



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		KUPPAM ENGINEERING COLLEGE
• Name of the Head of the institution	Dr S Sudhakar Babu	
• Designation	Principal	
• Does the institution function from its own campus?	Yes	
• Phone no./Alternate phone no.	08570256966	
• Mobile no	9393812267	
• Registered e-mail	principal@kec.ac.in	
• Alternate e-mail	mail@kec.ac.in	
• Address	P B Natham post	
• City/Town	Kuppam Chittoor Dt.	
• State/UT	Andhra pradesh	
• Pin Code	517425	
2.Institutional status		
• Affiliated /Constituent	Affilliated	
• Type of Institution	Co-education	
• Location	Rural	
• Financial Status	Self-financing	

• Name of the Affiliating University	Affiliated												
• Name of the IQAC Coordinator	Dr. S. Baskaran												
• Phone No.	08570256966												
• Alternate phone No.	08570256966												
• Mobile	9440760833												
• IQAC e-mail address	viceprincipal@kec.ac.in												
• Alternate Email address	iqac@kec.ac.in												
3.Website address (Web link of the AQAR (Previous Academic Year))	https://www.kec.ac.in/wp-content/uploads/2022/12/AQAR-2020-21.pdf												
4.Whether Academic Calendar prepared during the year?	Yes												
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.kec.ac.in												
5.Accreditation Details													
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>B</td> <td>2.30</td> <td>2014</td> <td>21/02/2014</td> <td>20/02/2019</td> </tr> </tbody> </table>	Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	B	2.30	2014	21/02/2014	20/02/2019	
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to								
Cycle 1	B	2.30	2014	21/02/2014	20/02/2019								
6.Date of Establishment of IQAC	02/12/2013												
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,													
<table border="1"> <thead> <tr> <th>Institutional/Department /Faculty</th> <th>Scheme</th> <th>Funding Agency</th> <th>Year of award with duration</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>INSTITUTION</td> <td>NEW GEN IEDC</td> <td>DST NIMAT</td> <td>2017</td> <td>6000000</td> </tr> </tbody> </table>	Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	INSTITUTION	NEW GEN IEDC	DST NIMAT	2017	6000000			
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INSTITUTION	NEW GEN IEDC	DST NIMAT	2017	6000000									
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	7												

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
The Institute participated in NIRF		
Orientation for NAAC new regulations		
Conduct of OJT training for the vocational college students		
Orientation and induction program for all first year students		
Motivation to student and staff publications		
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	
Submission of AQAR	Submitted	
Conduct of internal audit	Conducted one cycle of audit	
Conduct of student centric programs	Conducted various programs for students	
Apply for NIRF	Applied for NIRF	
Submission of compliance report to NBA	Accreditation extended upto june 2025	
13. Whether the AQAR was placed before statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name	Date of meeting(s)
Steering committee	Nil

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2020-21	19/02/2022

15. Multidisciplinary / interdisciplinary

The Institutions is adequately equipped with infrastructure for multidisciplinary/interdisciplinary focus on curriculum implementation. As per the university curriculum our Kuppam Engineering College is offering 'electives' wide range of multidisciplinary subjects. With the participation of all stakeholders, the Institution shall introduce add on courses in multidisciplinary subjects. The students shall be encouraged to take-up multidisciplinary approach in learning, creative thinking, critical analysis at every stage of the program. Science, Technology, Engineering and Mathematics (STEM) approach in curriculum shall be further strengthened. Efforts shall be sustained to become a 'multidisciplinary institution in the year to come. Teaching-learning shall be further strengthened to promote multidisciplinary/interdisciplinary education practices. Focus shall be further signified towards imbibing best practices in 'multidisciplinary' approach. Adding experimental learning part and skill-oriented learning part in undergraduate curriculum as employability and entrepreneurship enhancement strategy shall be further intensified. The proposal of offering additional two to three compulsory papers with 'multidisciplinary' content shall be considered for implementation with immediate effect. Progressive efforts shall be made to converting single-stream academic programs to multidisciplinary programs. The students shall be endorsed with selection of subjects of their choice based on their requirement that promised them with employability. Entrepreneurship education and training shall be intensified as a co-curricular activity. There shall be bridge courses and value added courses to support multidisciplinary/interdisciplinary education. The 'Minors' shall be further considered to improve the scope of 'multidisciplinary/interdisciplinary. Flexible curricular structure shall be developed through 'curricular revisions' to enable creative combinations of subjects that lead to 'multidisciplinary'/'interdisciplinary' programs both at UG and PG levels. The students are encouraged to take-up multidisciplinary

'real-world' problems to carry out their project works.

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'. The institutions shall make necessary arrangement and amendments in the academic system. There shall be a dedicated system to promote effective management of 'Academic Bank of Credits'. Efforts shall be made to recognize, transfer and redemption of credits gained by the students appropriately. Since the 'ABC' promotes academic credit banking, transfer and redemption within the MEE framework, it is expected to integrate multiple disciplines/programs/courses of higher learning. In the framework of Multiple Entry & Exit in to the programs, ABC shall be made to endorse significant autonomy to the students in providing choices of the courses in the selected program of study and course options across many higher education disciplines and HEIs. Efforts shall be made towards identification of 'Credits' requirement to award certificates, diplomas and degrees. There shall be a system to help the students to track the 'credit' earning progressively. Efforts shall be made to allow the students from commerce stream to take up courses in sciences, wherever applicable, with the help of bridge courses. Since the ABC helps in integrating skills into a choicebased credit system by providing wide-ranging options for choosing courses from several institutions, the institution shall make necessary arrangement to support the same. The Institution shall adhere to the guidelines of University Grants Commission -Establishment and Operation of Academic Bank of Credits in Higher Education Regulations, 2021 in this regard. 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. or of any specified university
- Credits obtained by students by undergoing Skill-courses from Registered Higher Education Institutions offering vocational Degree or Diploma or Post Graduate Diploma or Certificate programmes.

17.Skill development:

To address the skills mismatch, the Institution shall take up initiatives as envisaged in NEP-2020 towards skill development for the students. The Institution shall strengthen the curriculum with adequate skill development content. Being aware that the two

major reason of skill shortage are faculty and facility, the institution shall strengthen both. Wherever deemed, the faculty shall be encouraged to take up initiatives like 'Train the Trainer' along with STTPs. This facilitate the institution to use the facility potential of the institution to be utilized maximum for skill development. The institution shall tie-up with State and Central government initiatives to promote skill development. Some of the initiatives include, Ministry of Skill Development & Entrepreneurship (MSDE); Pradhan Mantri Kaushal Vikas Yojana (PMKVY); Skill India; SANKALP; National Skill Development Mission; and other state initiatives like APSSDC. The Institution shall offer training, skilling, up-skilling and re-skilling for the students on rolls and neighboring students/unemployed youth. There shall be regular training and skilling activities organized for the benefit of the students. A skill development programs/activities calendar shall be floated to provide the information on skill development activities to the students. Laboratory experiments shall be strengthened to promote skill acquiring by the students. The Institution shall make necessary arrangement to provide skill development for college drop-outs and unemployed youth through short term courses that fetch employment to them. The Institution shall procure training infrastructure for the selected areas to provide skill development for the students. In consultation with the statutory bodies, the institution shall offer certificate/diploma program through skill development infrastructure of the Institution. The institution shall apply for 'fund' to prospective funding agencies to support skill development at the Institution. In collaboration with industry, the institution shall organize skill development program and related activates that benefit the students.

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

Encouraging this sort of skill in languages will only ever benefit the student. But, more importantly, it is because India is a land of diverse cultures and languages. The institution offers students an opportunity to learn foreign languages. However, in view of the NEP-2020 envision on teaching-learning in the Indian languages, the institution shall float an environment where students can engage in teaching learning in their mother tongue. Since these efforts shall endorse the students with 'self-esteem', there shall be initiations to teach the part of the course in the local languages. Learning resources shall be developed to support the same. However, the importance of communication in 'English' shall not be discouraged because of the nature of working environment for

the engineering graduate demanding the same. The teaching-learning in local language shall be considered as an opportunity to curtail 'dropouts' from early stages of the program duration. Languages like Hindi, Sanskrit and other local languages shall be taught on need basis to promote 'Unity in diversity'. The ability to express the views, ideas, thoughts, opinions, etc., by the student shall be addressed with a mix of English and local languages. There shall be certificate programs offered by the institution on 'local languages'. The novel approach of 'multidisciplinary-multilingual' shall be adopted wherever deemed fit. It is our responsibility to preserve these cultures & languages and learn them as best as we can, and the institution shall put the efforts in this direction. Through the policy envision, it is a way of learning that combines several disciplines and fields of study and provides a broad-based education that solve local and global problems.

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:

Sensing the need for the distance education and online education, the institution shall float modules that can be offered in distance mode/online mode. Study Webs of Active Learning for Young Aspiring Minds (SWAYAM), Digital Infrastructure for Knowledge Sharing (DIKSHA), will be long-drawnout to provide teachers with a structured, user friendly, rich set of assistive online tools for monitoring the progress of student learning. Learning management systems shall be made mandatory for the entire faculty to promote online education. Required digital infrastructure shall be updated to support digital learning. Appropriate existing e-learning platforms will be strengthened and content creation, digital repository, and dissemination shall be encouraged in academic practices. A digital repository of content including the creation of coursework, Learning Games & Simulations, Augmented Reality and Virtual Reality will be developed for the benefit of the students. Uses of Virtual Labs are encouraged. Existing e-learning platforms such as DIKSHA and SWAYAM will also be made available to the students to have equal access to quality practical and hands-on experiment based learning experiences

Extended Profile

1.Programme

1.1	11
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1401
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	315
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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		388
Number of outgoing/ final year students during the year		
File Description	Documents	
Data Template	View File	
3.Academic		
3.1		139
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		139
Number of sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1		46
Total number of Classrooms and Seminar halls		
4.2		252
Total expenditure excluding salary during the year (INR in lakhs)		
4.3		690
Total number of computers on campus for academic purposes		

Part B**CURRICULAR ASPECTS**

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The curriculum is designed & framed by the Board of Studies (BoS) of the affiliating University and approved by the Academic council of the Jawaharlal Nehru Technological University Ananatapur.

