



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1. Name of the Institution

KMEA Engineering College

- Name of the Head of the institution

Dr. Amar Nishad T M

- Designation

Principal

- Does the institution function from its own campus?

Yes

- Phone no./Alternate phone no.

04842411003

- Mobile no

9447332529

- Registered e-mail

naac@kmeacollege.ac.in

- Alternate e-mail

principal@kmeacollege.ac.in

- Address

Kuzhivelipady, Edathala North
(P.O), Aluva

- City/Town

Aluva

- State/UT

Kerala

- Pin Code

683561

2. Institutional status

- Affiliated /Constituent

Affiliated

- Type of Institution

Co-education

- Location

Rural

- Financial Status **Self-financing**
- Name of the Affiliating University **Kerala Technological University**
- Name of the IQAC Coordinator **Dr. Bijesh Paul**
- Phone No. **04842411003**
- Alternate phone No. **9349973413**
- Mobile **7025194089**
- IQAC e-mail address **iqac@kmeacollege.ac.in**
- Alternate Email address **naac@kmeacollege.ac.in**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://kmeacollege.ac.in/>

4. Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://kmeacollege.ac.in/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.58	2021	16/03/2021	15/03/2026

6. Date of Establishment of IQAC **12/03/2014**

7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
KMEA Engineering College	IIC Regional Meet	Central Government	4/8/2022	2,80,000

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 **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

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

- If yes, mention the amount

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

Preparation of SAR for 4 branches

Submission of SAR for computer Science Department

Conduction Of IIC Regional Meet for South Zone

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
Preparation of SAR for NBA accreditation for 4 branches	SAR Submitted (4 Branches)
Preparation of data for NIRF Ranking	Participated in NIRF Ranking
Planning and Preparation of activities of KIC	Got Excellent Ranking in ARIIA and in MOE Rating
Conduction of IIC Regional meet for South zone	Conducted the meet Effectively
Action plan to increase the Research Publication through KRCC	Increase the number of Publications
Action Plan to increase the Number of research Publications through KRCC	Increase the number of Research Guides.
To sign an MOU with IIIT Kollam for enhancing employability of our students	Sighed MOU with IIIT Kollam
To develop a plan for improving the Admission	Implemented successfully
Action plan for increasing Social Outreach through KICC(NSS, Pain and Palliative Care Unit and Women's Forum)	Implemented Successfully

13. Whether the AQAR was placed before statutory body? **No**

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Part A**Data of the Institution**

1.Name of the Institution	KMEA Engineering College
• Name of the Head of the institution	Dr. Amar Nishad T M
• Designation	Principal
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• State/UT	Kerala
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6.Date of Establishment of IQAC			12/03/2014		
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Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
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9.No. of IQAC meetings held during the year			4		
• 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)		
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<ul style="list-style-type: none"> Name of the statutory body 	
Name	Date of meeting(s)
Nil	Nil
14.Whether institutional data submitted to AISHE	
Year	Date of Submission
2021-2022	15/02/2023

15.Multidisciplinary / interdisciplinary	
<ul style="list-style-type: none"> Institute promotes Multidisciplinary and Interdisciplinary Research aswell as Industry supported Workshop. Kmea Gaurage is a typical example for such initiative relevant to Mechanical and Elecrical Branches. 	
16.Academic bank of credits (ABC):	
Since Kmea Engineering College is an affliated college we are offering all Accademic Bank of Credits priscribed by Affiliating University, KeralaTechnological University (KTU)	
17.Skill development:	
All branches have their own mechanism for enhansing Skill development in their domain.	
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	
Students are encouraged to participate online courses offered in Indian Languages and faculties are encouraged to contribute to such endeavours.	
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):	
<p>Institute functions on a seven point agenda namely , 1) Curriculam Enrichment 2) Teaching- Learning Enhancement 3) Research Upgradation 4) Infra structure Upgradation 5) Student Progression through Placement, Higher Learning and Start ups. 6) Overall Quality enhancement by Accreditation 7) Admission upgradation Programmes</p> <p>All this activities are Outcome oriented with pre set targets. Different activities are carried out to attain the Preset targets or Outcomes.Finally the review procees is carried out at the end of the tenure work.to identify any shortcomings in attainment and to rectify the same.</p>	
20.Distance education/online education:	
Students and Faculties are encouraged to undertake online NPTEL and other MOOC Courses.	
Extended Profile	
1.Programme	
1.1	9

Number of courses offered by the institution across all programs during the year		
File Description	Documents	
Data Template	View File	
2.Student		
2.1 Number of students during the year		1191
File Description	Documents	
Institutional Data in Prescribed Format	View File	
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		225
File Description	Documents	
Data Template	No File Uploaded	
2.3 Number of outgoing/ final year students during the year		237
File Description	Documents	
Data Template	View File	
3.Academic		
3.1 Number of full time teachers during the year		96
File Description	Documents	
Data Template	View File	
3.2 Number of sanctioned posts during the year		96

File Description	Documents
Data Template	No File Uploaded
4.Institution	
4.1 Total number of Classrooms and Seminar halls	38
4.2 Total expenditure excluding salary during the year (INR in lakhs)	655.08
4.3 Total number of computers on campus for academic purposes	331

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

University publishes academic calendar before the commencement of regular academics. A detailed academic calendar of the college which includes all important dates of curricular, co-curricular and extra-curricular activities is prepared and gets approved by the academic council. The institution has a standard Course Diary. The POs and PSOs are derived from the Graduate Attributes and each faculty prepares COs of the respective subject and explain the same to the students in the first class itself. Course plan and teaching plan are prepared for each course before the beginning of a semester by the concerned faculty within the ambit of academic schedule and this plan is verified and approved by HOD. The faculty members strictly adhere to the approved course plan. Feedbacks from the students are collected periodically to measure the effectiveness of teaching learning process and necessary actions are taken to fine tune the academic process. The student's academic progress is evaluated using various assessment tools like tests and assignments. The institution follows Revised Blooms Taxonomy (RBT) for the evaluation. The IQAC ensures the quality of the process through internal audits and facilitates the counter checking through audits conducted by the representatives of other departments.

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

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

KMEA Engineering College follows the calendar issued by the University strictly and plans all its activities including the conduct of Continuous Internal Evaluation (CIE). The institute prepares an institute-level calendar and subsequently every department prepares its calendar. Institute calendar of events includes details like the total number of working days and holidays, CIE dates, dates for the Institute's flagship programs. The department calendar comprises guest lectures, workshops, industrial visits, other co-curricular and extra-curricular activities. Internal Assessment tests (IA), assignments, quizzes, and seminars are part of the Continuous Internal Evaluation (CIE) of students. There is a well-defined process for the conduct of CIE as per the calendar of events. The internal assessment test timetable prepared by the examination committee is published to stakeholders, and conducted as per the schedule. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internship as per schedule. Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory course evaluation. As per the laboratory rubrics, the internal test is conducted at the end of the semester.

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

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University Setting of question papers for

C. Any 2 of the above

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

5

File Description	Documents
Any additional information	No File Uploaded
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)

7

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

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

number of students during the year

134

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

Gender: Women's Forum

KMEA Engineering College since its inception has been promoting gender equality. To promote gender equality and to address the grievances of female students & faculties, a Women's Forum has been operating in KMEA campus.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

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

56

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

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

56

File Description	Documents
Any additional information	No File Uploaded
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	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

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

294

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

255

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

KMEA have a blend of slow and advanced learners. The Institution always give special care for improving the performance of slow learners. The induction and orientation programs organized by the Institution help the students and parents to familiarize with

rules, regulations, activity points, internal and external assessment system, co curricular activities, extra-curricular activities, techno cultural activities, facilities such as the library, laboratories, central computing facility, physical education facilities, hostels, recreation facility, gymnasium and various other facilities. Faculty Advisors identify the slow learners, medium learners and advanced learners in every batch by considering the performance in Module Tests, Internal Exams, University Examination and Assignments. Course faculty set bench mark and students falling below this level are considered as slow learners. For enhancing the performance of slow learners, Remedial Session and Group Study Sessions are conducted both in college and in hostel . In these sessions slow learners are supported for solving previous year question papers and are encouraged to do more tutorial problems.To improve the technical skill of the students various workshops, internship programs,separate classes for GATE and invited talks are carried out in all departments. Value added courses are provided to advanced learners for improving their skill for job acquisition.

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

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

Number of Students	Number of Teachers
1105	96

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential learning:

Invited talks are conducted regularly in the college by the external experts.They share their experience with the students that prepares them for real job scenario.Students regularly

organizes and takes part in tech fests, conferences, inter college events, project competitions and idea fests. College has signed MOUs with industries to promote internships and training .

Participative learning:

Students are divided into various groups and asked to read various articles or write ups on certain selected topics. They get an opportunity to conceptualize the theoretical aspects and helps them in reflective thinking, problem solving and to logically question what was taught. Students undertake group activities like project, assignments, case-study analysis and are also provided the opportunity to undertake value added courses in the college.. They are also taken to field/ industry visits, study tours in India and are also encouraged to undertake innovative projects .

Teaching learning methods adopted by the faculty include lecture modes, interactive modes, project based learning, computer assisted learning, experiential learning, tutorials and more. For effective teaching learning process along with intensive ICT tools, Group Discussions, Debates and Brainstorming sessions are conducted. The pedagogical methods like Peer-to-Peer learning, model makings, scale ups, critical pedagogy and role plays are also conducted.

