



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		M.KUMARASAMY COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr .N.Ramesh Babu
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04324270755
Mobile no.		9865230477
Registered Email		principal@mkce.ac.in
Alternate Email		director@mkce.ac.in
Address		Thalavapalayam, Karur
City/Town		Karur
State/UT		Tamil Nadu
Pincode		639113
2. Institutional Status		

Autonomous Status (Provide date of Conformant of Autonomous Status)	20-Jul-2011
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr.R.Karthikeyan
Phone no/Alternate Phone no.	04324272155
Mobile no.	9443286336
Registered Email	iqac@mkce.ac.in
Alternate Email	karthikeyanr.eee@mkce.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.mkce.ac.in/ktgadmin/assets/php/pdf/1545984615.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://mkce.ac.in/ktgadmin/assets/php/pdf/20192020.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B	2.66	2016	25-May-2016	24-May-2021

6. Date of Establishment of IQAC	09-Jul-2014
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Outcome Based Education	18-Jul-2018	45

	03.00	
NBA internal Audit	21-Jul-2018 12.00	130
IQAC Audit Review Meeting	07-Sep-2018 01.00	14
NBA Internal Audit	01-Dec-2018 12.00	130
NBA Peer Team Visit	14-Dec-2018 36.00	230
IQAC Audit Review Meeting	27-Dec-2018 01.00	14
IQAC Audit Review Meeting	18-Mar-2019 01.00	14
IQAC Audit Review Meeting	22-Jun-2019 01.00	14
Ranking and Accreditation	02-Feb-2019 12.00	148
ISO Internal Audit	27-Jun-2018 24.00	230
ISO Internal Audit	28-Aug-2018 24.00	230
ISO Internal Audit	11-Oct-2018 24.00	230
ISO Internal Audit	20-Dec-2018 12.00	230
ISO External Audit (Surveillance Audit)	28-Dec-2018 12.00	230
Participation in NIRF	04-Dec-2018 12.00	20
All India Survey for Higher Education Institutions	10-Jan-2019 12.00	20
Performance Review Meeting	19-Jun-2019 12.00	230
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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
M.Kumarasamy College of Engineering	NA	UGC	2019 0	0
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9. Whether composition of IQAC as per latest

Yes

NAAC guidelines:	
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	1
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
? One to one meeting with faculty members for performance improvement and academic achievement ? Organized an awareness program on "Ranking and Accreditation" in 04 February, 2019. ? Periodic meeting with stake holders discuss the performance and future plan of improvement. ? Strengthening the student's activities in academic and nonacademic ? Automation of Outcome Based Education (OBE) process is implemented to reduce attainment calculation and outcome.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year
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Plan of Action	Achievements/Outcomes
The IQAC cell at MKCE has created a quality and strategic roadmap which acts as a guiding framework for all executive plans and policy decision at MKCE.	? Three academic departments received permanent affiliation from Anna University, Chennai. ? Received approval from AICTE to start B.E., program in Computer Science and Business System from 20192020 onwards. ? Data Quest magazine ranked MKCE in Top 100 TSchools in the country. ? Higher Education Review ranked MKCE in 30th rank among the Top private Engineering Colleges in India and 3rd position in the south zone. ? Silicon India ranked MKCE 9th in A category in this we got 8th academic excellence, 10th in industry interface, 8th in infrastructure and 9th in south zone. ? The week magazine ranked MKCE in 95th in the Top ranked National level private Engineering Colleges and 65th

at the zonal level Top private Engineering College in South India. ? Competition Success Review ranked MKCE in 11th in Tamilnadu and 29th position in Top Engineering College in Eminence. ? India Today ranked MKCE in one among the top 165 Colleges in India. ? Career Connect rated MKCE in (4Star) for the best performance Colleges in India. ? Career 360 rated MKVE in AAA among the Engineering Colleges in Tamilnadu. ? The Education Post selected MKCE in one of premier Institution - IIRF 2018. ? Chronicle rated MKCE in best Bschooll in 3rd south India rank, 4th in infrastructure and 5th in admission process. ? Our college has been awarded with Excellence in Education 2019 by CSR. ? 25KVA solar planet commissioned at MKCE in main block to promote the use of Renewable Energy in the campus. ? ELearning (Enhanced Learning) method has been introduced for all class room such as Technology Enabled Learning and Interactive classroom Techniques.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Management Review Meeting	21-Dec-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

14-Dec-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

10-Jan-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

If yes, give a brief description and a list of modules currently operational
The institution uses a CAMS system to

manage the day to day activities. Like as Students attendance marking, The various MIS employed by the College are as follows

CAMS - Comprehensive Autonomous Management System

1. Daily Students Attendance
2. Question Bank
3. Internal Exam mark
4. Practical Mark Entry
5. End Semester mark
6. Internal Mark Calculation
7. Question wise feedback
8. HOD Administration
9. Lesson Plan execution
10. Event Management System
11. Kaizen management
12. IQAC Closing form
13. Students Feedback management system
14. Faculty Expenses Claim
15. Event Management
16. Faculty Soft loan Application
17. VGA Application
18. Non Academic Complaint Registration

TEL - Technology Enabled Learning

1. Learning Practice Assessment
2. Learning Practice Submission
3. Individual Student Report
4. Unit Reports

Crystal HR - Employee Management System

1. EIP - Employee Information Portal
2. OLMS - On Leave Management System
3. Faculty Attendance management
4. Faculty Profile

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	CE	Civil Engineering	26/03/2018
BE	CS	Computer Science and Engineering	26/02/2018
BE	EC	Electronics and Communication Engineering	24/03/2018
BE	ME	Mechanical Engineering	06/02/2018
BE	EE	Electrical and Electronics Engineering	14/03/2018
BE	EI	Electronics and Instrumentation Engineering	10/03/2018
BTech	IT	Information Technology	09/03/2018
ME	MCS	Computer Science and Engineering	26/02/2018
ME	MCM	Communication	24/03/2018