The calendar of events includes the academic committee meetings, department meetings, parents' meetings, and various events to be conducted at the Institute level, attendance finalization & display of results, conduct of internal assessment, university lab & theory end exam schedules. The heads of the departments ensure the adherence of all the academic activities as per the calendar of events.

The department faculty members prepare the class time table and lesson plan as per the JNTUA guidelines. Lesson plan includes lecture hours, topic to be taught and tutorial classes during the semester.

All subjects in charges maintain course files which includes copy of syllabus, timetable, list of students, lesson plan, IA Marks Analysis, previous examination question papers, IA question papers with scheme of evaluation and performance details of the students.

The gaps in the curriculum are identified as per the industry requirements. Webinars, Seminars, student development programme, and Internships are organized to bridge the gap between industry and academia Placement training activities are also introduced for the pre-final and final year students.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.1.1.pdf

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

The college adheres to academic calendar provided by Jawaharlal Nehru Technological University (JNTUA) Ananatapur. Based on this academic calendar, the institution prepares the academic calendar / Calendar of Events which includes the dates of commencement, completion of syllabus, schedule of internal exams, Working days, teaching days, internals marks submission, seminars, guest lectures, workshops, industrial visits, holidays, dates of semester end examination etc.

As per the academic calendar and guidelines of the University, Timetable is prepared by senior faculty and after approval from respective Heads of the department & Principal it will be circulated to all the faculty members and students before commencement of the semester.

Calendar of Events and Timetable both published on website of the college. Internal Assessments are conducted as per the calendar of events. For implementation of Internal Assessment Process, Examination committee is formed at college level which monitor overall internal assessment process. Continuous Internal Assessment review is taken by the Principal regularly. In addition, IQAC conduct internal audit to verify the compliance to academic calendar/ calendar of events with documentary evidence.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.1.2.pdf

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.

A. All of the above

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

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

1.2 - Academic Flexibility

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

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

11

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
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)

14

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

1401

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

The Institute has made all efforts to build healthier working environment & issues related to Gender, Environment and Sustainability, Human values and Professional Ethics into the curriculum.

Human Values and Professional Ethics The University has made mandatory to study the "Constitution of India" to provide basic information about Indian constitution, to identify individual role and ethical responsibility towards society and to understand human rights and its implications.

Gender Sensitization: To prevent sexual harassment at workplace and to empower the women employees, the Institute has constituted Women Empowerment Committee and Anti-Sexual Harassment Committee to effectively curtail any unhealthy working condition. Equal opportunities are extended to all in every aspect of teaching and learning in the Institute. Students of both genders holistically participate in various co-curricular activities organized in house & outside the Institute.

Environment and Sustainability The University has made it compulsory to study "Environmental science" in their regular curriculum to create awareness related to various environmental issues the world is facing. Students are given ample opportunity to learn about the climate change and potential hazards of climate change. Various extension programmes are being organized by the Institute to create awareness among the rural community.

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.	No File Uploaded

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

116

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

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

372

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

A. All of the above

Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

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

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

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.4.1.pdf

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Enrolment Number Number of students admitted during the year****2.1.1.1 - Number of students admitted during the year**

418

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**

193

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

We identify students as slow learners and advanced learners based on the internal & external tests, class attendance and performance in the lab and participation in class room activities. The performance evaluation will be done in beginning of every semester and students are classified in to two categories.

Advanced learners: The toppers of each class are appointed as Class Representatives and HoD Nominee for the department who are part of students' council and member of various professional bodies. It gives them a chance to develop their communication, leadership & team building skills. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities.

Priority will be given to participate in Hackathons, Paper Presentations, and Project Competitions, Summer Projects and Internships. They also help slow learners through peer learning during campus interviews.

Slow learners: The institute, give emphasis on improving the performance of slow learners by providing remedial programmes which are conducted out of regular classes. Specifically, for difficult subjects like Mathematics, Engineering Drawing and Engineering, Basic Electrical Engineering.

Academic and personal counseling are given to slow learners by faculty counselors, mentor and counseling cell.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.2.1.pdf
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
1401	139

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

Experiential learning

Students are allowed to conduct experiments independently in practical classes. Mini projects at third year level and major projects at final year level will help in imparting the required technical skills to the students. They are encouraged to do the internships in industries & industrial visits as a part of industry institute interaction. Mini project exhibitions are being organized to showcase their skills.

Participative learning

Students are motivated to participate in Quiz Competitions, Paper Presentation, Technical Seminars and Online Certification Courses to get the participative learning environment. Student development programs and workshops are conducted to enhance the learning capabilities of the students. Classrooms are provided with projector and internet facilities (Videos, NPTEL) to enhance their knowledge.

Problem solving methodologies

Encouragement is given to take part actively in AICTE sponsored Hackathon every year & motivated to participate in National level Project exhibition to enhance the problem- solving ability.

Students are motivated to take part in Training and Placement, Entrepreneurship Development and Incubation Centre (IEDC) and assisting in consultancy activities.

Students are involved in assisting research work with Quality Assurance, Research, Innovation, Incubation, Industry Interaction, Development, Entrepreneurship, Education and Social Responsibility.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.3.1.pdf

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

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning.

The teachers of KEC use online education resources, Social networking sites (WhatsApp), blended learning platforms like google classroom to effectively deliver teaching and provide enhanced learning experience to the students.

The library also provides access to computers and on line journals freely available in public domain and also to journals subscribed. Anti -plagiarism software is used to check authenticity of thesis submitted by UG/PG students. Photocopying facility is also provided.

Online Classes - Faculties are engaged the online classes by using google class room platform during the pandemic situation.

PowerPoint presentations- Faculties are encouraged to use power-point presentations in their classroom teaching.

Industry Connect- Along with classrooms, Seminar halls & laboratories are digitally equipped where guest lectures, expert talks and various hands-on sessions are regularly organized.

Video lecture- Recording of video lectures is made available to students for long term learning.

Online competitions- Various technical events and management events such as Poster making, Debates, paper presentations etc. are being organized.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

117

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
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

139

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

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

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

20

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

685

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.

The institution is affiliated to JNTUA, and hence, follows its rules and guidelines regarding the assessment and evaluation process.

Two internal assessment tests are carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project.

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.

For theory courses, question papers for the are prepared at the department level by referring old university question papers /

question bank / book referred in by university.

Quality of question papers are checked and approved by program coordinator / HOD.

Five assignments are given by faculty teaching the subject and it will be evaluated.

Answer scripts are evaluated and signatures obtained from students .

For assessment of seminars, summer internship and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the HoD and is communicated to students.

Students present their work or report to the coordinator via PPT mode and evaluated based on the rubrics set. For assessment of laboratory course an internal practical viva conducted by internal & external examiners at the end of course.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.5.1.pdf

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

College Level:

If a student is not able to appear for examination due to medical or any genuine reason examination is conducted as per norms, provided that he/she submits application with proper documents.

The grievances of the students with reference to assessment are made clear by showing his/her performance in the answer sheet. The answer sheet of such student is assessed by the faculty once again in the presence of the student. Any corrections in the total marks or assessment of answer books as identified by students are immediately done by the faculty members.

Any student who is not satisfied with the assessment and award of marks may approach the concern Program coordinator / HOD who can

intervene and address the grievance of the student.

The student performance is displayed on the notice board and the same is informed to the parents.

University level:

With reference to evaluation, if the student scores less mark than expected, he/she can apply for reevaluation of his/her answer script after paying the prescribed fee.

University provides the photocopy of answer sheets to students regarding any grievances with reference to evaluation. Student can apply for reevaluation if he/she feels that evaluation is not correct.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

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

College follows the outcome-based education; hence the Program Educational Objectives (PEOs) Program specific outcomes (PSO) are defined by each department for each program. For defining the PEOs and PSOs the institutions consultative process involving the stake holders and are in line with the vision and mission of the college and department.

The institution, the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi. The Course Outcomes (COs) for each subject is prepared by course coordinator / course in-charge. The POs, PEOs, and PSOs and COs are available on college website and are also communicated to students, teachers during the various meetings / orientation programs conducted also displaying at following location:

- Departmental Laboratories
- Class rooms
- Course files

- **Laboratory records.**

The COs is also disseminated to students through faculty announcements to the students during the beginning of each semester and from time to time during the entire semester.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.6.1.pdf
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

Initially attainments of Course Outcomes (COs) are computed using both direct and indirect methods. Attainments of Program Outcomes (POs) and Program Specific Outcomes (PSOs) are done from the attainment of COs through course and program articulation matrices.

Attainment Procedure of COs: It is done using direct method and indirect method. As a part of the direct method, CO attainment is computed using marks obtained by the students in Continuous Internal Examinations (CIE) and Semester End Examinations (SEE). Weightages of 30% and 70% are assigned to CIE and SEE respectively to compute direct CO attainment. Course end survey is conducted for each course and indirect attainment of COs is computed.

