closely interacts with the students and the student freely expresses his difficulties. Assignments are provided in between the internal and class tests and the performance of the students in them indicates if the student has assimilated knowledge about the subjects that were taught. The three internal test mark indicates the performance of students. The college through individual department communicate to the parents the marks the student has earned during the three internal tests so that the parents are aware of the performance of their wards and corrective actions can be initiated by their parents. Based on performance of students in three internal test and model exam internal marks are allotted for each student through Anna university



web portal entry. Students can check the internal mark by log in with their student id in anna university website (coel.annauniv.edu) The average pass percentage of the class in the end semester examination is also an indication of the general progress of the class as a whole.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution. Response: We offered Under Graduate, Post Graduate and Research programs and courses under the Faculty of Engineering. For these programs and courses, the institute followed the curriculum designed by our affiliated university. The Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution and the same are communicated to the students in the formal way of the discussion in the classroom and departmental notice board. After measuring attainment of POs , PSOs and COs, it has been observed that the strength of the students as well as passing percentage of the students is increasing progressively. Besides, students' progression to the higher studies that is from Under Graduate to Post Graduate seems to be increasing consistently and rapidly in the last five years. In a similar way, the ratio of students' placement is also increasing. We took utmost care of measuring the level of attainment of POs, PSOs and COs and followed formal as well as informal mechanism for the measurement of attainment of the outcomes. Even we took feedback from all the stakeholders in this respect and try to take necessary steps accordingly. Subsequently, the College took care of the attainment to measure the POs, PSOs and COs and implemented the mechanism as follows:- The institute followed the Academic Calendar of affiliated university. All the subject teachers maintained Academic Diary in every academic year. All the subject teachers prepared Semester-Wise evaluation Reports. Internal examination committee analyzed evaluation reports of results. Placement committee took the review of the Students' Progression to Higher Studies and their Placement.

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

### 2.6.3 - Pass percentage of Students during the year

#### 2.6.3.1 - Total number of final year students who passed the university examination during the year

172

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
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)

<http://www.chendhuran.ac.in/SSS.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Resource Mobilization for Research

##### 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

###### 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0



File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

### 3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

#### 3.1.2.1 - Number of teachers recognized as research guides

2

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

### 3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

#### 3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

## 3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Institution provides healthy atmosphere, infrastructure, resources, confidence for enhancement of the capacity and competencies of

students and teachers in research and innovative activities. All innovative and extension activities are student centric. Various activities are conducted to nurture and nourish youth's minds. These activities help students to understand the various problems faced by the society. It enables them to find out solutions on them. In the institution there is N.S.S. Sports Skill and Entrepreneurship development centre through which students and faculty members are encouraged to undertake innovative activities which are helpful for creation and transfer of knowledge and social interaction. Activities conducted by these are helpful to develop leadership qualities, various skills, planning, budgeting, marketing and organizing. N.S.S. conducted various activities in innovative ways, tree plantation, Swachh Bharat Abhiyan, awareness programmes about cleanliness construction of toilets, News paper clippings are displayed and students are made to express their views and participate debates on it. Various competitions essay writing, debating, elocution, booktalk are organized to bring out the hidden potentials of students. Eminent personalities who have significantly contributed in research, social activities, industries, are invited as resource persons. Workshops and seminars are conducted on ICT which have proved helpful to the rural students. It has raised their confidence and expanded their horizons of creativity. Principal and two faculty members are research guides. They encourage students and teachers to undertake research activities. Seven faculty members have completed minor research projects. It is usual practice of the institution to allow admissible leave facilities to attend seminars workshops training programmers etc. Adequate provision is made for library to procure books and journals e-journals references. Library is equipped with modern technologies. This is helpful for creation and transfer of knowledge.

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

### **3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

#### **3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

5

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 3.3 - Research Publications and Awards

#### 3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

##### 3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

##### 3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

11

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

#### 3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

##### 3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

5

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute promotes regular engagement of faculty, students and staff with neighborhood community for their holistic development and sustained community development through various activities. Every Year, programme are organized under which students and staff participate voluntarily in community based activities with neighborhood. Various awareness programs, workshops, rallies and road shows with themes like cleanliness, green environment & tree plantation, gender sensitization, traffic rule awareness, demonetization and digital payment, and empowerment of girls and women; and help acid-attack survivors are organized. Continuous voluntary activities by students to maintain cleanliness in and around the Campus, create awareness about the role of clean environment in human health, More than 10 Blood Donation camps have been organized. Awareness of Legal Rights. Awareness of Oral Health (Aim to Terminate Tobacco and Cancer). Health Checkup Camp Impact & Sensitization: Exposure to extension and outreach activities sensitize the students towards social issues and also to legal and social remedies for matters like domestic violence, dowry, child abuse, beggars, female child, victims of violence, old and infirm, refugees and displaced persons etc. The activities conducted lead imbibing the values of social responsibility such as: 1.To help people in need and distress 2.To understand and share the need of under privileged children 3.To promote cleanliness in all span of life and common places, Juggi areas. 4.To acquire social values and a deep interest in environmental related issues. Learning outcomes of the activity:

1.Enlarge the knowledge of societal issues and problems and to search solution by getting involved with their lives.

2.Build up relation and tie up with organizations/NGO to carry forward humanitarian work in future.