		Systems	
ME	MPS	Power Systems Engineering	14/03/2018
ME	MME	Manufacturing Engineering	06/02/2018
ME	MVL	VLSI Design	24/03/2018
MBA	MBA	Master of Business Administration	10/02/2018
MCA	MCA	Master of Computer Applications	26/02/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Civil Engineering	25/03/2018	18CEOC01J Building Planning and Vaasthu	25/03/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	CE/Metro System and Engineering	25/03/2019
BE	EE/ Analog Electronics	19/06/2019
BE	EE/ Analog Electronics Laboratory	19/06/2019
BE	EE/Minor Project - I	19/06/2019
BE	EE/ Competencies in Social Skills	19/06/2019
BE	EE/ Statistics and Numerical Methods	19/06/2019
BE	EE/ Power Electronics and Converters	19/06/2019
BE	EE/ Minor Project - II	19/06/2019
BE	EE/ Critical and Creative Thinking Skills	19/06/2019
BE	EE/ Indian Tradition and Heritage	19/06/2019
BE	ME/Minor Project I	09/03/2019
BE	ME/Competencies in social skills	09/03/2019
BE	ME/Minor Project II	09/03/2019
BE	ME/Critical and Creative	09/03/2019

	Thinking skills	
BE	ME/Minor Project III	09/03/2019
BE	ME/Industrial Training	09/03/2019
BE	ME/Analytical and Logical Thinking skills	09/03/2019
BE	ME/Management Principles for Engineers	09/03/2019
BE	ME/Automation and Industry 4.0	09/03/2019
BE	ME/Minor Project IV	09/03/2019
BE	ME/Employability skills and Practices	09/03/2019
BE	ME/Self-development and Entrepreneurship	09/03/2019
BE	ME/Social Engineering	09/03/2019
BE	ME/Internship	09/03/2019
BE	EI/Machine Learning and Data Analytics	23/03/2019
BE	EI/Fault Detection and Diagnosis	23/03/2019
BE	EI/Non Destructive Testing	23/03/2019
BE	CE /Construction Engineering and Management	25/03/2019
BE	CE/GIS applications for Civil Engineering	25/03/2019
BE	CE/Sustainable Construction Methods	25/03/2019
BE	CE/Construction Equipment and Automation	25/03/2019
BE	CE/Quality Control and Assurance in Construction	25/03/2019
BE	CE/Project Safety Management	25/03/2019
BE	CE/Solid and Hazardous Wastes Management	25/03/2019
BE	CE/Air and Noise Pollution and Control	25/03/2019
BE	CE/Industrial Wastes Management	25/03/2019
BE	EI/Minor Project	23/03/2019
BE	EI/Non Linear Control Systems	23/03/2019
BE	EC/ Partial Differential equation and Linear Algebra	29/03/2019

BE	EC/Competencies in Social Skills	29/03/2019
BE	EC/ Environment Science	29/03/2019
BE	EC/ Minor Project -II	29/03/2019
BE	EC/ Analog Integrated circuits	29/03/2019
BE	EC/ Minor Project -II	29/03/2019
BE	EC/Critical and Creative thinking Skills	29/03/2019
BE	EC/ Indian Tradition and Heritage	29/03/2019
BE	EC/ Minor Project -III	29/03/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Information Technology	20/06/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Refresher Course	28/08/2018	28
Advanced Total Station for Civil Engineering	02/01/2019	120
RPA Tool Training	10/09/2018	45
High power Audio Amplifier, Transformer and Fan Coil	11/05/2019	112
Agriculture for Engineers	26/02/2018	73
Computational Fluid Dynamics	11/07/2018	60
Computational Fluid Dynamics	23/07/2018	60
Certified Solid works Associates(CSWA)	29/10/2018	130
Automation Anywhere	11/09/2018	60
Experimental Teaching and Learning in LabVIEW	28/11/2018	28
PHP and MYSQL	30/05/2019	79
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	36

BE	Computer Science and Engineering	52
BE	Electronics and Communication Engineering	45
BE	Electrical and Electronics Engineering	54
BE	Electronics and Instrumentation Engineering	26
BE	Mechanical Engineering	235
BTech	Information Technology	13
MBA	Master of Business Administration	57
MCA	Master of Computer Applications	5
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>The college encourages feedback from all stakeholders like as the students, faculty members, nonteaching staff, parents, alumni and recruiters. The feedback is taken at various levels, Institutional level and Departmental level. The modes of collection of feedback are both manual and online. In off line, the feedback is collected from various stakeholders other than students. Separate template is being used for each stakeholder to collect feedback. Consolidated report is submitted to the Head of the Department and Principal. Based on the feedback, Heads may do the planning to achieve observations which are received from stakeholders. Class Committee Meeting System: ? Class committee is constituted with the composition comprise the members of subject handling staff, Class advisor and the class students ? Class committee meeting is conducted twice in a semester before the conduction of Mid Semester I and Mid Semester II Examinations ? Class committee is constituted to assess and to monitor the class as a whole and to enable students to provide feedback regarding the teachinglearning process, internal assessments, covering of the syllabus, difficult areas of learning, infrastructure, attendance, co / extracurricular activities, student support services, mentoring, special help needed, etc.. ? Structured feedback is collected from the students on the performance of the faculty members in the handling the subjects Faculty oriented Student Feedback for courses and feedback Analysis Sample format for faculty oriented student feedback for both theory and practical courses and its feedback analysis are enclosed. An online feedback system is available to obtain the private response of students regarding the above said elements. ?</p>