Attainment Procedure of POs/PSOs: Attainment of POs/PSOs is done from the attainment of COs. From the attainment of CO and course articulation matrix, direct PO/PSO attainment is done for each course. By using program articulation matrix and PO/PSO attainment of each course, direct PO/PSO attainment for the program is calculated. Indirect attainment of POs/PSOs is done using Program exit survey, Employer survey and Alumni survey. Final attainment of PO/PSO is done by assigning weightages of 80% and 20% to direct and indirect attainments respectively.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.6.2.pdf

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

303

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://forms.gle/MJG2ZXhsjYsHY4gb6>

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)

76.14

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

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

3.1.2.1 - Number of teachers recognized as research guides

5

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

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

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

2

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	https://www.ediindia.org/nimat-project/

3.2 - Innovation Ecosystem

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

Institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of

knowledge.

The college has a Research and Development Cell to monitor and address the issues of research by a senior professor. Functions of the Committee:

- Creating research traditions among faculty members and students.
- Motivating to undertake minor and major research projects from various funding agencies.
- Identification and assisting for finance from Management as well as funding agencies like DRDO, DST and AICTE.

Entrepreneurship cell:

KEC received the fund Rs. 2.6 crores for establishment of NewGen IEDC from DST govt. of India at our college for the period of 5 years from the academic year 2017-18 to 2022-23. The following were the functions of IDEC at our KEC.

- To motivate, support and mentor students for identification, development and commercialization of their innovative ideas.
- To initiate targeted number of innovative student projects each year, for new product development.
- To organize Business Plan Competitions/Innovation Camps/Hackathons with active involvement of industry and alumni.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, technologies information, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kec.ac.in/research-development/department-events/

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

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

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

3.3 - Research Publications and Awards

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

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

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

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

46

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

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

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

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

3.4 - Extension Activities

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

The student volunteers visit neighboring localities and conduct various activities regularly. Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development. Our college organizes and participates in various extension activities with a dual objective of not only sensitizing the students about various social issues but also contribute to the community and strengthen community participation. The NSS unit of our college take part in various initiatives like

- Plantation in and outside the campus
- Swachh Bharat initiatives
- Blood donation camps
- Awareness programs on AIDS prevention
- Leprosy prevention and awareness
- Dengue Awareness program
- Environmental pollution
- UBA Survey

India is the birthplace of Yoga and by participating in International Yoga day students become global stakeholders in ensuring sound mind in a healthy body. Programs like rainwater harvesting and conservation of drinking water, tree plantation drive, sowing the seeds in Kuppam forest. Blood donation camps in the College is regular feature (twice a year) whereby students and staff donate blood for the cause. The camps facilitate blood drawn up to 150-200 units which is sent to PES, medical college.

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

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

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

8

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

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

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

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

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

3.4.4.1 - Total number of Students participating in extension activities conducted in

collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

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

3.5 - Collaboration

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

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

175

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

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

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

9

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.

Classrooms and Seminar Halls

- **Forty two classrooms with ICT facilities**
- **Four seminar halls with ICT facilities**
- **Twenty seven LCD projectors**
- **One LED TV**
- **One LED Digital Board for displaying the events and academic activities of the College**
- **Green chalk boards in all the classrooms**
- **Media Centre and Lecture Capturing System for developing E-contents**
- **Communication laboratory**

The college established the following industry supported laboratories in the campus.

- **CBT (Computer Based Training & Design Lab)**
- **Electronics Home (Domestic)**
- **Electronics Office (Commercial)**
- **Manufacturing-CNC**
- **Manufacturing-Welding**
- **Auto -4 Wheeler**
- **Auto-2 Wheeler**
- **CISCO Center**
- **Oracle WDP Center**
- **Texas Instruments IoT Center**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.1.pdf

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

The institute has Cricket, Football, Ball Badminton, Volleyball, Indoor, Basketball, Throw ball, Kabaddi, Badminton courts. Also the indoor for shuttle badminton, chess, carom, Table tennis are available in the campus.

A number of players have played district, university, state and even national level games.

To conduct cultural activities in the college, there is a cultural committee. This committee organizes many cultural programs including literacy events. The institute conducts ethnic day every year to understand the various states cultures. Also conducts the festivals of various religions. Some interesting programs by the committee are fashion show, solo dance, group dance rangoli, painting, mehandi, mime show, skit, etc. There is open auditorium with the gallery can accommodate around 3000 members.

There is a separate room for Gymnasium attached with the indoor stadium.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.3.pdf
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)

275

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

4.2 - Library as a Learning Resource

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

The KEC Campus has a spacious Central Library with an area of 71 Sqm. The faculty members and students of the institution utilize the library for continuous learning and to enhance their knowledge. The Library is well equipped with a reading capacity of 200 readers and is also Wi-Fi enabled. Digital Library is spread over 65 Sq.m and has 20 Computer systems. The Central Library has various Text books, Reference Books, eBooks, Journals, Magazines, eJournals, Project Reports, Tutorials and NPTEL Video Lessons related to engineering and Allied subjects. Central Library has a collection of fascinating books which includes Encyclopaedia, Handbooks and Dictionaries, GATE, Competitive exam books and videos that supports the content beyond syllabus.

The software called easylib was procured for the purpose of library automation. It gives the flexibility to the staff and students to search and reserve the books through online. The same software is used for issue return of the books.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.2.1.pdf

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	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

0.83

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

350

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**

Institution has adequate and latest IT infrastructure. The IT infrastructure and resources are updated and upgraded continuously as per the requirements and changing technology. The entire Institute is Wi-Fi enabled with necessary firewalls and computer labs are connected through LAN with internet facilities.

IT department extend the complete support to the students. It is made available by setting and installing the Wi-Fi zones at various locations such as Reading halls, Hostels, Department corridors and at the Green lawn area. Staff and Students can access this facility on their Laptops by registering themselves, which enables the students to prepare for the competitive exams, develop projects, writing journal papers, power point presentations.

The institute have the internet 1:1connectivity from different vendors BSNL, Reliance JIO, Airtel.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.3.1.pdf

4.3.2 - Number of Computers

690

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

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

4.4 - Maintenance of Campus Infrastructure

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

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

251.93

File Description	Documents
Upload any additional information	View File
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.

Standard procedure has been framed for civil maintenance, laboratory, power supply, software up keeping, library, and laboratory maintenance. Each Laboratory Incharge maintains a stock register of equipment, instruments and machines.

Lab in-charge prepares list of equipment / machines and prepares a plan for preventive maintenance to ensure smooth and uninterrupted

functioning of equipment / machines. The preventive maintenance schedule contains the details of the parameters to be maintained with intervals for all the equipment / machines available with the laboratory.

Breakdown Maintenance: If the breakdown is minor in nature, the same is attended to by the technician attached to the department. If the breakdown is major, lab in-charge will initiate action to repair the same in shortest possible time through an external agency, after getting approval from the HOD.

Calibration: Lab-in-charge of each Laboratory prepares and maintains a list of meters, gauges and other measuring instruments and testing machines, which need periodical calibration. The Lab-in-charge in consultation with HOD scrutinizes the list to decide on the external and internal calibration of equipment.

Computing equipment's: The maintenance of computers and common equipments is under the charge of in-house System Administrator and Officer-Administration respectively. Maintenance work includes, a) Installation b) Maintenance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.4.2.pdf

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

832

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

102

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

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.1.3.pdf
Any additional information	No File Uploaded
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

1401

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

1401

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

5.1.5 - The Institution 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	No File Uploaded
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

310

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

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

5.2.2.1 - Number of outgoing student progression to higher education

02

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	View File
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

13

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

5.3 - Student Participation and Activities

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

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

2

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

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

Student committees/clubs are operational in the college to showcase the student's representation and engagement in various administrative, co-curricular and extracurricular activities:

Class Representatives: all classes have two students designated as class representatives. They are responsible for representing any issues related to academics/non-academics to concerned HoDs/Class teacher.

Student Clubs (department level): departments organize the engineering activities through student clubs. Each club is run by students. Clubs have well defined structure & assigned roles.

There is a college level clubs for co-curricular and extra-curricular activities were established to bring out the inner skills of students.

Cultural and Sports Committees: Students have strong representations in all cultural and sports committees. They help in organization and management of events.

Major events include annual sports competition and Annual cultural event 'Nagastra'.

Placement Committees: student members are important components in placement activities. Student members are being involved for coordinating the activities during placement drives at campus.

Technical Events: student members are part of organizing committees for all the engineering activities at department/institute level. Some of these activities include conferences, coding & project contests, technovation, quiz competitions, student club activities etc.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.3.2.pdf
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

23

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

KEC Alumni Association is created to build an engaged supportive alumni committee. It plays an important role in shaping the future of the college. The association is in the process of registration under the society registration act the bylaws have been framed for the better connect of alumni with college.

A good number of alumni are occupying eminent position and contribute to their parent institution. Each member contributes Rs 500 in the first year after their graduation. This fund is used to conduct activities of the association.

The members of the association contribute in the following manner

- Feedback on curriculum
- Teaching learning process
- Bridging the gap between industry and academia
- Members in various committees in the college
- Guest lectures to the students
- Interaction and mentoring the students

Alumni meets are conducted periodically for networking strengthening the social relations and sharing the expertise with the students for guidance projects placements internship and competitive examination. Alumni are also engaged in providing placement support and Research activities. They are helpful in promoting innovation and patenting.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.4.1.pdf
Upload any additional information	No File Uploaded

5.4.2 - Alumni contribution during the year A. ? 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The management and Principal actively participate in GB for ensuring that the policy statements and action plans are aligned for attaining the mission of institute, disseminates the vision and mission to all stake holders and involve them in forming the policy statements.

The Principal makes action plans in consultation with faculty members to review of outcomes from the implementation of action plans through meetings with functional committees.