3. Develop a passion and brotherhood towards community, affected people/animals and destitute.

4. Develop skill and aptitude for problem solving.

5. The skills developed include social skills communication skills, management skills, leadership skills, analytic skills, perceptual skills etc

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

**3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year**

**3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year**

1

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year**

**3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

4

File Description	Documents
Reports of the event organized	No File Uploaded
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

#### 3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

290

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.5 - Collaboration

#### 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

##### 3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

73

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

#### 3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

**3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year**

10

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

**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 equipment etc.

The College created with a well maintained lush green campus spread over 13.7 acres of land ensuring adequate availability and optimal utilization of physical infrastructure for teaching learning and extra and co curricular activities.

**Classrooms:**

College encompasses sufficient number of well-furnished, well ventilated, spacious classrooms equipped with LCD projectors per departments for conducting theory classes and various program related to teaching learning.

**Technology Enabled learning facility:**

The college has ICT classrooms where the provision of multimedia learning tools, Wi-Fi connectivity and internet access for all digital class rooms in each department.

**Seminar Hall:**

The college has seminar halls in each floor of both buildings. These halls are regularly used for conducting national / international seminars at the college. The students are promoted for active involvement in paper presentations, group discussions, etc.



**Tutorial rooms:**

Each department is provided with separate tutorial rooms in the college campus for tutorial lecture, doubt clarification and special remedial classes both weak and needy students.

**Laboratories:**

All laboratories are well equipped with state of the art equipment and facilities. All the laboratories are established as per AICTE and Anna University, Chennai norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus.

**Wi-Fi:**

The entire campus is Wi-Fi enabled with 24/7 internet facilities to the students and staff.

**Available band width:**

50 mbps. Internet facility is available in whole campus including labs, classrooms, library, offices of all departments.

**Library:**

The institute has library is fully computerized by automating the issue of books with bar code reader. The library has 27976 titles covering all major fields of Science and Engineering. Excellent Resources are available for self-learning at library Access to library and books. Library has a collection of 27976 books covering all major fields of science and engineering. Access to NPTEL Video/Web Course (511 Title Video. & 418 Title Web) Membership of National Digital Library. Local chapters of NPTEL. Access to popular Digital libraries like IEEE. Explore, Springer Nature, ASCE, ASME, Elsevier, Science Direct, Taylor Francis etc., National Digital Library. Access to CDs, e-journals through multimedia computers with internet connectivity in order to encourage online learning- Library has 126 journals.

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, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

The institute having a well maintained campus spread over 13.7 acres of serene green land. Management believes in the all-round development of our students. There is a continuous and appreciable encouragement for the students to participate in sports and culture activities simultaneously and thus they are awarded and rewarded accordingly. Spacious and well equipped Sports room, where pupils can play in door games like table tennis, chess, caroms etc., Separate yoga class room where arranged for students and faculty members do meditate and even practice yoga. Qualified Physical Directors are been appointed to take care of day to day games and sports activities of the student and staffs of the institute. Sports event competitions are conducted in the interdepartmental level in an academic year and the winners are awarded and rewarded accordingly. The outdoor games such as shuttle badminton, volley ball, throw ball, cricket, football, kabaddi, hand ball, kho-kho etc., are well practiced and played by the students.

#### Cultural Activities:

Students are very much encouraged to participate in the cultural events held in the college like Technical fests, Freshers, Annual Sports Day, Annual Day, Farewell etc., to exhibit cultural talents. Students are encouraged to participate various clubs/ Committees to enhance the hidden talent of them namely: Cultural Committee and Sports & Games Committee who play an excellent role for over all development of the student's community.

File Description	Documents
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 such as smart class, LMS, etc.

6

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

##### 4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

194

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

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

The Library plays a vital role in enhancing the quality of academic and research environment in Education institutions. The institute installed with digital library software to utilize all the stakeholders. The Institute library is a place in the Institute where huge collections of academic books, journals, magazines, research projects, rare books, other knowledgeable books and newspapers are kept. These books are made available to the students to increase their knowledge and understanding on various subjects. In the library student can check out books, collect the data for their research, find a quiet place to study, and maybe even flip through magazine. The students can extend their search with use of internet, e-books, e-journals etc. made available in the digital

library. The Institute library exhibits positive impact on the academic achievement of the student. Students can perform better during examination and placement as students are explored to the knowledge through various means.

#### Library Services:

Library provides different types services to the student and staff members such as:

1 Books, e - Books, Journals, e- Journals, Project & CD Access.

2 Reference section with knowledgeable books

3 News Papers and magazines.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	Nil

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

**B. Any 3 of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	No File Uploaded

**4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)**

**4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)**

9042028

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Number per day usage of library by teachers and students ( foot falls and login data for online access) (Data for the latest completed academic year)

##### 4.2.4.1 - Number of teachers and students using library per day over last one year

175

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	No File Uploaded

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

There are different digital technological facilities available in the college. There are 06- digital smart classrooms; A well equipped computer lab is also functioning in the college. The students of the college are access to the computer lab. The whole college building such as academic building, civil and mechanical buildings are facilitated with the Wi-Fi connectivity. There is open access of Wi-Fi connectivity to all student and the staff members of the college. All the departments of the college are provided with computer and other related accessories. All teaching and non teaching staff members are used the ICT in the classrooms and laboratories, whenever needed. The different educational sites are shown to the students with the help of digital device. Most of the official work is being done with the help of ICT. The college regularly maintains the IT facilities. Following are some basic facilities for updating: Computer is formatted and maintaining in regular basis. CCTV is installed in every department teaching area and other locations where ever needed. The institute installed with digital library software to utilize all the stakeholders. The institute enabled with electronic billing and account auditing software to ensure easy and fastest delivery of transactions.