Feedback is collected from all of students ? Feedbacks collected from the students are analyzed by HOD. Corrective measures are initiated with the approval of Principal ? Contents of the feedback will be shared with each faculty member individually. The feedback system works as an eye opener for the faculty members ? Course Outcome Survey is also conducted among students to know their level in the corresponding subject ? The students of each class are guided to the Central Computing Facility as per a preplanned schedule. The students are given fifteen questions concerning the faculty who is dealing with theory papers and laboratories. ? The questionnaire about faculties Punctuality, regularity, pace of coverage syllabus, clarity in classroom delivery, quality of internal assessment, class control etc., are the various parameters included in the student feedback form. Using a computer program the score of each faculty is computed and shall be forwarded to the HOD. ? The feedbacks are analyzed by the Head of the Department and forwarded to the Principal. ? The contents of the feedback will be shared with each faculty member individually. The feedback system works as an eye opener for the faculty. ? The faculties are allowed to explain about the student's feedback and also to list out the corrective measures that will be implemented in further classes. ? The feedbacks are collected after the conduct Mid Semester I and Mid Semester II examinations.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science and Engineering	120	136	115
BE	Electronics and Communication Engineering	240	216	196
BE	Mechanical Engineering	240	169	152
BE	Electrical and Electronics Engineering	180	77	63
BE	Electronics and Instrumentation Engineering	60	34	23
BE	Civil Engineering	120	29	21
BTech	Information technology	120	127	105
ME	Computer Science and Engineering	18	7	4
ME	Communication Engineering	18	10	6
ME	VLSI Design	18	8	5
ME	Power Systems Engineering	18	10	6

ME	Manufacturing Engineering	18	6	3
MBA	Master of Business Administration	60	71	60
MCA	Master of Computer Application	60	35	28
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3715	242	280	46	46

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
187	134	134	73	73	73

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

An effective mentoring system has been followed in our college to enhance the student's performance. It is rigorously implemented to guarantee that the students do extremely well in academic, co-curricular as well as extracurricular activities. The system helps us to discover the strength, mindset of the students to plan for further mentoring. The student mentoring system is also implemented through Weak students and Alumni mentors. Faculty mentors are assigned Eighteen to Nineteen students. The mentor is responsible for a complete track of student's activities like Professional guidance, career advancement, coursework specific and laboratory specific as well as all-round development. The Strength and weakness of the students are identified. Mentoring helps students to get over their difficulties with their studies and their personal problems. All students are periodically counseled by Mentors. Any personal difficulties of the student will also be discussed and the student will be directed to professional counselors, if required. The parents shall always be informed regarding the progress as well as problems, if any, of the students. Faculty mentors and subject Faculty give special attention to weak students. Weak students are identified from internal test analysis. The special night study schedules are prepared for hostlers. The evening coaching class schedules are prepared for days scholars after college hours. The improvement of the students is periodically reviewed by HoD. Placement Mentoring: The placement mentoring also performed in our college. During third year the students are categorized as opting and nonopting for placement. Opted students are separated and gave special training like technical and nontechnical training. In the technical side, they completed various value added courses and got merit certificates. They also practice both online and off line tests and improve their knowledge. In the nontechnical side, they attended various courses like mock interview, soft skill training and logical reasoning test. The performance of the opted Students is periodically reviewed by placement coordinator and HOD. In addition to this mentoring system, the class advisor monitors the progress of the students and whenever there are learning gaps, they are brought to the notice of the subject teacher and HOD who in turn take sufficient measures to improve the learning performance by way of offering extra coaching and supervision. The class advisor reports academic performance of the student to parents through letter. The class advisor reports to the parents if there are academic aberrations or deviations on the part of a particular student, so that both the teacher and the parents can give proper counseling to the student in the college. The academic counseling builds the self

confidence of the learner. The principal, the Dean, HoDs and staff members regularly encourage and counsel the students to improve their academic pursuits.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3957	326	13:1

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
326	263	63	63	37

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Mr.S.Ramkumar	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.R.Dinesh Kumar	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.G.Balaji	Assistant Professor	NPTEL online certificate ELITE
2018	Ms.K.S.Gayathri	Assistant Professor	Top 1 NPTEL online certificate ELITEGOLD
2018	Mrs.S.Rubini	Assistant Professor	NPTEL online certificate ELITE
2018	Mrs.C.S.Suganya	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.R.Vetturayasudhasanan	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.R.Dinesh Kumar	Assistant Professor	TNSCTC project fund
2018	Dr.C.Ramesh	Professor	NPTEL online certificate ELITE
2018	Mrs.S.Padmavathy	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.L.Ragunath	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.A.Naveenraj	Assistant Professor	NPTEL online certificate ELITE
2018	Dr.R.Kamalakannan	Professor	NPTEL online certificate ELITE
2018	Mr. T.Nithyanandam	Assistant Professor	NPTEL online certificate ELITE
2018	Dr.C.Manickam	Professor	NPTEL online certificate ELITE

