



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

Chirala Engineering College

- Name of the Head of the institution **Dr P Ravi Kumar**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **08331040550**
- Mobile no **8331040588**
- Registered e-mail **principal@cecc.co.in**
- Alternate e-mail **iqac@cecc.co.in**
- Address **Akkayapalem (vil), Ramapuram Beach Road, Vetapalem (Mandal), Prakasam (Dt)**
- City/Town **Chirala**
- State/UT **Andhra Pradesh**
- Pin Code **523157**

2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the Affiliating University **JNTU Kakinada**
- Name of the IQAC Coordinator **Mr K RAMESH BABU**
- Phone No. **8328213761**
- Alternate phone No. **9703868269**
- Mobile **8328213761**
- IQAC e-mail address **iqac@cecc.co.in**
- Alternate Email address **principal@cecc.co.in**

3. Website address (Web link of the AQAR (Previous Academic Year))

<https://www.cecc.co.in/iqac/agar-reports/>

4. Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.cecc.co.in/academics/college-calendar/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2..08	2015	14/09/2015	13/09/2020

6. Date of Establishment of IQAC

17/04/2017

7. Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
SKILL HUB	PMKVY-4.0-CS CM	NSDC	2022-23	1712161.04

8. Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year 2

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

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? No

- If yes, mention the amount

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

For enhancing the skill set of the students internal department cells are created with different activities

conducted awareness programs for all students for their personality development to face the day to day challenges of the real world.

Improvement in Research and Development activities to provide solutions to the community problems.

created awareness programme for girl students regarding health hazards, safety.

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

Plan of Action	Achievements/Outcomes
Strengthening student focused academic and skills development activities	Improved academic result and skill development activities
To organize Science exhibition in the eve of Science Day	76 students from science discipline participated and displayed their ideas in various forms like Slogan, Essay, Poster, Case Study, Video, Drawing, Model
Planned to conduct Entrepreneur development and Innovation practices related programmes to the students	Organized three days Entrepreneurship awareness camp, Impact lectures session on startup and innovation practices
To continue remedial classes for academically disadvantaged students	Remedial classes were conducted from January 2019 for the academically disadvantaged students after the publication of the odd semester result.

13. Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Body	18/10/2022

14. Whether institutional data submitted to AISHE

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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.cecc.co.in/academics/college-calendar/				
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• Upload latest notification of formation of IQAC			View File		
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• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional			Yes		

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<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
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14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2022	30/12/2022
15. Multidisciplinary / interdisciplinary	
<p>Chirala Designing college has continuously strived to supply tall quality instruction to create best engineers in Chirala region which is found in Prakasam (Dt.), Andhra Pradesh. College supports a multidisciplinary approach in its scholastic as well as co-curricular exercises. A talk among the staff individuals</p>	

were started on the key standards of NEP such as diversity for all educational modules and instructional method with technological developments in educating and learning, empowering consistent choice making and advancement, basic considering, and imagination. Understudies are empowered to undergo minor/major projects within the Multidisciplinary/ Interdisciplinary mode by defining groups from distinctive courses. Understudies are too empowered to define groups from distinctive disciplines to take part in different occasions like Hackathons etc. college has given seriously trainings to the understudies to meet mechanical measures. so, It can be said that our college is proactively working towards execution of the proposals given within the NEP

16.Academic bank of credits (ABC):

An 'Academic Bank of Credit' (ABC) that stores credit gained by the student 'digitally' shall be initiated in consultation with the 'statutory bodies'. College has made a system There shall be a system to help the students to track the 'credit' earning progressively. The Institution shall recognize the following in consultation with the statutory bodies. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL, V-Lab etc.. We are in the process of developing a system for executing ABC in true spirit. we are expecting that this historic policy on education will yield positive results and to ensure its effective implementation.

17.Skill development:

In the of view of growing demand of Skilled work force in industries of both public and private sector, Higher education institutions are framing their curriculum accordingly to meet the demand of industries. Affiliated University [JNTUK] have introduced many skill-oriented courses in the curriculum. CECC always encourages and supports students towards skill development by offering Value Added Courses, training programs, Guest lectures from Industry experts and Internships. Apart from usual skill curriculum from parent university, our college signed MOU with many of the training partners. Regular training is imparted in the area of communication skill and aptitude to the students to make them employable during placements.

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

Currently the college taking appropriate action to integration of Indian knowledge system by offering MIL (Modern Indian Languages) and core courses as per CBCS scheme set up by parent university.

Most of the student are from rural area they well known in telegu language along with English. The staff and students belong to different religions like Hindus, Muslims, Christians etc. being their mother tongues different like Telugu, Tamil, Urdu etc. The college hosts and celebrates various festivals in the college for students especially living in hostels. Women faculty are sanctioned special permission to celebrate Varalakshmi Vratam every year. Every year the college celebrates Women's day and Cultural fests, with the intension of transferring experiences among students.

