YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	CHIRALA ENGINEERING COLLEGE
• Name of the Head of the institution	Dr. V V R L S GANGADHAR
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	8831040588
• Mobile No:	8331040550
• Registered e-mail	principal@cecc.co.in
• Alternate e-mail	iqac@cecc.co.in
• Address	AKKAYAPALEM (VILLAGE) RAMAPURAMBEACH ROAD VETAPALEM (MANDAL), (PRAKASAM DIST)
• City/Town	Chirala
• State/UT	Andhra Pradesh
• Pin Code	523157
2.Institutional status	
• Affiliated / Constitution Colleges	JNTUK
• Type of Institution	Co-education
• Location	Rural

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**JNTU KAKINADA**	
• Name of the IQAC Coordinator	**Mr. M. Sambasiva Rao**	
• Phone No.	**08831040558**	
• Alternate phone No.	**08831040558**	
• Mobile	**8331040546**	
• IQAC e-mail address	**iqac.cecc@gmail.com**	
• Alternate e-mail address	**principal@cecc.co.in**	

3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.cecc.co.in/iqac/aqar-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
NIL	**NIL**	**NIL**	**NIL**	**NIL**

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	View File	
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)

System is developed to conduct the online classes using Google Class Rooms and Zoom. The courses are carried using online teaching methodology, where the teachers interacted in online instead of conventional face to face communication. the courses are completed in a stipulated time using the latest technologies.

Motivated and encouraged all the department staff to attend online webinars during lockdown period. Departments are encouraged to conduct online webinars, quizzes and seminars during lockdown time using Zoom, Google Class Room.

To take care of the psychological and emotional well-being during lockdown Online face to face counseling services to students, teaching and non-teaching staff were provided.

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
Utilizing online platform for teaching- learning process	All the faculty members utilized online platform – Google Class, Zoom for teaching-learning process.
Collecting the academic/ nonacademic data from the departments through online mode.	The academic/ non-academic data were collected from the departments through online mode.

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

- Name of the statutory body

Name	Date of meeting(s)
GOVERNING BODY	04/03/2021

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021	13/04/2022

15.Multidisciplinary / interdisciplinary

Chirala Engineering 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 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. Our college has offered full support in their endeavor to provide education at the doorsteps of people. During COVID pandemic our college switched over to virtual mode of teaching through various applications viz ZOOM, Google Classroom. This institution is already prepared, especially during COVID-19 pandemic situations and teaching learning process through different online modes. The whole college campus is Wi-Fi enabled. Even slight relaxation in COVID-19 pandemic situation and accordingly visit of students and faculty members to college from different distant areas, helping them to study e-content for all subjects in all semesters. This institution is preparing to make available all such type of e-content material prepared by faculty members to all students through online mode to meet the future challenge.

Extended Profile

1.Programme

1.1   673

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

File Description	Documents
Data Template	[View File]

2.Student

2.1 **921**

Number of students during the year

File Description	Documents
Data Template	[View File]

2.2 **550**

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 **411**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	[View File]

3.Academic

3.1 **104**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File]

3.2 **17**

Number of Sanctioned posts during the year

Extended Profile

1.Programme

1.1		**673**
Number of courses offered by the institution across all programs during the year		

File Description	Documents
Data Template	[View File](#)

2.Student

2.1		**921**
Number of students during the year		

File Description	Documents
Data Template	[View File](#)

2.2		**550**
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		**411**
Number of outgoing/ final year students during the year		

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1		**104**
Number of full time teachers during the year		

File Description	Documents
Data Template	[View File](#)

3.2 Number of Sanctioned posts during the year	**17**

File Description	Documents
Data Template	<u>View File</u>

4.Institution

4.1 Total number of Classrooms and Seminar halls	**56**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**766.53**
4.3 Total number of computers on campus for academic purposes	**464**

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

Preparation of Academic Calendar: Academic calendar has been prepared after the academic schedulewas released by the affiliating University JNTU, Kakinada by the heads of the department in alignmentwith the University academic calendar. This calendar includes the academic details such as schedule for thenumber of working days, internal assessment test and association actives such as guest lecture, value addedcourses, industrial visits, etc.,

Course Allocation /Subject allocation: Courses are allocated to the faculty members based on theirexpertise & 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 andapproved by the head of the department andprincipal.Individual faculty timetables are prepared reflecting his/hercomplete 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 timetable,lecture plan, course outcomes, mapping of course outcomes with program outcomes & program specificoutcomes, attainment levels and targets, identified curriculum gaps, corrective actions, unit wise notes, previous question papers, assignment questionsand laboratory manual for practical courses. After thecompletion 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 feedbackwill 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 everycourse and there are two internal assessment tests (Mid1 and Mid2) as per the regulations. Based on theUnit test and internal Assessment [MID1] Slow learners and advanced learners are separated in everydepartment. 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 eveluate 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 toensure curriculum delivery through a well-planned and documented process.