2018	Mr.K.Sudhakar	Assistant Professor	NPTEL Online Course (EliteGold)
2018	Mr.S.Pradeep	Assistant Professor	NPTEL Online Course (EliteGold)
2018	Mr.K.Sheik Davood	Assistant Professor	NPTEL Online Course (EliteGold)
2018	Mr.E.Dinesh	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.M.Manikandan	Assistant Professor	NPTEL online certificate ELITE
2018	Dr.A.Sridevi	Associate Professor	NPTEL online certificate ELITE
2018	Mr.L.Ramesh	Assistant Professor	NPTEL online certificate ELITE
2018	Ms.R.Abinaya	Assistant Professor	NPTEL online certificate ELITE
2018	Mr.M.Gunasekar	Assistant Professor	NPTEL online certificate ELITE
2019	Mr.E.Balraj	Assistant Professor	NPTEL online certificate ELITE
2018	Ms.D.Sharmila	Assistant Professor	NPTEL online certificate ELITE
2019	Mrs.S.Kanimozhi	Assistant Professor	NPTEL online certificate ELITEGold and Silver
2019	Dr.V.Durgadevi	Associate Professor	NPTEL online certificate ELITESilver
2018	Mrs.C.Thilagavathi	Assistant Professor	NPTEL online certificate ELITE
2018	Dr.S.Thilagamani	Professor	Excellence Teaching in Higher Education in Arunai International Research Foundation
2018	Dr.K.Jeyalakshmi	Assistant Professor	Best paper presentation award/ international conference
2018	Dr.K.Vijayakumar	Associate Professor	Best reviewer/ International journal of chemical biology and drug design
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CE,CS, EC,EE,EI	1,3,5,7/1,2,3,4	07/01/2019	09/02/2019
View File				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.mkce.ac.in/departments.php?id=8>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CE	BE	Civil Engineering	121	120	99.17
CS	BE	Computer Science and Engineering	116	116	100
EC	BE	Electronics and Communication Engineering	233	211	90.56
EE	BE	Electrical and Electronics Engineering	173	172	99.42
EI	BE	Electronics and Instrumentation Engineering	57	54	94.74
ME	BE	Mechanical Engineering	267	256	95.88
IT	BTech	Information technology	55	55	100
MCS	ME	Computer Science and Engineering	13	13	100
MVL	ME	VLSI Design	9	9	100
MPS	ME	Power Systems	4	4	100

		Engineering			
MME	ME	Manufacturing Engineering	7	7	100
MCA	MCA	Master of Computer Application	38	38	100
MBA	MBA	Master of Business Administration	57	56	98.25
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.mkce.ac.in/survey/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.R.Karthikeyan
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.S.Thilagamani	Excellence Teaching in Higher Education	13/02/2018	Arunai International Research Foundation
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Interdisciplinary Projects	12	UBAS	50000	50000
Students Research Projects (Other	12	TNSCST	7500	7500

than compulsory by the University)				
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Students Research Projects (Other than compulsory by the University)	12	TNSCST	7500	7500
Any Other (Specify)	1	TNSCST	15000	15000
View File				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

2

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
0	0	30/05/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Record for world longest hybrid bike	K.Gokul	Asia book of Records and India book of records	22/08/2018	Student
TECH EXPO 2018	S.Karthikeyan S.Umashankar S.Karthikeyan	IIT GUWAHATI, ASSAM	02/09/2018	Student
SMART INDIA HACKATHON GRAND FINALE 2019	S.Karthikeyan S.Umashankar S.Karthikeyan	Lovely Professional university, PUNJAB	03/03/2019	Student
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
0	0	0	0	0	30/05/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1
Electronics and Communication Engineering	2
Mechanical Engineering	1
Information Technology	2

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	11	5.70
National	Electronics and Communication Engineering	30	3.94
International	Electronics and Communication Engineering	50	1.93
International	Mechanical Engineering	16	0.5
International	Electrical and Electronics Engineering	26	4.23
National	Information Technology	21	0

International	Civil Engineering	3	0
National	Electronics and Instrumentation Engineering	7	4.12
International	Electronics and Instrumentation Engineering	1	0
International	Science and Humanities	18	0
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	2
Electronics and Communication Engineering	1
Mechanical Engineering	1
Science and Humanities	1
Electrical and Electronics Engineering	1
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Horizontal Axis cam guided, telescopic blade, yaw controlled wind mill	Published	1841033956	28/09/2018
Turmeric Leaves Cutter	Published	1741032703	22/03/2019
Mechanical Drainage Cleaning Machine	Published	1741032704	22/03/2019
Accident Prevention System Based On The Speed Of The Vehicles	Published	1741032709	22/03/2019
Peticeal Swathe Contrivance	Published	1741032706	22/03/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Fuzzy Integrated Bayesian D	Dr.V.Durga devi	Information Sciences	2019	2	SCI	2

umpsterShafer Theory to defend cross layer hete rogeneity attacks in Communicat ion Network of Smart Grid.						
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Effects of nanocopper additive on performance, combustion and emission characteristics of Calophyllum inophyllum biodiesel in CI engine	Tamilvanan , A., Balamurugan, K., Vijayakumar, M.	Journal of Thermal Analysis and Calorimetry	2019	0	7	SCI

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Resource persons	3	5	7	4
Attended/Seminars/Workshops	0	206	26	22
Presented papers	66	25	0	16

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Electrical and Electronics Engineering	IOT based single phase energy meter with its	IOTIOS Technology	15000

calibration

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	0	0	0
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awareness program	NSS	2	45
Blood donation Camp	NSS	5	70
Job fair	Training and Placement	150	2015
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
National Conference, 15th March 2019	Best Paper Award	PSNA College of Engineering and Technology, Dindugal	1
Tree plantation and Awareness program for relief from drugs and liquors. Road Safety	Certificate received	Govt of India	26
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
EYantra, Coimbatore	IIT Bombay	Project Contest	1	4
GRLYCHEE Design contest, Bangalore	Renesas Electronics India Pvt. Ltd., Bangalore	Project Contest	1	3
Clean India	Indian Government	Tree plantation and Awareness program for	1	26

		relief from drugs and liquors. Road Safety		
Swachh Bharat	Government of India	Swachh Bharath summer internship	5	25
Awareness Programme	NSS unit	Plastics awareness Program	3	20
Village adopting	NSS unit	Village adopting	4	50
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Design and metrology in industry	108	Student	2
Manufacturing process and lean manufacturing	110	Student	4
Lean manufacturing	51	Student	5
Geometrical dimensioning and tolerance	52	Student	2
5S , kaizen and lean manufacturing	110	Student	2
Internship	1	Photon Infotech. with stipend of 42500 per month	270
Student exchange	41	Student	4
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Apprentice Trainee	Bull Machines Pvt Ltd, S.F.No: 5/1A, LT ByPass junction, Coimbatore : Ph.No:042265	04/09/2018	01/02/2019	10

