YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution M.Kumarasamy College of Engineering

- Name of the Head of the institution Dr.B.S.Murugan

- Designation Principal

- Does the institution function from its own campus? Yes

- Phone No. of the Principal 04342270755

- Alternate phone No. 04342272155

- Mobile No. (Principal) 9865230477

- Registered e-mail ID (Principal) principal@mkce.ac.in

- Address Thalavapalayam

- City/Town Karur

- State/UT Tamil Nadu

- Pin Code 639113

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) 20/07/2021

- Type of Institution Co-education

- Location Rural

- Financial Status **Self-financing**

- Name of the IQAC Co-ordinator/Director **Dr. L. GURU PRASAD**

- Phone No. **04342270755**

- Mobile No: **09489891251**

- IQAC e-mail ID **iqac@mkce.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year) https://www.mkce.ac.in/files/2020-2021_aqar.pdf

4.Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: https://www.mkce.ac.in/academic-calendar.php

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.66**	**2016**	**25/05/2016**	**24/05/2021**
Cycle 2	**A**	**3.03**	**2022**	**04/01/2022**	**04/01/2027**

6.Date of Establishment of IQAC **09/07/2014**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
M.Kumarasamy College of Engineering	**12B**	**UGC**	**01/06/2020**	**0**

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI

View File

9.No. of IQAC meetings held during the year   `4 https://mkce.ac.in/iqac-meetings.php`

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

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

10.Did IQAC receive funding from any 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)

`1. Online Tool establishment for effective Teaching - Learning Process 2. Focus on quality publications 3. Participation in nirf, QS and other Impact Rankings 4. NAAC cycle 2 SSR submission 5. NBA SAR submitted for three programs such as B.E - ECE,EEE and Mechanical`

12.Plan of action chalked out by IQAC at 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
Research Target : Doctorate - 2 SCI , Ph.D pursuing - 1 SCI, 1 Scopus, Non- Doctorate - 2 scopus	Significance improvement towards quality publications
Start - ups in Incubation Cell	Already the institution have six start-up along with that two more startups have been established
Ranking participation - nirf, WIR,GIR and THE impact Rankings	Participated in NIRF-22 ranking. The Global Impact Rankings - A5 band, Sustainable Institutions of India(SII), Bhumi Campus Awards,
Accreditation work and its follow up	Obtained NAAC A grade in cycle 2 and NBA (B.E - ECE,EEE and MECHANICAL)

13.Was the AQAR placed before the statutory body?　　**Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	01/10/2022

14.Was the institutional data submitted to AISHE ?　　**Yes**

- Year

　　　　03-08-2023 11:38:56

Part A	
Data of the Institution	
1.Name of the Institution	M.Kumarasamy College of Engineering
• Name of the Head of the institution	Dr.B.S.Murugan
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04342270755
• Alternate phone No.	04342272155
• Mobile No. (Principal)	9865230477
• Registered e-mail ID (Principal)	principal@mkce.ac.in
• Address	Thalavapalayam
• City/Town	Karur
• State/UT	Tamil Nadu
• Pin Code	639113
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	20/07/2021
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr. L. GURU PRASAD

• Phone No.	**04342270755**
• Mobile No:	**09489891251**
• IQAC e-mail ID	**iqac@mkce.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	**https://www.mkce.ac.in/files/2020-2021_aqar.pdf**
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	**https://www.mkce.ac.in/academic-calendar.php**

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**B**	**2.66**	**2016**	**25/05/2016**	**24/05/2021**
Cycle 2	**A**	**3.03**	**2022**	**04/01/2022**	**04/01/2027**

6.Date of Establishment of IQAC	**09/07/2014**

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
M.Kumarasamy College of Engineering	**12B**	**UGC**	**01/06/2020**	**0**

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

9.No. of IQAC meetings held during the year	**4 https://mkce.ac.in/iqac-meetings.php**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	**Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Did IQAC receive funding from any 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)

1. Online Tool establishment for effective Teaching - Learning Process 2. Focus on quality publications 3. Participation in nirf, QS and other Impact Rankings 4. NAAC cycle 2 SSR submission 5. NBA SAR submitted for three programs such as B.E - ECE,EEE and Mechanical

12.Plan of action chalked out by IQAC at 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
Research Target : Doctorate - 2 SCI , Ph.D pursuing - 1 SCI, 1 Scopus, Non- Doctorate - 2 scopus	**Significance improvement towards quality publications**
Start - ups in Incubation Cell	**Already the institution have six start-up along with that two more startups have been established**
Ranking participation - nirf, WIR,GIR and THE impact Rankings	**Participated in NIRF-22 ranking. The Global Impact Rankings - A5 band, Sustainable Institutions of India(SII), Bhumi Campus Awards,**
Accreditation work and its follow up	**Obtained NAAC A grade in cycle 2 and NBA (B.E - ECE,EEE and MECHANICAL)**

13.Was the AQAR placed before the statutory body?	**Yes**

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	**01/10/2022**

14.Was the institutional data submitted to AISHE ?	**Yes**

- Year

Year	Date of Submission
2021-2022	**13/01/2023**

15.Multidisciplinary / interdisciplinary

One of the mission of M.Kumarasamy College of Engineering is "to Create a diverse, fully-engaged, learner-centric campus environment to provide quality education to the students". To achieve this mission, the institute provides opportunities to the students to choose multidisciplinary courses in their under-graduate programs. Institute offers choice-based credit systems through which the student can enroll in multidisciplinary and interdisciplinary courses. For every under graduate programs the Course subjects like Physics, Chemistry, Mathematics, English, Environmental Science, Indian tradition and heritage, Indian art forms, basic civil and mechanical engineering, basic electrical and electronics engineering, fundamental of computers, management principles for engineers and social engineering are taught.

