

Annual Quality Assurance Report (AQAR)

Academic year: 2017-18

Submitted to

National Assessment and Accreditation Council (NAAC), Bangalore
DECEMBER 2018



By



MANGALAM COLLEGE OF ENGINEERING

Mangalam Hills, Vettimukal, Ettumanoor, Kottayam, Kerala 686631

Affiliated to

APJ Abul Kalam Technological University (KTU), Kerala

Approved by

All India Council for Technical Education, New Delhi

PREFACE

MANGALAM College of Engineering (MLM) established in the year 2002, stands supreme in the field of technical education with a high level of excellence and quality in education. In keeping with MLM's goal of excellence, the academic program is supported and promoted by highly experienced and dedicated faculty committed to providing the student with knowledge and skills that they need to succeed in the rapidly changing world. Approved by the All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Technological University in Kerala, and promoted by the Mangalam Educational Society, Mangalam College of Engineering is functioning with a mission to bring out leaders for a technology – driven environment. Founded under the leadership of, visionary and print media stalwart Shri. M C Varghese, Mangalam college of Engineering, nestled in Mangalam Hills, is located in the heart of Ettumanoor with nearest railway station just 3 Km away. The college provides a serene and beautiful ambience for the students for their academic pursuits. The main ethos of the college is

- Inspire
- Imbibe
- Innovate

“Inspire the learners to imbibe the values and skills and innovate.”

This report is a collection of data of the activities of the institution in 2017-18 academic year.

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Annexure

Part – A

I. Details of the Institution

1.1 Name of the Institution

MANGALAM COLLEGE OF ENGINEERING

1.2 Address Line 1

Mangalam Campus, Mangalam Hills

Address Line 2

Vettimukal P.O., Ettumanoor

City/Town

Kottayam

State

KERALA

Pin Code

686631

Institution e-mail address

principal@mangalam.in

Contact Nos.

04812-533711, 04812-533722, 04812-710120

Name of the Head of the Institution:

Dr. J M Mathana

Tel. No. with STD Code:

04812-533711,

Mobile:

9840376236

Name of the IQAC Co-ordinator:

AJIT JOSEPH

Mobile:

9495108681

IQAC e-mail address:

iqac@mangalam.in

1.3 NAAC Track ID(For ex. MHCOGN 18879)

KLCOGN 25126

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

http://www.mangalam.ac.in/

Web-link of the AQAR:

http://www.mangalam.ac.in/IQAC/AQAR2017_18.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B +	2.52	2017	February 2017 to February 2022

1.7 Date of Establishment of IQAC : DD/MM/YYYY

15/06/2015

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

Not Applicable

1.10 Institutional Status

University

State

Central

Deemed

Private

Affiliated College : Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (PhysEdu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

APJ Abdul Kalam Technological University,
Kerala

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

No Special status given

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="8"/>		
2.2 No. of Administrative/Technical staff	<input type="text" value="1"/>		
2.3 No. of students	<input type="text" value="-"/>		
2.4 No. of Management representatives	<input type="text" value="1"/>		
2.5 No. of Alumni	<input type="text" value="1"/>		
2.6 No. of any other stakeholder and community representatives	<input type="text" value="-"/>		
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>		
2.8 No. of other External Experts	<input type="text" value="-"/>		
2.9 Total No. of members	<input type="text" value="13"/>		
2.10 No. of IQAC meetings held	2 meetings in 2017-18		
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="7"/>	Faculty <input type="text" value="4"/>	
Non-Teaching Staff	<input type="text" value="2"/>	Alumni <input type="text" value="1"/>	Others <input type="text"/>
2.12 Has IQAC received any funding from UGC during the year?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
If yes, mention the amount	<input type="text"/>		
2.13 Seminars and Conferences (only quality related)			
(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC			
Total Nos.	<input type="text"/>	International <input type="text"/>	National <input type="text"/>
		State <input type="text"/>	Institution Level <input type="text" value="2"/>
(ii) Themes	<input type="text" value="(i) Outcome based Education."/> <input type="text" value="(ii) NBA accreditation"/>		