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Texas Instruments EdGate Technologies Pvt Ltd	27/06/2018	Student Training, Contest, Internship	45

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
49	43

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
IMPRES ERP	Fully	6.0	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	57138	18444732	336	78816	57474	18523548
Reference Books	2573	885517	22	8752	2595	894269
e-Books	740	0	0	0	740	0
Journals	1768	6577604	215	419838	1983	6997442

e-Journals	1030	1819492	1202	1645750	2232	3465242
Digital Database	693	113570	0	0	693	113570
CD & Video	3786	0	24	0	3810	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.S.Banumathi	Technology Enabled Learning	Learning	13/06/2018
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1787	18	510	2	0	0	10	510	0
Added	0	0	0	0	0	0	0	0	0
Total	1787	18	510	2	0	0	10	510	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

510 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
TEL - Curricula	http://tlc.krgi.in/curricula2/login/faculty/index.php
ICT	http://tlc.krgi.in/ict-tools/index.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1020	1016	165	162

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

All laboratories are provisioned with power back up through online UPS. Regular laboratories verification of all components including computers and systems end of every month last week. The labs are upgraded on regular basis with new regulation and curriculum based on their requirements. Fire extinguishers are

provided as part of safety equipment in all labs and departments. High speed BSNL internet is used to connect the labs and departments to the central fiberoptic backbone. The classrooms boards and furniture facilities are utilized regularly and the regular cleaning of the classrooms and the laboratories are done with the efforts of the nonteaching staff. The college has adequate number of laboratories with all facilities in different locales like office, labs, library and departments. The library is also provided LAN facility for the computers and they are loaded in their software. The individual staff has separate login id for accessing internet and study materials through ecurricula. Most of the staff has their own laptops. The academic supporting facilities like as library, sports, NSS, Clubs, Additional Languages and competitive exams. A Huge amount of money for the library upgrade and maintenance is made by the management in every year. The college has college Administrative Management System (CAMS) for complaint register. The registered complaints have followed by the HoD, Manager, incharge and completion status. The CAMS also provide event management system for conducting events and related arrangements (Car, Food, Refreshment and Hall). Kaizen are collected from all faculty members and the best kaizen are selected to display in the kaizen board.

<http://mkce.ac.in/ktgadmin/assets/php/pdf/1544089862.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit Scholarship	385	13627500
Financial Support from Other Sources			
a) National	BC, MBC, DNC, SC, ST	960	12574025
b) International	0	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skill Development	01/03/2019	112	Vertical Eye

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	TNPSC	126	4	0	0
2019	Banking	50	7	2	0

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
35	7108	679	53	4165	247

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	6	CSE	CSE	M.Kumarasamy College of Engineering, Sona College of Technology, Holy Mary Institute of Technology Management	ME, MBA
2019	4	ECE	ECE	M.Kumarasamy College of Engineering, Karunya Institute of Technology & Sciences, SASTRA University	ME, M.Tech. MBA
2019	1	Mechanical	Mechanical	SRM University	MBA
2019	5	Civil	Civil	Kumaraguru College of Technology, Coimbatore, National Institute of Construction Management and Research,	ME, MBA

				Mumbai, PSG College of Technology, Coimbatore, Bannariamman Institute of Technology, Erode, Jansons School of Business (Autonomous), Coimbatore	
2019	1	EIE	EIE	Shizuoka University	ME

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GMAT	2

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Volley Ball	Zonal Level	250

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Mepco Dance	National	0	1	17BEI3042	K.Sneha

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Institute does not have a Student Council in existence. However, there are various committees and clubs in the college which look after various academic and nonacademic aspects headed by faculty. These committees and clubs focus their attention on one specific process/functional area of the college, plan activities and ensure its implementation. They keep meeting periodically and take suitable decisions for effective implementation. List of the committees and clubs are given below: ? Board of studies ? Internal Quality Assurance Cell ? Internal Assessment ? Professional Development ? Professional Association ? Student Support Services ? Grievance Redressal ? Sports Games ? Maintenance House Keeping Hospitality ? NSS ? Cultural Club ? Sexual Harassment ? Placement cell ? Alumni Cell ? Disciplinary ? Math Club ? Technical Innovators Club ? Quiz Club ? Eco Club ? Wizme Club ? Toast Master Club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

the college has its own Alumni Association. MKCE has registered Alumni Association named MKCE Alumni Association which registered with the registrar of societies, Karur. It is also registered as a charitable institution with the certificate of registration under section 10 of Tamilnadu, ACT 1975(Tamilnadu Act 27 of 1975).