Projects are the integral part in the curriculum which makes the students to engage in the societal issues and offer solutions.

Apart from the curriculum, the institute organizes programs like interdisciplinary workshop, seminar and conferences in both national and international levels to exchange the ideas and knowledge and also to create an ambience to carry out the interdisciplinary research projects.

16.Academic bank of credits (ABC):

MKCE is an affiliated college of Anna University. MKCE has student academic ERP system in place where all student details including of the internal assessment details, attendance, continuous internal evaluation and examination related details are available. Thus as and when the University adopts the ABC, the College has all necessary infrastructure in place to implement it. Further the institute already offers elective courses for the choice of student which helps the student to opt so the institute can able to adapt to the multiple entry, exists and collaborations with other college, University.

17.Skill development:

To maintain the quality education and to continue the competency level, the institute offers skill development courses to the under graduate students. General aptitude, Professional skills and practices, Employability skills and practices, analytical and logical skills, competencies in social skills courses are the integral part of UG curriculum.

Students are also encouraged to take part in various contest organized by MNC's from the first year onwards which helps the students to understand industry expectations and prepare accordingly.

The Institute organizes various competitions like project expo, contest (codeathon, makethon etc..), workshops with industry collaboration for the students on a regular basis to encourage vocational education. Students are allowed to do their internship training and projects in industries. Academic credits are allocated for Industry and Foreign Certification courses in the curriculum. Beside that the institute has clubs and association and students are widely take part in the activities of clubs and association through that their leadership, personality and communicational skills are being developed.

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

Indian tradition and heritage and Indian Art Forms courses are offered to the students as non-credit mandatory courses to integrate the Indian knowledge system.

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

Outcome Based Education (OBE) and Bloom's Taxonomy-based evaluation processes are practiced in all programmes. All the courses designed with the course outcomes and it is mapped with

program outcomes. Frequently, training programs are arranged for the faculty members for the effective implementation of OBE in campus also faculty members are encouraged to take-up OBE related NPTEL courses. To ensure the process, the academic audit has been conducted in regular intervals.

20.Distance education/online education:

Employability courses like Japanese course and other foreign language courses are offered by the Institute both in physical and online mode. Students are encouraged to take-up online courses in the SWAYAM and coursera platform and appropriate credit has also been allocated. Students are allowed to participate in AICTE virtual internship.

Extended Profile

1.Programme

1.1	**15**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.Student

2.1	**3588**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2	**798**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.3	**3550**
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**433**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**298**
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3	**280**
Number of sanctioned posts for the year:	

4.Institution

4.1	**798**
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	

4.2	**97**
Total number of Classrooms and Seminar halls	

4.3	**1482**
Total number of computers on campus for academic purposes	

4.4	**2000.15**
Total expenditure, excluding salary, during the year (INR in Lakhs):	

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

To address the local, regional, national, and global needs, the institution has framed the vision and mission statement scientifically. The programmes offered by the department formulate the department vision and mission aligned with the institution vision and mission. To achieve the department's vision and mission, the programme follows the curriculum design process by considering the UGC and AICTE model curriculum, the structure of the Anna University curriculum.

During the curriculum design process, Department Advisory Board defines the Foundation courses, Professional Core, Professional Electives, Open Electives, Employability Enhancement, Online, Self-study and One Credit courses in the curricula to provide a strong theoretical foundation blended with practical engineering skills with an emphasis on Social/professional responsibility and Ethical/Environment and Sustainability related issues.

Following that, the course coordinators formulate the course outcomes (COs) for the courses and in line with the POs and PSOs. Curriculum, courses, COs of the courses, assessment tools to measure the COs and strength of the CO-PO, PSO mapping are also included in the design process. Effective implementation of outcome-based education ensures that our graduates will get the expected global attributes and PSOs. Further, every programme has 3-5 Program Educational Objectives (PEOs), that are measured through the performance of the alumni.

File Description	Documents
Upload additional information, if any	[View File](#)
Link for additional information	Nil

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

435

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

104

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Courses to address Gender:

The curriculum includes various courses that address gender. For example, the first-year B.E program includes the courses such as Physical & Mental Health using Yoga, NSS, Indian Tradition and Heritage, and Learning an Indian Art Form to improve the physical and Mental Health, to impart the importance of NSS, to learn about the importance of heritage, people, and community, giving rise to a sense of responsibility and citizenship, to develop critical thinking and the ability to interpret the culture around the learners respectively to address the gender-related issues.

Courses to address Environment and Sustainability:

The curriculum includes various courses to address Environment and sustainability. For example, B.E/B.Tech curriculum includes the course Environmental Science. Moreover, individual programs have included other courses to address Environment and Sustainability issues.

Courses to address Human Values and Professional Ethics:

UG programincludes courses like'Constitution of India' and 'Value Education' to gain knowledge about the Indian constitution framework with state functionality and provisions with an awareness of their positive energy and power. Also, the curriculum includes the courses 'Management Principles for Engineers', 'Self-Development and Entrepreneurship', 'Critical and Creative Thinking Skills' and 'Employability Skills and Practices'.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

18

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1474

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2407

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is	A. All 4 of the above

obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	https://mkce.ac.in/feedback.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following | **A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	https://mkce.ac.in/feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1077

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

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

1063

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 students' learning levels and organises special programmes for both slow and advanced learners.