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

**4.3.2 - Number of Computers**

281

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution** B. 30 - 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

**4.4 - Maintenance of Campus Infrastructure**

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

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

194

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>



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

Computers are available for specific use in some departments. The teachers liberally take help of the ICT resources to enrich their prescribed curriculum with the help of internet. The college has adequate computer facility for its faculty. Faculty members are provided with computers with internet browsing facility for preparation of teaching/learning materials in their respective departments. Also Multimedia projectors, OHPs are available within the college for the faculty use. The college also has seminar halls equipped with projectors and are available as and when requested by particular teacher. The college also has a multi media hall. Internet facility and Library is thrown open to faculty members for learning materials. Also the faculty is provided with Audio-Visual aids which facilitate multimedia teaching. The institution has always been placing the students at the centre of the teaching learning process. The vision and the mission of the institution have always been to provide holistic knowledge to its students. Keeping the students' learning at the centre of everything, the college understands that the teachers have to be reoriented from time to time. The times have changed. So has changed the way of imparting the knowledge. Use of technology has become very vital in imparting quality based education. The institution encourages the staff to undergo training on the computer-aided teaching and training. The college also has been conducting week-long sessions, in tune with the orientation courses, for the college faculty on the use of computers. The computer department also organizes training sessions on the use of Internet for learning resources. Well equipped computer Labs, LCD and OHPs are available to the faculty for computer aided teaching. The computer faculty is always available for any need based assistance in the use of ICT. Regular maintenance activities are carried out in both buildings and department laboratories. Annual stock verification is carryout every semester to upgrade the laboratories and facilities. According to the curriculum, the laboratories are updated every semester. Depends upon the manufacturer recommendation, the equipments are serviced at periodic interval to keep the sensitive calibration. As and when required, the institution takes up calibration and other servicing measures for the equipment/instruments through suppliers and service personnel periodically and in some cases through annual maintenance services. The departments maintain the complete records of such services. Necessary precautions are taken depending on the equipment before installing them. • Stock registers and service requests are maintained in corresponding registers. • Water supply provision is made near needed equipments/lab and 24 hour water supply is ensured.



- Periodic maintenance and calibration of the equipment from suppliers, is made on demand.

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 benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

414

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

##### 5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

159

File Description	Documents
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View File</a>

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

B. 3 of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

**5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

187

**5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year**

187

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)	<a href="#">View File</a>

**5.1.5 - The Institution has a transparent mechanism for timely redressal of student**

C. Any 2 of the above

**grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

167

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 5.2.2 - Number of students progressing to higher education during the year

#### 5.2.2.1 - Number of outgoing student progression to higher education

4

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

**5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**

**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

0

File Description	Documents
Upload supporting data for the same	No File Uploaded
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	No File Uploaded

**5.3 - Student Participation and Activities**

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

**5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.**

22

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms )

The institutional growth constitutes all major stakeholders, students are the prime. Utilization of the support and ideas of the students is the paramount requirement for the prosperity and well-being of the institute. CCET in particular strives to build a relation of mutual respect and inculcate a sense of pride amongst the students to their pride of learning institute.

Students are given exposure to involve in administrative, co-curricular and Extra curricular activities by including them as members of the committees. They actively participate in committee meetings. The following is the list of Committees having student representation and engagement.

1. Class committee
2. Sports Committee
3. Internal Quality Assurance Cell
4. Anti-Ragging Committee
5. Anti Sexual Harassment Committee
6. Grievance Redressal Committee

Functions of various committees are as follows:

#### 1. CLASS COMMITTEE

Every class shall have a class committee consisting of teachers of

the class concerned, student representatives and a chairperson, who is not teaching the class. It is like the 'Quality Circle' (more commonly used in industries) with the overall goal of improving the teaching learning process. The functions of the class committee include: Solving problems experienced by students in the class room and in the laboratories. Clarifying the regulations of the degree programme and the details of rules..Informing the student representatives, the academic schedule including the dates of assessments and the syllabus coverage for each assessment. Informing the student representatives the details of Regulations regarding weightage used for each assessment. In the case of practical courses (laboratory / drawing / project work / seminar etc.) the breakup of marks for each experiment / exercise / module of work, should be clearly discussed in the class committee meeting and informed to the students. Analyzing the performance of the students of the class after each test and finding the ways and means of solving problems, if any. Identifying the slow-learners, if any, and requesting the teachers concerned to provide some additional help or guidance or coaching to such students.

## 2. SPORTS COMMITTEE

- To promote sport and fitness.
- To raise awareness of sporting, leisure facilities and achievements.
- To promote participation in sports among students and staff.
- To enhance student's sportsmanship and commitment.
- To assess existing clubs and facilities

## 3. INTERNAL QUALITY ASSURANCE CELL

- Setting quality benchmarks with consistent work.
- Creating parameters to reach academic as well as non-academic learning goals.
- Creating a student-centric teaching-learning environment.
- Enabling faculty to efficiently use edTech tools for innovation in education.