5.4.2 – No. of registered Alumni:

8000

5.4.3 – Alumni contribution during the year (in Rupees) :

472000

5.4.4 – Meetings/activities organized by Alumni Association :

? 13th alumni meeting were held on 05.05.2018 (Sunday) at Hotel ALOFTChennai. ? Regularly alumni are contributed to development of students for their carrier development. ? Alumni are act as chief guest on departmental professional society activities and other related activities like as seminar, workshops, conference and symposium. ? Through alumni, we are organized sports activities like handball, Cricket, hockey , etc., ? Alumni are involved to arrange industrial visit, in plant training and placement.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Training and Placement Cell: ? Industry to Institute Interaction- Corporate persons from leading industries are invited regularly to interact with students for their technology and needs of the industries. ? Various Training Programmes are organized to train the students in the areas of Aptitude, Quantitative Reasoning, Logical Reasoning and Verbal through the Reputed External Training centers and Alumnis. ? Technical trainings are being conducted by subject experts through internal faculty members. ? Additional Language learning to train students in developing their communication skills and foreign language skills such as Japanese Career Development Programs organized by Training and Placement Cell ? Personality Development Program ? Communication Skills Program ? Group Discussion Practice ? Entrepreneurship Development Program ? Mock Interview Sessions ? In plant Training ? Conducting Industry to Institute Convergence expert interaction sessions ? Conducting Japanese Language Course ? Public Sector Competitive Exams Training ? Industry Internship Programs The attainment of research and development cell has counted no of students placed /received offer letter from companies. The average salary package is also considered for the attainment of number of students got placed/received offer letter. Research and Development Cell: ? To develop research skills among the faculty and students ? To create a TAG group among the faculty based on the area of research work. ? To promote and to encourage the aspiring students and faculty members to carry out research in the field of science, engineering and technology by providing necessary facilities and infrastructures required for them ? To have Periodical interactive session with RD cell members ? To enhance skill development training and self employment opportunities ? To serve government by taking up sponsored projects ? To ensure smooth functioning and effective Management of RD at the institution. ? To establish collaboration

with other universities, research centres and industries with information to RD cell on research and development projects. The attainment of research and Development cell has counted number quality publications, funded projects and consultancy work.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	As an Autonomous college of the Anna University, the Institution implement the Choice Based Credit Scheme (CBCS) of academic curriculum as per norms of AICTE. The quality improvement strategies further focus on during the curriculum which includes more applied innovation oriented and synchronous to the developments in field of Computer Science, Communication Information Technology, Electrical Electronics, Instrumentation, Mechanical and Civil. Further, the quality strategies also emphasise the inclusion and development of valueadded/addon courses for both undergraduate and postgraduate programmes which are oriented towards the development of job relevant skills.
Teaching and Learning	The teaching pedagogy is aligned with outcomebased education model. All classrooms and labs are equipped with IT infrastructure to ensure ICT based teaching. Technology Enabled Learning is being effectively implemented across entire organization with the help of all faculty members. The platform is used to disseminate valuable information like, eclass notes, short questions with answer, long Questions, Web Links, videos, Internal Assignments, Quizzes, etc. Students are also being encouraged to share information and collaborate in the teaching process. The students' performance is assessed continuously through various assessment tools including classroom performance, tutorials, quizzes, assignments and internal examination.
Examination and Evaluation	As per the Anna University and University Grants Commission (UGC) guidelines, the College put efforts to improve the effectiveness of the internal assessment system. The quality improvement strategies focus on

maintaining a proper assessment framework which is able to evaluate the knowledge and understanding of concept by precisely the student while achieving the desired goals of interaction, learning and transparency. Faculty members are encouraged to assess students through multiple evaluation methods such as presentations, written examination and group discussions.

Research and Development

Research and Development Cell comprising senior faculty members and researchers which monitors and ensures the quality of research practice. The cell organizes orientation programmes/workshops for faculty to help them improve the quality of research regularly. Faculty members and students have been provided online access to digital library with all e-journals. Financial support have also been provided for the faculty members to attend conferences and present papers in national and international. A Research Promotion Scheme has been introduced which provides monetary incentives and recognizes faculty output in research and development.

Library, ICT and Physical Infrastructure / Instrumentation

The library materials via Web OPAC IMPRES ERP6.0 Version library has also subscribed for online databases that can be browsed from 8.40 AM to 8.00 PM. The library maintains separate reference/periodical section with back volumes and current journals/dissertations/project reports for ready reference. Faculty and Students have online access to 930 e Journals. As an outcome, the College completely renovated its WiFi system to provide 24/7 access with 510Mbps internet to students, faculty members and nonteaching staff. Also, as extension of the strategy, every classroom of the College is projector and WiFi enabled.

Human Resource Management

MKCE has well defined human resources policies. The management contributes an amount equal to the employee share for EPF with Pension scheme and Group insurance. Institute grants Medical, Casual, On Duty and Special Leave to its faculty members and Non Teaching Summer and Winter vacation will also be provided as per the norms of MKCE. Maternity Leave facility also has been

	provided to lady faculty members as per norms. On Duty provisions will also be given to the faculty members for pursuing higher studies, attending enrichment courses/seminars/conferences/workshops and exam duties.
Industry Interaction / Collaboration	M.Kumarasamy College of Engineering signed MoUs with Tata Consultancy Service(TCS), Infosys Campus Connect, Cognizant Technology Solutions (CTS), Wipro, NITTrichy, IIMBangalore, Texas Instruments, UKA Tarsadia UniversityGujarat, Automation Anywhere Unversity, Yokogawa, Seshasayee papers Ltd., IntelIndia, etc.,. Faculties and Students are benefited for Industrial visit, Industrial Training, Internship, Final Projects, Consultancy, Training and Placement. The college maintain regular interaction with industry persons organizes training programme to the students and faculties. Eminent persons from industry act as a visiting faculty, Expert member of Board of Studies and guest lecture for the benefits of students.
Admission of Students	The admission is done through Directorate of Technical Education (DOTE) as per State Government Norms and based on their online admission procedure, students are admitted to Colleges based on their preferences. College is allowed to admit 35 students under Management seats, which is done on the basis of percentage in 12th examination and as per the norms of government.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	Implemented SMS, WhatsApp and email groups' communications for dissemination of activities including regular notice to all stakeholders. Implemented of SMS system for students academic attendance and Hostel attendance to their parents. Implemented online payment system for exam fees. Academic 360 degree student related activities.
Administration	Online leave requisition system. Fully furnished RFID system in the central Library. All Class rooms are enabled WiFi facility with internet. Smart Hostel maintenance for students leave