Assessment on Learning Levels of Students is categorized in to Advanced and SlowLearners based on their performance. The Advanced Learners are directed to take part inOnline Course, MNC contests, technical events, file patents, prepare for higher studies, and also encouraged to take up Japanese proficiency exams by providing appropriatetraining in-house for all the levels. Many students made use of this opportunity andobtained Japanese proficiency certificate. Through this support the students to getinternational placement offers. The Slow Learners are supported with remedial classesand peer-learning. Parents meeting will be conducted to discuss their ward's performancetwice in a semester.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/05/2022	**3588**	**298**

File Description	Documents
Upload 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:

MKCE is with diverse, fully-engaged, learner-centric campus environment by adopting mission guidelines to enhance learning

experience to provide quality education to the students.To realize this MKCE follows experiential learning, participative learning and problem solving methodologies. Various experiential learning devised are Business Expo/Project Expo, Integrated Theory cum Lab Courses, One Credit Courses, Industry attachment program etc. Participative learning ensures the holistic development of students and facilitates life-long learning and knowledge management. The presentation day and minor projects facilitate them to exhibit their skills on every semester. Students are given a right blend of traditional and modern methods through assignments and quizzes at the end of each unit.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

MKCE has followed best Teaching Learning Process during the Pandemic Situation too through the usage of ICT enabled tools for effective teaching and learning. Comprehensive Autonomous Management System and ERP which is developed in house is utilized for monitoring the students' continuous learning. Google Meet and Microsoft Teams online platforms are used for conducting classes. After the approval of schedule from the concerned Head of the Department the schedule is informed to both the students and course handlers for effective conduction of classes. ICT Tools are utilized for both computing and circuit laboratory courses and the outcome is also visualized positively. Faculty members practiced Innovative Teaching Learning Pedagogy in the curriculum delivery. Technology Enabled Learning is used for ensuring Session Learning Outcome (SLO). To build holistic development of students learning, students are connected virtually with industrial experts. Class Advisors created an official group in Social Media for the effective communication with the students and faculty members during the pandemic situation. Faculty members developed videos and uploaded in YouTube for better course delivery

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://naaccr2.mkce.ac.in/2.3.2.3.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

190

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

MKCE develop Academic Calendar semester wise in accordance with university guidelines. The academic coordinator discusses with the Principal, Heads of the Departments and Controller of Examinations to prepare tentative academic calendar for the Institution. The tentative calendar is circulated to all the administrative faculty members for corrections and suggestions if any. Academic calendar includes all the academic activities like commencement of classes, course committee meeting, quality circle meetings, project reviews, club and association events, professional society activities, placement / skill training, presentation day, continuous internal assessment, mark statement submission, one credit/value added courses, department meeting, knowledge sharing session, parents meeting and faculty feedback collection. Apart from academic activities, the list of holidays and other events such as graduation day, sports day, college day, International/ National seminar/Conferences/ Workshops are also mentioned in the academic calendar. All the activities mentioned are carried out as per the academic calendar. Teaching Plans The faculty prepares a unit-wise teaching plan of the course content, which includes lecture hours, learning outcomes, and teaching mode that is duly approved by the HoD. This schedule is placed in the course file at

`the beginning of the semester to monitor the course coverage`

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	[View File](#)

2.4 - Teacher Profile and Quality

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

298

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	[View File](#)
List of the faculty members authenticated by the Head of HEI	[View File](#)
Any additional information	**No File Uploaded**

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

83

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	[View File](#)
Any additional information	[View File](#)

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

6

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	[View File](#)
Any additional information	[View File](#)

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

13

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	[View File](#)
Any additional information	[View File](#)

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

210

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	[View File](#)
Upload any additional information	**No File Uploaded**

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

MKCE develop Academic Calendar semester wise in accordance with university guidelines. The academic coordinator discusses with the Principal, Heads of the Departments and Controller of Examinations to prepare tentative academic calendar for the Institution. The tentative calendar is circulated to all the administrative faculty members for corrections and suggestions if any. Academic calendar includes all the academic activities like commencement of classes, course committee meeting, quality circle meetings, project reviews, club and association events, professional society activities, placement / skill training, presentation day, continuous internal assessment, mark statement submission, one credit/value added courses, department meeting, knowledge sharing session, parents meeting and faculty feedback collection. Apart from academic activities, the list of holidays and other events such as graduation day, sports day, college day, International/

National seminar/Conferences/ Workshops are also mentioned in the academic calendar. All the activities mentioned are carried out as per the academic calendar. Teaching Plans The faculty prepares a unit-wise teaching plan of the course content, which includes lecture hours, learning outcomes, and teaching mode that is duly approved by the HoD. This schedule is placed in the course file at the beginning of the semester to monitor the course coverage

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

2.6 - Student Performance and Learning Outcomes

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

The Institution Vision and Mission statements, the department Vision and Mission statements,Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme SpecificOutcomes (PSOs) and Course outcomes (Cos) are printed and displayed in all the Classrooms,Curriculum book, Course files, Lab manuals, Laboratories in the departments, Project Report(Minor and Major), Class rooms/ Laboratories, Office of the department, Department Noticeboards, Staff Rooms, BoS Meeting, College website, in the question papers, Email, Newsletter,Handouts, Brochure and also it is displayed in our college website,

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Assessments of COs are done for every course during the semester through direct andindirect assessments. The direct methods involve Continuous Internal Assessments and the EndSemester Examinations. The following criteria are considered for the direct assessment.For all the batches, the direct method was made based

on the Internal Tests and InternalAssessment activities such as assignments/project assignment/technical presentation/technicalquiz/any other activities related to respective CO. A specific target is fixed for all the COs of acourse. The course teachers have to assess the competencies gained by the each student throughdirect and indirect assessments throughout the semester. Once the student's competency has beenassessed for each CO, it is then mapped with the predefined POs and PSOs. In indirect methodwhile calculating the POs and PSO,s the parameters such as program exit survey, alumni survey,employer survey, co-curricular activities, extra-curricular activities are taken into account.