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

One of the most profound benefits of OBE is the sense of clarity it fosters. Students, along with their parents, can pick an institution, program and course based on clearly spelled out learning objectives. The Course Outcome (CO), Program Outcome (PO), Program Specific Outcome (PSO) and Program Educational Objective (PEO) determine exactly what students are expected to accomplish, post their course or program respectively. This clarity is further reflected in the quality of teaching and delivery, across divisions and departments, where faculty may adjust their focus more appropriately. The next advantage, and perhaps the most obvious one, is flexibility. OBE empowers students to choose what they would like to study and how they would like to study it. Not only does it adapt to a learner's strengths and weaknesses, but it also provides sufficient time to attain proficiency and fluency in the subject matter. Additionally, the model allows the learner to transfer their credits and switch to another institution that is accredited with the OBE syllabus. Institutions are recognized, benchmarked, and can be easily compared with one another based on this accreditation. As you can see, every stakeholder benefits from the OBE framework. National Education Policy-2020 addresses all the above said advantages of OBE. The multiple entry & exit system, establishment of 'Academic bank of Credits', emphasis on learning outcomes, online & digital learning as envisaged in the policy shall promote true OBE in higher education. OBE works well with vocational education streams like engineering and sciences Vis a vie the arts. The latter includes subjects such as literature and philosophy that require a more free-flowing structure. The institution shall further intensify the OBE and shall imbibe best practices on par with the premier institutions in implementation

20.Distance education/online education:

Our college is encouraging faculty members to take online classes after the college hours to enrich knowledge among students. We encourage students and staff for enrolling MOOC/NPTEL courses. In summer vacation, our students take internships and completed in online mode. The faculty conducted classes for clarifying doubts and also conducted exams using google class room. we will also make studentts to learn soft skills and employability skills by experts through online classes.

Extended Profile

1.Programme

1.1	15
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	745
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	348
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	158
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic	
3.1 Number of full time teachers during the year	116
File Description	Documents
Data Template	View File
3.2 Number of sanctioned posts during the year	27
File Description	Documents
Data Template	View File
4.Institution	
4.1 Total number of Classrooms and Seminar halls	56
4.2 Total expenditure excluding salary during the year (INR in lakhs)	603.89
4.3 Total number of computers on campus for academic purposes	494
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>Preparation of Academic Calendar: Academic calendar has been prepared after the academic schedule was released by the affiliating University JNTU, Kakinada by the heads of the department in alignment with the University academic calendar. This calendar includes the academic details such as schedule for the number of working days, internal assessment test and association actives such as guest lecture, value added courses, industrial visits, etc.,</p>	

Course Allocation /Subject allocation: Courses are allocated to the faculty members based on their expertise & subject preferences by the Head of the department (HOD) and approved by the Principal.

Timetable Preparation: Timetables are prepared by the Time-Table committee in the department and approved by the head of the department and principal. Individual faculty time tables are prepared reflecting his/her complete workload. Design and Dissemination of Course Plan: Each faculty member prepares a lecture schedule, lesson plan.

Preparation of Course file: Each faculty member prepares the course file which includes the time table, lecture plan, course outcomes, mapping of course outcomes with program outcomes & program specific outcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers, assignment questions and laboratory manual for practical courses. After the completion of the semester, it is updated with analysis of students' feedback, attainment of COs, POs & PSOs and justifications for non-attainment of COs, POs and PSOs (if any).

Monitoring classes: Regular conduct of classes is closely monitored by HODs and Principal and feedback will be collected periodically.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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

Assessments: Internal Assessment : Faculty will conduct unit test after completion of every unit in every course and there are two internal assessment tests (Mid1 and Mid2) as per the regulations. Based on internal Assessment [MID1] Slow learners and advanced learners are separated in every department. Special coaching classes are conducted after the regular class hours for slow learners. **External Assessment:** The external assessment is based on the semester end examinations conducted by the university.

Mentoring:

Each student is monitored by a mentor to evaluate his/ her performance. Regular counseling is carried by the mentor to motivate the student in curriculum and extra curriculum activities

These procedures are followed periodically during every semester to ensure curriculum delivery through a well-planned and documented process.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

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 affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

31

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

12

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

414

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

CECC has a number of units, including the NSS (National Service Scheme) team and the WEC (Women Empowerment Cell). The coordinators of the following units organize activities for various units, and students are active in numerous initiatives and themes relevant to their studies, such as Professional Ethics, Gender and Human Values, and Environment and Sustainability.

JNTUK has an affiliation with Chirala Engineering College. The College, being an affiliated College, follows the University's curriculum. Gender, Environment and Sustainability, Human Values, and Professional Ethics are all included into the curriculum of the University. Every year, the College hosts Gender Equality programs that emphasize Woman Empowerment, health screenings, and other activities.

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.	View File

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

136

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
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	View File

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

408

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

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	https://www.cecc.co.in/igac/feedbacks-actions/
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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	View File
URL for feedback report	https://www.cecc.co.in/igac/feedbacks-actions/

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

293

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

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

166

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

2.2 - Catering to Student Diversity

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

Assessment of the learning levels of the students:

- For each subject, the teacher of that subject will identify the slow learners and the advanced learners for each semester.
- The process to identify slow learners and advanced learners would begin right after the announcement of the results of the previous semester's university exams, or after one month of instruction in the case of first-year students.
- To identify slow learners and advanced learners, every subject teacher should hold in-person or online objective-type tests on the material they have covered so far or on the first unit for 10 marks and an hour.

The following criteria and their relative weights are used to determine whether students are slow and advanced:

Guidelines for identifying Advanced Learners (bright students)+

- Students that are ahead of the learning curve and need an advanced technical skill set are known as advanced learners

(brightstudents).