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

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

KMEA practice blended learning which focuses on giving personalized experiences to the learners exposing them to web sources, e-learning, online platforms, games and ICT models. This encourages the students to retain their interest and inculcate self learning procedures. This is practiced by using moodle platform which enables both the educator and learner to interact in face to face online mode. For this purpose college has provided necessary infrastructure and all learners and faculties posses

their own moodle login id .

IMPLEMENTATION OF ONLINE PEDAGOGICAL METHODS IN KMEA

Teachers use online whiteboards for best practices in teaching online. In virtual classroom setup, an online whiteboard helps them to convey information and make a better connection . Online whiteboard is a canvas on which teachers can make diagrams, share pre-made templates and charts, make sketches, write etc.

Faculties in KMEA deliver lectures in real time through live online classes. That allow teachers and students to interact face-to-face and give the classroom-like environment for learning.

Teachers uses various tools like Google meet, WebEx, Zoom etc which are available online and create a connection with students for running regular classes. Teachers are also using other effective ICT enabled techniques like Pre-Recorded Video Lectures,online quizzes.

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

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

2.3.3.1 - Number of mentors

53

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

2.4 - Teacher Profile and Quality

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

96

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

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)**2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**

15

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers**

724

File Description	Documents
Any additional information	View File
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 Kerala Technological University and adhered to its norms and guidelines. The evaluation scheme is communicated to the first year students and their parents on the invocation day .The daily attendance status of a student is informed to his parent through SMS. The attendance of all students is displayed at the end of each month and at the end of semester . The question paper for internal tests and assignments are set as per revised Blooms Taxonomy. The question paper of each subject is evaluated by the department scrutiny committee . The series tests and assignments are conducted as per academic calendar. CCTV cameras are deployed in all class rooms and exam cells .

The answer sheets are returned to students for scrutiny as per the academic calendar and marks are entered in the portal after addressing the grievances of the students, if any. The internal test marks are also displayed to the students . Open house is conducted to communicate the performance of students .Continuous evaluation process such as viva for each experiment is followed in laboratories. After each exam the Academic Monitoring Committee (AMC) evaluates the students' performance .

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

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

The internal examination dates are decided in academic council meeting in line with University academic calendar . The academic calendar is displayed to students at the beginning of the semester.Two sets of Question papers are sent by question paper setter to Head of Department, who chooses a question paper to avoid probable leakage of questions. Department question paper scrutiny committee is constituted with HoD and senior faculty as members , to ensure the quality of the question paper .The weightage and division of marks are made transparent .The scheme and key of question paper is also prepared and is communicated to students after internal exam.The evaluation of answer sheets are done by faculty handling the subjects .The students can approach the concerned course faculty for clarification, if any.He can also

approach HOD and Principal with his answer sheet, if his grievances regarding the evaluation of answer sheet is not satisfied . There is a grievance redressal mechanism for students to redress all grievances with regard to the evaluation process related to the internal examinations. Class/course committee meetings are conducted as specified by the University and results are analyzed in the meeting. Students can provide their suggestions during the meeting.

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

2.6 - Student Performance and Learning Outcomes

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

The Institute has well defined learning outcomes. The vision and mission of the institution emphasizes on promoting value education through motivated trained faculty to prepare the students to accept the challenges of globalization. The vision and mission statements are displayed at various key positions in the college building. Programme Educational Objectives (PEO), Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course outcomes (CO) have been defined by every department. These are also available in course files along with the mapping of the same with programme outcomes and course outcomes. These are also made available as a printout along with many other details such as course plan, question bank, assignment questions, evaluation scheme in the department. Programme Educational Objectives (PEO), Programme Specific Outcomes(PSO) and Programme outcomes (PO) are discussed during department meetings comprising of Head of Departments and faculties and course outcomes (CO) are discussed by faculty members in the classrooms. Programme Educational Objectives (PEO), Programme Specific Outcomes(PSO) and Programme Outcomes (PO) are published in the website of college. At the end of every semester, all the departments evaluate POs and COs by using tools like tutorial and mid-term results, exam results, course end survey and yearly alumni feedback etc.

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

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

The institution use course outcome as an indicator for evaluating student performance and achievement of learning objectives. The process of attainment of COs, POs and PSOs starts from writing appropriate COs .The course outcomes are written by the respective faculty using Bloom's Taxonomy.A correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course . The course outcomes written and their mapping with POs are reviewed frequently by a committee of senior faculty members and HoD . Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of CO. PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% to indirect assessment. Direct assessment is based on CO attainment where 80% weightage is given to attainment through university exams and 20% weightage is given to attainment through internal assessments. Indirect assessment is done through programme exit survey, alumni survey and employer survey where programme exit survey and employer survey are given a weightage of 25% each and alumni exit survey is given a weightage of 50%.

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

2.6.3 - Pass percentage of Students during the year

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

151

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	https://kmeacollege.ac.in/naac.php

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://kmeacollege.ac.in/naac.php>

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)

1463050

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

1463050

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	Nil

3.2 - Innovation Ecosystem

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

KMEA INNOVATION COUNCIL (KIC)

KMEA INNOVATION COUNCIL (KIC) is an apex body to create a vibrant local innovation ecosystem in KMEA Engineering college. It is a body to control and coordinate IIC (Institution's Innovation Council), ARIIA (Atal Ranking Of Institutions On Innovation Achievements), IEDC- KSUM (Kerala State Startup Mission), Entrepreneurship Development Cell (EDC), Electronic Incubator (Electronic Startup incubator), K-DISC (Kerala Development & Innovation Strategy Council), KMEA IPR cell, Tinkerhub and e-Yantra Robotics lab. Vision: KMEA engineering college through KMEA Innovation Cell (KIC) has taken steps to inculcate the incubation and start-up mantra among students and faculties by aligning with various state and central government programs over the years. There is a dedicated start-up space in the campus, which has history of incubating few companies who has flown out with flying colours. It is the vision of KIC to inculcate the incubation start-

up practices among students, through their academic calendar, making them nurture their ideas, bring them to conceptual stage, promote funding through various schemes and programs, while encouraging them to transform to a start-up through incubation.

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

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

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

21

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

3.3 - Research Publications and Awards

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

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

3

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

21

File Description	Documents
Any additional information	No File Uploaded
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

8

File Description	Documents
Any additional information	No File Uploaded
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

In order to boost the skill acquisition and employability of the neighboring community, the KMEA Engineering College has been conducting following courses under the scheme of ASAP, PMKVY and SRC

Institute involves the faculty and students in community work. This helps the students to learn ethical values and understand their responsibilities, and develop as good citizens. College has an active National Service Scheme cell and Pain and palliative care unit through which different social activities are planned for each year.

Impact

- ASAP aims to become an initiative that works with a

passionate drive towards equipping the youth of Kerala for the highly demanding industrial roles of today and the future. This student-centered programme works with different industrial sectors to design and update curriculums that inculcate desirable skill sets and qualities to the students to develop a pool of industry ready candidates.

- The State Resource centre, Kerala (SRC, Kerala) was established in 1978, with the ultimate objective of providing academic and technical resource support to all the agencies in the state engaged in Adult and continuing Education programmes
- The various programmes by NSS has conveyed the social relevance of the various programmes such as to the neighborhood community.
- The various programmes by the Women's Forum was conducted for the betterment of the society.
- The pain and palliative care unit of the college has lended a helping hand to the neighborhood community during its period of hardships through its programmes and activities.

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

2

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

53

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

2872

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

3.5 - Collaboration

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

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

6

File Description	Documents
e-copies of related Document	No File Uploaded
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

27

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.

The institution has a sprawling campus spread over 25 acres and 70.529 cents with modern buildings, technology-enabled classrooms, internet with Wi-Fi, library with reading room, digital library,

well equipped laboratories, central computing facility, spacious hostels for students, seminar halls and auditorium. Adequate facilities for teaching and learning are available throughout the campus in the three academic blocks.

Campus Infrastructure

- We have 33 spacious classrooms with proper ventilation, lighting and appropriate furniture, out of which 12 class rooms are equipped with ICT facilities.
- The College has 4 ICT enabled seminar halls with well-equipped infrastructure for organizing special lecturers and meetings.
- All the laboratories are designed with safety features imbibed in the infrastructure and create an excellent ambience and atmosphere for work.
- An incubation center with all the necessary equipment, to help the entrepreneurs realize their ideas.

Computer Facilities

- The institution maintains a total of 425 computers, with 331 computers solely for the students academic and browsing facilities.
- The students can access the internet in the Central Computing Facility as well as the Digital Library.
- Internet facility is available in the classrooms, faculty rooms with LAN connections, in addition to the Wi-Fi enabled for the whole campus.

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

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

SPORTS

Sports facilities for students such as basketball court, football and cricket ground, volleyball court, indoor badminton court etc. are provided. All the sports activities are coordinated by the Department of Physical Education. A sports tournament 'PACE' covering many sport events is held every academic year. An inter college football, volleyball, badminton and cricket tournaments named as 'AHAS' is also conducted every year. Annual sports meet is conducted as per the KTU schedule. The winners of this meet participate in all Kerala sports meet conducted by KTU.

CULTURAL ACTIVITIES

There are sufficient numbers of conference halls and an auditorium for organizing cultural and literary events. A fully equipped auditorium with a seating capacity of 1000 is available for organizing intercollege as well as intra college cultural events

every year. The college conducts biannual tech fest called as 'KAPRICIOUS' in which students from different engineering colleges take part and exhibit their talents. We also conduct cultural programmes and technical fests exclusively for our students to boost their talents.