	apply. SMS systems are introduced for circular and other information to students.
Finance and Accounts	Fully computerised office and accounts section. Maintenance the college accounts through Tally. Separate corporate office for maintaining financial documents.
Student Admission and Support	Admission through single window system as per state government norms. Hostel, Mess, canteen etc... Well established library with all facilities. Management scholarship for meritorious students based on their 12th mark. Group insurance for all students.
Examination	Autonomous institution have separate Controller of Examination office as per UGC and Parent university norms.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr.R.Karthikeyan	7th International Conference on Intelligent Advanced System (ICIAS) – August 2018	IEEE	8125
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Team Building		30/07/2018	30/07/2018	1	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

Internet of Things	14	29/12/2018	29/12/2018	8
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
63	63	33	33

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Free transport facilities • Maternity Leave / Paternity Leave • Sponsoring for attending conference, workshop and FDP • Group insurance • Providing loan without interest. • HRM award with cash prize /Promotions • Staff Meritorious award • Award prize for sports achievers • Special study leave for higher education 	<ul style="list-style-type: none"> • Educational support to the children of staff • Free transport facilities • Maternity Leave • Sponsoring for attending conference, workshop and FDP • Group insurance • Providing loan without interest • Staff Meritorious award 	<ul style="list-style-type: none"> • Group insurance • Tuition Fees Waiver Scheme for high scorers in STD 12th • Award and cash prize for academic and sports achievers • On duty for Sports, Internship, Symposium, Workshop, Seminar

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

<p>The college has a well formulated financial policy which ensures effective utilization of finances for academic, administrative and development purposes. Every year the department budget is prepared and the same is submitted to the financial department. The college overall budget is prepared centrally well in advance after collecting into the requirements of all department with the future plans of the institution. The budget is reviewed by the management and approved after necessary changes for utilization and benefits of the students. If required, the management provides for additional funds to development the emergency needs. The financial authority approves the annual budget and expenditure of the previous year utilization. Financial audits are quarterly conducted by a certified auditor every financial year to verify the compliance with established financial processes.</p>

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Dr.M.Balakrishnan	22800	Advances in stir casting, welding and non destructive testing
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6.4.3 – Total corpus fund generated

10000000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Creative Management Consultants	Yes	IQAC
Administrative	Yes	Creative Management Consultants	Yes	IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parents are regularly invited to interact with the faculty and shown the progress of the students through the performance including academic, cocurricular and extra -curricular activities. ? It helps to foster and promote good relationship among Faculty and Students. ? It helps to create keen interest for the smooth functioning of the institute. ? It helps to understand the diversified need of the students belonging to different environment ? Technical background parents are identified for their valuable suggestions to improve our curriculum and syllabus.

6.5.3 – Development programmes for support staff (at least three)

? Support staff is encouraged and sponsored to pursue higher education. ? Regular orientation programmes/technical workshops are organized for the technical support staff to upgrade their skills.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Research and Development: Taking into cognizance the growing importance of research and the need to channelize the research attitude and skills of faculty members in the college, the research and Development Team was constituted in June 2016. The aim of the Team is to: ? Promote research amongst faculty members in the College ? Building and developing research competencies among young faculty members ? Facilitating growth of quality research in the College ? Encouraging and assisting faculty members in preparation of doctoral proposals ? Facilitating faculty members in obtaining projects from agencies such as UGC, MNRE, DST, ICMR, AICTE and Anna University etc., Institution of required specific workshops and lectures to increase the research competencies of faculty members of the College. Experts are invited from reputed institutions to promote research and funding proposals in various areas. Value Added Courses: Taking into cognizance the need for enhancing the skills and employability of its students, the College initiated the process for introduction of valueadded/addon courses. The objective of these valueadded/addon courses is to orient and augment the theoretical rigor of the curriculum with its application in a real world situation. These courses also intend to provide a handson approach to students to the concepts taught in the classrooms. Advanced courses are conducted by the recommendation of industrial experts in the board of studies.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Outcome Based Education	18/07/2018	18/07/2018	18/07/2018	45
2018	NBA internal Audit	21/07/2018	21/07/2018	21/07/2018	230
2018	IQAC Audit Review Meeting	07/09/2018	07/09/2018	07/09/2018	14
2018	NBA internal Audit	01/12/2018	01/12/2018	01/12/2018	65
2018	NBA Peer Team Visit	14/12/2018	14/12/2018	16/12/2018	230
2018	ISO Internal Audit	27/06/2018	26/06/2018	27/06/2018	230
2018	ISO Internal Audit	28/08/2019	28/08/2018	29/08/2018	230
2018	ISO Internal Audit	11/10/2018	11/10/2018	12/10/2018	230
2018	ISO Internal Audit	20/12/2018	20/12/2018	21/12/2018	230
2018	Surveillance Audit	28/12/2018	28/12/2018	29/12/2018	230
2018	Participation in NIRF	04/12/2018	04/12/2018	04/12/2018	15
2019	IQAC Audit Review Meeting	27/12/2019	27/12/2018	27/12/2018	14
2019	IQAC Audit Review Meeting	18/03/2019	18/03/2019	18/03/2019	14
2019	IQAC Audit Review Meeting	22/06/2019	22/06/2019	22/06/2019	14
2019	Ranking and Accreditation	02/02/2019	02/02/2019	02/02/2019	148
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