- Performance in the university examination from the previous semester and internal exams are used to identify advanced earners.

Guidelines identifying for slow learner (Weak Students):

- Based on how they performed in the university examination from the previous semester and internal exams, slow learners are identified.

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

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

Number of Students	Number of Teachers
745	116

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

The Chirala Engineering College adopts a teaching strategy that emphasizes education delivery using a student-centric approach. Along with building students' confidence and fostering flexibility and creativity, this practice helps pupils move from being treated as passive recipients to active participants. It is impossible to fulfill the needs and expectations of individual students in a teacher-centered class and expect a consistent learning outcome from them all since kids differ in their capacity for comprehension and absorption. The teacher encourages learning by ensuring that each student participates in class activities so that they can individually understand at their own level and process material at their own pace.

Chirala Engineering College offers an environment for students to build cutting-edge and practical knowledge, beliefs, and abilities that will help them behave appropriately. Every department runs creative initiatives that encourage students' imaginations, give them a place to practice their problem-solving techniques, and promote active learning. Through CEC SAPTAVARNA, the institute hosts an annual technical event where students can display their knowledge through creative projects. Competitions at the inter-college and national levels inspire students to take part.

File Description	Documents
Upload any additional information	View File
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

It is essential that teachers use the most recent ICT in their classrooms. ICT-enabled technologies have thus taken centre stage in the development of curriculum frameworks. In addition to using traditional classroom teaching techniques, CECC has also implemented ICT-enabled teaching strategies. To teach cutting-edge technology and practical knowledge, the faculty makes use of ICT-enabled learning materials such PowerPoint presentations, video clips, audio systems, and web sources.

In some classrooms, the faculty makes use of multimedia teaching tools such LCD projectors and internet-connected computers and laptops. The faculty keeps up with cutting-edge technology by using electronic resources from platforms including NDLI, DELNET, NPTEL, SWAYAM, COURSERA, and the Digital Library. Online classrooms like Google Classrooms are also available. These systems make it easier for teachers to distribute lessons, resources, tests, and homework to students. This facilitates regular and simple evaluation of the pupils' learning progress. For holding guest lectures and seminars, the seminar rooms are equipped with multimedia, fast internet, and Wi-Fi.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

50

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

27

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

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

12

File Description	Documents
Any additional information	View File
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)	View File

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

520

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

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.

According to the guidelines of the JNTUK, 2 internal exams are required and the scores obtained must be entered on the university's web portal within the allotted time. The following steps are taken to make the test fair and also to make the assessment transparent and robust for the students:

- Examination branch conducts the Internal tests following the guidelines given by University
- Department conducts assignments and lab internals
- Internal Assessment can be done by Offline Descriptive examination, Online Quiz Examination and offline assignments.
- Internal and external examination marks are always assessable to the respective student through the Department.
- The marks and attendance of the group of 20 students will be sent to concerned faculty...

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

The institution has made efforts to ensure that students develop holistically and uses a system of Continuous Internal Evaluation to analyse students' abilities. We are associated with the University of JNTUK and follow the University's evaluation guidelines. The Institution administers two tests (offline and online) to evaluate students for Internal Assessments in accordance with University requirements. The University of JNTUK has implemented a Grading System, which awards 25 points for formative assessment and 75 points for summative assessment. Internal tests (20 points) are included in the formative method, as are attendance, behaviour, leadership, assignments, and active involvement in the classroom (5 marks). The University has established a pattern for summative evaluation. After the evaluation of any sessional examination, the results are examined using the mean and median of marks. Monitoring each student's progress using 'counselling sheets,' with the goal of boosting their performance using single and double backlogs. Slow learners are provided with additional guidance for subsequent tests. We send parents progress reports and SMS alerts regarding their children's progress. Apart from academics, the institution encourages students to participate in a variety of extracurricular and co-curricular activities organized by the college's numerous committees, clubs, and forums.

File Description	Documents
Any additional information	View File
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.

In a four-year engineering degree programme, writing essential COs for each course from the first to the fourth year of the programme is the first step in obtaining COs, POs, and PSOs. The relevant

faculty member uses action terms from Bloom and Anderson's proposed learning levels when writing the course objectives. Then, on a scale of 1 to 3, a correlation between COs and POs is determined, with 1 denoting the minimal (low), 2 denoting the moderate (middle), and 3 denoting the substantial (high). In this regard, a mapping matrix is created for each programme course, including the elective ones. A group of senior faculty members regularly examine the written course outcomes and their mapping with POs before they are finalized.

The methods or processes used by the department to identify, gather, and compile data for evaluating the accomplishment of programme objectives (POs) and programme specific outcomes (PSOs) are called assessments. Achieving a standard outcome on the journey to reaching desired goals is known as attainment. The primary measure of achievement is the level of academic performance as seen in scores.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Rubrics are employed for the evaluation and assessment of COs and POs. The following are the rubrics taken into consideration:

- The performance of students in internal assessments and the course final is taken into account when evaluating the course outcome.
- 30% of the overall CO achievement comes from internal assessment, and 70% comes from end-exam assessment.
- Levels of programme outcome attainment are provided by the CO-PO mapping table following the measurement of CO attainment for a course.