The Principal ensures that all stakeholders are involved in different activities.

The requirements of the society for policy making and planning are collected by the Principal through interaction with various stakeholders.

For the reinforcement of cultural excellence the vision, mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions.

Perspective Plan: The perspective plan for next five years of the includes accreditation, research center, permanent affiliation, autonomy, center of excellence and collaborations for higher studies and student placement.

Participation of the teachers: Through participative management, the faculties are involved in various decision making bodies of the institute.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.1.1.pdf
Upload any additional information	No File Uploaded

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

Various committees were formed and delegated powers for taking administrative decisions.

Academic Committee (CAC) To implement the university norms and polices and decisions of management Preparation of Academic calendar Review of the syllabus coverage.

Entrepreneurship Development Cell (EDC) To provide a support system for technocrats and entrepreneurs.

Research Advisory Committee (RAC) Development of in house projects Interaction with industry for consultation projects Establishment of Incubation centers / Center of excellence applying for proposals and Research Grants.

Internal Quality Assurance Cell (IQAC) Preparation of quality manual and procedures for Quality improvement of the college Coordinating with all committees for smooth functioning.

Anti-Ragging Committee To maintain discipline in the campus and to ensure the implementation of guidelines/ order issued by AICTE/UGC/University/Govt.

Grievances Redressal Cell (GRC)

Women Empowerment Cell (WEC) Educate the staff (Teaching and Non-Teaching) and the students' community towards gender sensitization.

All the departments of the institution have established student councils which are termed as department associations. These student councils are run by the students and a teacher mentor is allotted to supervise the planned activities.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.1.2.pdf
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

KEC believes in hard work and excellence in all dimensions in the

way in which the faculty and the students gets opportunity to learn new skills to meet the global changes happening in day to day life.

The institute has successfully implemented many strategic plans in the past years. One such plan is the research center named Quality Assurance in Research, Innovation, Incubation, Industry Interaction, Development, Entrepreneurship, Education and Social Responsibility.

INDUSTRY INSTITUTE INTERACTION

To reduce the gap between industry and academia, the team interacts with various industries. The feedback will be provided to Course refinement and update the syllabus by implementing new add on courses and value added courses.

Entrepreneurship Cell - IEDC

To respond effectively the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises. IEDC receives around 60 lakh fund for the development of prototypes in the college. This makes the students to become entrepreneur after the graduation.

Team KEC Training Division focused on enriching the Skills of the students in various aspects apart from regular curriculum which includes Design Thinking, Value Added Course etc.,

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.2.1.pdf
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 institution has a well-marked administrative set up conforming to the norms of the AICTE and the affiliated university. Governing body of the college reviews the institutional strategic plan which in turn sets the academic aims and objectives of the institution and approves the financial and curriculum requirements.

Various stakeholders of the institute are members of different committees constituted by the institution. As per the university guidelines, IQAC Cell, Anti-ragging Cell etc. are also in place for the institution.

There are various committees with well-defined functions that give academic and administrative leadership to the institution. A committee comprising of administrative staff and faculty members are involved in the planning and implementation, academic audit and evaluation.

Academic Committee, Purchase Committee, Student Affairs Committee, Library Committee, Grievance Committee, Anti sexual Harassment Committee, Faculty/Staff Development Committee, SC/ST Committee, Equal Opportunity Cell and Women Empowerment Cell have been formed and members are inducted into the committee.

Service rules and procedures are as defined and displayed in the website. All the newly recruited staff and the newly admitted students are made aware of these rules through orientation programmes.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.2.2.pdf
Link to Organogram of the institution webpage	https://www.kec.ac.in/governing-council/
Upload any additional information	No File Uploaded

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	View File
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

College has staff quarter inside the campus, which is provided to the teaching and non-teaching staff members with free of cost. Also food and accommodation is provided for the staff members in the hostels at a concessional rate.

Financial assistance is provided to faculty to participate in training programmes, Seminars, workshops, conferences and publication of books.

The College plies eight buses that provide access to different places. One senior faculty in each bus is allowed to travel free of cost and other staff members who are in need of the same can utilize the facility at a concessional rate.

Provident Fund is applicable to the staff of our college from their date of joining the institution.

All the staff members of our college are covered under life insurance.

The staff members can avail the various leaves as follows

- Marriage leave
- Sick leave
- Ph.D. Leave
- Vacation leave
- Maternity leave

Children's of our college staff members are eligible for fees concession in various institutions run by our society.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.3.1.pdf
Upload any additional information	No File Uploaded

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

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

25

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

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

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

6

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

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

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

68

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

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

A good performance management system works towards the improvement of the overall organizational performance of teams and individuals for ensuring the achievements of the overall organizational mission and vision.

An effective performance management system plays a crucial role in

managing the organization in an efficient manner. Institute is following the appraisal scheme suggested by AICTE viz. Performance Based Appraisal System (PBAS). In this scheme, the performance s are classified into three categories

1. Teaching, Learning and Evaluation related activities
2. Co-Curricular, Extension and Professional Development related activities
3. Research Publications and Academic Contributions

At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the preforma. Based on the data collected, API scores are calculated. These scores are used for the award of career advancements to faculty members and for promotion to next higher position. Further, during the semester, feedback forms are collected from the students for each of the courses attended by them. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. Principal & HOD suggests suitable measures to improve the teaching-learning process.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.3.5.pdf
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 Institute has a mechanism for internal and external audit to ensure financial compliance. The institutional accounts are regularly audited. The observation of the auditors if any is immediately corrected / rectified.

The internal audit is an ongoing continuous process. Qualified Internal Auditors from external sources are permanently appointed and a team of staff make a thorough quarterly check and verification of all payments, receipts & journal vouchers, cash books, ledger account review that are carried out in each financial year on an accrual basis system.

The external auditor appointed by the college performs audit of the financial statements of the college. The financial records are audited by qualified chartered accountants at the end of each financial year and income & expenditures, balance sheet are certified. Statutory financial audit of institute is conducted in two sessions, first in the month of October / November for a period of six months starting from 1st April to September and second in the month of May/June for the period from October to March. Finalization of account is completed in June and audited statement is prepared in July. All accounting systems are accrual based, computerized and maintained on Tally.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.4.1.pdf
Upload any additional information	No File Uploaded

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

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

0

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

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

The process involves various committees of the institute as well as the Department Heads and Accounts office.

- The student Tuition fee is the major source of income for the institute.
- Various government and non-government agencies sponsor for projects, events like seminars and workshops.

- Alumni contribute to the institute by raising funds.
- A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses
- The quotations received are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- The budget is scrutinized and approved by the top management and Governing Council.
- The grants received by the college are also audited by certified auditors. Optimal utilization of resources
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.4.3.pdf
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

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

The IQAC Cell of the college works towards improving and maintaining the quality of education in the institution.

The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted.

The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback.

The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives:

- Strategic planning of key areas and assigning responsibilities
-
- Academic results
- Collection of feedback on infrastructure and curriculum
- Curriculum gap analysis and action plan
- Faculty development programs
- Research and development
- Institutional and program accreditations.
- Preparation of AQAR and submission of the same to NAAC.
- Academic and administrative audit.
- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.1.pdf
Upload any additional information	No File Uploaded

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

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute and strictly followed. Admission to various programmes, summer and mid-term vacations, examination schedule are notified in the Academic Calendar.

Induction program for all first year students are conducted every year made awareness on needs to the society, quality aspects for youth of our country, new education policy, teaching learning process, continues evaluation, compulsory core courses, co-curricular and extra-curricular activities, discipline and culture of the college.

Students are apprised of the Time-Table, Programme structure, syllabi of the courses before the semester commences.

The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

The major initiatives taken for the students improvement

- Curriculum Development Workshops for many subjects
- Green initiatives in Campus - tree plantation
- solar photovoltaic power plants, e-vehicles etc.
- MoUs with prestigious Institutes, Universities, Govt. agencies
- Application for NIRF and NBA Certifications

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.2.pdf
Upload any additional information	No File Uploaded

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
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

- Well-trained and vigilant women Warden and Assistant Wardens appointed to the Girls Hostel in the campus.
- Security checkpoints are provided at all campus entries and

exits.

- Strict implementation of Anti-Ragging measures and keeping the campus ragging free.
- Separate hostels are provided for girls with appropriate security arrangements and hostel committees are formed to take care of the students.
- Security guards are deployed at main gate and students with valid identity cards are allowed into the campus.
- The college campus is under surveillance with CC cameras installed at prominent locations.
- Sufficient lighting is provided in the campus during nights in case of extension of regular hours for placements or cultural activities
- Internal Complaints Committee (ICC) interacts regularly with the girl students and resolves the issues addressed by them.
- The college ensures social security through Anti-Ragging Committee and Grievance Redressal Committee.
- Faculty counsel the students during mentoring regarding academic performance, career plans and personal issues

Health Centre is available in the campus with qualified physician

File Description	Documents
Annual gender sensitization action plan	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-7/7.1.1.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	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

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

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

College has installed Total 350 KWA Rooftop Solar Power Plants to harness the solar energy on RESCO mode since 2017. MOU signed SWELECT energy system for installation of solar panels.

Excess (surplus) solar energy generated by rooftop solar modules are exported to the grid of electricity distribution utility. Direct saving in electricity bills are availed from electricity distribution utility on monthly basis.

Sensor based street lights were installed, based on the day light automatic on and off takes place.

LED bulbs were procured and fixed in various places like class rooms, laboratory, office rooms and streets to promote energy efficiency.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **A. Any 4 or All of the above**

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

File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	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	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

A. Any 4 or all of the above

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	No File Uploaded
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
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).