GYMNASIUM

Our college boasts an excellent gymnasium with most modern equipment to which is utilized by students to keep themselves fit.

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

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

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	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)

116.06

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

4.2 - Library as a Learning Resource

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

The Central Library of KMEA Engineering College is fully automated. Library functions with Open Source Software - KOHA (Koha version - 22.05.06.000) since 2015 with complete information of book details. The holdings of the library can be searched through OPAC (opac.kmeacollege.ac.in). All the books have been classified with Dewey Decimal Classification. The Library has a collection of 27103 Volumes and 5486 Titles.

A Digital Library with 20 computer systems is also provided to the users in order to access the e-resources such as e-journals, e-books, e-shodhsindhu, DELNET, NPTEL lectures etc. The Library is also a registered member of NDL which has collection of more than

6 lakh E-Books . The institution has subscribed Elsevier ScienceDirect (Engineering + Computer Science) and Ebsco IEEE ASPP Online E-Journal annual subscription. Online resources are available from library portal. Library also has NPTEL Course contents which is a useful tool for both teachers and students. It enables the students to register for the online courses relevant to their core subjects.

The library offers various services to its users like automated circulation system, online public access catalogue, reprography, internet browsing, library orientations, etc.

Name of the ILMS Software : KOHA

Nature of Automation (Fully or Partially) : Fully

Version : 22.05.06.000

Year of Automation : 2015

(Updated with the latest KOHA version on 2022)

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

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

12.98

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

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

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

80

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

4.3 - IT Infrastructure

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

KMEA Engineering college maintains a total of 367 computers, with 331 computers solely for the students academic and browsing facilities. Laptops are available in each department for the easy conduct of classes, seminars and workshops. College has Linux lab, Programming Lab, Project Lab and Central Computing Facility under Department of Computer Science and Engineering, CAD lab under Department, of Civil Engineering, CAD lab under Department of Mechanical Engineering, Systems lab and Microprocessor lab under Department of Electronics and Communication Engineering, and Systems lab under Department of Electronics and Instrumentation. Each lab has sufficient network switches and college provides an uninterrupted leased line BSNL Internet connectivity with one 125 Mbps connection(1:1) and another of NEMICT 10 Mbps BSNL Broadband connection. All computers are supported by UPS back up. We have a WiFi enabled campus with access points centrally controlled by

Ruckus ZoneDirector. The users are authenticated using MAC address and can access network through personal laptops, mobiles and other gadgets. The whole college campus including classrooms is under CCTV Surveillance. Printers and scanners are installed in office, library, staffrooms etc. Xerox machines are also available in college. College maintains a DSpace server and Moodle server. College has Sophos Firewall architecture to protect network from latest threats. The teaching and learning process is enhanced through incorporating ICT tools and e-resources.

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

4.3.2 - Number of Computers

367

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

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

249.9

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

Nil

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year

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

138

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefitted 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

246

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

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

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	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

Nil

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

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

File Description	Documents
Self-attested list of students placed	View File
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

31

File Description	Documents
Upload supporting data for student/alumni	View File
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

0

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

5.3 - Student Participation and Activities

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

one) during the year

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

0

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

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 council committee The functions and activities of a student council should support the aims and objectives of the council and promote the development of the college and the welfare of its students. In planning and undertaking activities during the course of the academic year, the council should work closely with college management, teachers and parents, consult regularly with students in college and involve many students as possible in the activities of council. Responsibilities

Representing the views of the student body to the college management. Promoting good communication within the college.

Supporting the educational development and progress of students. Assisting with induction or mentoring for new first year students.

Contributing to the development of college policy.

Assisting in college sports and cultural activities.

Assisting with fund raising event for charity.

Organising events and activities that engage students, staff, parents and the community.

Students council should take part in promoting college beautification and spreading environmental awareness.

Student council should come together to help to raise awareness in the college and their community within the following categories.

Drug, alcohol, safety and health. Members should research and provide information to staff and students about the negative and positive effects of the above mentioned categories.

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

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

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

3

File Description	Documents
Report of the event	View File
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

KMEA Engineering College, Edathala, Aluva, was established in 2002. An informal Alumni Association of KMEA Engineering College - KMEA ENGINEERING COLLEGE ALUMNI ASSOCIATION (KECIAN), was formed in 2010 to maintain warm bond with alma mater. We completed our formal registration process in 2021 March. The objectives of the

association are

- 1.To maintain the contacts of the alumni of the KMEA Engineering college with alma mater.
- 2.To provide a forum for bringing together the old students of the college
- 3.To institute prizes, scholarships, book banks, research grants etc for the students of the College.
- 4.To provide opportunities for developing entrepreneurship and careerguidance to them.
- 5.To help the student graduating from the college in consistent with their qualification.
- 6.To function as a purely non-profit organization. The college decided that until the formal registration process is completed, all graduated students are enrolled in the Alumni Association later,will be enrolled as per the rules described. Alumni guided project ("HOSPITAL MANAGEMENT SYSTEM") done by 2017 graduated batch students was a success.Many students have been placed by the alumni to the companies in which they work. KECIAN given financial assistance to our sir who left us in an accident,provided help for the flood victims in 2019.

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

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

VISION

- To be a centre of excellence in academics and research for moulding students to become competent engineering professionals with innovative ideas and dedicated to the upliftment of the deprived socioeconomic sections of the society through effective teaching learning process.

Mission

- To transform budding engineers into employable quality professionals.
- To inculcate the need of pursuing higher education among the graduate students so as to create a society of highly educated professionals.
- To impart ethical values and social consciousness among the students so as to create responsible and socially committed engineers.
- To create an excellent academic ambience which encourages creative thinking, innovations and research.

KEC is committed to provide high-quality education for all students. It's an Engineering College which offers an environment conducive to the best learning situations - individualized academic support, dedicated teaching faculty, personal educational and financial counseling. All the processes and procedures are so designed that quality is inherent throughout. Our college hosted the southern regional meet of Institution council (IIC) on 6th August. The meet is jointly organized by the Ministry of Education Innovation Cell and AICTE . Over 500 participants from various higher educational institutions in Kerala and neighboring states attended the event.

File Description	Documents
Paste link for additional information	https://kmeacollege.ac.in/
Upload any additional information	View File

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

KEC has a mechanism for delegating authority and providing operational autonomy to various functionaries to work towards a decentralized governance system. The Management Committee delegates all the academic and operational decisions based on policy to the Academic Council in order to fulfill the vision and mission of the institute. AC formulates common working procedures and entrusts the implementation with the faculty members. Faculty members are given representation in various committees/ cells and allowed to conduct various programmes to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular and extracurricular activities. They are given authority to conduct industrial tours and to have tie-up with industry experts and appointed as coordinator and convener for organizing seminars/ workshops/ conferences/ FDPs.. Our institute promotes a culture of participative management by involving staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties are allowed to express themselves to improve the excellence in any aspect of the Institute. The Principal, Vice principal and staff members are involved in defining the policies/procedures, framing guidelines and rules/regulations pertaining to admission, placement, discipline, grievance, counselling, etc.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic plans were made based on the vision and the mission and by seeing the need of the institution.

- Developing a system for industry interaction through MOUs, internships, trainings and programmes
- Enhancing the continuing education cell to cater the needs of neighbouring community

- Faculty and Student empowerment programmes
- Encourage activity based learning to develop disciplinary minds, creative minds and innovative minds
- Development of start-ups and promotion of entrepreneurship
- Membership of Professional bodies
- Streamlining of Career Guidance and Placement Unit
- Development of Research Cell
- Preparation of institute development plan for academic enhancement
- Activation of IQAC for acquiring NAAC and NBA accreditation
- Enhancement of Alumni Association Activities
- Physical Education Facilities

IEDC KMEA successfully completed the SALT Program-initiative of Kerala

Startup Mission.Startup Awareness & Leadership Training Programme aimed to

set up an innovative and startup environment for 9th and 11 th School students

through college students who are part of IEDC. Sharan K.S(CTO), Mansoor

Majeed(CMO), Shahanaz A H(CCO), Nafeela N(CSO)and Hazeena R. L(Co lead

CCO) was selected as mentors and attended first phase training at Trivandrum on

18th December 2021.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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.

Governing Council (GC) is the College Management Committee, approving the administrative functions of the Institution.

- Decisions on administrative and academic matters
- Budget approval
- Decisions on the addition of new programs depending on the intake of students
- Sanction for activities - academic and non-academic
- Decisions on recruitment
- Improving infrastructure facilities - curricular and co-curricular
- Approval to procure major equipment
- Enhancing general amenities
- Any other major decisions

Administrative Setup

The Principal heads the administrative setup and is the key decision maker with regard to academic and administrative matters. The Vice Principal supports the Principal in various academic activities and takes care of the welfare of the students. Also ensures good order in college and an atmosphere conducive to academic activity by producing timely and accurate statistics, class rosters, grades, certifications, and other reports..

Grievance Redressal

All grievances of staff and students are addressed immediately.