2.14 Significant Activities and contributions made by IQAC

- Made one NPTEL course mandatory for all faculty. They had the choice to choose the course.
- Restructured the IQAC in the lines of NAAC guidelines.
- Introduced reforms in internal assessment Question paper setting.
- Produced a course diary for all faculty to use for recording the course activity.
- Encourage use of ICT in teaching learning.
- Mangalam College of Engineering hosted the first International conference under EEE department.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To make all staff attend atleast one NPTEL course a year.	All faculties attended one NPTEL course. Some attended 2.
Restructure IQAC in the lines of NAAC.	IQAC was restructured based on NAAC guidelines.
To bring Reforms in Internal assessment.	Internal assessment is done based on the guidelines set by university. So, minimal changes were affected in Exam reforms. But, Question paper setting and scrutiny was overhauled to a new system.
To produce a course diary with blank ares for filling up regular course conduct.	A printed course diary was produced and being used effectively for recording all course conduct.
Encourage use of ICT in teaching learning	Some courses incorporated ICT to enhance the teaching learning process.
To conduct an International conference.	An international conference was conducted by EEE Department.

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body

Yes. The AQAR was placed in front of the Management.

Provide the details of the action taken

The management discussed the contents of AQAR with reference to the suggestions given at the NAAC exit meeting. The following suggestions were put forward:

- The college must hasten its work towards getting NBA accreditation for all Departments.
- Standardization of the academic process should be undertaken with due diligence.
- Faculty must strive to have more National and international exposure and should motivate the student to have a global perspective.
- Conduct more seminars, workshops, conferences and FDPs.
- Arive at MoUs with multiple industries.

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	6	-	6	1
UG	5	-	5	10
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	11	-	11	11
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

- 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	10
Trimester	1

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback :Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects. The institution is affiliated to APJ Abdul Kalam Kerala Technological University (KTU). KTU had introduced the new 3rd year syllabus in the start of the academic year 2017-18. There are new subjects offered in elective category. A new course called comprehensive exam has been introduced for 6th Semester students. In the comprehensive exam the students will have to appear for a final oral examination and an objective based test which is spread through 6 courses.

1.5 Any new Department/Centre introduced during the year. : NO

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	160	123	24	11	2

2.2 No. of permanent faculty with Ph.D. 9

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	8	0	0	0	0	1	0	0	8	1

2.4 No. of Guest and Visiting faculty and Temporary faculty - - -

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	35	6
Presented papers	6	24	1
Resource Persons	0	1	1

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Many innovative process were discussed in the IQAC meetings and after much debate some of the process that were allowed to be explored were:

- ICT based teaching learning.
- Assignment test for the weekends.
- Flipped classroom model for some lab courses.
- Introducing some NPTEL Online courses for selected courses as a method of self study for students.
- Site visits for students to get firsthand knowledge of the use of technology.

2.7 Total No. of actual teaching days

during this academic year KTU- 142 days, MGU- 140 days

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Since the college is bound to follow the rules and regulation stipulated by KTU for conduct of internal examinations, major Exam reforms could not be initiated. Some of the minor exam reforms initiated by the institute were:

- Open book examination is done for a course on Design Engineering.
- A course on Comprehensive Exam has its final questions based on Multiple choice questions.
- The setting up of question paper is done by a team of rather than a single course incharge.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

-	-	-
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2.10 Average percentage of attendance of students

83.51 %

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
ME	122	2.45	26.22	2.45	0	31.14
CE	120	6.66	39.2	6.66	0	52.5
CSE	80	5.0	52.5	5.0	0	62.5
ECE	45	6.66	20	2.22	0	28.80
EEE	38	10.52	36.84	15.74	0	63.16
MBA	57	6	9	40	32	87

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

The IQAC contributes in the teaching learning process by:

- Informing of suitable online courses for added assistance in learning of the subject.
- Provides blank Course diary to faculty to regularly update the course conduct.
- Provides training to newly joined faculty every semester on the outcome based education system followed in the institute.

The IQAC monitors the teaching learning process by:

- Collecting the course information sheet , for each course, at the start of the semester. The Course information sheet contains the various process to map the course objectives and outcomes to the vision and mission of the department and college.
- Monthly audit of the course file and course diary.

- Question paper scrutiny for internal assessment.

The IQAC evaluates the teaching learning process by:

- Collecting the FCAR (Faculty course assessment report) for each course after the publishing of the final result. The FCAR contains the detailed evaluation of the attainment of targets for the achievement of course objectives.
- The faculty Feedback of the student helps in evaluating and advising corrective measures.
- Collecting the Annual Faculty self-assessment report.