The institution has been taking efforts and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. By celebrating many National and International Days, Events and Festivals the institution aims at bringing tolerance and harmony among the students and staff and other stakeholders.

With great fervor the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Sardar Vallabhbhai Patel, Pandit Jawaharlal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, Lal Bahadur Shastri. On birth anniversary of Sardar Vallabhbhai Patel on October 31, institution celebrates Rashtriya Ekta Diwas (pledge is taken by staff and students on National Integration Day) every year.

The college celebrates cultural and regional festivals like Youth Festival, Constitution Day, onam, Christmas, Sankranti, etc. to teach tolerance and harmony to the students. The Gender Equality Policy focuses on equal access, opportunities, and rights for women and men.

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

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. Many of the subjects offered have topics which sensitize the students about the constitutional obligations. The University has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitizing the students and employees to constitution obligation .As a part of strengthening the democratic values. Also, all students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc.

In addition to this many regular programs are conducted by Institute Innovation Council (IIC) cell of the institute to educate women about their rights. Also seminars and workshops are conducted on days of national importance on various rights, duties and responsibilities of citizen. Seminars on topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-7/7.1.9.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code **A. All of the above**

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

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	No File Uploaded
Any other relevant information	View File

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

National festivals create an environment in which students come together with similar sentiments portraying national unity and humanism. In a given academic year the college commemorates as many days of significance as possible. The range of activities to commemorate the day is diverse Birth and Death Anniversaries of prominent figures are commemorated with earnestness and enthusiasm.

National days like Independence Day and Republic Day are marked by mandatory hoisting of the flag. Dr. BR Ambedkar Jayanti is celebrated every year on 14th April during which prominent speakers address the staff members of various aspects of the life of Dr. Ambedkar. Gandhi Jayanti is an occasion that is commemorated by the college by Organising a talk for the staff members as an opportunity of getting to know the principles of our great leader. Faculty of the college is usually resource persons for these events since they have the necessary skills and knowledge to deliver lectures on the occasions.

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

7.2 - Best Practices

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

Best practices.

The NSS units along with the volunteers conduct the orientation to the children's junior colleges and schools in Kuppam constituency. The rural background students are enabled good knowledge to take decision on their career and higher education. Also the college conducts one month training program for the students on Govt. vocational junior college, which helps them to gain the hands on experience with the latest equipment.

Developed "VAJRAPAAT -Android APP" for warning of Lightning Strikes by our college with the courtesy of APSCHE ISRO, Srihari Kota. This app proactively alerts people on severe weather occurrences happening within their close proximity. This proactive alerting will help ensure the wellbeing of all such app consumers. The app covers the entire state of Andhra Pradesh. Andhra Pradesh Severe Weather Alert app proactively notifies users of hazardous weather conditions and helps them protect their wellbeing in a timely manner. Andhra Pradesh Severe Weather Alert app also alerts alternate POC of the user so they also are aware of the mobile users location and the weather condition the user is encountering.

File Description	Documents
Best practices in the Institutional website	www.kec.ac.in
Any other relevant information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-7/7.2.1.pdf

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

Vision of the Institution to produce the graduates with is to high ethical values for the socio-economic development of the rural society of our nation. The institutive moulds and empowers students in the pursuit of knowledge, values and social responsibility and help them achieve excellence in various fields, thereby also preparing them to face global challenges. The institute provides a platform to business Start-ups to develop their ideas into commercially viable products through newgenIEDC.

The College emphasizes the need to mainstream the marginalized and weaker sections of students to ensure justice and equity in society. The Mission is to steer the education it offers not only towards the pragmatic goal of employability, but also to build a life of the mind and sensitize and orient its students to the service of the community. All the departments in KEC have started Student Technical Associations, which are associated with professional bodies. The activity envisaged under this includes skill-oriented programs and activities inclined towards service to the society with social ethical values. Student Clubs: To develop multi-disciplinary skills among students, KEC has established student clubs like App Development Club, sports Club, Robotic Club, Web Application Development Club and coding Club. They strive to inculcate the attitude, orientation and skills essential for developing socially relevant and feasible products.

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

The curriculum is designed & framed by the Board of Studies (BoS) of the affiliating University and approved by the Academic council of the Jawaharlal Nehru Technological University Ananatapur.

The calendar of events includes the academic committee meetings, department meetings, parents' meetings, and various events to be conducted at the Institute level, attendance finalization & display of results, conduct of internal assessment, university lab & theory end exam schedules. The heads of the departments ensure the adherence of all the academic activities as per the calendar of events.

The department faculty members prepare the class time table and lesson plan as per the JNTUA guidelines. Lesson plan includes lecture hours, topic to be taught and tutorial classes during the semester.

All subjects in charges maintain course files which includes copy of syllabus, timetable, list of students, lesson plan, IA Marks Analysis, previous examination question papers, IA question papers with scheme of evaluation and performance details of the students.

The gaps in the curriculum are identified as per the industry requirements. Webinars, Seminars, student development programme, and Internships are organized to bridge the gap between industry and academia Placement training activities are also introduced for the pre-final and final year students.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.1.1.pdf

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

The college adheres to academic calendar provided by Jawaharlal Nehru Technological University (JNTUA) Ananatapur. Based on this academic calendar, the institution prepares the academic calendar / Calendar of Events which includes the dates of commencement, completion of syllabus, schedule of internal exams, Working days, teaching days, internals marks submission, seminars, guest lectures, workshops, industrial visits, holidays, dates of semester end examination etc.

As per the academic calendar and guidelines of the University, Timetable is prepared by senior faculty and after approval from respective Heads of the department & Principal it will be circulated to all the faculty members and students before commencement of the semester.

Calendar of Events and Timetable both published on website of the college. Internal Assessments are conducted as per the calendar of events. For implementation of Internal Assessment Process, Examination committee is formed at college level which monitor overall internal assessment process. Continuous Internal Assessment review is taken by the Principal regularly. In addition, IQAC conduct internal audit to verify the compliance to academic calendar/ calendar of events with documentary evidence.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.1.2.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating

A. All of the above

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

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

1.2 - Academic Flexibility

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

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

11

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
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)

14

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

1401

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

The Institute has made all efforts to build healthier working environment & issues related to Gender, Environment and Sustainability, Human values and Professional Ethics into the curriculum.

Human Values and Professional Ethics The University has made mandatory to study the "Constitution of India" to provide basic information about Indian constitution, to identify individual role and ethical responsibility towards society and to understand human rights and its implications.

Gender Sensitization: To prevent sexual harassment at workplace and to empower the women employees, the Institute has constituted Women Empowerment Committee and Anti-Sexual Harassment Committee to effectively curtail any unhealthy working condition. Equal opportunities are extended to all in every aspect of teaching and learning in the Institute. Students of both genders holistically participate in various co-curricular activities organized in house & outside the Institute.

Environment and Sustainability The University has made it

compulsory to study "Environmental science" in their regular curriculum to create awareness related to various environmental issues the world is facing. Students are given ample opportunity to learn about the climate change and potential hazards of climate change. Various extension programmes are being organized by the Institute to create awareness among the rural community.

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.	No File Uploaded

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

116

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

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

372

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.4.1.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

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

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

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-1/1.4.1.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

418	
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	
193	
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	
<p>We identify students as slow learners and advanced learners based on the internal & external tests, class attendance and performance in the lab and participation in class room activities. The performance evaluation will be done in beginning of every semester and students are classified in to two categories.</p> <p>Advanced learners: The toppers of each class are appointed as Class Representatives and HoD Nominee for the department who are part of students' council and member of various professional bodies. It gives them a chance to develop their communication, leadership & team building skills. This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities.</p> <p>Priority will be given to participate in Hackathons, Paper Presentations, and Project Competitions, Summer Projects and Internships. They also help slow learners through peer learning during campus interviews.</p>	

Slow learners: The institute, give emphasis on improving the performance of slow learners by providing remedial programmes which are conducted out of regular classes. Specifically, for difficult subjects like Mathematics, Engineering Drawing and Engineering, Basic Electrical Engineering.

Academic and personal counseling are given to slow learners by faculty counselors, mentor and counseling cell.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.2.1.pdf
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
1401	139

File Description	Documents
Any additional information	No File Uploaded

2.3 - Teaching- Learning Process

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

Experiential learning

Students are allowed to conduct experiments independently in practical classes. Mini projects at third year level and major projects at final year level will help in imparting the required technical skills to the students. They are encouraged to do the internships in industries & industrial visits as a part of industry institute interaction. Mini project exhibitions are being organized to showcase their skills.

Participative learning

Students are motivated to participate in Quiz Competitions, Paper Presentation, Technical Seminars and Online Certification Courses to get the participative learning environment. Student

development programs and workshops are conducted to enhance the learning capabilities of the students. Classrooms are provided with projector and internet facilities (Videos, NPTEL) to enhance their knowledge.

Problem solving methodologies

Encouragement is given to take part actively in AICTE sponsored Hackathon every year & motivated to participate in National level Project exhibition to enhance the problem- solving ability.

Students are motivated to take part in Training and Placement, Entrepreneurship Development and Incubation Centre (IEDC) and assisting in consultancy activities.

Students are involved in assisting research work with Quality Assurance, Research, Innovation, Incubation, Industry Interaction, Development, Entrepreneurship, Education and Social Responsibility.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.3.1.pdf

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

Today, it is essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional mode of instruction to engage students in long term learning.

The teachers of KEC use online education resources, Social networking sites (WhatsApp), blended learning platforms like google classroom to effectively deliver teaching and provide enhanced learning experience to the students.