The main functions of the Grievance Redressal Committee are

- Receives appeals from the students and staff
- Identifies the gravity of the appeal
- Ascertains the legal implications of the appeal
- Classifies appeals into academic, administrative or others
- Arranges for Enquiry into the issue
- Discusses the enquiry
- Submits report
- Finalizes action to be take

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-6/6.2.2.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	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

Institute is always striving to motivate and empower the faculty to create sense of direction and positive awareness to all the departments in the teaching learning processes. Institute has organized Teachers Awareness Programs and Teachers Training Programs for motivation and empowerment of the faculty. All the related staff welfare schemes including financial support for PhD, registration fee for FDP programs, the ESI (Employees' State Insurance) for non- teaching staffs, maternity leave, medical leaves are provided as per the government and university rules. Increments: Teaching Non-Teaching Leave Teaching Vacation leave based on academic calendar Casual, Maternity and Sick Leave as per policy Duty leave for attending conferences, congresses, symposia and seminars and delivering lectures in institutes and colleges Special leave for exigencies which may arise

Non-Teaching

- Casual, Maternity and Sick Leave as per policy
- Earned leave which can be availed during the time of vacation period in the academic calendar of the University
- Special leave for exigencies which may arise Health

Teaching and Non-Teaching

- The college implements the ESI (Employees' State Insurance) as per mandate for eligible non-teaching staff.

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

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

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

3

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

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

26

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

34

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

An effective performance management system plays an important role in managing the institution in an efficient manner. A good performance management system works towards the improvement of the overall institutional performance of teaching and non-teaching

staff for ensuring the achievements of the overall institutional mission and vision. The Institution follows all the basic recruitment and promotional policies as per AICTE. All teaching and non-teaching staff should complete the self-appraisal every year.

Appraisal is purely based on the following criteria,

- Teaching and learning effectiveness during the academic year
- Regularity and punctuality
- Active participation in duties assigned by HoD
- Contribution towards extracurricular and co-curricular activities
- Details of innovations/ contributions to teaching during the year
- Major contribution for the benefit of students, staff, institute and society.
- Improvement of professional competence.
- General details such as achievements and difficulties faced.

The management reviews the performance appraisal and analyses each staff. Based on the collective reports, remedial actions will be taken if needed, and also decides the regular increments and promotions. Some of the faculty members have been promoted as per the outcome of the performance reviewer committee

File Description	Documents
Paste link for additional information	Nil
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

- Financial audit is intended to provide a 'reasonable' assurance over the accuracy of financial statements. So our institution appointed an external agency to conduct the financial audit to verify and certify the entire recurring and non-recurring and the capital expenditure of the institute each year. Qualified staff members from our finance department will do a thorough check on each payment and vouchers on a half yearly basis. Likewise external auditors do a thorough check on payment and vouchers on a yearly basis. So far there have been no major objections from any member of the audit team. Minor error pointed out by the audit team was corrected immediately. Precautionary steps are taken to avoid such mistakes in future. The institute regularly follows external financial audit system. Account of each financial year of the institute is audited by Chartered Accountant. The audit queries like, Is there any advance given for purchase, how to meet the revenue for the institution, nature of staff welfare expenses, and all the queries are well answered by the auditee up to the level.

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

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

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

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

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

The Institute has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure, development and teaching learning process. All the major financial transactions are monitored by the office. The financial resolutions of the institute are monitored and recommended by campus committee members. The account of each financial year of the institute is audited by a Chartered Accountant. Thus the utilization of financial resources is monitored at several levels.

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

6.5 - Internal Quality Assurance System

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

The IQAC was established during 2014 and acts as a nodal agency of the institution for coordinating quality-related activities and it works on the basis of the guidelines set forth by NAAC. Quality enhancement and assurance is the benchmark of this institution. Thus the prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of the institution. For this purpose twenty four different entities have been formed under this cell and each entity or component works for improving and upgrading the quality of overall functioning of the college by analysing existing practices and suggesting modification or improvement to IQAC. The quality is maintained at every stage by continuous evaluation of

quality benchmarks/ parameters for various academic and administrative activities.

Objectives

- The primary aim of the IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution
- To promote the measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices
- To promote the college into a centre of excellence in academics and research

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

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

1. Allotment of the subjects to the faculty by HoDs as per their specialization.

2. Preparation of teaching plan and course plan along with correlation to the Course Outcomes (COs), Program Outcome (POs) and Program Specific Outcome (PSOs).

3. Preparation of Course file which contains university syllabus, previous year question papers, series test question papers, assignment questions, their answer key and slow learner activity schedule.

4. Conduction of series test, assignments, seminars as a part of the internal assessment of students

5. Conduction of result analysis of series tests.

6. Identification of slow learners and medium learners from result analysis and conduction of remedial classes.

7. Conduction of advanced courses like NPTEL and GATE coaching for higher learners

8. Conduction of parent teacher meeting and open house after each series test to inform parents about academic progress and behavioural pattern of students.

9. Advisory Committee, Class Committee and Course Committee meeting to review the teaching learning process.

10. Analyse the feedback from students to assess the teaching and to implement any corrective measures.

11. Semester wise result analysis of University exams.

12. Conduction of invited talks by faculties of eminent institutes for students and faculties to enhance their knowledge in specific domains.

13. The seminars and workshops conducted for the faculty and students.

File Description	Documents
Paste link for additional information	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-6/6.5.2.pdf
Upload any additional information	View File

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

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-6/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

To ensure the safety, security and discipline of the students, the college has provided CCTV cameras in all the three academic blocks at class rooms and at key locations including gate. Moreover adequate security staff has been deployed at gate, barrier and at academic blocks to ensure security and discipline of students. The institute has tie up with Samaritan Hospital, Pazhanganad for any medical emergency and has an ambulance maintained by our Pain and Palliative care unit. At women's hostel, timings are maintained for the entry and exit of students. Further round the clock security is also provided at hostels. Fire extinguisher is also provided at various blocks as per the safety norms. The college management committee member, Adv. P.A.Majeed Parakkadan, acts as counsellor and guide our students. Further college invites eminent lady counsellors at regular intervals to counsel and motivate female students. Also counselling of students is done by the concerned mentors to develop good relationships among the staff and students of the organization and to identify their skills that should be developed or improved. Common rooms are provided for both boys and girls in the premises. Separate prayer hall is provided for both girls and boys.

File Description	Documents
Annual gender sensitization action plan	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/2021%20activity%20plan.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	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/Cr%207.1.1.b.pdf

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

C. Any 2 of the above

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

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

KMEA Engineering College is committed to "zero waste " concept byreducing the environmental impact of its activities through its philosophy of "reduce-reuse-recycle- 3R". Over the years, therecycling scheme has included office stationery, electronics items, laboratory material and furniture.. A team comprising ofstaff and students are there to look after and maintain the gardens and greenery of the college. The green rich campus hasbeen created by their effort and as per the plans of the management. All possibilities of enriching environment areconstantly explored and implemented in planned way.

The solid waste management system involves the burning of waste ina specially provided space. Waste like plastic, papers etc. are collected and sold out to scrap vendor at regular intervals.Anincinerator is installed for burning non hazardous waste. We adhere to a strict protocol to minimise the liquid wastedisposal in our laboratories. All waste water lines from

toilets, bathrooms etc. are connected to the septic tank. The E-wastes are collected and are disposed to the scrap dealer based on the highest bidding.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 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	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

D. Any 1 of the above

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e.,

tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution organises various programmes to improve ,tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities'The various programmes by NSS has conveyed its social relevance to

the neighbourhood community. In addition, we conduct severalprogrammes for the service of society, environment such as flood related activities, medically assisted activities like High Schoolcleaning, blood donation camp etc.

The Pain and Palliative care unit of the college has lended ahelping hand to the neighbourhood community during its period of hardships through its programmes and activities. The Womens forumhas been in the forefront for promoting gender equality and women safety.

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

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

The various programmes by NSS has conveyed its social relevance tothe neighbourhood community. NSS unit celebrates all days of national importanceRepublic Day, Independence Day, Gandhi Jayanti,TeachersDay,.Children's day, Engineer's day, NSS day etc. In addition, we conduct several programmes for the service ofsociety, environment such as flood related activities, medically assisted activities like School cleaning, blood donationcamp, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/ACTIVITY%20REPORT%2021-22.pdf
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. 4. Annual awareness programmes on Code of Conduct are organized.

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	No File Uploaded

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

College organizes national festivals and birth/ deathanniversaries of great Indian personalities. 1. Republic Day:- Republic Day is celebrated on January 26 to commemorate the adoption of constitution. Our NSS unit conducts republic day activities on every 26th January. 2. Independence Day: Our students celebrate Independence day on every August 15th by hoisting flags and distributing sweets. 3. Gandhi Jayanti :-Birth Anniversary of Mahatma Gandhi is celebrated on 2nd October. Gandhi Jayanthi is celebrated by our students by observing sevavaram and indulging in social works. 4. Teachers Day: Our students organize teacher's day celebration on 5th September. 5. Engineer's day: Celebrated on 15th September, the birth anniversary of greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya, by Students and faculties by taking a pledge to uphold the ethics & values throughout their career. 6. NSS day was celebrated by our NSS unit on 24th September.

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

7.2 - Best Practices

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

1. Kmea Innovation Council(KIC) KIC was formed to plan, coordinate and control all the activities leading to creation of startups. It

is a mother council which controls the different entities.

1) IIC-established as per guidelines of MIC- GOVT 2) ARIIA-established as per guidelines of MIC- GOVT of India for ranking educational institutions based on innovative and startup activities.

3) IEDC-established to promote startups and innovation ecosystem in the campus. 4) Electronic Incubation centre established by DIC to perform student's ideation and prototype development.

5) SDPK-established as per the norms of Govt. of Kerala

. 6) KDISK- To coordinate and implement real time project in association with Govt. of Kerala.