IQAC does all these process through its departmental representative in the Department Quality Assurance Cell or DQAC.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	All attended NPTEL
UGC – Faculty Improvement Programme	13
HRD programmes	1
Orientation programmes	15
Faculty exchange programme	0
Staff training conducted by the university	10
Staff training conducted by other institutions	5
Summer / Winter schools, Workshops, etc.	4
Others	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	16	0	0	0
Technical Staff	30	0	6	7

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

The IQAC gives awareness and creates an environment for sensitizing the research climate by:

- Periodical lectures and special talks from research and Industrial experts.
- Promoting research cells in each department.
- Creating awareness among faculty members about the research avenue for faculty and students.
- Encouraging the final year projects and the PG projects towards a research and development stage.

The IQAC promotes a research climate in the institution by:

- Encouraging faculty to pursue Ph.D.
- Encouraging the departments to conduct yearly conferences and symposiums.
- Sending faculty to regular FDPs and Research conferences.
- Making publication of projects mandatory for completion of final year projects.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	1	0
Outlay in Rs. Lakhs	0	0.25	0.25	0

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	1	1	0
Outlay in Rs. Lakhs	0	0.07	0.07	0

3.4 Details on research publications

	International	National	Others
Peer Review Journals	7	0	0
Non-Peer Review Journals	0	0	0
e-Journals	22	0	0
Conference proceedings	9	112	0

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2017-18	KSCSTE	25,000	20,000
Minor Projects	2017-19	KSCSTE	7,000	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2017-18	(i)KTU	2,00,000	-
		(ii)Management	5,000	5,000
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	2017-18		2,37,000	25,000

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

3.9 For colleges
 Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	1	0	0	0	0
Sponsoring agencies	Self				

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1
	Granted	-
International	Applied	1
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides
and students registered under them

3.19 No. of Ph.D. awarded by faculty from the Institution

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

National level International level
University level State level

3.22 No. of students participated in NCC events:

		University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>		

3.23 No. of Awards won in NSS:

		University level	<input type="text" value="1"/>	State level	<input type="text" value="2"/>
National level	<input type="text" value="2"/>	International level	<input type="text" value="-"/>		

3.24 No. of Awards won in NCC:

		University level	<input type="text" value="-"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>		

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="1"/>		
NCC	<input type="text" value="-"/>	NSS	<input type="text" value="5"/>	Any other	<input type="text" value="-"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility.

- Donated chemotherapy chair to medical college hospital,kottayam.
- Blood donation camps organised under NSS.
- Visit to old age homes.
- kerala Flood relief campaign.
- MANGALAM SERVICE SCHEME- charity works
- ROTARACT CLUB- planting trees.
- ENCON CLUB- cleaning work in public places.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	25.03 acres	-	NA	25.03 acres
Class rooms	49	-	NA	49
Laboratories	42	-	NA	42
Seminar Halls	4	2	Self	6
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	-	NA	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	NA	-
Others	-	-	NA	-

4.2 Computerization of administration and library

The administration is computerized. HR department is completely computerized, where attendance and leaves are monitored online. The finance department uses Tally.ERP for keeping accounts.

The library is also computerised. The library card is integrated with student I-Card and is easy for students to borrow books from library.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs.)	No.	Value(Rs.)	No.	Value(Rs.)
Text Books	29272	16,08,592	900	2,18,377	29272	16,08,592
Reference Books	3290	8,050,22	65	4850	3279	8,050,22
e-Books	45	free	nil	nil	45	free
Journals	115	3, 38, 115	19	57000	115	3,38,115
e-Journals	1	5,06,000	1	5,06,000	1	5,06,000
Digital Database	nill	nil	nil	nil	nil	nil
CD & Video	290	nil	nil	nil	290	nil
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depts.	Others
Existing	846	18	64 Mbps	1	1	2	7	5
Added	1 MAC	0	36 Mbps	1	0	0	0	0
Total	847	18	100 Mbps	2	1	2	7	5

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Training to newly joined faculty on use of Management Information system (e-live) for academic and administrative tasks.
- Training to newly joined faculty to access and update information of self and students in the online information system of KTU.
- Training to students on the use of online information system of KTU for course registration, exam registration and general information management.