The library also provides access to computers and on line journals freely available in public domain and also to journals subscribed. Anti -plagiarism software is used to check authenticity of thesis submitted by UG/PG students. Photocopying facility is also provided.

Online Classes - Faculties are engaged the online classes by using google class room platform during the pandemic situation.

PowerPoint presentations- Faculties are encouraged to use power-point presentations in their classroom teaching.

Industry Connect- Along with classrooms, Seminar halls & laboratories are digitally equipped where guest lectures, expert talks and various hands-on sessions are regularly organized.

Video lecture- Recording of video lectures is made available to students for long term learning.

Online competitions- Various technical events and management events such as Poster making, Debates, paper presentations etc. are being organized.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

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

117

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	No File Uploaded
Circulars pertaining to assigning mentors to mentees	No File Uploaded
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

139

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

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

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

20

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

685

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.

The institution is affiliated to JNTUA, and hence, follows its rules and guidelines regarding the assessment and evaluation process.

Two internal assessment tests are carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project.

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.

For theory courses, question papers for the are prepared at the department level by referring old university question papers / question bank / book referred in by university.

Quality of question papers are checked and approved by program coordinator / HOD.

Five assignments are given by faculty teaching the subject and it will be evaluated.

Answer scripts are evaluated and signatures obtained from students .

For assessment of seminars, summer internship and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the HoD and is communicated to students.

Students present their work or report to the coordinator via PPT mode and evaluated based on the rubrics set. For assessment of laboratory course an internal practical viva conducted by internal & external examiners at the end of course.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.5.1.pdf

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

College Level:

If a student is not able to appear for examination due to medical or any genuine reason examination is conducted as per norms, provided that he/she submits application with proper documents.

The grievances of the students with reference to assessment are made clear by showing his/her performance in the answer sheet. The answer sheet of such student is assessed by the faculty once again in the presence of the student. Any corrections in the total marks or assessment of answer books as identified by students are immediately done by the faculty members.

Any student who is not satisfied with the assessment and award of marks may approach the concern Program coordinator / HOD who can intervene and address the grievance of the student.

The student performance is displayed on the notice board and the same is informed to the parents.

University level:

With reference to evaluation, if the student scores less mark than expected, he/she can apply for reevaluation of his/her answer script after paying the prescribed fee.

University provides the photocopy of answer sheets to students regarding any grievances with reference to evaluation. Student can apply for reevaluation if he/she feels that evaluation is not correct.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	https://www.kec.ac.in/NAACAQAR2021-22/Criteria-2/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

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

College follows the outcome-based education; hence the Program Educational Objectives (PEOs) Program specific outcomes (PSO) are defined by each department for each program. For defining the PEOs and PSOs the institutions consultative process involving the stake holders and are in line with the vision and mission of the college and department.

The institution, the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi. The Course Outcomes (COs) for each subject is prepared by course coordinator / course in-charge. The POs, PEOs, and PSOs and COs are available on college website and are also communicated to students, teachers during the various meetings / orientation programs conducted also displaying at following location:

- Departmental Laboratories
- Class rooms
- Course files
- Laboratory records.

The COs is also disseminated to students through faculty announcements to the students during the beginning of each semester and from time to time during the entire semester.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.6.1.pdf
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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

Initially attainments of Course Outcomes (COs) are computed using both direct and indirect methods. Attainments of Program Outcomes (POs) and Program Specific Outcomes (PSOs) are done from the attainment of COs through course and program articulation matrices.

Attainment Procedure of COs: It is done using direct method and in-direct method. As a part of the direct method, CO attainment is computed using marks obtained by the students in Continuous Internal Examinations (CIE) and Semester End Examinations (SEE).

Weightages of 30% and 70% are assigned to CIE and SEE respectively to compute direct CO attainment. Course end survey is conducted for each course and indirect attainment of COs is computed.

Attainment Procedure of POs/PSOs: Attainment of POs/PSOs is done from the attainment of COs. From the attainment of CO and course articulation matrix, direct PO/PSO attainment is done for each course. By using program articulation matrix and PO/PSO attainment of each course, direct PO/PSO attainment for the program is calculated. Indirect attainment of POs/PSOs is done using Program exit survey, Employer survey and Alumni survey. Final attainment of PO/PSO is done by assigning weightages of 80% and 20% to direct and indirect attainments respectively.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-2/2.6.2.pdf

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

303

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://forms.gle/MJG2ZXhsjYsHY4gb6>

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)	
76.14	
File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File
3.1.2 - Number of teachers recognized as research guides (latest completed academic year)	
3.1.2.1 - Number of teachers recognized as research guides	
5	
File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File
3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year	
3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year	
2	

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	https://www.ediindia.org/nimat-project/

3.2 - Innovation Ecosystem

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

Institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge.

The college has a Research and Development Cell to monitor and address the issues of research by a senior professor. Functions of the Committee:

- Creating research traditions among faculty members and students.
- Motivating to undertake minor and major research projects from various funding agencies.
- Identification and assisting for finance from Management as well as funding agencies like DRDO, DST and AICTE.

Entrepreneurship cell:

KEC received the fund Rs. 2.6 crores for establishment of NewGen IEDC from DST govt. of India at our college for the period of 5 years from the academic year 2017-18 to 2022-23. The following were the functions of IDEC at our KEC.

- To motivate, support and mentor students for identification, development and commercialization of their innovative ideas.
- To initiate targeted number of innovative student projects each year, for new product development.
- To organize Business Plan Competitions/Innovation Camps/Hackathons with active involvement of industry and alumni.
- To guide and assist prospective entrepreneurs on various

aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, technologies information, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.kec.ac.in/research-development/department-events/

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

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

5

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

3.3 - Research Publications and Awards

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

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

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

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

during the year

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

46

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

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

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

30

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

3.4 - Extension Activities

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

The student volunteers visit neighboring localities and conduct various activities regularly. Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development. Our college organizes and participates in various extension activities with a dual objective of not only sensitizing the students about various social issues but also contribute to the community and strengthen community participation. The NSS unit of our college take part in various initiatives like

- Plantation in and outside the campus
- Swachh Bharat initiatives
- Blood donation camps
- Awareness programs on AIDS prevention

- Leprosy prevention and awareness
- Dengue Awareness program
- Environmental pollution
- UBA Survey

India is the birthplace of Yoga and by participating in International Yoga day students become global stakeholders in ensuring sound mind in a healthy body. Programs like rainwater harvesting and conservation of drinking water, tree plantation drive, sowing the seeds in Kuppam forest. Blood donation camps in the College is regular feature (twice a year) whereby students and staff donate blood for the cause. The camps facilitate blood drawn up to 150-200 units which is sent to PES, medical college.

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

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

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

8

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

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

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

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

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

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

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

3.5 - Collaboration

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

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

175

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

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

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

9

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.

Classrooms and Seminar Halls

- Forty two classrooms with ICT facilities
- Four seminar halls with ICT facilities
- Twenty seven LCD projectors
- One LED TV
- One LED Digital Board for displaying the events and academic activities of the College
- Green chalk boards in all the classrooms
- Media Centre and Lecture Capturing System for developing E-contents
- Communication laboratory

The college established the following industry supported laboratories in the campus.

- CBT (Computer Based Training & Design Lab)
- Electronics Home (Domestic)
- Electronics Office (Commercial)
- Manufacturing-CNC
- Manufacturing-Welding

- Auto -4 Wheeler
- Auto-2 Wheeler
- CISCO Center
- Oracle WDP Center
- Texas Instruments IoT Center

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.1.pdf

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

The institute has Cricket, Football, Ball Badminton, Volleyball, Indoor, Basketball, Throw ball, Kabaddi, Badminton courts. Also the indoor for shuttle badminton, chess, carom, Table tennis are available in the campus.

A number of players have played district, university, state and even national level games.

To conduct cultural activities in the college, there is a cultural committee. This committee organizes many cultural programs including literacy events. The institute conducts ethnic day every year to understand the various states cultures. Also conducts the festivals of various religions. Some interesting programs by the committee are fashion show, solo dance, group dance rangoli, painting, mehendi, mime show, skit, etc. There is open auditorium with the gallery can accommodate around 3000 members.

There is a separate room for Gymnasium attached with the indoor stadium.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.2.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.**46**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.1.3.pdf
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)****275**

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

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

The KEC Campus has a spacious Central Library with an area of 71 Sqm. The faculty members and students of the institution utilize the library for continuous learning and to enhance their knowledge. The Library is well equipped with a reading capacity of 200 readers and is also Wi-Fi enabled. Digital Library is spread over 65 Sq.m and has 20 Computer systems. The Central Library has various Text books, Reference Books, eBooks, Journals, Magazines, eJournals, Project Reports, Tutorials and

NPTEL Video Lessons related to engineering and Allied subjects. Central Library has a collection of fascinating books which includes Encyclopaedia, Handbooks and Dictionaries, GATE, Competitive exam books and videos that supports the content beyond syllabus.

The software called easylib was procured for the purpose of library automation. It gives the flexibility to the staff and students to search and reserve the books through online. The same software is used for issue return of the books.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.2.1.pdf

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	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

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

0.83

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

350

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

Institution has adequate and latest IT infrastructure. The IT infrastructure and resources are updated and upgraded continuously as per the requirements and changing technology. The entire Institute is Wi-Fi enabled with necessary firewalls and computer labs are connected through LAN with internet facilities.

IT department extend the complete support to the students. It is made available by setting and installing the Wi-Fi zones at various locations such as Reading halls, Hostels, Department corridors and at the Green lawn area. Staff and Students can access this facility on their Laptops by registering themselves, which enables the students to prepare for the competitive exams, develop projects, writing journal papers, power point presentations.