7) E-Yantra Lab - In association with IIT Mumbai to focus on Robotics and 3D printing. KIC was instrumental in achieving 64th position in ARIIA ranking and also 5 star ranking in IIC rating.

2. KMEA Institutional Scholarship A novel practice which involves, contribution of a part of the monthly salary of the staff of the college voluntarily to meet the fees of needy students. The scholarship is managed by committee consisting of faculty members from each department. A substantial amount has been distributed to the students.

File Description	Documents
Best practices in the Institutional website	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/Best-practices-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Institutional Distinctiveness

1.KMEA Continuing Education Cell- (KCEC) The continuing education cell of the college has been contributing to enhancement of the skill development of neighbouring community by conducting skill development courses through ASAP , PMKVY & SRC programmes. Thus the college is in the forefront of fulfilling its dream of skill enhancement and upliftment of the socio-economic weaker sections of society as mentioned in its vision. 2. INTERNATIONAL ACADEMIC COLLABORATION: MOU between KMEA Engineering College, Kerala and Universiti Teknologi MARA, Malaysia MOU was signed between KMEA and UiTM on 8th January 2021, collaborating on friendship and cooperation, promotion of mutual understanding, academic, cultural, and scientific thought and personnel exchange.

3.KMEA SOCIAL EMPOWERMENT CELL KEC conducts its activities aimed at empowering society through its social empowerment cell. Institute involves the faculty and students in community work. This helps the students to learn ethical values and understand their responsibilities, and develop as good citizens. College has an active National Service Scheme cell, Pain and Palliative care unit and Women's Forum through which different social activities are planned.

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

University publishes academic calendar before the commencement of regular academics. A detailed academic calendar of the college which includes all important dates of curricular, co-curricular and extra-curricular activities is prepared and gets approved by the academic council. The institution has a standard Course Diary. The POs and PSOs are derived from the Graduate Attributes and each faculty prepares COs of the respective subject and explain the same to the students in the first class itself. Course plan and teaching plan are prepared for each course before the beginning of a semester by the concerned faculty within the ambit of academic schedule and this plan is verified and approved by HOD. The faculty members strictly adhere to the approved course plan. Feedbacks from the students are collected periodically to measure the effectiveness of teaching learning process and necessary actions are taken to fine tune the academic process. The student's academic progress is evaluated using various assessment tools like tests and assignments. The institution follows Revised Blooms Taxonomy (RBT) for the evaluation. The IQAC ensures the quality of the process through internal audits and facilitates the counter checking through audits conducted by the representatives of other departments.

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

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

KMEA Engineering College follows the calendar issued by the University strictly and plans all its activities including the conduct of Continuous Internal Evaluation (CIE). The institute prepares an institute-level calendar and subsequently every department prepares its calendar. Institute calendar of events

includes details like the total number of working days and holidays, CIE dates, dates for the Institute's flagship programs. The department calendar comprises guest lectures, workshops, industrial visits, other co-curricular and extra-curricular activities. Internal Assessment tests (IA), assignments, quizzes, and seminars are part of the Continuous Internal Evaluation (CIE) of students. There is a well-defined process for the conduct of CIE as per the calendar of events. The internal assessment test timetable prepared by the examination committee is published to stakeholders, and conducted as per the schedule. Continuous evaluation and assessments are also done for laboratory course, project work, seminars, and internship as per schedule. Conduction of laboratory experiments and viva, Submission of records are the major components of laboratory course evaluation. As per the laboratory rubrics, the internal test is conducted at the end of the semester.

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

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

C. Any 2 of the above

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

1.2 - Academic Flexibility**1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented****1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented**

5

File Description	Documents
Any additional information	No File Uploaded
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)**

7

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

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

134

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	
Gender: Women's Forum	
KMEA Engineering College since its inception has been promoting gender equality. To promote gender equality and to address the grievances of female students & faculties, a Women's Forum has been operating in KMEA campus.	
File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File
1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year	
56	
File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File
1.3.3 - Number of students undertaking project work/field work/ internships	
56	

File Description	Documents
Any additional information	No File Uploaded
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	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

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

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

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

294

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

255

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

KMEA have a blend of slow and advanced learners. The Institution always give special care for improving the performance of slow learners. The induction and orientation programs organized by the Institution help the students and parents to familiarize with rules, regulations, activity points, internal and external assessment system, co curricular activities, extra-curricular activities, techno cultural activities, facilities such as the library, laboratories, central computing facility, physical education facilities, hostels, recreation facility, gymnasium and various other facilities. Faculty Advisors identify the slow learners, medium learners and advanced learners in every batch by considering the performance in Module Tests, Internal Exams, University Examination and Assignments. Course faculty set bench mark and students falling below this level are considered as slow learners. For enhancing the performance of slow learners, Remedial Session and Group Study Sessions are conducted both in college and in hostel . In these sessions slow learners are supported for solving previous year question papers and are encouraged to do more tutorial problems.To improve the technical skill of the students various workshops, internship programs,separate classes for GATE and invited talks are

carried out in all departments. Value added courses are provided to advanced learners for improving their skill for job acquisition.

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

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

Number of Students	Number of Teachers
1105	96

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential learning:

Invited talks are conducted regularly in the college by the external experts. They share their experience with the students that prepares them for real job scenario. Students regularly organizes and takes part in tech fests, conferences, inter college events, project competitions and idea fests. College has signed MOUs with industries to promote internships and training .

Participative learning:

Students are divided into various groups and asked to read various articles or write ups on certain selected topics. They get an opportunity to conceptualize the theoretical aspects and helps them in reflective thinking, problem solving and to logically question what was taught. Students undertake group activities like project, assignments, case-study analysis and are also provided the opportunity to undertake value added courses in the college.. They are also taken to field/ industry visits, study tours in India and are also encouraged to

undertake innovative projects .

Teaching learning methods adopted by the faculty include lecture modes, interactive modes, project based learning, computer assisted learning, experiential learning, tutorials and more. For effective teaching learning process along with intensive ICT tools, Group Discussions, Debates and Brainstorming sessions are conducted. The pedagogical methods like Peer-to-Peer learning, model makings, scale ups, critical pedagogy and role plays are also conducted.

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

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

KMEA practice blended learning which focuses on giving personalized experiences to the learners exposing them to web sources, e-learning, online platforms, games and ICT models. This encourages the students to retain their interest and inculcate self learning procedures. This is practiced by using moodle platform which enables both the educator and learner to interact in face to face online mode. For this purpose college has provided necessary infrastructure and all learners and faculties possess their own moodle login id .

IMPLEMENTATION OF ONLINE PEDAGOGICAL METHODS IN KMEA

Teachers use online whiteboards for best practices in teaching online. In virtual classroom setup, an online whiteboard helps them to convey information and make a better connection . Online whiteboard is a canvas on which teachers can make diagrams, share pre-made templates and charts, make sketches, write etc.

Faculties in KMEA deliver lectures in real time through live online classes. That allow teachers and students to interact

face-to-face and give the classroom-like environment for learning.

Teachers uses various tools like Google meet, WebEx, Zoom etc which are available online and create a connection with students for running regular classes. Teachers are also using other effective ICT enabled techniques like Pre-Recorded Video Lectures,online quizzes.

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

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

2.3.3.1 - Number of mentors

53

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

2.4 - Teacher Profile and Quality

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

96

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

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

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

15

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

724

File Description	Documents
Any additional information	View File
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 Kerala Technological University and adhered to its norms and guidelines. The evaluation scheme is communicated to the first year students and their parents on the invocation day .The daily attendance status of a student is informed to his parent through SMS. The attendance of all students is displayed at the end of each month and at the end of semester . The question paper for internal tests and assignments are set as per revised Blooms Taxonomy. The question paper of each subject is evaluated by the department scrutiny committee . The series tests and assignments are conducted as per academic calendar. CCTV cameras are deployed in all class rooms and exam cells .

The answer sheets are returned to students for scrutiny as per the academic calendar and marks are entered in the portal after addressing the grievances of the students, if any. The internal test marks are also displayed to the students . Open house is conducted to communicate the performance of students .Continuous evaluation process such as viva for each experiment is followed in laboratories. After each exam the Academic Monitoring Committee (AMC) evaluates the students' performance .

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

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

The internal examination dates are decided in academic council meeting in line with University academic calendar . The academic calendar is displayed to students at the beginning of the semester.Two sets of Question papers are sent by question paper setter to Head of Department, who chooses a question paper to avoid probable leakage of questions. Department question paper scrutiny committee is constituted with HoD and senior faculty as members , to ensure the quality of the question paper .The weightage and division of marks are made transparent .The scheme and key of question paper is also prepared and is communicated to students after internal exam.The evaluation of answer sheets are done by faculty handling the subjects .The students can approach the concerned course faculty for clarification, if any.He can also approach

HOD and Principal with his answer sheet, if his grievances regarding the evaluation of answer sheet is not satisfied . There is a grievance redressal mechanism for students to redress all grievances with regard to the evaluation process related to the internal examinations. Class/course committee meetings are conducted as specified by the University and results are analyzed in the meeting. Students can provide their suggestions during the meeting.