The calculation of final attainment, direct assessment method and indirect assessment method isconsidered for 80% and 20%weightages respectively. The process of content delivery continues if the attainment isobtained. In case of non-attainment, reasons are analyzed and the necessary changes areincorporated in content delivery and in assessments.

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

795

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

http://aqar22.mkce.ac.in/C2/2.7.1.1.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Research Facilities: ? The Institution ensures that research and academia go hand-in-hand for the holistic development of the students and research capacity building of the faculty members by updating the research facilities need based. ? All the departments are appended with modern research equipment to enable and promote research culture among the students and faculty members to take up research projects beyond the curriculum on regular basis. Research promotion: ? Well defined HR policy in place to promote research and to motivate the faculty members in taking up the research assignments. ? To create the research eco-system, the institution is providing the seed grant for the research projects for the needy faculty and Faculty members are motivated to pursue their Ph.D. ? Research incentive schemes and monitory benefits are provided to faculty members towards promoting research publications, funded research projects and Consultancy project works. ? Academic Year 2021-22, 320 research articles have been published by the faculty members in UGC recognized journals wherein most of the articles are Scopus and SCI indexed. ? Academic Year 2021-22, 211 articles have been published by the faculty members in the National, International conferences which includes Books, Chapters.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://mkce.ac.in/research_center.php
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

21.65313

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

40

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

17.873

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

8

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

37

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	https://mkce.ac.in/files/funding-agencies.pdf
Any additional information	[View File](#)

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The main objective of the R&D Cell, Intellectual Property Rights Cell and Ministry of Micro, Small & Medium Enterprises (MSME) – Incubation is ? To inculcate the research culture among the Students and faculty members by encouraging to acquire novel thinking, through R&D cell, faculty members have submitted many project proposals to various funding agencies like DST, MNRE, DBT, AICTE, TNSCST etc., ? To create an awareness about IPR for faculty members and students, to impart training on future endeavors regarding the patent filing processes. Through IPR cell workshop/training series have been conducted to create awareness among faculties and students. As an outcome, 68 patents have been published. ? To create and develop sustainable, encouraging entrepreneurship among students, alumni, and the society. During the year 2019, MKCE has been identified as a Host Institution (HI) as per the revised guidelines of the MSME under the scheme Support for Entrepreneur and Managerial Development of MSMEs through Incubators. Under the scheme, our students and local community people have submitted 47 start-up proposals. Among 47 start-up proposals, 2 Start-up idea have been sanctioned worth of Rs.17 Lakhs

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

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

89

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software	**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

26

File Description	Documents
URL to the research page on HEI website	https://mkce.ac.in/research_center.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

320

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

211

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

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

2210

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

25

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

10.79361

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

18.165

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

M.Kumarasamy College of Engineering, contributed to the public through theNational Service Scheme and Social Responsibility activities of the departments. CitizenConsumer club organized various events to create awareness about consumer rights and protection. Eco Club conducted the events related with friendly earth and sustainability.IEEE students branch distributed 100 solar lamps to the public. Individual departmentsalso have taken social responsibility and served to the public.Various events had been organized as an extension activities like Fund Donation,Food distribution to orphanage, Free Eye Camp to the public. For School children's, hand on training sessions and notebook distribution was also organized by the ComputerScience Engineering, Master of Computer Applications Department.Computer Science and Business Systems department students done the templecleaning work and supported for Karur Book Fair. Artificial Intelligence and DataScience, Mechanical Engineering departments were donated the funds to various homes. Blood donation camp also organized by the institution and received the awardNational Voluntary Blood Donation Day 2022. Also, institution received the SocialResponsibility award, People Choice Winner from Bhumi Campus Awards in theyear 2022. Institution has received the District Green Champion of Karur award in theyear 2021. Totally 41 extension activities had been organized by various departmentsthrough National Service Scheme.

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

4

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	**No File Uploaded**

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

41

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1663

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1301

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

11

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	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 equipments, etc.

MKCE spans over a sprawling 31.73 acres campus with a built-up area of 82,390 square meters. MKCE has 90 classrooms for UG and PG programs. All the classrooms are equipped with LCD projectors, Wi-Fi connectivity and a Green Board/Whiteboard. Two classrooms are facilitated with lecture capturing systems. Each floor on the academic blocks has notice boards, toilets for men, women and differently abled. Ramps are available at all academic and administrative buildings to facilitate differently abled persons. Lifts are also available at all academic buildings with more than 3 storeys. 6 Seminar halls are available to conduct various events such as seminars, conferences, guest lectures, cultural activities, etc. All the seminar halls are equipped with audio, projection facility, LAN, Wi-Fi Facility and sufficient power back with Generator and UPS. MKCE has 58 well-established laboratories for UG and PG students. In addition to MKCE has a TLC centre to improve the quality of teaching & learning process by enhancing ICT tools and laboratories through ICT skills. MKCE has 1 GBPS Internet bandwidth and over 152 Wi-Fi access points. In total, 1887 computer systems are available and out of which 1729 are exclusively earmarked for use by the students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://aqar22.mkce.ac.in/C4/4.1.1.2.pdf