4.6 Amount spent on maintenance in lakhs :

i) ICT	Nil
ii) Campus Infrastructure and facilities	Rs. 24,31,796/-
iii) Equipments	Rs. 1,30,513/-
iv) Others (Repairs)	Rs. 16,24,843/-
Total :	Rs. 41,87,152/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The various student support system of the institution are:

- Anti-ragging cell
- Student grievances and redressal cell
- Hostel committee
- Counselling center
- Placement cell
- Class committees
- Student union
- Various clubs

5.2 Efforts made by the institution for tracking the progression

The institution tracks the progression of the students by

- Maintaining the student progression report at the class teacher level.
- Providing Counselling to students whenever need arises.
- Giving sufficient guidance to students to clear the back papers, if any.
- Informing the parents regularly about the progression of their ward by way of progress reports.
- Maintaining the record of extra and co-curricular activities participated by each student in a register for activity points.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1341	160	-	-

(b) No. of students outside the state

2

(c) No. of international students

-

Men	No	%	Women	No	%
	913	60.8		588	39.2

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
900	25	1	572	0	1511	847	34	1	559	0	1341

Demand ratio 0.56

Dropout % : 1.8%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Coaching for competitive exam is incorporated in the lesson plan of each course.
- Comprehensive exam is conducted in the 6th semester to prepare the pre-final year students to appear for the competitive exams in the final year.
- Awards are instituted for top scorers of GATE and Cat exams.

No. of students beneficiaries

324

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
 IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

The institution provides counselling to students in various areas such as:

- Academic counselling – for the weak in studies.
- Psychological counselling – for students dealing with personal or domestic issues.
- Career counselling – for students to construct a successful career in the field of their choice.

No. of students benefitted

272

5.7 Details of campus placement

Department	<i>On campus</i>			<i>Off Campus</i>
	Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
ME	3	32	11	14
CE	4	35	25	3
CSE	10	48	26	15
ECE	8	26	15	6
EEE	7	32	11	0
MBA	21	57	22	32

5.8 Details of gender sensitization programmes

Kerala has been known as the best gender sensitized state. It's a part of the state's culture. To keep the spirit alive, the institution takes the following steps:

- We provide equal opportunity for both the genders in every level.
- We have a functioning women cell in the college.
- Class in-charges are selected in a way that each gender is adequately represented.
- Cultural festivals have events which ensure wide participation in each gender.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	318	63,759,00
Financial support from government	23	6,44,000
Financial support from other sources	NIL	NIL
Number of students who received International/ National recognitions	6	0

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: No Major grievances

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

<p style="text-align: center;">VISION OF THE INSTITUTION</p> <p>To emerge as a center of excellence in technical education and research, creating employable and committed professionals.</p> <p style="text-align: center;">MISSION OF THE INSTITUTION</p> <p>Inspire the learners to be globally competent engineers through innovative teaching and learning methods and imbibe a sense of social responsibility and creative inquiry in them that leads to higher learning and research.</p>
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6.2 Does the Institution has a management Information System

The Management Information system of Mangalam college of Engineering is called ‘e-live’. The Major Modules of e-live and their purpose are listed below:

Academic Module:

- Attendance Record of students
- Course mapping
- Classes taken
- Labs conducted
- Examination Results
- Student registration Details
- Internal Evaluation of students

HR module

- Faculty & Staff Attendance.
- Leave of staff

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

The following are some of the quality improvement strategies, for curriculum, adopted by the institution.

- a) Conduct of additional value added courses.
- b) Adopt time to time suggestions given by AICTE and KTU for curriculum enrichment.
- c) Provide more duty leave to students for attending competitions, cultural festivals and technical events of other institution.
- d) Promote more International student exchange program.

6.3.2 Teaching and Learning

The following are some of the quality improvement strategies, in teaching and learning, adopted by the institution.

- a) Incorporation of ICT tools in teaching learning process.
- b) Mandatory NPTEL courses for Faculty.
- c) Encourage faculty to participate FDPs and workshops that concentrate in the area of teaching and learning.
- d) Remedy classes for the weak in studies.

6.3.3 Examination and Evaluation

The following are some of the quality improvement strategies, in Examination and evaluation, adopted by the institution.

- a) Open book test in some courses.
- b) Question paper for internal exams for each course is now set by a team instead of the course-in-charge.
- c) CCTV infrastructure setup in Examination halls.

6.3.4 Research and Development

The following are some of the quality improvement strategies, in Research and Development, adopted by the institution.

- a) Conduct of more numbers of national and international conferences and workshop.
- b) Motivation to faculty to pursue Ph.D.
- c) Adopted the policy to accept the final year project of students only if accompanied with a Journal/Conference paper.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The following are some of the quality improvement strategies adopted by the institution.