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

2.6 - Student Performance and Learning Outcomes

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

The Institute has well defined learning outcomes. The vision and mission of the institution emphasizes on promoting value education through motivated trained faculty to prepare the students to accept the challenges of globalization. The vision and mission statements are displayed at various key positions in the college building. Programme Educational Objectives (PEO), Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course outcomes (CO) have been defined by every department. These are also available in course files along with the mapping of the same with programme outcomes and course outcomes. These are also made available as a printout along with many other details such as course plan, question bank, assignment questions, evaluation scheme in the department. Programme Educational Objectives (PEO), Programme Specific Outcomes(PSO) and Programme outcomes (PO) are discussed during department meetings comprising of Head of Departments and faculties and course outcomes (CO) are discussed by faculty members in the classrooms. Programme Educational Objectives (PEO), Programme Specific Outcomes(PSO) and Programme Outcomes (PO) are published in the website of college. At the end of every semester, all the departments evaluate POs and COs by using tools like tutorial and mid-term results, exam results, course end survey and yearly alumni feedback etc.

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

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

The institution use course outcome as an indicator for evaluating student performance and achievement of learning objectives. The process of attainment of COs, POs and PSOs starts from writing appropriate COs .The course outcomes are written by the respective faculty using Bloom's Taxonomy.A correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course . The course outcomes written and their mapping with POs are reviewed frequently by a committee of senior faculty members and HoD . Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of CO. PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% to indirect assessment. Direct assessment is based on CO attainment where 80% weightage is given to attainment through university exams and 20% weightage is given to attainment through internal assessments. Indirect assessment is done through programme exit survey, alumni survey and employer survey where programme exit survey and employer survey are given a weightage of 25% each and alumni exit survey is given a weightage of 50%.

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

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year**151**

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	https://kmeacollege.ac.in/naac.php

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://kmeacollege.ac.in/naac.php>**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)****1463050**

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

1463050

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	Nil

3.2 - Innovation Ecosystem

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

KMEA INNOVATION COUNCIL (KIC)

KMEA INNOVATION COUNCIL (KIC) is an apex body to create a vibrant local innovation ecosystem in KMEA Engineering college. It is a body to control and coordinate IIC (Institution's Innovation Council), ARIIA (Atal Ranking Of Institutions On Innovation Achievements), IEDC- KSUM (Kerala State Startup Mission), Entrepreneurship Development Cell (EDC), Electronic Incubator (Electronic Startup incubator), K-DISC (Kerala Development & Innovation Strategy Council), KMEA IPR cell, Tinkerhub and e-Yantra Robotics lab. Vision: KMEA engineering college through KMEA Innovation Cell (KIC) has taken steps to inculcate the incubation and start-up mantra among students and faculties by aligning with various state and central government

programs over the years. There is a dedicated start-up space in the campus, which has history of incubating few companies who has flown out with flying colours. It is the vision of KIC to inculcate the incubation start-up practices among students, through their academic calendar, making them nurture their ideas, bring them to conceptual stage, promote funding through various schemes and programs, while encouraging them to transform to a start-up through incubation.

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

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

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

21

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

3.3 - Research Publications and Awards

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

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

3

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

21

File Description	Documents
Any additional information	No File Uploaded
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

8

File Description	Documents
Any additional information	No File Uploaded
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

In order to boost the skill acquisition and employability of the neighboring community, the KMEA Engineering College has

been conducting following courses under the scheme of ASAP, PMKVY and SRC

Institute involves the faculty and students in community work. This helps the students to learn ethical values and understand their responsibilities, and develop as good citizens. College has an active National Service Scheme cell and Pain and palliative care unit through which different social activities are planned for each year.

Impact

- ASAP aims to become an initiative that works with a passionate drive towards equipping the youth of Kerala for the highly demanding industrial roles of today and the future. This student-centered programme works with different industrial sectors to design and update curriculums that inculcate desirable skill sets and qualities to the students to develop a pool of industry ready candidates.
- The State Resource centre, Kerala (SRC, Kerala) was established in 1978, with the ultimate objective of providing academic and technical resource support to all the agencies in the state engaged in Adult and continuing Education programmes
- The various programmes by NSS has conveyed the social relevance of the various programmes such as to the neighborhood community.
- The various programmes by the Women's Forum was conducted for the betterment of the society.
- The pain and palliative care unit of the college has lended a helping hand to the neighborhood community during its period of hardships through its programmes and activities.

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

2

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

53

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

2872

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

3.5 - Collaboration

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

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

6

File Description	Documents
e-copies of related Document	No File Uploaded
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

27

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.

The institution has a sprawling campus spread over 25 acres and 70.529 cents with modern buildings, technology-enabled classrooms, internet with Wi-Fi, library with reading room, digital library, well equipped laboratories, central computing facility, spacious hostels for students, seminar halls and auditorium. Adequate facilities for teaching and learning are available throughout the campus in the three academic blocks.

Campus Infrastructure

- We have 33 spacious classrooms with proper ventilation, lighting and appropriate furniture, out of which 12 classrooms are equipped with ICT facilities.
- The College has 4 ICT enabled seminar halls with well-equipped infrastructure for organizing special lecturers and meetings.
- All the laboratories are designed with safety features imbibed in the infrastructure and create an excellent ambience and atmosphere for work.
- An incubation center with all the necessary equipment, to help the entrepreneurs realize their ideas.

Computer Facilities

- The institution maintains a total of 425 computers, with 331 computers solely for the students academic and browsing facilities.
- The students can access the internet in the Central Computing Facility as well as the Digital Library.
- Internet facility is available in the classrooms, faculty rooms with LAN connections, in addition to the Wi-Fi enabled for the whole campus.

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

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

SPORTS

Sports facilities for students such as basketball court, football and cricket ground, volleyball court, indoor badminton court etc. are provided. All the sports activities are coordinated by the Department of Physical Education. A sports tournament 'PACE' covering many sport events is held every academic year. An inter college football, volleyball, badminton and cricket tournaments named as 'AHAS' is also conducted every year. Annual sports meet is conducted as per the KTU schedule. The winners of this meet participate in all Kerala sports meet conducted by KTU.

CULTURAL ACTIVITIES

There are sufficient numbers of conference halls and an auditorium for organizing cultural and literary events. A fully equipped auditorium with a seating capacity of 1000 is available for organizing intercollege as well as intra college cultural events

every year. The college conducts biannual tech fest called as 'KAPRICIOUS' in which students from different engineering

colleges take part and exhibit their talents. We also conduct cultural programmes and technical fests exclusively for our students to boost their talents.

GYMNASIUM

Our college boasts an excellent gymnasium with most modern equipment to which is utilized by students to keep themselves fit.

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

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

39

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	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)

116.06

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

4.2 - Library as a Learning Resource

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

The Central Library of KMEA Engineering College is fully automated. Library functions with Open Source Software - KOHA (Koha version - 22.05.06.000) since 2015 with complete information of book details. The holdings of the library can be searched through OPAC (opac.kmeacollege.ac.in). All the books have been classified with Dewey Decimal Classification. The Library has a collection of 27103 Volumes and 5486 Titles.

A Digital Library with 20 computer systems is also provided to the users in order to access the e-resources such as e-journals, e-books, e-shodhsindhu, DELNET, NPTEL lectures etc. The Library is also a registered member of NDL which has collection of more than 6 lakh E-Books . The institution has subscribed Elsevier ScienceDirect (Engineering + Computer Science) and Ebsco IEEE ASPP Online E-Journal annual subscription. Online resources are available from library portal. Library also has NPTEL Course contents which is a useful tool for both teachers and students. It enables the students to register for the online courses relevant to their core subjects.

The library offers various services to its users like automated circulation system, online public access catalogue, reprography, internet browsing, library orientations, etc.

Name of the ILMS Software : KOHA

Nature of Automation (Fully or Partially) : Fully

Version : 22.05.06.000

Year of Automation : 2015

(Updated with the latest KOHA version on 2022)

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

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

12.98

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

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

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

80

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

4.3 - IT Infrastructure**4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

KMEA Engineering college maintains a total of 367 computers, with 331 computers solely for the students academic and browsing facilities. Laptops are available in each department for the easy conduct of classes, seminars and workshops. College has Linux lab, Programming Lab, Project Lab and Central Computing Facility under Department of Computer Science and Engineering, CAD lab under Department, of Civil Engineering, CAD lab under Department of Mechanical Engineering, Systems lab and Microprocessor lab under Department of Electronics and Communication Engineering, and Systems lab under Department of Electronics and Instrumentation. Each lab has sufficient network switches and college provides an uninterrupted leased line BSNL Internet connectivity with one 125 Mbps connection (1:1) and another of NEMICT 10 Mbps BSNL Broadband connection. All computers are supported by UPS back up. We have a WiFi enabled campus with access points centrally controlled by Ruckus Zone Director. The users are authenticated using MAC address and can access network through personal laptops, mobiles and other gadgets. The whole college campus including classrooms is under CCTV Surveillance. Printers and scanners are installed in office, library, staff rooms etc. Xerox machines are also available in college. College maintains a DSpace server and Moodle server. College has Sophos Firewall architecture to protect network from latest threats. The teaching and learning process is enhanced through incorporating ICT tools and e-resources.

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

4.3.2 - Number of Computers	
367	
File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	No File Uploaded
4.3.3 - Bandwidth of internet connection in the Institution	A. ? 50MBPS
File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	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)	
249.9	
File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	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.	
Nil	

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

138

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

246

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

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
File Description	Documents
Link to Institutional website	Nil
Any additional information	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	
Nil	
5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year	
File Description	Documents
Any additional information	No File Uploaded
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	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

89

File Description	Documents
Self-attested list of students placed	View File
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

31

File Description	Documents
Upload supporting data for student/alumni	View File
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

0

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

5.3 - Student Participation and Activities

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

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

0

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

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 council committee The functions and activities of a student council should support the aims and objectives of the

council and promote the development of the college and the welfare of its students. In planning and undertaking activities during the course of the academic year, the council should work closely with college management, teachers and parents, consult regularly with students in college and involve many students as possible in the activities of council. Responsibilities

Representing the views of the student body to the college management. Promoting good communication within the college.