#### 4. ANTI-RAGGING COMMITTEE:

Nomination of student and parents as Member of Anti-Ragging committee promotes an ambience conducive for the Institute to be a ragging-free campus. Internal Complaints Committee: Girl Students' representation facilitates to investigation into the information against the complaints launched, if any.

#### 5. ANTI SEXUAL HARASSMENT COMMITTEE

- To provide conciliation to settle the matter between her and the respondent.

- Conduct inquiry within the time frame (90 days) as prescribed in the Act.

- Prepare inquiry and settlement reports & submit the same to the Director.

- Ensure confidentially in conciliation proceedings and conducting inquiry as well

as in keeping records.

- Easy accessibility

#### 6. GRIEVANCE REDRESSAL COMMITTEE

The objective of the Grievance Redressal Committee is to develop a responsive and accountable attitude among all the stakeholders in order to maintain a harmonious educational atmosphere in the institute. The Committee formally meets to review all cases, prepares a statistical reports about the number of cases received, attended to and the number of pending cases, if any, which require direction and guidance from the higher authorities.

#### 7. NSS

Institute has set up NSS to sensitize students towards societal issues and community services, activities of which are mainly carried out by the students.

#### 8. ALUMNI ASSOCIATION:

Alumni Association is in place to strengthen the relationship amongst alumni.

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

### 5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

#### 5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

47

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The Alumni Association acts as a link between the students, staff and management. It is moving ahead, with selfless intentions for the growth and development of the institute and the students. The association provides a platform for interaction between alumni, present students, faculty of the institute and institute administration. It has contributed significantly to do the innovative projects for help their juniors.

- Various social welfare and awareness activities organized by the institute such as Tree plantation, Blood Donation Camp, Free Medical and eye test camp, Covid Vaccination drive and many more were implemented to create self-reliance among the present students and especially the poor and the needy.
- They have provided career and vocational guidance for

professional and career development.

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

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	<b>E. &lt;1Lakhs</b>
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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 and in tune with the vision and mission of the institution

The vision and mission of the institute framed to serve the rural students betterment. The governance of the college in lined with the coal of the vision and the mission of the institute. The institute vision and the mission are as follows:

#### MISSION

To carry out a practice to move ahead in knowledge in a meticulous academic and research environment and attract people in a gratifying and inspiring atmosphere by nurturing liberty, empowerment, ingenuity and novelty and to raise students and research scholar to serve humanity by attaining high levels of academic excellence, professional competence, exemplary values and spiritual empowerment.

#### VISION

To emerge a top - notch institution in creating and disseminating knowledge, and providing students a unique learning experience in engineering and other areas of scholarship that will best serve the world and betterment of mankind. The institution will strive to serve the rural students and fortify the downtrodden.

#### GOALS AND OBJECTIVES

- To achieve academic excellence for rural students growth.
- To ensure the quality of education for all students and also arrange the placements for all.
- To develop leadership and management qualities.
- To develop all round personalities of the students and upliftment of the faculty.
- To provide orientation to students towards research and development of the individuals.
- To promote the faculty members to carry the research work and funded projects.
- To ensure that the institution is efficiently managed and administered the college follows a time tested and successful as well as a competent secretarial constitution comprising of:
  - The Management
  - The Principal
  - The IQAC Coordinator
  - The Heads of the Departments
  - The Faculty Members

The development of the institute is depends on promotes a culture of participative management at all levels right from the students up to the members of faculty. The student and faculty are the representative's members of the following committees.

- Anti- Ragging Committee
- Class Committee
- Sports Committee

The involvement contributes towards improvement in academic, ragging free campus, empowerment of women.

Following are the other activities involved in the institution:

- Research center
- Institute Industry partnership Cell
- Internal Quality Assurance cell
- Entrepreneurship Development Cell
- Women Empowerment Cell

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

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

#### **IQAC Committee**

- The Internal Quality Assurance Cell is started to monitor the quality of services being provided by the institution to its stakeholders.
- An IQAC committee is formed and approved by the governing body to take care of quality assurance strategies and processes.
- Reviewing of the quality policy is done once in every semester and their vision is placed when required by the IQAC committee.
- Parameters related to enhance the quality the institution like workshops, conferences, FDP's, paper publications, innovations in teaching and more are considered after the approval of IQAC Committee.

#### **Academic Committee**

- To formulate schemes for students development, training etc.
- For counseling of a group of student's including slow learners & implementing schemes for them.
- Monitor different Quality Initiatives such as academic audits, Faculty Development schemes, student's performance etc.

#### **Research Committee**

- Analysis project/ research proposal for AICTE and other agencies.
- Enhancement of research facilities.

#### **Training & Placement Committee:**

- The Central T & P Committee plays a very important and key role in getting students their dream placement through on campus drives and guiding the students for their successful Career Placement.
- It is a crucial interface between the stages of completion of academic program of the students and their entry into avenues of suitable employment.

#### **Alumni Committee**

- Alumni Committee functions to strengthen the relationship between the institute and its alumni.