The various techniques for measuring, evaluating, and assessing POs and PSOs include the ones listed below: Direct Assessment methods: [80%]

Continuous Assessment:

- Sessional & Assignment Examinations, as well as Lab Records, are used to evaluate COs.
- The COs are mapped to each question, and faculty members do recorded CO analysis for each course.
- The level of CO contribution to achieving POs/PSOs is graded as high, moderate, and low.

Semester-End Theory Examinations:

- The questions on the semester-end exams measure all COs at various Blooms Taxonomy Levels.

Laboratory Examinations:

- Both continuous and semester-end examinations are conducted to test the COs attainment.

Indirect Assessment Methods: [20%]**Programme - Exit survey:**

- This survey, which was taken and filled out by B.Tech final-year students, serves as an in-depth analysis of the PO/PSO assessment.

File Description	Documents
Upload any additional information	View File
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**

88

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

<https://www.cecc.co.in/igac/sss/>

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)

21

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

0

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
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

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involve in the application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents.

Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products.

The sole objective of the Incubation Centre is to facilitate students to convert their Ideas into Technological Innovations. Students are provided facilities to build prototypes useful for promotion of Agriculture and Rural Development. Financial

Assistance is provided for major and minor Research Projects. Workshops on emerging trends in Technology are held. Model Expos are held. Students are awarded cash prizes for best models. Students are encouraged to gain hands on experience and better Industrial Exposure.

Ideas and innovations flow steadily with the startup a beginning was done to nurture our students and transform, innovations in to a vital force for economic growth. Startup were initiated by the students for the latest innovations.

Financial support is extended to the students for exhibiting their models at the Idea Generation Contests, Competitions held by other organizations. Students are provided with an opportunity to acquire skills for commercialization of their product. The Local Entrepreneurs are invited to address the students and inspire them.

File Description	Documents
Upload any additional information	View File
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

9

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

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

0

File Description	Documents
URL to the research page on HEI website	https://www.cecc.co.in/academics/research/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
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

7

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 National Cadet Corps (NCC) plays a crucial role in shaping a

person's character by promoting teamwork, man-management, and overall personality development. The college has a National Service Scheme (NSS) Unit, with around 200 students enrolled. NSS aims to impart values and attitudes to students, focusing on the welfare of the neighbourhood community and addressing social problems. The institute conducts social outreach programs, such as parades and rallies, on Independence Day and Republic Day to raise awareness and improve society. Extension activities in the neighbourhood community during the accreditation period:

1. Puneeth Sagar Abhiyaan programme was conducted at Odarevu beach in Ramapuram, Chirala on 8th Feb 2023 by NCC & NSS Units
2. NCC & NSS Units Conducted National Constitutional Day Celebrations on 26th Nov 2022 and did pledge on Indian Constitution.
3. NSS Units Conducted Blood Donation Camp on 16th Sep 2022 on behalf of PM Narendra Modi's Birth day
4. NCC & NSS Units Conducted Tree Plantation Program on 17th Sep 2022 to create awareness of protect the society from Deforestation.
5. NCC & NSS Units Conducted International Yoga Day to Create Awareness Among the students on 21st June 2022etc..

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

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

10

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

8

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

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

322

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

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

6

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

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

6

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

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.

Response:

Chirala Engineering College is in 32 acres of land. The college has very good Infrastructure and provides beautiful physical facilities for teaching. It follows the procedures of Jawaharlal Nehru Technological University, Kakinada. The Environment is pleasant which encourages the students to learn easily. The facilities provided in the campus are as follows.

Classrooms:

There are spacious classrooms with very good ventilation.

Seminar Halls:

The college has seminar halls with 300 - 400 seating capacity and they are installed with Projector, Wi-Fi and LAN connection. These are suitable for conducting seminars, guest lectures, workshops, presentations etc.,

Computing Equipment:

The college has more than 450 computers with all the required ports. These are also have been using for the government and central government exams like, Bank exams, Gate etc.,

Library:

The college has a big central library with more than 40,000 books. It also has digital library with more than 30 computers with high-speed Wi-Fi connectivity. It also provides the international journals and also a daily newspaper. The staff and students have access for online journals through DELNET.

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

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

Cultural Activities:

The college has big auditorium and indoor stadium to conduct cultural and Extra-Curricular activities and encourages the students for active participation. The college organizes the academic fests and sports.

Sports & Games:

The college is equipped with indoor and outdoor sports area for students and encourage them to participate in various competitions conducted at inter and intra college level and even for state and national level also.

The indoor and outdoor sports facilities available in the college

are:

Indoor facilities:

Carroms, Chess and Table Tennis.

Outdoor facilities:

Volleyball Court, Throwball Court, Basketball Court, Tennis court, Cricket ground.

Gym:

The college has gym facilities like treadmills, dumbbells, weights etc., for physical fitness of students and staff.

File Description	Documents
Upload any additional information	View File
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.