International Women's Day	11/03/2019	11/03/2019	900	0
Self Defense Program for MBA girls	15/09/2018	15/09/2018	65	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
<p>To give emphasize on environmental protection, the institute obtained ISO 14001:2015 certificate from TUV. 250Kw solar PV system has been installed in campus. In addition to the previous wind power of 350Kw, this 250Kw solar PV has been added. In total capacity of 600Kw renewable power generation provides around 70 of annual power requirement. Majority of lights are replaced with LED lights to reduce power consumption. Biogas plant installed with capacity of 12571 Meter Quebec, it provides around 50 of annual LPG gas requirement of the mess. STP plant for recycling of waste water with capacity of 250 Meter Quebec has been functioning. Rainwater harvesting pits are made in the existing buildings. Plastic awareness program and Rain water harvesting programs are conducted to create awareness among the students.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	1
Braille Software/facilities	Yes	0
Rest Rooms	Yes	8
Any other similar facility	Yes	5
Physical facilities	Yes	2
Ramp/Rails	Yes	3

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	2	2	04/03/2019	7	NSS Unit	To clean the village, To distribute the cloth bags in market.	60
2019	1	1	30/01/2019	1	NSS Unit	To distribute the cloth bags in market.	10

2018	1	1	26/06/2018	1	NSS Unit	To help the farmer and Plant the tress	53
2018	1	1	08/10/2018	2	NSS Unit	Cleaning Process	50
2018	1	1	09/08/2018	1	NSS Unit	To create awareness among people about Pollution control	10

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Professional ethics and human values: 3rd year 5th semester	09/07/2018	Students are learned honesty, integrity cooperation in team work, service learning and understand the concept of engineering ethics. The basic human skills are learned and motivated to adopt in real life.
Blood donation Camp	24/01/2019	25
Village adoption	04/03/2019	50
Swachh Bharat	06/05/2019	25
Awareness Programme(Plastics)	30/01/2019	20

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Laser printer provided to special children (Mother trust, Thanthonimalai, Karur)	17/10/2018	17/10/2018	66

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Management System: Incandescent lamps have been replaced with CFLs and LED lamps thus saving thousands of kilowatts of electric energy. Bio Gas Plant: The mess caters to more than 1500 students daily and generates over 100Kg of solid and semisolid waste, in the form of leftover food and remains of vegetables and fruits. It is now easy to dump this waste processed at the biogas plant after some segregation. Water Treatment Plant: Installed a unique water recycling plant to recycle waste water from hostels and it is used for agricultural. Solar PV and Wind Power: 250 KW solar power generator (Panel) is installed on campus building with Govt. subsidy. 350 kW of wind power plant connected to the grid. Waste Management: Waste materials are collected and segregated through proper segregation and disposal of waste.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Digitization: An inhouse developed Learning Management System(LMS) has been developed and implemented. It maintains digital records of academic process for students and faculty like personal information, daily attendance, OD, Tests marks, model and semester exam performance, counseling minutes and curricular, co curricular and extracurricular achievements and activities, COE information, College information, Fee payment etc.. 2. Technology Enabled Learning (TEL) based content delivery: The focus of the current education system is Outcome Based Education (OBE) with e learning module. In accordance with that, Institute offers Technology Enabled Learning (TEL) for the Students. The TEL is a module of E -learning which satisfy all the requirements of the OBE. This tool is developed by the Institute to enhance the learning capability of the present Students. There are facilities which Students can access like course material in the form power point presentation and pdf, possible part A and part B question with answers, to check the learning happened by using worksheet as an activity in the class room , multiple choice question for deeper understanding of the topic in the particular course. There are various kinds of report available for both the faculty and students to analyse the performance of the individuals. Also, ICT based laboratory tool has been developed which will support the students from the remote. This tools supports the continuous learning even outside the classrooms.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://tlc.krgi.in/tel-tools/telcurricula.php>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The distinctiveness elements of the institute are summarized below: Founded in 2000, M.Kumarasamy College of Engineering envisages to being an institution of global scale through its pedagogy and knowledge management. The vision, Mission and Objectives insightfully direct the commitment of the College to the growth of its students, faculty, society and the nation. "M.Kumarasamy College of Engineering has been serving educational need in Engineering and Technology of industries for various domains. This institution is indeed a brand institution for Engineering and Technology" The College continuous to achieve paramount excellence in the fields of Engineering, Technology and Management education. It is rightly conscious of its Mission briefly etched as, " Produce smart technocrats with empirical knowledge who can surmount the global challenges Create a diverse, fullyengaged, learnercentric campus environment to provide quality education to the students Maintain mutually beneficial partnerships with our alumni, industry, and Professional associations" Keen in its role as an axiom of both knowledge creation and dissemination, the conductive academic environment of the college has inspired faculty members to author and publish academic literature to preserve and expand the frontiers of academic scopes. Over the years, faculty members have published over more than hundred research papers, Books and study materials through Technology Enabled Learning covering all subjects of the engineering education. Faculty members have also contributed actively involved to develop the knowledge science and Technology through professional society activities like as IEEE, CSI, ISTE, IEI, ICI, IAENG, ISOI and IWS.

Provide the weblink of the institution

<https://www.mkce.ac.in/why-mkce.php>

8.Future Plans of Actions for Next Academic Year

? To completely revamp the curriculum and syllabus for UG / PG towards project based learning(as per AICTE Guidance) ? Participating in National Institutional Ranking Farming (NIRF) to find a place in the rank list. ? Achieve a revenue generation of Rs.50 Lakhs through Research and Consultancy. ? Interactions with reputed Institutions and Industries, both National and International for academic and research activities ? Developing and promoting innovation in teaching/learning methodologies ? Organizing International and National seminars/conferences on various relevant themes. ? Promotion of research opportunities for students and faculty members. ? Enhancing the teaching/learning infrastructure and research facility of the institute.