File Description	Documents
Upload relevant supporting documents	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	No File Uploaded

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

20

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)

9

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
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

349

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

349

File Description	Documents
Any additional information	View File
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 several units such as the NSS (National Service Scheme) team and the WEC (Women Empowerment Cell) team, among others.

Various units are organised activities by the coordinators of the following units, and students are active in various initiatives and topics that are important to their courses, such as Professional Ethics, topics on Gender and Human Values, and Environment and Sustainability.

Chirala Engineering College is connected with JNTUK. As an affiliated College, the College follows the University's curriculum. The University incorporates cross-cutting problems such as Gender, Environment and Sustainability, Human Values, and Professional Ethics into the curriculum. Every year, the College organises Gender Equality programs, emphasising Woman Empowerment, health checkups, and so on.

File Description	Documents
Any additional information	View File
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

126

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	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

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

330

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	[View File](#)
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	[View File](#)
Any additional information(Upload)	[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/iqac/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 sanctioned seats during the year

936

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

118

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: • Slow learner and advanced learners would be identified for each subject separately by respective subject teacher for all the semesters. • Process to identify of slow learners and advanced learners would be conducted immediately after declaration of preceding semester university exam result or after one month of teaching in case of First year • Every subject teacher should conduct class test / online objective type test of their subject on syllabus covered till date or on first unit of 10 marks and duration of one hour to identify slow learners and advanced learners • Slow and advanced learners are identified based on following parameters and their weightage.

Guidelines for identifying Advanced Learners (bright students) 1. Advanced Learners (bright students) are those students who are ahead on the learning curve and require advanced technical skill set 2. Advanced earners are identified based on the performance in University Examination of previous semester and internal examinations

Guidelines identifying for slow learner (Weak Students): ? Slow learners are identified based on their performance in University Examination of previous semester and internal examinations

File Description	Documents
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
921	**104**

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 practices a teaching methodology which focuses on imparting education through a student centric approach. This methodology helps to transform students from being relegated to the role of passive recipients to active and involved stake holders, apart from boosting their confidence and encouraging independence and individuality. Since students vary in their ability to comprehend and absorb it is not possible to address the needs and expectations of individual students and expect a uniform learning outcome from them all in a teacher centric class. The teacher facilitates learning by allowing each individual student to comprehend at their personal level by ensuring their involvement in class activities so that they can absorb and grasp information at their own pace.

Chirala Engineering College provides a platform for students to develop latest and industrial skills, knowledge, values to shape their behavior in the correct manner. All departments conduct innovative programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. The institute organizes annual technical fest through CEC SAPTAVARNA in which

students showcase their learning in the form of innovative projects. Students are motivated to participate in inter college as well as national level competitions.

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 imperative for teachers to adopt the latest ICT technologies for teaching. Therefore, ICT enabled technologies has become an important consideration for curriculum framework. CECC also has adopted ICT-enabled teaching methods in addition to conventional classroom teaching. The faculty use ICT-enabled learning tools such as PPT, Video clippings, Audio systems, online sources, to impart advanced technologies and practical knowledge.

The faculty use multimedia teaching aids like LCD projectors, internet-enabled computer/laptop systems in selected rooms. The faculty use electronic resources from platforms like DELNET, NPTEL, SWAYAM, COURSERA, and the Digital Library for updating themselves with the state of the art technologies. Google classrooms are also used as online classrooms.These platforms facilitate sharing the learning materials, their resources, quizzes and assignments with the students. This also helps in continual and easy assessment of the students' learning progress.The seminar halls are facilitated with multimedia, high internet bandwidth and WiFi for conducting guest lectures and seminars.

File Description	Documents
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	https://www.cecc.co.in/facilities/

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

48

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

17

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

5

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

455

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.

College is affiliated to JNTUK University, and hence, follows its rules and guidelines regarding the assessment and evaluation process of performance of students. The same is communicated to the students through notice boards, social media etc. The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, seminars, and project. Academic calendar is prepared at the beginning of each semester and is made available on the college website and notice boards of the departments. Thus, students know about the dates of class tests (CT), submission of assignments well in advance and hence, can plan accordingly. The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to the students well in advance.