- Well-built Alumni base is one of the formidable strengths for any institute.
- Thereby, committee acts as a platform where the existing students and the alumni can interact for healthy & meaningful careers.
- The prime objective of this committee is to foster relations between the Alumni and the Institute and strengthen the bond between Alumni and current students.

#### Discipline Committee

- Recommends Installation of CCTV cameras at desired places and other measures to maintain the discipline.
- Responsible for the entry of the students only with I-cards and proper uniforms.
- Keep an eye on every possible activity in college to maintain proper discipline in the college.

#### Cultural & Sports Committee

- Manages all the cultural events from their planning to their execution throughout the year. Prepares database of students interested in various activities.
- The principal clearly demarcates the responsibilities assigned and maintain a track of functioning and progress of various activities.
- Responsibility of procuring all types of sporting inventory as per requirements.
- Maintaining the inventory of distribution sports stuff to the students on daily basis.

#### Anti Ragging Committee

- To overview and ensure that there is no ragging in the campus including hostels (inside & outside) and during transportation for the Institute.

#### Maintenance Committee

- The purpose of the maintenance committee is to oversee maintenance, repairs, and general upkeep of the coop's buildings, property, common areas and grounds.
- The committee advises, supports, and makes recommendations to the board of directors on all matters of facilities management and maintenance.



**Class Committee**

- The Class Committee enables more students to participate in the management of their class by: exercising the responsibility of maintaining good order in the class and college, organizing and leading the class in the various class activities and college platforms.

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

**6.2 - Strategy Development and Deployment****6.2.1 - The institutional Strategic/ perspective plan is effectively deployed**

Over the past 14 years the college has shown tremendous growth. If this is to be sustained, strategies must be formulated, communicated and implemented effectively. Both perspective and strategic plan documents are available in the institution. The following plans are projected after a discussion on the basis of analysis, assessment and estimates. Keeping in mind, the short term, medium term and long term development plans, the college always adopts a bottom-up approach with a strategic directive given from the top administration management.

**Strategic Plan:**

To maintain continuously good academic performance.

To develop and execute effective teaching- learning process.

To encourage research culture in faculty and students.

To develop a comprehensive system of student mentoring and student support and ensure transparency in evaluation process of students.

To empower faculty about emerging trends in their profession for academic advancement.

To facilitate a friendly, efficient and flawless administrative set up ensuring a smooth day to day functioning.

**Implementation:**

Extension activities were carried out through Y, RC, NSS.

Staff Development Programmes were conducted and permitted to attend to enhance the skill and knowledge of the teaching and non-teaching staff.

More students from the socially deprived society were admitted with nominal fee, merit scholarship.

The college established functional Memorandum of Understanding with various organizations for skill development training.

Motivate all the Faculty to enroll on PhD and getting funded projects on 2021.

To encourage the students participating in co-curricular/ extracurricular activities.

To encourage the Faculty for Paper publishing & UGC approved national and international journal Publishing.

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 institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The overall planning and development of the institution is done by the Board of Management under the President ship of the Provincial and locally executed under the directions of the Principal of the College.

The day-to-day administrative affairs of the college are managed by the Executive Board of Management, the Principal and the Head of the departments is members, and assisted by the Administrative Committee consisting of experienced members of the faculty.

The Chief Executive Officer (CEO) is the administrative head of the institution shouldering the responsibilities of administration, appointments and infrastructure, for the growth of the institute.

The Principal is the academic head, ensuring the proper conduct of all the academic, research and extension activities.

The Statutory Bodies are constituted and meetings are conducted as per the UGC, AICTE, DOTE, Anna University State Government and University guidelines.

The Board of Management nominates other academicians and experts in to these Bodies to strengthen the functioning of the College.

The programmes, courses and activities are periodically evaluated by the College and reported in the appropriate Bodies for proper implementation.

There is a written Job Description for each office and given to the officials at the time of appointment.

The office of the Examination cell has compiled all the rules and regulations of the evaluation system under Anna University, Chennai.

The Management encourages the faculty to participate in various committees. This enhances the leadership qualities and skills.

The Grievance redressal committees have been formed for both staff and the students. The power delegation and decentralisation of authority enrich the effective and efficient functioning of the institution in all its spheres of planning, decision-making and implementation.

The Management plays a crucial role in enriching the bottom-up approach in planning and execution of various academic activities.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	No File Uploaded

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

C. Any 2 of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

#### I. Welfare measures for teaching staff:

##### 1. Employees Provident Fund as per PF rules:

All the teachers are given PF benefits right from the day of their joining in the college. This is done as per requirements by AICTE and keeping in view the financial safety of employees or their dependents.

##### 2. Encouragement faculty for doing part time Ph.D:

All faculty members in this category are given on duty when they go for consultation with their guides They also sent on duty for appearing their examinations as well. This is a satisfying experience to the management.

##### 3. Medi claim-Health Insurance

The college has provided the health insurance policy for all the employees without any contribution from the employees in this regard. The students are also covered by insurance and the commitments of the college every year. ESI provides medical benefits as well as other benefits as the college is providing the premium for all the employees.

##### 4. Maternity Leave

The women employees are extended the maternity leave as per the service rules of the institution.

6. Free health check-up camps are organized by the medical centre of the college with the help of many corporates in Medical sector.