Supporting the educational development and progress of students. Assisting with induction or mentoring for new first year students.

Contributing to the development of college policy.

Assisting in college sports and cultural activities.

Assisting with fund raising event for charity.

Organising events and activities that engage students, staff, parents and the community.

Students council should take part in promoting college beautification and spreading environmental awareness.

Student council should come together to help to raise awareness in the college and their community within the following categories.

Drug, alcohol, safety and health. Members should research and provide information to staff and students about the negative and positive effects of the above mentioned categories.

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

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

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

3

File Description	Documents
Report of the event	View File
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

KMEA Engineering College, Edathala, Aluva, was established in 2002. An informal Alumni Association of KMEA Engineering College -KMEA ENGINEERING COLLEGE ALUMNI ASSOCIATION (KECIAN), was formed in 2010 to maintain warm bond with alma mater. We completed our formal registration process in 2021 March. The objectives of the association are

- 1.To maintain the contacts of the alumni of the KMEA Engineering college with alma mater.
- 2.To provide a forum for bringing together the old students of the college
- 3.To institute prizes, scholarships, book banks, research grants etc for the students of the College.
- 4.To provide opportunities for developing entrepreneurship and careerguidance to them.
- 5.To help the student graduating from the college in consistent with their qualification.
- 6.To function as a purely non-profit organization. The college decided that until the formal registration process is completed, all graduated students are enrolled in the Alumni Association later,will be enrolled as per the rules described.

Alumni guided project ("HOSPITAL MANAGEMENT SYSTEM") done by 2017 graduated batch students was a success. Many students have been placed by the alumni to the companies in which they work. KECIAN given financial assistance to our sir who left us in an accident, provided help for the flood victims in 2019.

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

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

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

VISION

- To be a centre of excellence in academics and research for moulding students to become competent engineering professionals with innovative ideas and dedicated to the upliftment of the deprived socioeconomic sections of the society through effective teaching learning process.

Mission

- To transform budding engineers into employable quality professionals.
- To inculcate the need of pursuing higher education among the graduate students so as to create a society of highly educated professionals.
- To impart ethical values and social consciousness among the students so as to create responsible and socially

committed engineers.

- To create an excellent academic ambience which encourages creative thinking, innovations and research.

KEC is committed to provide high-quality education for all students. It's an Engineering College which offers an environment conducive to the best learning situations - individualized academic support, dedicated teaching faculty, personal educational and financial counseling. All the processes and procedures are so designed that quality is inherent throughout. Our college hosted the southern regional meet of Institution council (IIC) on 6th August. The meet is jointly organized by the Ministry of Education Innovation Cell and AICTE . Over 500 participants from various higher educational institutions in Kerala and neighboring states attended the event.

File Description	Documents
Paste link for additional information	https://kmeacollege.ac.in/
Upload any additional information	View File

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

KEC has a mechanism for delegating authority and providing operational autonomy to various functionaries to work towards a decentralized governance system. The Management Committee delegates all the academic and operational decisions based on policy to the Academic Council in order to fulfill the vision and mission of the institute. AC formulates common working procedures and entrusts the implementation with the faculty members. Faculty members are given representation in various committees/ cells and allowed to conduct various programmes to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular and extracurricular activities. They are given authority to conduct industrial tours and to have tie-up with industry experts and appointed as coordinator and convener for organizing seminars/ workshops/ conferences/ FDPs.. Our institute promotes a culture of participative management by involving staff and students in various activities. All

decisions of the institution are governed by management of facts, information and objectives. Both students and faculties are allowed to express themselves to improve the excellence in any aspect of the Institute. The Principal, Vice principal and staff members are involved in defining the policies/procedures, framing guidelines and rules/regulations pertaining to admission, placement, discipline, grievance, counselling, etc.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Strategic plans were made based on the vision and the mission and by seeing the need of the institution.

- Developing a system for industry interaction through MOUs, internships, trainings and programmes
- Enhancing the continuing education cell to cater the needs of neighbouring community
- Faculty and Student empowerment programmes
- Encourage activity based learning to develop disciplinary minds, creative minds and innovative minds
- Development of start-ups and promotion of entrepreneurship
- Membership of Professional bodies
- Streamlining of Career Guidance and Placement Unit
- Development of Research Cell
- Preparation of institute development plan for academic enhancement
- Activation of IQAC for acquiring NAAC and NBA accreditation

- Enhancement of Alumni Association Activities
- Physical Education Facilities

IEDC KMEA successfully completed the SALT Program-initiative of Kerala

Startup Mission.Startup Awareness & Leadership Training Programme aimed to

set up an innovative and startup environment for 9th and 11 th School students

through college students who are part of IEDC. Sharan K.S(CTO), Mansoor

Majeed(CMO), Shahanaz A H(CCO), Nafeela N(CSO)and Hazeena R. L(Co lead

CCO) was selected as mentors and attended first phase training at Trivandrum on

18th December 2021.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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.

Governing Council (GC) is the College Management Committee, approving the administrative functions of the Institution.

- Decisions on administrative and academic matters
- Budget approval

- Decisions on the addition of new programs depending on the intake of students
- Sanction for activities - academic and non-academic
- Decisions on recruitment
- Improving infrastructure facilities - curricular and co-curricular
- Approval to procure major equipment
- Enhancing general amenities
- Any other major decisions

Administrative Setup

The Principal heads the administrative setup and is the key decision maker with regard to academic and administrative matters. The Vice Principal supports the Principal in various academic activities and takes care of the welfare of the students. Also ensures good order in college and an atmosphere conducive to academic activity by producing timely and accurate statistics, class rosters, grades, certifications, and other reports..

Grievance Redressal

All grievances of staff and students are addressed immediately.

The main functions of the Grievance Redressal Committee are

- Receives appeals from the students and staff
- Identifies the gravity of the appeal
- Ascertains the legal implications of the appeal
- Classifies appeals into academic, administrative or others
- Arranges for Enquiry into the issue
- Discusses the enquiry

- Submits report
- Finalizes action to be take

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	https://kmeacollege.ac.in/naac/AOAR-2021-22/Criteria-6/6.2.2.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	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

Institute is always striving to motivate and empower the faculty to create sense of direction and positive awareness to all the departments in the teaching learning processes. Institute has organized Teachers Awareness Programs and Teachers Training Programs for motivation and empowerment of the faculty. All the related staff welfare schemes including financial support for PhD, registration fee for FDP programs, the ESI (Employees' State Insurance) for non- teaching staffs, maternity leave, medical leaves are provided as per the

government and university rules. Increments: Teaching Non-Teaching Leave Teaching Vacation leave based on academic calendar Casual, Maternity and Sick Leave as per policy Duty leave for attending conferences, congresses, symposia and seminars and delivering lectures in institutes and colleges Special leave for exigencies which may arise

Non-Teaching

- Casual, Maternity and Sick Leave as per policy
- Earned leave which can be availed during the time of vacation period in the academic calendar of the University
- Special leave for exigencies which may arise Health

Teaching and Non-Teaching

- The college implements the ESI (Employees' State Insurance) as per mandate for eligible non-teaching staff.

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

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

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

3

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	No File Uploaded

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

26

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

34

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

An effective performance management system plays an important role in managing the institution in an efficient manner. A good performance management system works towards the improvement of the overall institutional performance of teaching and non-teaching staff for ensuring the achievements of the overall institutional mission and vision. The Institution follows all the basic recruitment and promotional policies as per AICTE. All teaching and non-teaching staff should complete the self-appraisal every year.

Appraisal is purely based on the following criteria,

- Teaching and learning effectiveness during the academic year
- Regularity and punctuality
- Active participation in duties assigned by HoD
- Contribution towards extracurricular and co-curricular activities
- Details of innovations/ contributions to teaching during the year
- Major contribution for the benefit of students, staff, institute and society.
- Improvement of professional competence.

- General details such as achievements and difficulties faced.

The management reviews the performance appraisal and analyses each staff. Based on the collective reports, remedial actions will be taken if needed, and also decides the regular increments and promotions. Some of the faculty members have been promoted as per the outcome of the performance reviewer committee

File Description	Documents
Paste link for additional information	Nil
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

- Financial audit is intended to provide a 'reasonable' assurance over the accuracy of financial statements. So our institution appointed an external agency to conduct the financial audit to verify and certify the entire recurring and non-recurring and the capital expenditure of the institute each year. Qualified staff members from our finance department will do a thorough check on each payment and vouchers on a half yearly basis. Likewise external auditors do a thorough check on payment and vouchers on a yearly basis. So far there have been no major objections from any member of the audit team. Minor error pointed out by the audit team was corrected immediately. Precautionary steps are taken to avoid such mistakes in future. The institute regularly follows external financial audit system. Account of each financial year of the institute is audited by Chartered Accountant. The audit queries like, Is there any advance given for purchase, how to meet the revenue for the institution, nature of staff welfare expenses, and all the queries are well answered by the auditee up to the level.

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

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

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

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

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

The Institute has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure, development and teaching learning process. All the major financial transactions are monitored by the office. The financial resolutions of the institute are monitored and recommended by campus committee members. The account of each financial year of the institute is audited by a Chartered Accountant. Thus the utilization of financial resources is monitored at several levels.