The institute have the internet 1:1connectivity from different vendors BSNL, Reliance JIO, Airtel.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.3.1.pdf

4.3.2 - Number of Computers**690**

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution**A. ? 50MBPS**

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

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****251 . 93**

File Description	Documents
Upload any additional information	View File
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.

Standard procedure has been framed for civil maintenance, laboratory, power supply, software up keeping, library, and laboratory maintenance. Each Laboratory Incharge maintains a stock register of equipment, instruments and machines.

Lab in-charge prepares list of equipment / machines and prepares a plan for preventive maintenance to ensure smooth and uninterrupted functioning of equipment / machines. The preventive maintenance schedule contains the details of the parameters to be maintained with intervals for all the equipment / machines available with the laboratory.

Breakdown Maintenance: If the breakdown is minor in nature, the same is attended to by the technician attached to the department. If the breakdown is major, lab in-charge will initiate action to repair the same in shortest possible time through an external agency, after getting approval from the HOD.

Calibration: Lab-in-charge of each Laboratory prepares and maintains a list of meters, gauges and other measuring instruments and testing machines, which need periodical calibration. The Lab-in-charge in consultation with HOD scrutinizes the list to decide on the external and internal calibration of equipment.

Computing equipment's: The maintenance of computers and common equipments is under the charge of in-house System Administrator and Officer-Administration respectively. Maintenance work includes, a) Installation b) Maintenance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-4/4.4.2.pdf

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

832

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

102

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File
5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.1.3.pdf
Any additional information	No File Uploaded
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	
1401	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
1401	
File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File
5.1.5 - The Institution has a transparent	A. All of the above

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	No File Uploaded
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

310

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

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

5.2.2.1 - Number of outgoing student progression to higher education

02

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	View File
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

13

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

5.3 - Student Participation and Activities

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

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

2

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

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

Student committees/clubs are operational in the college to showcase the student's representation and engagement in various administrative, co-curricular and extracurricular activities:

Class Representatives: all classes have two students designated as class representatives. They are responsible for representing any issues related to academics/non-academics to concerned HoDs/Class teacher.

Student Clubs (department level): departments organize the engineering activities through student clubs. Each club is run by students. Clubs have well defined structure & assigned roles.

There is a college level clubs for co-curricular and extra-curricular activities were established to bring out the inner skills of students.

Cultural and Sports Committees: Students have strong representations in all cultural and sports committees. They help in organization and management of events.

Major events include annual sports competition and Annual cultural event 'Nagastra'.

Placement Committees: student members are important components in placement activities. Student members are being involved for coordinating the activities during placement drives at campus.

Technical Events: student members are part of organizing committees for all the engineering activities at

department/institute level. Some of these activities include conferences, coding & project contests, technovation, quiz competitions, student club activities etc.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.3.2.pdf
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

23

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

KEC Alumni Association is created to build an engaged supportive alumni committee. It plays an important role in shaping the future of the college. The association is in the process of registration under the society registration act the bylaws have been framed for the better connect of alumni with college.

A good number of alumni are occupying eminent position and contribute to their parent institution. Each member contributes Rs 500 in the first year after their graduation. This fund is used to conduct activities of the association.

The members of the association contribute in the following manner

- Feedback on curriculum
- Teaching learning process
- Bridging the gap between industry and academia
- Members in various committees in the college
- Guest lectures to the students
- Interaction and mentoring the students

Alumni meets are conducted periodically for networking strengthening the social relations and sharing the expertise with the students for guidance projects placements internship and competitive examination. Alumni are also engaged in providing placement support and Research activities. They are helpful in promoting innovation and patenting.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-5/5.4.1.pdf
Upload any additional information	No File Uploaded

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

The management and Principal actively participate in GB for ensuring that the policy statements and action plans are aligned for attaining the mission of institute, disseminates the vision and mission to all stake holders and involve them in forming the

policy statements.

The Principal makes action plans in consultation with faculty members to review of outcomes from the implementation of action plans through meetings with functional committees.

The Principal ensures that all stakeholders are involved in different activities.

The requirements of the society for policy making and planning are collected by the Principal through interaction with various stakeholders.

For the reinforcement of cultural excellence the vision, mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions.

Perspective Plan: The perspective plan for next five years of the includes accreditation, research center, permanent affiliation, autonomy, center of excellence and collaborations for higher studies and student placement.

Participation of the teachers: Through participative management, the faculties are involved in various decision making bodies of the institute.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.1.1.pdf
Upload any additional information	No File Uploaded

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

Various committees were formed and delegated powers for taking administrative decisions.

Academic Committee (CAC) To implement the university norms and polices and decisions of management Preparation of Academic calendar Review of the syllabus coverage.

Entrepreneurship Development Cell (EDC) To provide a support system for technocrats and entrepreneurs.

Research Advisory Committee (RAC) Development of in house projects Interaction with industry for consultation projects Establishment of Incubation centers / Center of excellence applying for proposals and Research Grants.

Internal Quality Assurance Cell (IQAC) Preparation of quality manual and procedures for Quality improvement of the college Coordinating with all committees for smooth functioning.

Anti-Ragging Committee To maintain discipline in the campus and to ensure the implementation of guidelines/ order issued by AICTE/UGC/University/Govt.

Grievances Redressal Cell (GRC)

Women Empowerment Cell (WEC) Educate the staff (Teaching and Non-Teaching) and the students' community towards gender sensitization.

All the departments of the institution have established student councils which are termed as department associations. These student councils are run by the students and a teacher mentor is allotted to supervise the planned activities.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.1.2.pdf
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

KEC believes in hard work and excellence in all dimensions in the way in which the faculty and the students gets opportunity to learn new skills to meet the global changes happening in day to day life.

The institute has successfully implemented many strategic plans in the past years. One such plan is the research center named Quality Assurance in Research, Innovation, Incubation, Industry Interaction, Development, Entrepreneurship, Education and Social Responsibility.

INDUSTRY INSTITUTE INTERACTION

To reduce the gap between industry and academia, the team interacts with various industries. The feedback will be provided to Course refinement and update the syllabus by implementing new add on courses and value added courses.

Entrepreneurship Cell - IEDC

To respond effectively the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises. IEDC receives around 60 lakh fund for the development of prototypes in the college. This makes the students to become entrepreneur after the graduation.

Team KEC Training Division focused on enriching the Skills of the students in various aspects apart from regular curriculum which includes Design Thinking, Value Added Course etc.,

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.2.1.pdf
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 institution has a well-marked administrative set up conforming to the norms of the AICTE and the affiliated university. Governing body of the college reviews the institutional strategic plan which in turn sets the academic aims and objectives of the institution and approves the financial and curriculum requirements.

Various stakeholders of the institute are members of different committees constituted by the institution. As per the university guidelines, IQAC Cell, Anti-ragging Cell etc. are also in place for the institution.

There are various committees with well-defined functions that give academic and administrative leadership to the institution. A

committee comprising of administrative staff and faculty members are involved in the planning and implementation, academic audit and evaluation.

Academic Committee, Purchase Committee, Student Affairs Committee, Library Committee, Grievance Committee, Anti sexual Harassment Committee, Faculty/Staff Development Committee, SC/ST Committee, Equal Opportunity Cell and Women Empowerment Cell have been formed and members are inducted into the committee.

Service rules and procedures are as defined and displayed in the website. All the newly recruited staff and the newly admitted students are made aware of these rules through orientation programmes.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.2.2.pdf
Link to Organogram of the institution webpage	https://www.kec.ac.in/governing-council/
Upload any additional information	No File Uploaded

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Any additional information	View File
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

College has staff quarter inside the campus, which is provided to the teaching and non-teaching staff members with free of cost. Also food and accommodation is provided for the staff members in the hostels at a concessional rate.

Financial assistance is provided to faculty to participate in training programmes, Seminars, workshops, conferences and publication of books.

The College plies eight buses that provide access to different places. One senior faculty in each bus is allowed to travel free of cost and other staff members who are in need of the same can utilize the facility at a concessional rate.

Provident Fund is applicable to the staff of our college from their date of joining the institution.

All the staff members of our college are covered under life insurance.

The staff members can avail the various leaves as follows

- Marriage leave
- Sick leave
- Ph.D. Leave
- Vacation leave
- Maternity leave

Children's of our college staff members are eligible for fees concession in various institutions run by our society.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.3.1.pdf
Upload any additional information	No File Uploaded

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

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

25

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

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

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

6

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

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

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

68

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

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

A good performance management system works towards the improvement of the overall organizational performance of teams and individuals for ensuring the achievements of the overall organizational mission and vision.

An effective performance management system plays a crucial role in managing the organization in an efficient manner. Institute is following the appraisal scheme suggested by AICTE viz. Performance Based Appraisal System (PBAS). In this scheme, the performance s are classified into three categories

1. Teaching, Learning and Evaluation related activities
2. Co-Curricular, Extension and Professional Development related activities
3. Research Publications and Academic Contributions

At the end of each academic year, the data pertaining to the above categories are collected from each faculty member in the preforma. Based on the data collected, API scores are calculated. These scores are used for the award of career advancements to faculty members and for promotion to next higher position. Further, during the semester, feedback forms are collected from the students for each of the courses attended by them. The feedback forms in the form of questionnaire collect information about the teacher and different aspects pertaining to the teaching process. Principal & HOD suggests suitable measures to improve the teaching-learning process.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.3.5.pdf
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 Institute has a mechanism for internal and external audit to ensure financial compliance. The institutional accounts are regularly audited. The observation of the auditors if any is immediately corrected / rectified.