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

The physical education department at MKCE provides healthy and diverse opportunities for the overall development of the student body. The college has an 8-acre play field, and the Vivekananda Hall, with a carpet area of 520 sq.m, serves as a cultural centre for events such as ORLIA, with a seating capacity of over 600. It provides an ideal setting for workshops, conferences, seminars, symposiums, guest lectures, and more. In addition to indoor games like table tennis, chess, and carrom, the college also has facilities for district-level tournaments. The outdoor sports arena features a non-standard 400-meter athletic track with floodlights, as well as a football field, handball court, and hockey field. The campus also has basketball, tennis, and volleyball courts for hosting state-level events, as well as ball badminton, cricket, handball, kabaddi, and kho-kho courts. The Student Development Cell (SDC) oversees 6 clubs, and the college has a well-equipped gymnasium, with a carpet area of 353 sq.m and various weightlifting, powerlifting, and smith machine matrix multi adjustable bench equipment. The Yoga Centre, with 265 sq.m and a capacity for 60 students, provides opportunities for students to practice yoga.

File Description	Documents
Geotagged pictures	[View File](#)
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

96

File Description	Documents
Upload any additional information	[View File](#)
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR

in Lakhs)

627.89

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

RFID Library Management System

The Institute Library uses Impress ERP software system with RFID scanning facility to keep track of issues and returns in a fool proof manner with Library Automation Package Software (LIPS I Net 6.0, Web OPAC & Multiple Web E-Gate) facility.

- **The RFID based Access Gate using 2CQR software.**
- **Self-Book-Issue Kiosks with "Touch Screen facility"**
- **Automated DropBox enables 24x7 to return books.**
- **Desktops installed with Impres OPAC facility.**

- **The Institute has a modernized video surveillance central library with 961.23 sq.m carpet area provides a pleasant atmosphere for scholarly reading with automated Gate entry, Book Issue and Return facilities with huge collection of academic books, journals, magazines, research projects, rare books, other knowledgeable books and newspapers.**
- **The library has 21,264 titles and 61,894 volumes of books with accommodation of 160 students per session.**
- **Remains open throughout the week from 8.30 A.M. to 7.30 P.M.**
- **The library has a subscription to the print version of 113 International journals, 94 national journals, 24 magazines, and 3,577 back volumes.**
- **Departments have separate libraries with around 7,000 books.**
- **Reprographic facilitated Digital library with 24 computers.**

Book Bank

SC/ST students can borrow books without renewal for a semester.

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	[View File](#)

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

29.57

File Description	Documents
Audited statements of accounts	[View File](#)
Any additional information	[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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

202

File Description	Documents
Upload details of library usage by teachers and students	[View File](#)
Any additional information	[View File](#)

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

MKCE maintains a well formularized IT policy for all its stake holders functioning under Academics, Research and Administration. The scope of the policy covers internet and network access, data storage and retrieval, maintaining login credentials, disaster management, power-backup, in-house software development, considering the safety and security of information. The IT policy covers all the IT infrastructure in Campus, Network and Security. This includes, 1 GBPS internet connectivity from BSNL, high speed internet connectivity with all administrative, academic blocks and hostels through fibre optic cables, wireless internet connectivity which are created through the devices installed in various classrooms, CCTV surveillance cameras that are installed across the campus to ensure the safety and security of inmates, Sophos XG 450 - XG45T2HIN , the data centre hosting five servers which act as a backbone of IT operations inside the campus, severs available in the campus for various purposes include ERP, Biometric, Accreditation and Ranking, COE office management. The college computer systems are equipped with an Uninterrupted Power Supply (UPS) with yearly AMC maintenance. The UPS capacity has been consistently upgraded, reaching 420 KVA in 2020. The Institute has QS I-GUAGE E-LEAD (E-Learning Excellence for Academic Digitization) platinum certification.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3600	1729

File Description	Documents
Upload any additional information	[View File](#)

4.3.3 - Bandwidth of internet connection in	A. ?50 Mbps

the Institution and the number of students on campus

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

4.3.4 - Institution has facilities for e-content development: **Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1049.74

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institute ensures optimal allocation and utilization of the available financial resources for the maintenance of different facilities by conducting regular meetings.

- **All Laboratories are maintained as per the 5S workplace**

management system and monitored by department 5S coordinators.

- The laboratories are well-equipped with sufficient manpower and other resources to provide students with hands-on experience in their field of study.

- A group comprised of department level coordinators and librarians oversees the library's general surveillance.
- Physical director is responsible for sports complex, equipment supervises staff assigned for ground, courts, indoor games, maintenance and repair works.

- Computer and other facilities are provided to all departments.

- The Manager is responsible of identifying and distributing manpower under designated supervisors, as well as allocating roles and responsibilities.
- Campus maintenance provides services, through preventative maintenance and break-down maintenance; it strives to maximize use of diverse resources on campus.
- The Institute powerhouse has 2 generators with a capacity of 500 KVA and 82.5 KVA.
- The institute has 3 biogas plants with a capacity of 100 cubic meters and maintained.
- The sewage treatment plant has a capacity of 1 lakh liters and inspected frequently.
- Six recharging pits are well-managed, refilled, and exploited for our institution's water needs.

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 freeships provided by the Government during the year

1143

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

322

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	**A. All of the above**

File Description	Documents
Link to Institutional website	https://mkce.ac.in
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

694

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	A. All of the above

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

693

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

5.2.2 - Number of outgoing students progressing to higher education

32

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

1

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

26

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Institute has constituted different areas to involve the students in academic and administrative activities.