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

6.5 - Internal Quality Assurance System

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

The IQAC was established during 2014 and acts as a nodal agency of the institution for coordinating quality-related activities and it works on the basis of the guidelines set forth by NAAC. Quality enhancement and assurance is the benchmark of this institution. Thus the prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of the institution. For this purpose twenty four different entities have been formed under this cell and each entity or component works for improving and upgrading the quality of overall functioning of the college by analysing existing practices and suggesting modification or improvement to IQAC. The quality is maintained at every stage by continuous evaluation of quality benchmarks/ parameters for various academic and administrative activities.

Objectives

- The primary aim of the IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution
- To promote the measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices
- To promote the college into a centre of excellence in academics and research

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

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

1. Allotment of the subjects to the faculty by HoDs as per their specialization.
2. Preparation of teaching plan and course plan along with correlation to the Course Outcomes (COs), Program Outcome (POs) and Program Specific Outcome (PSOs).
3. Preparation of Course file which contains university syllabus, previous year question papers, series test question papers, assignment questions, their answer key and slow learner activity schedule.
4. Conduction of series test, assignments, seminars as a part of the internal assessment of students
5. Conduction of result analysis of series tests.
6. Identification of slow learners and medium learners from result analysis and conduction of remedial classes.
7. Conduction of advanced courses like NPTEL and GATE coaching for higher learners
8. Conduction of parent teacher meeting and open house after each series test to inform parents about academic progress and behavioural pattern of students.
9. Advisory Committee, Class Committee and Course Committee meeting to review the teaching learning process.
10. Analyse the feedback from students to assess the teaching and to implement any corrective measures.
11. Semester wise result analysis of University exams.
12. Conduction of invited talks by faculties of eminent institutes for students and faculties to enhance their knowledge in specific domains.
13. The seminars and workshops conducted for the faculty and students.

File Description	Documents
Paste link for additional information	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-6/6.5.2.pdf
Upload any additional information	View File

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

C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-6/6.5.3.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

To ensure the safety, security and discipline of the students, the college has provided CCTV cameras in all the three academic blocks at class rooms and at key locations including gate. Moreover adequate security staff has been deployed at gate, barrier and at academic blocks to ensure security and discipline of students. The institute has tie up with Samaritan Hospital, Pazhanganad for any medical emergency and has an

ambulance maintained by our Pain and Palliative care unit. At women's hostel, timings are maintained for the entry and exit of students. Further round the clock security is also provided at hostels. Fire extinguisher is also provided at various blocks as per the safety norms. The college management committee member, Adv. P.A.Majeed Parakkadan, acts as counsellor and guide our students. Further college invites eminent lady counsellors at regular intervals to counsel and motivate female students. Also counselling of students is done by the concerned mentors to develop good relationships among the staff and students of the organization and to identify their skills that should be developed or improved. Common rooms are provided for both boys and girls in the premises. Separate prayer hall is provided for both girls and boys.

File Description	Documents
Annual gender sensitization action plan	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/2021%20activity%20plan.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	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/Cr%207.1.1.b.pdf

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

C. Any 2 of the above

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

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

KMEA Engineering College is committed to "zero waste " concept

by reducing the environmental impact of its activities through its philosophy of "reduce-reuse-recycle- 3R". Over the years, the recycling scheme has included office stationery, electronics items, laboratory material and furniture.. A team comprising of staff and students are there to look after and maintain the gardens and greenery of the college. The green rich campus has been created by their effort and as per the plans of the management. All possibilities of enriching environment are constantly explored and implemented in planned way.

The solid waste management system involves the burning of waste in a specially provided space. Waste like plastic, papers etc. are collected and sold out to scrap vendor at regular intervals. An incinerator is installed for burning non hazardous waste. We adhere to a strict protocol to minimise the liquid waste disposal in our laboratories. All waste water lines from toilets, bathrooms etc. are connected to the septic tank. The E-wastes are collected and are disposed to the scrap dealer based on the highest bidding.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

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

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

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	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

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

D. Any 1 of the above

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

7.1.7 - The Institution has 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

A. Any 4 or all of the above

persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

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

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution organises various programmes to improve ,tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities'The various programmes by NSS has conveyed its social relevance to the neighbourhood community. In addition, we conduct severalprogrammes for the service of society, environment such as flood related activities, medically assisted activities like High Schoolcleaning, blood donation camp etc.

The Pain and Palliative care unit of the college has lended ahelping hand to the neighbourhood community during its period of hardships through its programmes and activities. The Womens forumhas been in the forefront for promoting gender equality and women safety.

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

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

The various programmes by NSS has conveyed its social relevance to the neighbourhood community. NSS unit celebrates all days of national importance Republic Day, Independence Day, Gandhi Jayanti, Teachers Day, Children's day, Engineer's day, NSS day etc. In addition, we conduct several programmes for the service of society, environment such as flood related activities, medically assisted activities like School cleaning, blood donation camp, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://kmeacollege.ac.in/naac/AOAR-2021-22/Criteria-7/ACTIVITY%20REPORT%2021-22.pdf
Any other relevant information	Nil

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

C. Any 2 of the above

File Description	Documents
Code of ethics policy document	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	No File Uploaded

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

College organizes national festivals and birth/deathanniversaries of great Indian personalities. 1. Republic Day:- Republic Day is celebrated on January 26 to commemorate the adoption of constitution. Our NSS unit conducts republic day activities on every 26th January. 2. Independence Day: Our students celebrate Independence day onevery August 15th by hoisting flags and distributing sweets. 3. Gandhi Jayanti :-Birth Anniversary of Mahatma Gandhi iscelebrated on 2nd October. Gandhi Jayanthi is celebrated by our students by observing sevanavaram and indulging in social works. 4. Teachers Day: Our students organize teacher's day celebration on5th September. 5..Engineer's day: Celebrated on 15th September, the birth anniversary of greatest Indian Engineer Bharat RatnaMokshagundam Visvesvaraya, by Students and faculties by taking apledge to uphold the ethics & values throughout their career. 6.. NSS day was celebrated by our NSS unit on 24th September.

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

7.2 - Best Practices

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

1. Kmea Innovation Council(KIC) KIC was formed to plan, coordinate and control all the activities leading to creation of startups. It

is a mother council which controls the different entities.

1) IIC-established as per guidelines of MIC- GOVT 2) ARIIA-established as per guidelines of MIC- GOVT of India for ranking educational institutions based on innovative and startup activities.

3) IEDC-established to promote startups and innovation ecosystem in the campus. 4) Electronic Incubation centre established by DIC to perform student's ideation and prototype development.

5) SDPK-established as per the norms of Govt. of Kerala

. 6) KDISK- To coordinate and implement real time project in association with Govt. of Kerala.

7) E-Yantra Lab - In association with IIT Mumbai to focus on Robotics and 3D printing. KIC was instrumental in achieving 64th position in ARIIA ranking and also 5 star ranking in IIC rating.

2. KMEA Institutional Scholarship A novel practice which involves, contribution of a part of the monthly salary of the staff of the college voluntarily to meet the fees of needy students. The scholarship is managed by committee consisting of faculty members from each department. A substantial amount has been distributed to the students.

File Description	Documents
Best practices in the Institutional website	https://kmeacollege.ac.in/naac/AQAR-2021-22/Criteria-7/Best-practices-22.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Institutional Distinctiveness

1.KMEA Continuing Education Cell- (KCEC) The continuing education cell of the college has been contributing to enhancement of the skill development of neighbouring community by conducting skill development courses through ASAP , PMKVY & SRCprogrammes. Thus the college is in the forefront of fulfilling its dream of skill enhancement and upliftment of the socio-economic weaker sections of society as mentioned in its vision. 2. INTERNATIONAL ACADEMIC COLLABORATION: MOU between KMEA Engineering College, Kerala and Universiti Teknologi MARA, Malaysia MOU was signed between KMEA and UiTM on 8th January 2021, collaborating on friendship and cooperation, promotion of mutual understanding, academic, cultural, and scientific thought and personnel exchange.

3.KMEA SOCIAL EMPOWERMENT CELL KEC conducts its activities aimed at empowering society through its social empowerment cell. Institute involves the faculty and students in community work. This helps the students to learn ethical values and understand their responsibilities, and develop as good citizens. College has an active National Service Scheme cell, Pain and Palliative care unit and Women's Forum through which different social activities are planned.

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

7.3.2 - Plan of action for the next academic year

PLAN OF ACTION FOR THE NEXT ACADEMIC YEAR

1. In the quality improvement aspects, the college has already submitted for the NBA accreditation of 5 departments. College is expecting NBA accreditation for all departments by 2023.
2. College also completed a milestone of visit by expert committee of KTU for approving college as a research center. College expects to be a research center by 2023.

3. College is also preparing to participate in NIRF ranking and expects a reasonable rank by 2024.
4. College is in the forefront of innovation and startup eco system through the efforts of KMEA Innovation Council (KIC), which is an umbrella organisation of around 14 entities. KIC has proved its merit by obtaining 64th position in ARIIA ranking and 5 star rating in MOE rating and conducted South India Regional meet of IIC. College expects KIC to gather an excellent ranking and rating in the upcoming academic year.
5. KMEA Social Empowerment Cell (KSEC) has spear headed its activities through NSS, Pain & Palliative care unit and Women's Forum. In the field of Social & External outreach as well as gender equality, college expects our proud NSS unit to be one among the best in Kerala.