7. There are many non-teaching technical staff who have improved their qualifications with the help of the college on part time.

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

**6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year**

**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards 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)	<a href="#">View File</a>

**6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**

**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

0

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	No File Uploaded

### 6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

#### 6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

15

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

### 6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

#### Response:

The institution has performance based appraisal system for the assessment of teaching and nonteaching staff. The appraisal report is based on the annual performance of the employees on the basis of their academic, research and other extra- curricular activities.



**Performance appraisal system for teaching staff:**

The teacher, as a person and teacher as performer, is also one of the mandatory assessment for his/her performance is appraised through his/her implementation of innovative methodologies in classroom lectures, seminars, tutorials, course delivery, question paper setting and evaluation, updating of materials etc. Besides, student feedback and pass percentage of the course are also considered. The performance of the faculty is evaluated based on professional contribution to academics, contribution to short term training courses, performing invigilation duties, contribution to College administrative bodies such as college academic council, Research and development, and planning, NAAC, etc. The above set performance appraisal report is filled by employee in a given prescribed proforma which includes all the above set related to points and sub points. Filled in the prescribed format is revised by HOD to assess the attitudinal / behavioral / professional aspects of the faculty concerned.

**Performance appraisal system for non- teaching staff:**

A few strategies are observed in appraising non-teaching staff's performance this includes technical contribution of individuals such as subject knowledge, awareness, productivity, quality, innovation willingness to learn, diligence etc. besides they also assess the behavioral aspects like group behavior, acceptability, punctuality etc.

File Description	Documents
Paste link for additional information	Nil
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 Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

**Response:**

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted half yearly by the internal financial committee of the institution. The

committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal. External audit is conducted once in every year by an external agency.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non - recurring expenses like lab equipment purchases, furniture and other development expenses.

The expenses will be monitored by the accounts department as per the budget allocated by the management.

The depreciation costs of various things purchased in the preceding years are also worked out.

Process of the internal audit:

All vouchers are audited by an internal financial committee on half yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the principal. The same process is being followed for the last five years.

Process of the external audit:

The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

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

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

##### 6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

###### 1.01

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

##### Response:-

Sources of funds are as follows:

##### 1.Fees:

Fees charged as per the university and government norms from students of self financed courses.

##### 2.Scholarship Grant:

All the eligible students are receiving PMSS, FG and other scholarship from government.

Our resource mobilization policy and procedures are as follows:

- The Principal and management takes care that purchases are done properly and in accordance with the rules.

- The College Development Committee takes a review of the mobilization of funds and the utilization of these sources periodically in their meetings.
- Regular internal audits from the chartered accountant and external audits from the government make sure that the mobilization of the resources is being done properly.
- The principal and IQAC coordinator looks after the proper utilization of classrooms and laboratories.
- The management, principal and HOD's are takes care that the resources in library are utilized optimally.
- Campus cleanness and its utilization is monitored by the Campus Cleanliness and Beautification team.
- To ensure the optimum utilization of resources, the management and principal issues directions.

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

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

The IQAC Cell of the college works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the new self-finance courses. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback. The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives: Strategic planning of key areas and assigning responsibilities -

1. Academic results
2. Student technical training

### 3. Student soft skills development

#### 4. Placement support

#### 5. Students welfare

#### 6. Research and development

#### 7. Interaction with industry

Monitoring and mentoring of academic and administrative activities. Academic inspections are carried out periodically to assess the quality of academics. The inspections involve:

1. Review of healthy academic practices
2. Mechanisms to identify and reform academic practices
3. Review of departmental facilities
4. Facilitate implementation of innovative methods in the departments
5. Self-development of faculty members.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

After establishing the IQAC in the college, started working towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows:

- Promote industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.

- Implementation of Outcome-based learning education in each program.
- Introduces the aptitude classes and soft skill classes for students to enhance personality and employability.
- Participation of college in NAAC and AISHE, and various other quality audits recognized by the state, national and international agencies.
- Conducting quality programs i.e., seminars, webinars, guest lectures, conferences, etc.
- Establishment of various processes to take feedback/surveys from various stakeholders.
- To implement and enhance the use of ICT tools to strengthen the teaching-learning process.
- Establishment of the Mentor-mentee process and its effective implementation.
- To submit the Annual Quality Assurance Report (AQAR) annually to the NAAC.
- To institutionalize the best efforts to make the campus ragging-free and develop the discipline in the students along with the establishment of grievance redressal cell.
- Motivate the staff members to do the research work and try to getting funded projects in government and non government sectors.

Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting. The IQAC improve the teaching-learning process through standard academic practices, these academic practices include:

- Preparation and adherence of academic calendar
- Preparation of nominal roll, attendance sheets.
- Course allocation load and timetable preparation
- Mentor-Mentee distribution
- Course delivery (Online / Offline class)
- Preparation of course file
- Conduction of seminar, projects, industrial training
- Monitoring of class delivery
- Attendance monitoring of students
- Syllabus coverage status updation.
- Setting up the question paper
- Conduction of internal examinations
- Evaluation of answer scripts
- Slow and advanced learners coaching and appreciation.
- Industrial visits & guest Lectures.