- a) Strengthen the department library by increasing the number of books and improving the library attendance by allocating library hour.
- b) Spread the awareness of ICT among faculty members.
- c) Incorporate ICT in some selected courses.

6.3.6 Human Resource Management

The following are some of the quality improvement strategies adopted by the institution.

- a) HR Management is being done using Management Information system.
- b) HR office is moving towards a system which requires least paper usage.
- c) Following the norms given by the government and AICTE from time to time.

6.3.7 Faculty and Staff recruitment

The following are some of the quality improvement strategies, in Examination and evaluation, adopted by the institution.

- a) Give more opportunity to Alumni to appear in interview for the faculty recruitment.
- b) Give preference to candidates who have valid GATE/NET scores.
- c) Give additional marks to experienced candidates for interview.

6.3.8 Industry Interaction / Collaboration

The following are some of the quality improvement strategies adopted by the institution.

- a) Approach major industries of each department to explore chances of MoUs.
- b) Invite faculty from National/International institutes for fostering a better collaboration.
- c) Strengthen the Alumni ties for better collaboration with the industries who have employed our students.

6.3.9 Admission of Students

The following are some of the quality improvement strategies, for admission, adopted by the institution.

- a) Offered better and increased number of Scholarships.
- b) Undertaken programs to facilitate more campus visit by prospective students and their parents.
- c) Setting up academic/career counselling centres throughout the state.
- d) Faculty conducted school visits for giving motivational lectures.

6.4 Welfare schemes for

Teaching

Non-Teaching: Group Insurance policy,

Students: Academic Scholarships, Group Insurance policy,

6.5 Total corpus fund generated

NO

6.6 Whether annual financial audit has been done Yes

Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	KTU	YES	IQAC
Administrative	YES	KTU	YES	Head Office

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

KTU has introduced a common examination policy for all its affiliated colleges and reforms it from time to time. Some of the reforms introduced this year are:

- a) Barcode based identification system.
- b) Objective based exam for Comprehensive Exam.
- c) Online exam registration.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

KTU has a vision to provide more and more autonomy for affiliated colleges in the coming years. Some of its policies towards this are:

- Giving students an opportunity for getting B.Tech with Honours.
- Lab exams are conducted without external examiner.
- The university has come up with a set of mandatory requirements for colleges applying for autonomous status.

6.11 Activities and support from the Alumni Association

Alumni Association activities are concentrated in areas like:

- Alumni are members of college council and Departmental advisory committees.

- Alumni are helpful in the recruitment process.
- Alumni meet is conducted every year on 26th January.

6.12 Activities and support from the Parent – Teacher Association

PTA is convened every year for effective participation of Parents in the college processes. Some of the activities under PTA are:

- Admission Support.
- PTA members are active in college council and Department advisory committee.
- PTA members are supportive in building Industry-Institute interaction.

6.13 Development programmes for support staff

Staff members are encouraged to regularly upgrade their knowledge through:

- SDPs and training programmes.
- Staff counselling.
- Online courses.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Various initiative by the management has been taken to make the campus ecofriendly. Some of them are:

- Declaring the campus plastic free.
- Reduce use of paper.
- Proper waste disposal system.
- Maintaining the greenery and planting trees every year.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

There are several steps taken which have created a positive impact on the functioning of the institution.

- Restructuring of the IQAC in the NAAC guidelines.
- Extensive NPTEL courses attended by the faculty have resulted in an increased orientation towards research.
- The plan to go for NBA accreditation has given a confidence boost to the faculty and students.
- Open book test have given a new perspective to education for students.
- International conference has allowed the students and faculty to communicate with a global audience.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Plan	Action taken
Restructure IQAC along the NAAC guidelines	Done
Encourage faculty to attend atleast 1 NPTEL course per year	Done
Conduct the first International Conference	International conference has been conducted.
Encourage faculty to take up research	New faculties have applied for PhD.
Introduce more ICT into teaching learning process	New courses have used ICT.
Streamline the teaching learning process for a better outcome based education.	Sufficient changes have been brought in to improve the outcome.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

- Organizing programs of social relevance through various student and management initiatives, which has led to a wide acceptance of the institution among masses. Most of these programs are done under NSS.
- Involvement of Parents, alumni and students in the admission process every year has guaranteed that even at such difficult times the college has still managed to get enough admissions.