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

Gievance redressal system:

With reference to the internal examination process, the students report to the department coordinators for clarification of Internal Assessment related issues. Grievances like total marks

mistake, not valuation of answer, etc. are addressed by the concerned subject teacher. Grievances like Partiality in valuation, students not satisfied with the marks awarded, etc. are addressed at department level by the department examination committee.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

The process of attainment of COs, POs and PSOs starts from writing appropriate COs for each course of the program from first year to fourth year in a four-year engineering degree program. The course outcomes are written by the respective faculty member using action verbs of learning levels suggested by Bloom and Anderson. Then, a correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course in the program including the elective subjects. The course outcomes written and their mapping with POs are reviewed frequently by a committee of senior faculty members before they are finalized.

Assessment is one or more processes carried out by the department, which identify, collect and prepare data to evaluate the achievement of POs and Program Specific Outcomes (PSOs). Attainment is the action or fact of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by examination results.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	https://www.cecc.co.in/academics/syllabus/
Upload COs for all courses (exemplars from Glossary)	View File

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

For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below: Course Outcome is evaluated based on the performance of students in internal assessments and in End examination of a course. Internal assessment contributes 30% and End examinations assessment contributes 70% to the total attainment of a CO.

After measuring CO attainment for a course, CO-PO mapping table will give Program Outcome attainment levels.

Following are the different methods for Assessment, Evaluation and Measurement of POs/PSOs Direct Assessment methods: [80%] Continuous Assessment: COs are assessed through Sessional & Assignment Examinations and Lab records. The COs are mapped against each question and CO analysis is carried out by faculty for each course and documented. The contribution of COs is assessed in high, moderate and low levels, towards the attainment of POs/PSOs.

Semester-end Theory Examinations: The questions in semester-end examinations are tested pertaining to all COs, in varying Blooms Taxonomy Levels

Laboratory Records: Both continuous and semester-end examinations are conducted to test the COsattainment.

Indirect Assessment Methods: [20%] Programme – Exit survey: This survey taken from the final year students at the completion of their B. Tech programme, stands as the comprehensive feedback for 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

352

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/iqac/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)

15.05

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 departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - 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**

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution 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

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

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

12

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

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

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

0

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

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

Chirala Engineering College organizes several extension activities in the neighbourhood community to promote the students towards social responsibility leading to their overall development. The college has student-oriented wing like NSS, through this wing, the college undertakes various extension activities in the neighbourhood community. With an intention to involvement in a nation building activities, the students are motivated and to lend their hands in different social activities. The extension and outreach activities for the last five years targeted clean and green environment through different functional groups like Swachh Bharat, NSS, and several societal development activities with the collaboration with non-Governmental organizations

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

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

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

5

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](#)

3.3.3 - 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

3.3.3.1 - 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

7

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 last year (Data Template)	[View File](#)

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/

NCC/ Red Cross/ YRC etc., during the year

320

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

3

File Description	Documents
e-copies of linkage related Document	View File
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	**No File Uploaded**

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

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

06

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.

Laboratories:

The laboratories in the college are established with the latest and advanced equipment. In addition to this we have a BIGDATA lab which works as a center for the development of students in research point and to extend their knowledge beyond the curriculum and to develop good projects.

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 the 400 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.

Response:

Cultural Activities:

The college has big auditorium and indoor stadium to conduct cultural and extracurricular 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:

Caroms Chess

Table Tennis

Outdoor facilities:

Volleyball Court Throw ball Court, Basketball Court Tennikoit 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

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

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)

0

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)

Response:

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	https://www.cecc.co.in/facilities/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	A. Any 4 or more of the above

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

5.99

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

NA

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

4.3 - IT Infrastructure

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

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 five years (2017-2018 to 2021-2022) are

shown in below:

a. Procured 464 computer systems for academic purpose.

b. 22 Wi-Fi routers were installed in the institute.

c. Internet bandwidth of 40 Mbps is upgraded to 100 Mbps.

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

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.cecc.co.in/facilities/campus-wi-fi/

4.3.2 - Number of Computers

464

File Description	Documents
Upload any additional information	[View File](#)
Student – computer ratio	[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)

558.51

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

617

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
Upload any additional information	View File
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

308

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	**Nil**
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

250

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

250

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 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	A. All of the above

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	View File

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

250

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

2

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

`1`

File Description	Documents
Upload supporting data for the same	<u>View File</u>
Any additional information	<u>View File</u>

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.