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

**6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **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

#### **Safety and security**

Safety of girls is a top priority at every college campus. Nowadays, safe and supportive campus community is both an obligation and a challenge for college administrators and students. Institute should provide a comprehensive range of security amenities especially for girls within the premises, through a dedicated team of security personnel. It is a common phenomenon that most of the outstation students enrolling for different courses come out of their homes and cities for the first time in their life. It is therefore of utmost importance for institutions to provide them a comfortable and safe



ambience of 'feel at home' within the campus.

According to a poll, 86% of parents believe that the safety of the campus is one of the most important factors in choosing one institution over the other. This problem can only be solved through awareness and prevention programs, dialogue and action. The following actions have been taken to ensure safety of the girl students.

#### CCTV Camera

24 hour CCTV surveillance is maintained in the college. It helps to keep a check on antisocial activities. Students and other employees in the college too remain cautious about the surveillance. Discipline is also maintained and it also provides a sense of security to the students and even their guardians. Students wear identity cards at all times to ensure their identity. The institution takes good care of the students in every aspect

#### Visitor register

The institute keeps visitor log register to record the details of any person entering the college premise.

#### Restricted Entry

For security of the girls in the college campus and to restrict unwanted entry, proper boundary wall with fencing have been constructed. Signboards have been placed outside hostels to ensure restricted entry.

#### Outing system

It is mandatory for all the students to get their out passes and leave forms duly signed by the wardens and supervisors. In some cases wardens contact their parents before granting them permission. There are strict entry times of all girls' hostels.

#### Health facilities in hostel

College also provides different timings for girls in the central gym situated in the college campus. Girls' hostel too has separate gym. Here, the girls can come and do exercise any time as per their convenience. Various facilities are available for them to keep themselves physically fit.

#### Medical facility in campus

College also considers health extremely important and thus has kept a van available 24x7. College also has security provisions to attend to any emergency conditions. Fire extinguishers are placed at different blocks inside the campus for providing the security.

#### Discipline in campus

There is a Discipline Committee in the institution to take care of safety and security of the students. It also keeps an eye on the working of all the employees as well as the activities of the students within the institution.

#### Hostel warden

Hostel wardens are very much considerate and careful. They act as counsellors and guardians to the hostellers.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures 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
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

There are different types of wastes disposed in the college for which there is a proper system functioning. The following wastes are being disposed by the college:

**Solid Waste Management:**

College has a place on its campus where the solid wastes materials are disposed. The college also manages its solid waste management system. However, there does not exist more waste from college. Separate Line Liquid Waste Management- The waste water is carried out through the pipeline.

**Waste recycling system:**

Waste water are used for irrigation purpose in the Campers However, there is rain water harvesting system in the college.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore**

C. Any 2 of the above

**well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

File Description	Documents
Geo tagged 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**

**A. Any 4 or All of the above**

File Description	Documents
Geo tagged 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 are regularly undertaken by the institution

**7.1.6.1 - The institutional environment and energy initiatives 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**

**D. Any 1 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

<p><b>7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</b></p>	<p>C. Any 2 of the above</p>
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File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

Chendhuran College of Engineering and Technology has the reputation of nurturing endurance and peace among the students through various academic and non academic activities conducted throughout the year by the Youth Red Cross, National Service Scheme, Rotract Club, etc. To start with, Conducting the "Pooja Celebration" on 13.10.2020 and

Organizing mini marathon for our former president Dr. APJ.Abdhul kalam 89th birthday on 13.10.2020.the international women's day celebration 2021 is conducted on 04.03.2021 for engorge and motivate the girls students. The earth day was celebrated by the department of computer science engineering on 30.11.2020. Rotract club activities develop the leadership and professional skills of students. Different programs and activities conducted like blood donation camp, tree plantation throughout the academic year help students develop mutual understanding and cooperation. Above all, the efforts taken by the institute to make students cross the barriers of culture, region, language, caste, creed and socioeconomic status of people prove to be successful.

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

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

Chendhuran students and all the stake holders are sensitized to become responsible citizens of India throughout the year by taking oath on days like Independence day 15.08.2020, Republic day 26.01.2021. The world's Aids day was organized by the intuition to spread the awareness of the issues of AIDS. The Disabled person day was celebrated on 03.12.2020 for aims to promote the rights and well-being of persons with disabilities in all spheres of society. Youth parliament was conducted for an integral part of the liberal public policy think-tank based in India which focuses on ideas and policies that cause human flourishment and India's Future Foundation, The staff members and students adopt a near village of the institute with minimal facilities every year. Through YRC, awareness related to health and hygiene is created among people and children. Rotract Club of Chendhuran conducts various activites all through the year to help people. Finnaly, Chendhuran College of Engineering and Technology takes up the responsibility to make its employees and students remain true citizens of India by conducting a wide range of activities.



File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on 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 programs 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

The institution celebrates national and international commemorative days such as Disabled person day, Dengue prevention day, Engineer's day, National voter's day, International youth day, World anti tobacco day etc.. Independence day and Republic day every year with vigor. NSS students take rigorous training and do march past on every Independence day and republic day. The management members and principal hoists the national flag and give the patriotic speeches to the students. Pooja's celebration is conducted every year in each departments, office, exam section to preserve our culture. Various competitions related to our culture are conducted to give awareness to all the students, teaching and non teaching staffs about our



**culture.**

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	No File Uploaded
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

### Best Practices-I

**1. Title of the Practice: Infuse a Research Culture among Faculty and Students.**

#### 2. Objectives of the Practice

- To provide an exposure to recent research development and innovation in various engineering disciplines and fix their career goals.
- To motivate the budding engineers to forecast the present and future problems of the technical fields, development for social need and estimate optimal solutions.
- To identify the gap and bridge the industry-institute gap.
- To encourage faculty members and students to publish their research articles.