7.4 Contribution to environmental awareness / protection

- A hybrid air conditioning system which utilises both solar and electrical energy has been installed.
- Celebrated energy conservation day and conducted an awareness programme for staff on the importance of power saving.
- Steps taken to bring down the use of paper.
- Planted more trees in the campus.
- Effort to make campus with low plastic usage.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

NO

8. Plans of institution for next year

Academic

1. The institution in planning to go for National Board of Accreditation for all the programmes.
2. To strengthen teaching and learning process of students by introducing different pedagogy methods to improve the outcome based education.
3. To improve the technical knowledge of faculty members, the institution insists that they have to participate/conduct FDPs, in the field of their expertise.
4. To improve the technical skills, students have to participate in various technical Symposium and conferences conducted by different technical institution across the world.

Research

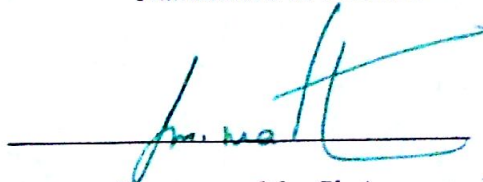
1. The institution is planning for getting the approval for a centre of research from APJ, Abdul Kalam Technological University for all the programmes.
2. Conduction of International Conferences, which provides an opportunity different academicians and researchers, come under one platform to share their knowledge.
3. To improve the research publications of the institution, the faculty members are encouraged to publish their research article with high impact factor journal (SCOPUS ,SCI). and instructed to submit their proposal for different funding agencies for sanction.
4. By conducting project exhibition, identify good project with social relevance, to serve different community across the country.
5. Encourage the faculty and students go for patent for their innovation.
6. To get the Center of Excellence the field of computing like Google Cloud platform, AWS, Machine Learning and Block Chain and in Robotics & Embedded system.
8. To establish IEEE students Branch Chapter & other professional bodies for all the departments.

Name: Ajit Joseph



Signature of the Coordinator, IQAC

Name: Dr. J M Mathana



Signature of the Chairperson, IQAC

Annexure

1. Academic calendar 2017-18.
2. University Audit report of the College.
3. Format of the parent feedback.
4. Example of student feedback (for a course).
5. Example of consolidated student feedback of a class.

MANGALAM COLLEGE OF ENGINEERING
S1,S3,S5 Academic Calendar July 2017– Nov 2017 (Odd Semester)

		Aug-17	Sep-17		
Mon					
Tue	1	startof S1,S3&S5 , Registration Starts			
wed	2				
Thu	3				
Fri	4		1	ONAM VACATIONS	
Sat	5		2		
Sun	6		3		
Mon	7	Course /Class Committee Meeting	4		
Tue	8		5		
wed	9		6		
Thu	10		7		
Fri	11		8		
Sat	12		9		
Sun	13		10		
Mon	14		11		CT-1 Begins
Tue	15	Independence Day	12		Sreekrishna Jayanthi
wed	16		13	Publish Attendance	
Thu	17		14		
Fri	18		15		
Sat	19		16		
Sun	20		17		
Mon	21		18		
Tue	22		19	CT-1 Ends	
wed	23		20		
Thu	24		21	SreeNarayana Guru	
Fri	25		22	Publish Test 1 Marks	
Sat	26		23		
Sun	27		24		
Mon	28	Birthday of Ayyankali	25		
Tue	29		26		
wed	30		27		
Thu	31		28		
Fri			29	Mahanavami	
Sat			30	Vijayadasami , Muharram	
Sun					


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	Oct-17		Nov-17	
Sun	1			
Mon	2	Gandhi Jayanthi		
Tue	3			
wed	4		1	
Thu	5		2	
Fri	6	Publish Attendance	3	
Sat	7		4	
Sun	8		5	
Mon	9		6	
Tue	10		7	
wed	11		8	
Thu	12		9	
Fri	13		10	
Sat	14		11	
Sun	15		12	
Mon	16		13	
Tue	17	CT-2 Begins	14	
wed	18		15	
Thu	19		16	RETEST Begins
Fri	20		17	
Sat	21		18	
Sun	22		19	
Mon	23		20	
Tue	24	CT-2 ends	21	Course/Class Committee Meeting
wed	25		22	
Thu	26		23	Last date for evaluation of Practicals
Fri	27		24	Classes End, Publish Internal Marks & Attendance
Sat	28		25	
Sun	29		26	
Mon	30	Publish Test 2 Marks	27	
Tue	31		28	
wed			29	
Thu			30	