`NA`

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

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., 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	NA
Upload any additional information	**No File Uploaded**

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

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

1

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

The College has an Alumni Association under the leadership of a Sr. Faculty. The Alumni Association work started in the year 2008 and process of registration is in progress. Its motive is to bring together all the alumni to share their experiences and to extend their helping hand and provide guidance to the building engineers of the college. The Alumni Association contributes in academic matters and in student support. Many alumni are engaged in various Technical and Non-technical events through their domain expertise.

All the passed out students of the college became members of the alumni association. The Alumni spread around the globe, support the college in various activities. It organizes yearly meet in College, Hyderabad/Bangalore every year. Alumni association organizes various technical seminars/guest lecturers, motivates and guide students for their academic improvement and career planning.

Some of our alumni pursue higher studies in premier universities of India and abroad. Hence such alumni visit the college and share their knowledge on choosing universities, the process to be undertaken for this and guide the students to apply and secure admissions for post-graduate studies.

They also provide Entrepreneurship Development training for interested students and also encourage students to think of small-budget projects with innovative and beneficial ideas.

File Description	Documents
Paste link for additional information	Nil
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.

OBJECTIVES OF THE COLLEGE:

- To achieve academic excellence in professional education and emerge as a center of excellence.
- To strengthen the college/society in all academic aspects.
- To encourage and support collaborative and cross program initiatives.
- To include high moral, ethical and professional standards among our students and improve their overall personality.
- To improve the communication skills of rural students by arranging special training programmes.

CHIRALAENGINERING COLLEGE-WHERE PROFESSIONALISM SPEAKS

File Description	Documents
Paste link for additional information	Nil
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.

Every year Academic Planner is prepared at the closure of the previous academic year. Principal will convene the HODs' meeting. HODs, Training & Placement, Sr. Librarian and Head of Physical education will attend the meeting. The schedule of the following will be discussed and finalized in accordance with the schedule received from affiliating university.

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

The college has grown significantly during the last 21 years. The institution has a plan for long-term growth. The College encourages its teachers and staff to work together and periodically update their knowledge and abilities to meet the demands of industry in an effort to attain high levels of instruction, training, and resource development. The development strategy includes allocating a sufficient annual budget. The perspective plan will be given to the governing body, which will subsequently ratify expenditures and approve new budget plans. The perspective plan's components will be drawn from departmental and college levels.

Perspective Plan:

- To continue demonstrating excellence in academics
- To design and implement an effective teaching-learning process; To encourage academics and students to conduct research; To develop a comprehensive system for student mentoring and assistance; And To make sure that the evaluation process for students is open and honest.
- To update and enlighten academics on contemporary issues affecting students' academic achievement

- To offer a cozy, efficient, and ideal administrative setting that ensures efficient daily operation.

- Making the Institute's "Centre of Excellence"
- Educating students to prepare them for both national and international competition.
- Obtain NBA certification for all of the organization's programmes.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The system and the stakeholders benefit from the management's transparency. The Governing Body is responsible for keeping track of how the initiatives in the institutional strategic plan are being carried out. Even though a few significant objectives are promptly accomplished, the Governing Body, which is comprised of top management, the principal, HODs, teaching and non-teaching personnel, students, and stakeholders, collaborates to promote the culture of excellence. In addition to its objective and initiatives, the institute's slogan, "We build a better Nation through Quality Education," ensures excellence in every field through a variety of activities. Below is a list of the essential steps.

1. Using innovative instructional methods The HODs are keeping an eye on the processes and advancement.
2. Evaluating professional, expert, and parent perspectives while combining the aforementioned guidance and enhancing services
3. At both the administrative and academic levels, quality preservation efforts are steadfast and demanding. An ISO audit is conducted 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 interfaces	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

Every year following the first year of employment, each employee's performance is assessed. In this sense, the list of current welfare programmes available to both teaching and non-teaching employees is as follows:

1. Medical and maternity leave for qualified employees
2. Pay Increases for Non-Teaching Staff
3. Uniforms for workers who don't teach
4. R. O. Water
5. All staff members have access to the gym.
6. A medical facility.
7. Free staff transportation
8. Staff members have access to a food court during working

hours and after hours at a fair fee.
9. Staff members have access to free Wi-Fi and Internet on campus.
10. Individual cabins and systems are given for faculty members to promote a pleasant environment.
11. Summer vacations for faculty members last 30 days.
12. Non-teaching workers can take skill development courses to improve their abilities in the workplace.