25

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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)

10.25

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The Institution has a spacious Central Library with an area of 660 SQM and has a seating capacity for 160 users. It is automated with ECAP, which is an Integrated Library Management System (ILMS) that supports in house operations of Cataloguing and Circulation through a dedicated server. The library has a rich collection of 41,045 volumes of textbooks with 7399 titles. There is an online access to e-Resources on Engineering, Science and Technology, Management, Basic Sciences and Humanities etc. The college also provides Book Bank facility to SC/ST students for their academic needs. The college subscribed DELNET to access e-journals, e-Books and many of journal articles, audio books, etc. in addition to the subscription of 68 print periodicals that include National and International journals, and technical magazines are available. Library resources have been completely bar-coded and computerized. Circulation counter is available for issue, return and renewal of books using ILMS package. The library offers computerized Catalogue Search Services for user community through the On-line Public Access Catalogue (OPAC) which allows access of bibliographic details of the books available in the Central Library. Biometric system is used instead of the manual gate register, which is mandatory for check-in and check-out of library users.

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-

A. Any 4 or more of the above

ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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)

3.88

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

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

245

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

4.3 - IT Infrastructure

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

Response :

The institute has well established IT infrastructure facilities. Internet bandwidth of 100 Mbps supports various services such as administrative, academic activities, CC Tv's and Biometric devices.

The details of up gradation of IT infrastructure that has taken place over the last academic years (2022-2023) are shown in below:

Procured 494 computer systems for academic purpose.

22 Wi-Fi routers were installed in the institute.

Internet bandwidth of 40 Mbps is upgraded to 100 Mbps.

Upgraded RAM from 2 GB to 8 GB for 120 Computer systems, 2GB to 16GB for 33 Computer systems and remaining 311 systems are 2GB.

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

4.3.2 - Number of Computers

494

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

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)

451.16

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically.

Maintenance of Library Facilities: The books are maintained against disfiguring. Book binding is carried out on regular basis for damaged books to avoid further damage. Stock verification is done as a part of regular monitoring and control.

- The institute has an adequate number of computers with internet connections and utility software's. Computer systems, UPS, Software's, and Servers are maintained by outsourced technicians, Lab Assistants and Lab-In Charges.

Classrooms, Conference Hall: Classrooms and Conference halls are provided with enough seating capacity and LCD projectors.

Cleanliness of classrooms and Conference hall is maintained on regular basis. Working condition of audio system, LCD projectors etc. is done on regular basis.

- Laboratories are regularly maintained by the Laboratory attendant. Records of equipment's are maintained in Dead-stock Register (DSR) as per the process. Equipment's are

maintained properly, calibrated, and serviced periodically.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students 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

501

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
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)	View File

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

381

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.cecc.co.in/igac/criteria/#22-23
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

45

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

45

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent

A. All of the above

mechanism for timely redressal of student 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	View File
Upload any additional information	No File Uploaded
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

45

File Description	Documents
Self-attested list of students placed	No File Uploaded
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

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

11

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

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

11

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

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.

4

File Description	Documents
e-copies of award letters and certificates	View File
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)	View File

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)

Chirala Engineering College, encourages the students in various which helps the students to grow interpersonal and intrapersonal skills. Under this, our college supports the students in co-curricular and extra-curricular activities like, NCC, NSS, Blood donation camps, Cultural activities etc., Our college has a very record in sports like Kho-Kho, Kabaddi, volley ball, Cricket etc., Our students won many awards and medals in various competition held at various levels. This exposure helps the students to inculcate leadership and administration qualities.

The students will organize the Annual events like Techno fests and special days like, Republic Day, Independence Day, Teachers' Day, Engineers' Day, Science Day etc., They for the departmental associations and conduct co-curricular and extra-curricular activities among the students. They even serve the society by conducting Plantation programs, cleanliness programs, blood donation camps etc., They strive hard to make the events successful, ultimately, they feel very happy with all these activities.

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/igac/criteria/#22-23
Upload any additional information	View File

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

12

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	View File
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)	View File

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

CEC has a strong, lively alumni association that extends across the globe. This thriving alumni network brings great value to everyone associated with CEC from spreading awareness and recognition of the CEC brand to creating opportunities for and guiding current students.

It is truly believed that while the CEC experience begins on campus, it is enjoyed for the rest of one's life. The alumni association plays a major role building long lasting relationships and creating camaraderie amongst a global community. With alumni spread over the world, CEC students can be assured of a warm welcome whenever they go.

CEC alumni contribute time, energy, and expertise to help the CEC fraternity grow, develop and prosper. The CEC Alumni Association aims to facilitate lifelong learning through the exchange of ideas and knowledge. Alumni pool skills and apply available resources to enhance personal and career development for their members.

The CEC culture has impacted how actively alumni contribute to their communities. This desire to share knowledge and skills beyond the workplace and family may very well stem from the many community and philanthropic activities they were exposed to as students at CEC. The alumni association has successfully been able

to channelize resources for a greater good and no community outreach project is ever short of volunteers.

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/igac/criteria/#22-23
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

VISION:

Our College seeks to develop wisdom in students that translates academic achievement into responsible citizenship, sincere professional service and a deep respect for life and beauty in God's creation.

MISSION:

Our mission is to further the college in imparting technical education for students, while maintaining our traditions and culture. All staff shall inculcate in themselves humbleness, simplicity, honesty and uphold dignity towards higher learning and serving the mankind. The college shall strive to its best in producing excellent engineers and managers who will be appreciated by industry and other sectors.