Board of Studies: Students participate in the department Board of Studies meeting as a student representative, observe the

discussions held during the meeting, offer suggestions towards further strengthening the syllabus.

Quality Circle Meeting: Quality Circle Meeting is conducted in every department, focusing on enhancing the academic performance of the students. Atleast two student representatives from each section with student strength of sixty will participate.

Internal Quality Assurance Cell: Student members of IQAC offer suggestions and feedback about the various activities hosted in the institution.

Department Association: Every department of the institution holds a department association. Students play an important role in organizing technical Seminars, workshops, intra-meet, inter-meet and symposiums, etc., Students are the part of the editorial board of the department newsletters and magazines.

Anti- Ragging Committee: Students represent and engage in anti-ragging committee to ensure the ragging – free environment in the institution.

Professional Societies Student Chapters: Students represent and engage in professional societies student chapter activities. The various professional societies include ICI, CSI, IEEE Communication Society, IETE, IEEE, ISI, SAE. student chapters as Student Member for cocurricular activities.

Club Activities: Students represent and engage in club activities as student coordinators and volunteers to facilitate the club activities.

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

2

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association of the Institute has been registered under the Tamil Nadu Societies Registration with effect from 9th May 2005 onwards. Alumni Association strongly contributes to the growth of the institution through several means.

The training and placement division of the institute and alumni coordinator of the departments have frequent discussions with the Alumni which help to build a strong connection with the industry ready professionals. Senior Alumnus in reputed position in Top-Notch Industry is a member of Board of Studies of concerned department and the member of IQAC of the institution. Alumni members actively participate in various activities of the institution render their support constantly and join hands to promote significant development of the institution.

Few of the contribution include,

1. Curriculum framing, syllabus-content creation and revision.

2. Motivates the budding engineer to become a competent engineer by sharing his professional experience.

3. Technically enriches the students by offering lectures in the current technologies by quoting real time application projects.

4. Helps the students to get placed in MNC's by participating as HR and technical Interviewer in mock interviews organized by various departments, training and placement division of the college.

5. Participate in the IQAC meeting and review the annual progress of the institution on quality aspects.

03-08-2023 11:38:57

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

5.4.2 - Alumni's financial contribution during the year	**E. <2 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 an effective leadership in tune with the vision and mission of the Institution

Vision and the Mission of the MKCE has been to be an institution of excellence in higher education that continually responds to changing social realities through the development and application of knowledge. MKCE is recognized good amongst the various institutions in India with quality rankings such as ARIIA, QS I Gauge e-LEAD, Career 360 etc., Governance and management systems continually adopt emerging practices, technologies to accomplish the vision of the Institute.). E-Governance is implemented in all the activities of our Institute in terms of Administration, finance and accounts, planning and improvements, students support progressions and examination processes. Some of the renowned recognitions are listed below :- Rankings: Accreditations: ? NAAC II cycle (2016-2021) ? NBA for CSE (2021-2025) Clean and Smart Campus Rankings: ? QS-I-GAUGE Rating: Diamond | QS-I-GAUGE E-LEAD: Certified ? ARIIA ? Career 360

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

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The HEI has the practice of preparing a Well-defined Strategic Plan (Vision Plan)once in every ten years. Annual Strategic Perspective Plan is prepared by the Internal QualityAssurance Cell along with the feedback received from each section of the Stakeholders. The AQAR will be submitted based on the Annual Strategic Perspective Plan. The StrategicPerspective Plan (Vision Plan) comprises various objectives in Academic, Research andAdministration perceptive. The HEI follows a decentralization and Participative Management approach in decision making. MKCE has following statutory and non-statutory bodies foreffective leadership.

STATUTORY BODIES

- Governing Body
- Academic council
- Board of Studies
- Finance committe

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Perspective/Strategic plan is mostly focused to provide the continuous improvements in higher and technical education which helps to perform better in various aspects. The strategic plan is framed by assessing the stakeholder's expectations, students, professors, employers, government development needs of the region, etc., MKCE's strategic plan includes the following sub areas Academic Process Employability Industry Connect Self-Learning Research and Personality development. The Strategic plan envisages various benchmarks for Academics, Research, Outreach and Entrepreneurship. A Sample Case study on Research achievements is also submitted with this metric as proof of success.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://mkce.ac.in/files/strategic-plan.pdf
Upload any additional information	View File

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

The Organogram of the Institute comprises of the Trust Board from MKCE, Governing Council, Principal, Director and Heads of the Departments. The Secretary of the college is the Chairman of the Governing Council. The Principal is the administrative head of the institute; the responsibilities are equally shared by three in charges viz; Academic Coordinator, Placement and Training Officer and Research Head. The Heads of the Departments cooperate with the coordinator and the Principal along with their faculty members and staff for the day-to-day functioning of the college. MKCE has well defined policies for effective functioning of various Statutory and Non- statutory Bodies. MKCE has a well structured administrative setup starting from the head of the institution to the various sections of the institution. MKCE Service Rules and Appointments are in strict compliance of regulations as prescribed by statutory bodies from time to time

File Description	Documents
Paste link to Organogram on the institution webpage	https://aqar.mkce.ac.in/cr6/6.2.2.1-Organogram.pdf
Upload any additional information	View File
Paste link for additional Information	Nil

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The HEI has a well-defined policy for promotions and appraisal, derived out of the prescribed norms of UGC/AICTE. MKCE conducts annual appraisal for its faculty members. MKCE has devised various welfare measures for its faculty and staff such as Contribution for Public Provident Fund/Employees Provident Fund, group medical and accident insurance, Soft loan (without interest) to needy faculty members, free medical check-up and consultation, On-campus accommodation, free transport facility, Food with nominal charges Incentives for SCI/SCIE indexed journals etc., The appraisal process is made decentralized through the involvement HoDs of the department. The faculty submits their filled self appraisal application to the HoD. The HoD will verify the faculty contribution and forward his recommendation to the Principal.