1. Through the institute's research and development centre, all faculty members who improve their research work through high-caliber publications during the academic year are recognised.
2. The administration also offers needy teachers and students financial support through lending a helping hand so they can pursue higher education in our institution in accordance with the requirements.
3. Gratuity for the institution's staff.

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

53

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

54

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

The institution has a mechanism in place for performance-based

evaluation of both teaching and non-teaching staff members. The performance of the employees is evaluated annually based on their participation in extracurricular activities, academic pursuits, and research.

Performance appraisal system for teaching staff

The faculty's efficiency is evaluated Based on their professional contributions to education, their involvement in short-term training programmes, their performance of vigilance duties, and their participation in college administrative bodies like the college academic council, the R&D council, the planning and development committee, the NBA, the NAAC, etc. Student feedback and the percentage of students who pass the course are also considered.

Financial assistance is provided to the faculty with the goal of improving or upgrading their knowledge through attending conferences, seminars, publishing in journals with a Scopus index, publishing books, advising on funded projects, supervising research, winning prizes, honours, fellowships, etc. The material provided in the required format is reviewed by the HOD and Principal to assess the faculty member's attitudes, behaviours, and professional attributes.

File Description	Documents
Paste link for additional information	https://www.cecc.co.in/iqac/criterions/#20-21
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

The independent Chirala Engineering College receives funding from its corpus fund as well as from student fees. Taking a loan from the parent trust allows for the handling of deficits. Faculty members can submit their research proposals to be considered for further funding. These monies are used for laboratory research and development. The institute has a well-defined system in place to track how efficiently and effectively the funding sources are being used to create infrastructure and academic practices.

The institution's budget is created by the accounting department taking into account both continuing and one-time expenses every year. All administrative and academic representatives must submit the needed budget for the ensuing fiscal year. Along with this, the account office has been instructed to receive budget submissions from all cell coordinators, including those for R&D, examinations, T&P, NSS, etc. All significant financial decisions are made by the principal, the accounting division, and the management team of the college.

It is granted as soon as there are urgent needs, following approval from the accounting office. The following components examine and verify all significant financial transactions:

- Training & Placement
- Software & Internet charges
- Research & Development
- Library Books / Journals

File Description	Documents
Paste link for additional information	Nil
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)

4.2

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

30% of applications fall under category B, while 70% of students are admitted through counselling, as the rules for higher education set forth by the Government of Andhra Pradesh.

Term Loan and Hire Purchase Loans

The Institute is able to receive the afore mentioned Loans from Banks at a reduced rate of interest by maintaining high liquidity, DSCR, and Debt Equity Ratios and securing the loans through Banks.

Non Government Bodies and Sponsorship Receipts

Donations are obtained for institutional activities from well-wishers (alumni and others), companies, people, and philanthropists.

Optimal Utilization/ Recurring Expenses

Salary to staff, academic activities and payment of bank interest are done with fees collection.

Infrastructural development facilities and Building construction works

The administration distributes money for building initiatives as well as for the development and modernization of infrastructural facilities. Bank loans and corpus gifts from well-wishers and benefactors are widely used for the same purpose.

AICTE provides financing to the institute so it can buy the newest software, lab equipment, and other supplies.

The college purchases new vehicles through hire purchase loans from banks based on student enrollment, and the loans are repaid with lower interest rates due to the affordable transport costs.

File Description	Documents
Paste link for additional information	**Nil**
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/2023/09/6.5.1-2020-21-Modified.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

Teaching Learning Process:

Chirala Engineering College: Chirala is affiliated to JNTUK, Kakinada. The University revises the regulation every three years and as per the regulations, the University releases Course structure and syllabus for each Undergraduate and Postgraduate programmes. Based on the syllabus released by the University, the Principal in association with Head of the Departments, IQAC, Academic Committee and Examination Committee will initiate a meeting to identify the changes in the new regulation in comparing with existing regulation. If any emerging courses are introduced, based on the requirements, the respective department has to initiate a Faculty Development Program (FDP). The Head of the Departments are instructed to complete the subject allocation based the priorities given by the faculty members.