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/about-cecc/vision-mission/
Upload any additional information	View File

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

The institution functions with the method of decentralized governance system. The head of the department has been bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members. The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing conferences, symposia, guest lectures and workshops and recommends necessary industrial visits, in-plant trainings, internships and MOUs. The institution is functioning effectively with the culture of participative management which enables the faculty and students to give their opinion and suggestions for improvement. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the class committee meetings, department meetings, faculty meetings, HODs' meetings with Principal and HODs meetings with Director. The Principal coordinates with the departments, administration and management. Participative management provides extensive scope for having collaboration among the departments and ensures the quality of planning and implementation of all the activities in the institution uniformly and as a team.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Over the past 21 years the college has shown tremendous growth. The institute possessing a perspective plan for the development. The College strives hard in achieving high standards of teaching, training, and development of human resources by encouraging its

faculty and staff to work as a team and to update their knowledge and skills periodically to match the needs of industry. Provision of adequate annual budget is allocated as the part of the development plan. The aspects to be included in the perspective plan will be drawn from College level and Departmental level presented to the Governing Body which in turn ratifies expenditure and approves new budget proposals. Perspective 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
- To make the Institute as a 'Center of Excellence
- To train the students to prepare them ready to face the competition at national and international levels.
- To obtain NBA accreditation for all the programs being offered in the institution
- To secure accreditation by NAAC with good rating. More number of MoUs with Industries and Improving the Industry Institute relationship.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.cecc.co.in/iqac/criteria/#22-23
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 system and stakeholders benefit from the management's openness. The Governing Body accepts responsibility for keeping track of how the initiatives in the institutional strategic plan are being carried out. Even though a few important objectives are quickly accomplished, the Governing Body, which consists of top

management, the principal, HODs, teaching and non-teaching staff, students, and stakeholders, collaborates to strengthen the culture of excellence. The institute's motto, "We build a better Nation through Quality Education," ensures excellence in every area not only via its mission and strategies, but also through its many activities. The list of crucial actions is below.

Implementing contemporary teaching and learning strategies The HODs are keeping an eye on the processes and progress.

Examining the opinions of teachers, parents, and professionals
Taking into account the aforementioned suggestions and upgrading services

It is ensured that quality is maintained at both the administrative and academic levels by persistent and diligent efforts. An ISO audit is carried out annually, after which recertification is given.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://www.cecc.co.in/about-cecc/organogram/
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

WELFARE MEASURES

The performance of each employee is assessed annually after completion of one year of service. In connection with this, Existing welfare measure for teaching and non-teaching staff are itemized below:

- Medical Leave & Maternity leave for eligible staff members
- Advances given to Non-teaching Staff
- Uniforms for non-teaching staff
- R.O Water
- Gym is also accessible for all the staff members
- Medical centre.
- Free Transport for staff
- Sponsorships to attend and present papers in conferences/ workshops/ seminars both in India as well as abroad.
- Food Court is available for staff members at reasonable cost which are accessible by staff during the working and extended hours.
- Internet and free Wi-Fi facilities are also available in campus for staff
- Skill development courses are organized for non- teaching staff to enhance their skills in work environment.
- All the faculty members who upgrade their research work through quality publications during the academic year are honored by the institute through research and development centre.
- Gratuity for the employees of the institution.

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

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

63

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

6.3.3 - Number of professional development /administrative training 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

6

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

68

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	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

Performance Appraisal System for teaching and non-teaching staff

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 based on their academic, research and other extra- curricular activities.

Performance appraisal system for teaching staff

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, R&D council, planning and development committee, NBA, NAAC, etc. Student feedback and pass percentage of the course are also considered.

Financial support to the faculty is rendered with the motive to enhance or upgrade their knowledge through their participation in conferences, workshops; publications in Scopus indexed journals, book publication, sponsored projects consultancy, research supervision, awards, honors, fellowships etc. Filled in the prescribed format is revised by HOD as well as Principal to assess the attitudinal/behavioral/professional aspects of the faculty concerned.

Performance appraisal system for non- teaching staff: The various parameters for non-Teaching staff members are assessed under different categories i.e., Character and Habits, Departmental

Abilities, Capacity to do hard work, Discipline, Reliability, Relations/Co-operation with superiors, subordinates, colleagues, students and public, efficient organization of documents and technical abilities (in case of workshop staff).

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/igac/criteria/#22-23
Upload any additional information	View File

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

Chirala Engineering College is a self-supporting institution, and it receives funding from student fees and interest on its corpus fund. By taking an advance from the parent trust, deficits are managed. Faculty members might seek additional funding by submitting research ideas. These monies are used for laboratory development and research. The institute has a clear system in place to track how effectively and efficiently the financial resources that are available are being used to build infrastructure and academic processes. Every year, the accounts department creates the institution's budget while taking both recurring and one-time expenses into account. As a result, it is demanded of all administrative and academic leaders to provide the necessary budget for the coming fiscal year. Along with this all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to Account office. All the major financial decisions are taken by the principal and Accounts department with Management of college.

As and when urgent requirements arise it is given after sanctioned revived from accounts office. All the major financial transactions are analyzed and verified under following sections:

- Training & Placement
- Software & Internet charges etc..