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

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

171

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

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

7

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

150

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Institute has qualified Chartered Accountants and Audit Team to supervise the internal audits and to ensure that all the procedures and guidelines set by the management are strictly adhered to in the transactions. Chartered Accountants carry out the procedural transaction and compliance audit and submit their reports to the management team with their comments, observations

and informing the corrective measures that need to be taken, to ensure proper compliance as per their observations. Internal audit and External audit are conducted twice and once in a year respectively. The External and Internal Auditors' reports are reviewed by the management and forwarded to the respective internal auditors to bring-in desired improvements in the areas highlighted by them.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

1.42212 lakhs

File Description	Documents
Annual statements of accounts	[View File](#)
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	[View File](#)
Any additional information	[View File](#)

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Institute has qualified Chartered Accountants and Audit Team to supervise the internal audits and to ensure that all the procedures and guidelines set by the management are strictly adhered to in the transactions. Chartered Accountants carry out the procedural transaction and compliance audit and submit their reports to the management team with their comments, observations and informing the corrective measures that need to be taken, to ensure proper compliance as per their observations. Internal audit and External audit are conducted twice and once in a year respectively. The External and Internal Auditors' reports are reviewed by the management and forwarded to the respective internal auditors to bring-in desired improvements in the areas highlighted by them.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The primary goal of the IQAC is to ensure the quality of the institution's overall performance. IQAC has contributed significantly to kick off, plan and control various activities that are essential to improve the quality of Teaching and Learning process. Our objectives are to develop a quality system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the College.

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of

operation and learning outcomes at periodic intervals through its IQAC as per norms

The Institution IQAC forms various sub-committees and conducts regular audits with the help of both internal and external members from the other reputed institutions to make sure that teaching learning process has continuous improvements leading to the attainment of learning outcomes.

Audit Process:

1. Academic Audit It is according to the discussions of the faculty members, stakeholders and peer reviewers which focuses on a common goal: to improve the quality processes in teaching and learning and thereby enhancing the student success. Faculty members reflect on how they organize their work and how they use data to make decisions and deliver their lectures. The Academic Audit model involves a review process by Academic Auditor Team. This team reviews a program's self- study report, conducts a site visit, and writes its own report that includes commendations, affirmations and recommendations for continued improvement. The audit is conducted every semester to review the progress.

2. Appraisal Audit The performance appraisal is to measure the success factor and to motivate the faculty members to take up various assignments apart from the regular teaching assignments such as continual learning by the faculty members and research & consultancy

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://aqar22.mkce.ac.in/c6/6.5.1.3.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

MKCE always ensures the fair treatment for both the genders in all the areas and also makes sure of gender equity in all the activities conducted inside the campus and. Currently, the percentage of male and female students is 69 and 31, and male and female faculty members are 57 and 43. In order to promote gender equity, many events and awareness programs have been conducted for both the students and the faculty members.

The following are the facilities provided in terms of

a)Safety and Security:

- 480 Surveillance Cameras are installed in the campus.
- Grievance Redressal Cell is functioning to prevent female students and faculty members from sexual harassment.
- Anti-ragging committee ensures that students are not indulging in any ragging activities inside the campus.
- Women Empowerment Cell is functioning for the welfare and the empowerment of girl students.

b)Counselling:

- Faculty member inside the campus is allotted as mentors for every15 to 20 students and they guide them in both academic and personal life.
- Quality circle meetings are conducted periodically to address students' grievances.

c) Common Room:

Institution has well ventilated common room for boys and girls near the washroom .

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.mkce.ac.in/naac-7.1.1.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	[View File](#)

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid Waste Management

Solid wastes are collected regularly in garbage bins. Biodegradable wastes including organic wastes from kitchen, human excreta and other wastes are sent to three biogas plants. Plastic bags are strictly banned and combustible wastes are decomposed into bio-manures.

Liquid Waste Management

MKCE has installed STP to treat the waste water. The treated water is sent to the storage tank (100 cubic meters). And the recycled water is used for gardening and irrigation purposes.

E-Waste Management

Discarded electrical and electronic devices or parts are collected and outsourced to an external agency called Sri Guru Steels (scrap dealer). Reusable components are repaired and sent back to the

departments.

Waste recycling system:

In order to maintain the campus clean and green,the institute has adopted many waste recycling systems. Solid wastes like human excreta and other compostable wastes are sent to generate biogas and the Liquid waste is treated through STP and the treated water is used for gardening. Non Compostable wastes are sold to Scrap Buyers.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,	A. Any 4 or all of the above

reader, scribe, soft copies of reading materials, screen reading, etc.	

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

Promoting inclusive environment inside the campus has shown positive feelings among the students towards our Institution and also helped them learn important life skills including empathy ,compassion for others etc, MKCE always ensures to provide inclusive environment and during the academic year 2021-2022, many events and festivals like Pongal, Onam, Ayuthapooja, etc., were celebrated in our institution for the students who have come from different regions, cultures and also from different socioeconomic backgrounds. All the students involved themselves actively in those events as student co-ordinators, volunteers and also as participants.