#### 3. The Context

Exposure to the research trends will enable the faculty members and the students to provide creative, innovative and optimal solutions for the real world problems. For developing novel methods and out of the box solutions in societal context to the practical problems using multi disciplinary tools, a thorough understanding of the basic concepts is essential. There is a need for the institution to provide an ambience to meet such exacting expectations.

#### 4. Practice

The institute management encourages all the faculty members to

pursue research in their areas of specializations and publish their research articles. As the first step to provide an exposure to the recent research directions, an access is provided to the leading journals and transactions such as IEEE and ASME through digital library. Depending on the milestones achieved, the research scholars are recognized with cash awards. The idea of conducting "in-house final year projects" creates a possibility to see the results of their solution inside the campus itself. The internal competitions and Project exhibitions provide platforms for the students to develop their research-oriented thinking. Today's problems are multi-pronged. Therefore, they need a multi-disciplinary approach to finding solution(s). To bring objectivity into the judging of such multi-disciplinary projects are evaluated by technical experts from leading industries in that line or allied line of business. The inputs and feedback received from such experts go a long way in this institute students provide industry acceptable solutions. Mechanical Engineering departments obtained "Anna University Recognized Research Centre" status based on the Facilities available in their respective PG research labs. Through these research centres, registration of academic research works, Doctoral committee meetings, Comprehensive Viva - voce and Thesis Submission are being carried out. These research centres have also paved the way for Memorandum of Understandings with the Leading industries. All these have resulted in our student teams win laurels and recognitions in various competitions that are research based and expect the students to design thinking. Majority of these prizes are cash awards.

#### 5. Evidence of Success

The number of research publications in the indexed journals from our institution is many journal papers are published in reputed journals. Our Staff members have been awarded with the PhD Degrees through the AU recognized research centers of the Mechanical engineering departments. Many of the staff members are pursuing the research works in part time and full time mode under the supervision of our faculty members recognized as research guides by the affiliating university. These are the irrefutable evidences for the fact that the institutions efforts at creating grass root research thinking are bearing fruit.

#### 6. Problems Encountered and Resources Required

Being affiliated to a university, students from our institution are expected to follow the traditional instructional method of learning and the common exam centric approach under

a tight academic schedule. Hence it becomes necessary that value added courses on the emerging trends and tools could be conducted only after college hours or during semester

holidays. For the development of prototypes of the research ideas, an exposure and thorough knowledge of the modern tools along with the abstract knowledge is required. Those budding aspirants have to balance between the usage of modern tools and the regular academics.

## Best Practices-II

### 1. Title of the Practice: Students Mentoring Scheme

#### 1. Goal of the Practice

The goal is to establish the excellent relationship between the Mentor (Faculty Advisor) and the Mentee (Students) and to help the mentees attain their aims, goals and future plans.

#### 2. The Process

The students are assigned due to ratio of faculty mentors from their first year. Mentors create a better environment and all facilities for their mentees and the mentees can approach their mentors for educational, personal guidance and knowledge enhancement.

#### 3. Impact of the Practice

The mentors closely monitor their mentee performance and provide an ongoing support. They also provide awareness and guidance about comparative examinations and courses required for placements. A mentor encourages the students for pursuing higher studies and encourages entrepreneurship. Each and every detail regarding the student is note down in their mentor record otherwise known as Students Bio data card to maintain a hard copy for references. Frequent counseling sessions help the student in expressing their opinions and problems with ease. Counseling is done after tests and after the end semester exam results. Mentor books are updated with their results, achievements, certifications, attendance, scholarships and project details.

#### 4. Problems encountered

In the absence of a mentor for a brief period of time, the duties are handed over to another faculty and informed to the respective students.

## 5. Resources required

To make the mentoring system effective, training is imparted to faculty on counseling and handling the students.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

1. The Institute of Laboratory was created by excellent mode.
2. The College has good Institute - Industry relationships, there is good relationship between institute and all stake holders.
3. Guidance is given to students to participate in extracurricular activities and Competitive exams.
4. Faculty members are motivated for Journal publications in Quality reputed Journals and it is advised to get funded projects from government and non government sectors.
5. The Institute is surrounded by enormous green trees and efforts are eco friendly.
6. The management of the institute is identified the poor students in rural areas to supporting by scholarships to their studies.
7. Some of the students are even first generation literates in their

families in such a

background, many of the students literally have no proper guidance at home.

File Description	Documents
Appropriate web in the Institutional website	No File Uploaded
Any other relevant information	No File Uploaded

#### 7.3.2 - Plan of action for the next academic year

1. Making all the classrooms with ICT facility.
2. Getting fund from government and non government for conducting technical activities.
3. Efforts will take to obtain research center for more departments.
4. Collaboration with abroad universities and industries.
5. Encouraging the students to become a good entrepreneur.
6. Motivate the staff members to do the research work activities.