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/igac/criteria/#22-23
Upload any additional information	View File

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)

2.6

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

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

Mobilization Fees Collections

Students are admitted as per the Government of Andhra Pradesh prescribed Higher Education norms by admitting 70% of students through counseling and 30% of student's category B.

Term Loan and Hire Purchase Loans

Institute is getting above Loans from Banks with reduced rate of interest by maintaining the liquidity, DSCR and Debt Equity Ratios which are sound and the Loans are availed through Banks.

Non Government Bodies and Sponsorship Receipts

Donations are received from well wishers (alumni and others), industries, individuals and philanthropists for institutional activities.

Infrastructural development facilities and Building construction works

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well wishers and philanthropist are judiciously utilized for the same.

The institute gets grants from AICTE for purchase of modern lab equipments, purchase of latest version software and others. The grants are utilized.

College purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges.

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/iqac/criteria/#22-23
Upload any additional information	View File

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 is the most vibrant and highly active team in the institution whose motto is to maintain the quality culture. The IQAC team efficiently drives the institution to achieve the highest grade in its second cycle of assessment by setting up a very high benchmark. The team of IQAC comprises the Chairperson, Coordinators and the Representatives from the Management, faculty, administration, students, alumni, local society, and employers/industrialists/stakeholders.

The IQAC of the institution has taken several significant initiatives during the last year for prompting the quality on the campus:

- Efforts have been placed to get autonomous status to the college
- Enhanced the faculty development programs and activities
- Established the international collaborations with the

support of research sponsoring agencies.

- Entrepreneurial activities increased
- Majority of the classrooms on the campus are upgraded with ICT equipment.
- Institutional Audits

IQAC implemented practices:

Practice 1: Automation in Academic and Administrative functions:

Practice 2: Mentoring System

File Description	Documents
Paste link for additional information	http://www.cecc.co.in/wp-content/uploads/2023/09/6.5.1-2022-23-Final.pdf
Upload any additional information	View File

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

Content beyond the syllabus and Skill rack online programming:

The teaching learning process is continuously monitored and reviewed by the Head of the departments and reported to the Principal and the management. Apart from the regular class room lectures by the faculty members for each course, students are given opportunities to attend the guest lecture from industrial experts in the smart class rooms. The contents of this type of lecture are beyond the syllabus and they expose the industry requirement to the students. This lecture facilitates the students to know in depth about the industry requirement and the necessary skills they should equip with for placement. The interactions with industrial experts narrow down the gap between the institute and the industry requirement which helps the management in identifying the necessary soft skill development required for the students. Placement training through online tests by Skill rack is an online programming introduced by the management with a view to help the students for better placement. Faculty members are trained on the same before implementing it to the students. Skill rack is an initiative facilitated by IQAC with the support from Training and Placement cell.

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

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)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.cecc.co.in/igac/criteria/#22-23
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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

Chirala Engineering College is persistently nurturing the students as a community. The term "fair treatment for both women and men, according to their various requirements" is used to describe the gender equity. It may involve receiving unique treatment that is yet recognized identical in terms of rights, rewards, obligations, and opportunities.

Education is concerned with how people establish habits. If this is the case, then we must seriously consider how education can promote the equal participation of men and women in decision-

making, lessen the enrollment gap between men and women, provide equality in the learning experience, academic performance, and external results, and offer benefits to both sexes.

If gender parity is fully attained, it will be benefited to the both boys and girls more than approaches that are oriented on men and girls will profit from the public and home life to the same extent as boys.

Chirala Engineering College is most concerned about the safety, security, well-being, as well as the gender parity and a pleasant work environment.

File Description	Documents
Annual gender sensitization action plan	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.1-Action-Plan-2022-2023.pdf
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	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.1-Specific-Facilities-2022-2023.pdf

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Management Response :

Solid Waste Management

The dual dustbin system separates the solid waste produced on campus into Dry and Wet wastes. The different colours of bins are placed at various places to collect the garbage separately to transport it to the concerned place. Every day, dry and wet garbage is collected from each block and sent to the appropriate locations for the purpose of generating organic manure that can be used for plants to maintain a healthy environment. Moreover, the college has set up a complete ban on single-use plastic to reduce the usage of plastic.

Biomedical Waste management

No biomedical waste is generated on the campus.

E-waste management

The key objectives of collecting e-waste are to divide the useable circuits and components and turning them into useful products. Moreover, staff members and laboratory assistants fix small equipment issues, while experienced technicians handle serious repairs. After receiving the college engineer's clearance, condemned hardware produced by the institution is gathered in a separate room and delivered to e-waste recyclers.

Waste Recycling System

Waste water is generated in the campus include sewage, hostel and mess effluent waste. The entire treated water is used for watering the gardens and Sewage treatment plant is dried and used as manure for the gardens.

- The storm water runoff is diverted into the rainwater harvesting pond set up by the college.

Hazardous chemicals and radioactive waste management

- There are no hazardous chemicals used on the campus. No radioactive waste is generated on the campus.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 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	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the	A. Any 4 or all of the above

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

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

**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**

A. Any 4 or all of the above

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

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).