PONGAL, ONAM celebrations helped to unite different cultured people and maintain harmony inside the campus. Added to that, AYUTHAPOOJA/SARASWATHI POOJA was also celebrated in all the departments by worshipping Goddess Saraswati along with the books and other educational tools. All the students and faculty members irrespective of their religion, state, culture etc took part in the celebrations. During Pongal and Onam, various competitions like Rangoli were also conducted in order to maintain tolerance and harmony towards inclusive environment. Thus the students feel safe and comfortable in being themselves and expressing all aspects of their identities.

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

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

Every year various events and awareness programs are conducted through NSS, YRC and also through various students club which makes the students socially responsible citizens. Through those programs, values for being a responsible citizen are inculcated to the students.

During the year 2021- 2022, Our College conducted blood donation camp through NSS unit and many students donated blood to save the lives of needy. Many awareness programs like Road safety awareness, AIDS awareness programs etc., were conducted. Through the above programs, students volunteered themselves and created awareness among all.

Our college also celebrated many important days like NSS Day, World Heart Day, Independence Day, Republic day etc.., by highlighting the importance of those days among the young generation. Our college NSS Volunteers provided food to the orphanages and also helped the karur RTO in Helmet survey. Added to that, Our college donated 100 Solar diya lamps to rural people. Energy conservation week was also celebrated on 8th and 9th December 2021 by organizing various events. Thus, all the above activities helped the students to perform their duties properly at the right time in the right place and learn different social values which in turn make them a socially responsible citizen.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts	**A. All of the above**

periodic sensitization 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 Annual awareness programmes on the 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 programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

The following are the national and international commemorative days and festivals organized in MKCE during the year 2020- 2021:

Independence Day and Republic day:

Independence Day and Republic Day were celebrated with pride and patriotism by hoisting our national flag in our college. Our college chairman hoisted our national flag in the presence of our College Secretary, trustee, Executive director, Principal, Heads and Faculty members.

International Women's Day:

International women's day was celebrated through google meet on March 8th by inviting Ms.Varshasaran, CEO of Varsha & co and Dr.Swajanya, Dental surgeon as chief guests. They created awareness on women's empowerment through their eminent speech.

Honouring famous personalities:

Students and faculty members of MKCE honoured and remembered of

Dr.APJ.AbdulKalam on his death anniversary. On Kamarajar's birthday and Swami vivekananda's birthday , all offered floral tribute to their portraits and remembered their contributions.

Festivals:

MKCE celebrated Pongal, Onam, Ayuthapooja festivals inside the college premises with all the students and faculty members irrespective of their state, religion, culture, etc. Various traditional events like Rangoli etc were also conducted for the students in order to promote our cultural values.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BEST PRACTICE-I :

Nowadays, students are not highly exposed to do research which plays an important role in enriching their knowledge in a Particular field. So, equipping students' research skills has become mandatory. Initially, Students are given inputs on how to do research and present it as a paper. Then, the Students are categorized into team based on their areas of interest. Faculty members facilitate the student in presenting their innovative ideas as a paper and publish it in a journal. The Evidence of this practice is that the Students got exposed to new ideas and have published more than 200 papers with their faculty guide on various topics in different peer reviewed journals

Best practice –II :

Being innovative helps to improve creativity and problem solving skills. So, students have to come forward with new ideas by exploring new options in the Engineering field. At the beginning

stage, Students as a group are motivated to come up with new creative ideas and out of which the best idea is chosen for further process. Under the guidance of the faculty members, students convert their ideas into a product. As a result, 6 Start ups have been flourished in different departments.

File Description	Documents
Best practices in the Institutional website	http://aqar22.mkce.ac.in/c7/7.2.pdf
Any other relevant information	http://aqar22.mkce.ac.in/c7/7.2.1.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

MKCE is one of the leading educational institutions in karur, which provides a better learning environment to the students. Its primary focus is on making the students exposed to different learning platforms and enhancing their skills on recent technologies.

Our college is an institutional member of Eduskills foundation. Edu skills and MKCE have decided to work together to expand digital skills through higher education system by offering world class technical programs in Net

working, RPA, industry 4.0 skills etc to the colleges. Under this, Students take up internships and training programs in the above domains offered by Eduskills along with AICTE and Ministry of Education.

NASSCOM & MeitY, Govt of India has jointly initiated FutureSkills Prime, India's Technology Skilling Hub, to enable digital skilling of the young generation. With NASSCOM Certifications endorsing their technology skills, learners can open doorways to digital career opportunities. Students are motivated to take up courses offered by

NASSCOMM future skills prime along with MeitY. Through this, the students improve their digital fluency. More than 6000 courses have been completed by our students.

Thus, these learning platforms offer a wealth of opportunities and

experiences early in students career and make our institution stand distinctive among all.

File Description	Documents
Appropriate link in the institutional website	http://aqar22.mkce.ac.in/c7/7.3.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

M.Kumarasamy College of Engineering , being located at a rural area, offers a better learning environment at all times to the students which helps them to improve their technical knowledge and employability skills. Added to that,MKCE is also very keen in providing various learning platforms and trainings to the students in order to meet out the expectations of the industries. Thus, It makes MKCE stand distinctive always.

Institute plan of action for the next academic year :

1. Providing inventive learning opportunities for the students to equip their employability and entrepreneurial skills .

2.Make the students explore new ideas and excel in their profession as an entrepreneur or as an employee .