The internal audit is an ongoing continuous process. Qualified Internal Auditors from external sources are permanently appointed and a team of staff make a thorough quarterly check and verification of all payments, receipts & journal vouchers, cash books, ledger account review that are carried out in each financial year on an accrual basis system.

The external auditor appointed by the college performs audit of the financial statements of the college. The financial records are audited by qualified chartered accountants at the end of each financial year and income & expenditures, balance sheet are certified. Statutory financial audit of institute is conducted in two sessions, first in the month of October / November for a period of six months starting from 1st April to September and second in the month of May/June for the period from October to March. Finalization of account is completed in June and audited statement is prepared in July. All accounting systems are accrual based, computerized and maintained on Tally.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.4.1.pdf
Upload any additional information	No File Uploaded

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

0

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

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

The process involves various committees of the institute as well as the Department Heads and Accounts office.

- The student Tuition fee is the major source of income for the institute.
- Various government and non-government agencies sponsor for projects, events like seminars and workshops.
- Alumni contribute to the institute by raising funds.
- A finance committee has been constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses
- The quotations received are scrutinized by the finance and purchase committee before a final decision is made based on parameters like pricing, quality, terms of service, etc.
- The institutional budget includes recurring expenses such as salary, electricity and internet charges, stationary & other maintenance costs.
- The budget is scrutinized and approved by the top management and Governing Council.
- The grants received by the college are also audited by certified auditors. Optimal utilization of resources
- Travel grants can be sanctioned to faculty to present research papers at or to attend National or International Conferences in India or abroad.

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.4.3.pdf
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

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

The IQAC Cell of the college works towards improving and maintaining the quality of education in the institution.

The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted.

The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback.

The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives:

- Strategic planning of key areas and assigning responsibilities -
- Academic results
- Collection of feedback on infrastructure and curriculum
- Curriculum gap analysis and action plan
- Faculty development programs
- Research and development
- Institutional and program accreditations.
- Preparation of AQAR and submission of the same to NAAC.
- Academic and administrative audit.
- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.1.pdf
Upload any additional information	No File Uploaded

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

The IQAC continuously reviews and takes steps to improve the quality of the teaching-learning process. The Academic Calendar is prepared in advance, displayed and circulated in the Institute and strictly followed. Admission to various programmes, summer and mid-term vacations, examination schedule are notified in the Academic Calendar.

Induction program for all first year students are conducted every year made awareness on needs to the society, quality aspects for youth of our country, new education policy, teaching learning process, continues evaluation, compulsory core courses, co-curricular and extra-curricular activities, discipline and culture of the college.

Students are apprised of the Time-Table, Programme structure, syllabi of the courses before the semester commences.

The teaching-learning processes are reviewed, and improvements implemented, based on the IQAC recommendations.

The major initiatives taken for the students improvement

- Curriculum Development Workshops for many subjects
- Green initiatives in Campus - tree plantation
- solar photovoltaic power plants, e-vehicles etc.
- MoUs with prestigious Institutes, Universities, Govt. agencies
- Application for NIRF and NBA Certifications

File Description	Documents
Paste link for additional information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.2.pdf
Upload any additional information	No File Uploaded

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-6/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
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

- **Well-trained and vigilant women Warden and Assistant Wardens appointed to the Girls Hostel in the campus.**
- **Security checkpoints are provided at all campus entries and exits.**
- **Strict implementation of Anti-Ragging measures and keeping the campus ragging free.**
- **Separate hostels are provided for girls with appropriate security arrangements and hostel committees are formed to**

take care of the students.

- Security guards are deployed at main gate and students with valid identity cards are allowed into the campus.
- The college campus is under surveillance with CC cameras installed at prominent locations.
- Sufficient lighting is provided in the campus during nights in case of extension of regular hours for placements or cultural activities
- Internal Complaints Committee (ICC) interacts regularly with the girl students and resolves the issues addressed by them.
- The college ensures social security through Anti-Ragging Committee and Grievance Redressal Committee.
- Faculty counsel the students during mentoring regarding academic performance, career plans and personal issues

Health Centre is available in the campus with qualified physician

File Description	Documents
Annual gender sensitization action plan	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-7/7.1.1.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	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

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

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

College has installed Total 350 KWA Rooftop Solar Power Plants to harness the solar energy on RESCO mode since 2017. MOU signed SWELECT energy system for installation of solar panels.

Excess (surplus) solar energy generated by rooftop solar modules are exported to the grid of electricity distribution utility. Direct saving in electricity bills are availed from electricity distribution utility on monthly basis.

Sensor based street lights were installed, based on the day light automatic on and off takes place.

LED bulbs were procured and fixed in various places like class rooms, laboratory, office rooms and streets to promote energy efficiency.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	No File Uploaded
Any other relevant information	View File

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

A. Any 4 or All of the above

3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	
File Description	Documents
Geo tagged photos / videos of the facilities	No File Uploaded
Various policy documents / decisions circulated for implementation	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	View File
Any other relevant information	View File
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above

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

The institution has been taking efforts and initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. By celebrating many National and International Days, Events and Festivals the institution aims at bringing tolerance and harmony among the students and staff and other stakeholders.

With great fervor the national festivals, birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Sardar Vallabhbhai Patel, Pandit Jawaharlal Nehru, Dr. Bhimrao Ambedkar, Sarvepalli Radhakrishnan, Lal Bahadur Shastri. On birth anniversary of Sardar Vallabhbhai Patel on October 31, institution celebrates Rashtriya Ekta Diwas (pledge is taken by staff and students on National Integration Day) every year.

The college celebrates cultural and regional festivals like Youth Festival, Constitution Day, onam, Christmas, Sankranti, etc. to teach tolerance and harmony to the students. The Gender Equality Policy focuses on equal access, opportunities, and rights for women and men.

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

Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. Many of the subjects offered have topics which sensitize the students about the constitutional obligations. The University has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitizing the students and employees to constitution obligation .As a part of strengthening the democratic values. Also, all students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc.

In addition to this many regular programs are conducted by Institute Innovation Council (IIC) cell of the institute to educate women about their rights. Also seminars and workshops are conducted on days of national importance on various rights, duties and responsibilities of citizen. Seminars on topics like Right to Information, Sexual Harassment, and Gender Equity are conducted periodically.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	https://www.kec.ac.in/NAACAOAR2021-22/Criteria-7/7.1.9.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts

A. All of the above

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.

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	No File Uploaded
Any other relevant information	View File

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

National festivals create an environment in which students come together with similar sentiments portraying national unity and humanism. In a given academic year the college commemorates as many days of significance as possible. The range of activities to commemorate the day is diverse. Birth and Death Anniversaries of prominent figures are commemorated with earnestness and enthusiasm.

National days like Independence Day and Republic Day are marked by mandatory hoisting of the flag. Dr. BR Ambedkar Jayanti is celebrated every year on 14th April during which prominent speakers address the staff members of various aspects of the life of Dr. Ambedkar. Gandhi Jayanti is an occasion that is commemorated by the college by Organising a talk for the staff members as an opportunity of getting to know the principles of our great leader. Faculty of the college is usually resource persons for these events since they have the necessary skills and knowledge to deliver lectures on the occasions.

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

7.2 - Best Practices

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

Best practices.

The NSS units along with the volunteers conduct the orientation to the children's junior colleges and schools in Kuppam constituency. The rural background students are enabled good knowledge to take decision on their career and higher education. Also the college conducts one month training program for the students on Govt. vocational junior college, which helps them to gain the hands on experience with the latest equipment.

Developed "VAJRAPAAT -Android APP" for warning of Lightning Strikes by our college with the courtesy of APSICHE ISRO, Srihari Kota. This app proactively alerts people on severe weather occurrences happening within their close proximity. This proactive alerting will help ensure the wellbeing of all such app consumers. The app covers the entire state of Andhra Pradesh. Andhra Pradesh Severe Weather Alert app proactively notifies users of hazardous weather conditions and helps them protect their wellbeing in a timely manner. Andhra Pradesh Severe Weather Alert app also alerts alternate POC of the user so they also are aware of the mobile users location and the weather condition the user is encountering.

File Description	Documents
Best practices in the Institutional website	www.kec.ac.in
Any other relevant information	https://www.kec.ac.in/NAACAQAR2021-22/Criteria-7/7.2.1.pdf

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

Vision of the Institution to produce the graduates with is to high ethical values for the socio-economic development of the rural society of our nation. The institutive moulds and empowers students in the pursuit of knowledge, values and social responsibility and help them achieve excellence in various fields, thereby also preparing them to face global challenges. The institute provides a platform to business Start-ups to develop their ideas into commercially viable products through newgenIEDC.

The College emphasizes the need to mainstream the marginalized and weaker sections of students to ensure justice and equity in society. The Mission is to steer the education it offers not only towards the pragmatic goal of employability, but also to build a life of the mind and sensitize and orient its students to the service of the community. All the departments in KEC have started Student Technical Associations, which are associated with professional bodies. The activity envisaged under this includes skill-oriented programs and activities inclined towards service to the society with social ethical values. Student Clubs: To develop multi-disciplinary skills among students, KEC has established student clubs like App Development Club, sports Club, Robotic Club, Web Application Development Club and coding Club. They strive to inculcate the attitude, orientation and skills essential for developing socially relevant and feasible products.

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

7.3.2 - Plan of action for the next academic year

Plan of action for upcoming year

- To strive to work for NIRF rankings
- To obtain NAAC Accreditation
- To obtain NBA for B.Tech CSE
- Strengthen the existing center of Research
- Improving industry academic partnership

- **Introduce a new course emerging area in B.Tech - Artificial Intelligence & Machine Learning**