Chirala Engineering College is founded with the noble cause of

empowering students in rural areas, and continuously works to promote collaborative settings through promoting innovation and cutting-edge research. The under laying idea is to welcome all students, challenge them appropriately, and encourage them in their endeavours. As a result, the institution is a dynamic and interconnected community that serves as a home for aspiring and creative students from various socioeconomic and cultural backgrounds. Undoubtedly, Chirala Engineering College students are growing amicably despite the economic, cultural, social, and linguistic disparities. The students in regular classes are fervent in their aloof quest of knowledge, and they discuss, dispute, and debate a wide range of academic, scientific, technological, and research subjects without ever losing sight of the element of harmony and solidarity. The institute shapes all facets of the students for a better future and profession by creating a realistic teaching-learning environment where education serves as a tool for social, economic, and cultural transformation. Students are sufficiently equipped for the complex nature of cultural and creative difficulties in their post-academic lives, cultural personality development programmes like Art of Living activities etc., are ongoing on campus

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
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

Along with the usual academic programmes, Chirala Engineering College also arranges a number of extracurricular events aimed at moulding the students into responsible citizens. Since its foundation, the institution has demonstrated a strong commitment to its vision and mission along with its curricula that consistently incorporates academic and socio-personal elements in order to provide a more humanistic approach to the students' professional and personal life processes.

The institution offers to the first and second year students many courses and motivational talks to sharpen their sensibilities because human values, professional ethics, and civic responsibilities have become an even greater part of one's success

on a personal and professional front.

"The Constitution of India" course is also offered to sensitize the students to the fundamental principles of the constitution.

A variety of serve-learn activities are included to the academic education in addition to the courses based on the AICTE model curriculum. Thus, the Women Empowerment Cell, the NSS Unit, the Universal Human Values & PAIE for mental & physical health, the Counselling Cell for various concerns that may emerge, and other bodies have all been incredibly effective in achieving the college's vision.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.9-2022-23.pdf
Any other relevant information	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.9-2022-23.pdf

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.

A. All of the above

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

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

India is one of the most ethnically and religiously diverse countries in the world, where people from many languages and cultures coexist together. On campus, people enthusiastically celebrate national holidays. Additionally, the institute places a high value on regional festivals and encourages everyone—students, teachers, and non-teaching staff—to celebrate them, regardless of their caste or religion.

The institution commemorates all national holidays. The following is a list of a few of the events:

Every year on campus, the institution hoists the American flag in honour of Independence Day. This is followed by the National Anthem, patriotic songs, and numerous appropriate events. The Republic Day is celebrated every year to honour the Indian Constitution. The statement from the chief guest is followed by patriotic songs, speeches, and tributes to all independence warriors. The organisation honours Dr. Sarvepalli Radha Krishnan, a revered educator and national philosopher, on The Teacher's Day which also happens to be his birthday. The college observes Mahatma Gandhi Jayanti on its campus each year in honour of and remembrance of the nation's father. The institution's departments all come together to commemorate Engineer's Day on September 15th, which is also Dr. Mokshagundam Visvesvarayya's birthday, in a big way.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
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.

Teaching and Learning Process:

Objectives of the Practice:

Chirala Engineering College wishes to provide students with the necessary knowledge, skills, and training to enable them to become quality practitioners of their field. The teaching and learning process is central to any educational activities. The heart of this technique is to train facilitators in better teaching learning processes for improved learning delivery.

The Practice:

Chirala Engineering College has taken steps to guarantee that faculty are well prepared in teaching approaches since its establishment. In this sense, faculty development programs for teacher training are ongoing; resource people for these programs may come from national teacher training organizations or senior faculty members on campus.

Evidences of Success:

Classes become more challenging to manage for instructors with less than two years of experience. The perspective shift from student to faculty member is obvious, as most newly hired faculty members are also millennials. They are technologically adept, yet their approach to teaching is not well-informed.

Despite adopting cutting-edge instructional approaches, we cannot neglect the core chalk and talk method. Chirala Engineering College strives to strike a delicate balance between traditional

and contemporary modes of teaching and learning.

File Description	Documents
Best practices in the Institutional website	https://www.cecc.co.in/igac/best-practices/
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

The Institution's vision, goal, and quality policy stress the overall development of the student, which is evident throughout admissions. The institution focuses primarily on providing quality education as well as student development.

1. STREET CAUSE: "FAILURE IS A DETOUR, NOT A DEAD-END STREET" is the motto of Street Cause.

Street Cause is the largest Non-Governmental Organization (NGO) established by students in the state of Andhra Pradesh, with the mission statement "FAILURE IS A DETOUR, NOT A DEAD-END." STREET is a subcategory. This Unit is primarily concerned with the underprivileged classes of society, such as the elderly, orphans, and street children. 'STREET CAUSE CEC UNIT' provides career counseling to government school and college students based on their interests.

The following are also implemented by the institution:

NPTEL COURSE: To improve self-learning skills, students and instructors are encouraged to gain certification in online courses from reputable agencies such as NPTEL, coursera,

Financial Assistance through the Equity Action Plan (EAP): Guidelines in accordance with the equity action plan have been developed to support needy students who are socioeconomically poorer sections of the society for studying in UG and PG programmes at the institution.

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

7.3.2 - Plan of action for the next academic year

- To get accreditation by NAAC with better grade for 2nd cycle.
- To become an Autonomous Institution.
- To get research centre for two branches CSE and ECE.
- To start incubation centers.
- Proposal to apply for NIRF ranking in 2023.