Structures & Methodologies of operations:

All the faculty members have to prepare their lesson plan, course file before the commencement of the class work. The faculty members have to adopt teaching pedagogy which includes - Chalk & Talk, animations, slides, videos, web links, charts, models etc. During the semester, fortnight report on syllabus status is collected and a review meeting will be conducted by the Head of the Department to ensure uniform coverage of syllabus if required.

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

6.5.3 - Quality assurance initiatives of the	**A. All of the above**

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)

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	No File Uploaded
Upload any additional information	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

The institution wants to equip its students with the knowledge, skills, and resources they need to succeed as professionals in their professions. The teaching and learning process is the focus of all educational activities. The fast changing nature of technology, the shifting perspectives of millennial students, and the introduction of a new generation of teachers all provide challenges to the entire teaching and learning process. This approach's major objective is to enhance learning delivery by instructing facilitators in more effective teaching and learning techniques.

The Context:

There has been a paradigm shift in how we approach teaching during the last few decades. The emphasis is now on the student, with the instructor acting solely as a facilitator of the student's learning, as opposed to being teacher-centered, when the student is merely a passive participant. The demands of the native millennial student population as well as the rapid growth of

science and technology have both changed and disrupted the teaching paradigm. Millennials are frequently among those who have lately begun working as teachers. Teachers must have sufficient training in order for the teaching-learning process to be effective and efficient in this setting.

File Description	Documents
Annual gender sensitization action plan	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.1-Action-Plan-20-21.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/2023/09/7.1.120-21.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

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 college block and sent to the appropriate locations for the purpose of generating organic manure that can be used for plants to maintain 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	http://www.cecc.co.in/wp-content/uploads/2023/09/7.1.3-pdf2020-21.pdf
Any other relevant information	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**

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: 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic** 5. **landscaping with trees and plants**	B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above

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

7.1.7 - The Institution has disabled-friendly,	A. Any 4 or all of the above

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

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).

Response:

The college has beenworkingdiligently to accomplish outstanding results in all areasof administration and other endeavours to create a friendlyenvironment on campus. It also encourages the students to take part in these activities that create an inclusive environment.

To accomplish these goals, the Constitution of India, Professional Ethics, and Human Values are added to the curriculum as a first step to instill these traits among the students

The institution promotes ideological concord and tolerance towards cultural, regional, linguistic, communal, social, and other contexts by conducting workshops, seminars, and lectures.

The college takes steps to commemorate significant holidays and occasions including Ugadi, Sankranthi, Gandhi Jayanti, Dr. B.R.

Ambedkar's birthday, International Yoga Day, Women's Day, and Culture Day in order to preserve cultural variety.

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

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 tosensitizethe studentsto 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	**No File Uploaded**
Any other relevant information	View File

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	**B. Any 3 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	View File

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.

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The Context:

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learning, as opposed to being teacher-centered, when the student is merely a passive participant. The demands of the native millennial student population as well as the rapid growth of science and technology have both changed and disrupted the teaching paradigm. Millennials are frequently among those who have lately begun working as teachers. Teachers must have sufficient training in order for the teaching-learning process to be effective and efficient in this setting.

File Description	Documents
Best practices in the Institutional web site	[View File](#)
Any other relevant information	[View File](#)

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

It is evident from the beginning of the admissions process that the institution's vision, aim, and quality policy lay a great emphasis on the student's total growth. Chirala Engineering College (CEC) is regarded as one of the top colleges in the Bapatla neighbourhood. Around 80% of the students at our college are within the top 35% of EAPCET (Engineering, Agriculture, and Pharmaceutical Common Entrance Test) passers. The provision of top-notch instruction and the development of its students are the institution's top priority. The college regularly encourages students to participate in a variety of activities in order to meet this objective.

1. STREET CAUSE: "IT IS YOUR DECISIONS, AND NOT YOUR CONDITIONS, THAT DETERMINE YOUR DESTINY" is the motto of Street Cause.

Street Cause is the largest student-founded non-governmental organization (NGO) in the state of Andhra Pradesh.Its aim is "IT IS YOUR DECISIONS, AND NOT YOUR CONDITIONS, THAT DETERMINE YOUR DESTINY." This unit focuses on the disadvantaged groups of society, such as the elderly, orphans, and street kids. This Unit also works on awareness campaigns that involve educating slum children life skills, hygiene, and healthier living practices.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- **To Organize NAAC Sponsored National Level Seminar.**
- **To encourage and facilitate research culture, to promote research by students and faculty.**
- **To strengthen Academy for Competitive Examination.**
- **To invite more number of outstanding or eminent subject experts for their interaction with students and faculty.**