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ACADEMIC CALENDER for KTU S2, S4, S6 (JANUARY-JUNE 2018)

JANUARY		
Mon	1	Registration Starts and start of Classes
Tue	2	Mannam Jayanthi
Wed	3	
Thu	4	
Fri	5	1st Course Committee Meeting
Sat	6	
Sun	7	
Mon	8	1st Class Committee Meeting
Tue	9	
Wed	10	
Thu	11	
Fri	12	Registration Ends
Sat	13	
Sun	14	
Mon	15	
Tue	16	Completion of MODULE-1
Wed	17	
Thu	18	
Fri	19	Student Performance Analysis' Report
Sat	20	PTA Executive Meet
Sun	21	
Mon	22	Start of Remedy Classes
Tue	23	
Wed	24	
Thu	25	
Fri	26	Republic Day/Alumni Meet
Sat	27	
Sun	28	
Mon	29	Central Committee meetings
Tue	30	DAC/DQAC Audit
Wed	31	DAC/DQAC Audit
Thu		
Fri		
Sat		
Sun		

FEBRUARY		
Mon		
Tue		
Wed		
Thu	1	completion of MODULE-2
Fri	2	Publish Attnnd, CLASS TEST-1 STARTS
Sat	3	
Sun	4	
Mon	5	CLASS TEST-1, Start Mid-sem feedback
Tue	6	CLASS TEST-1
Wed	7	CLASS TEST-1
Thu	8	CLASS TEST-1
Fri	9	CLASS TEST-1
Sat	10	
Sun	11	
Mon	12	Submission of CT-1 marks to class advisors and FEEDBACK CONSOLIDATED Report to IQAC
Tue	13	Maha Shivratri
Wed	14	Publish Test-1 marks, PTA meeting and IAC Audit
Thu	15	SARANG-2018
Fri	16	
Sat	17	TECHFEST
Sun	18	
Mon	19	PTA meeting and IAC Audit and completion of MODULE-3
Tue	20	PTA meeting and IAC Audit
Wed	21	
Thu	22	2nd Course Committee Meeting
Fri	23	2nd Class Committee Meeting
Sat	24	
Sun	25	
Mon	26	
Tue	27	
Wed	28	Central Committee meetings
Thu		
Fri		
Sat		
Sun		

ACADEMIC CALENDER for KTU S2, S4, S6 (JANUARY-JUNE 2018)

MARCH		
Sun		
Mon		
Tue		
Wed		
Thu	1	Completion of MODULE-4
Fri	2	Publish Attnnd, CLASS TEST-2 starts
Sat	3	
Sun	4	
Mon	5	CLASS TEST-2
Tue	6	CLASS TEST-2
Wed	7	CLASS TEST-2
Thu	8	CLASS TEST-2
Fri	9	CLASS TEST-2
Sat	10	
Sun	11	
Mon	12	
Tue	13	Submission of CT-2 marks to class advisors
Wed	14	
Thu	15	Completion of MODULE-5
Fri	16	Publish Test 2 Marks
Sat	17	
Sun	18	
Mon	19	DAC/DQAC Audit
Tue	20	DAC/DQAC Audit
Wed	21	
Thu	22	
Fri	23	
Sat	24	
Sun	25	
Mon	26	
Tue	27	
Wed	28	Central Committee meetings, completion of MODULE-6
Thu	29	Maundy Thursday
Fri	30	Good Friday
Sat	31	
Sun		

APRIL		
Sun	1	Easter
Mon	2	LAB Exam/RETEST/Revision starts
Tue	3	
Wed	4	
Thu	5	3rd Course /Class Committee Meeting
Fri	6	3rd Course /Class Committee Meeting
Sat	7	College level Arts fest To be completed
Sun	8	
Mon	9	Publish Internal Marks, Summer Course Registration
Tue	10	
Wed	11	Last date for evaluation of Jury/Practical's
Thu	12	Classes End, Publish Attendance
Fri	13	Forward Attendance & Internal Marks to KTU, DAC/DQAC Audit
Sat	14	
Sun	15	
Mon	16	DAC/DQAC Audit
Tue	17	IAC Audit
Wed	18	IAC Audit
Thu	19	
Fri	20	
Sat	21	
Sun	22	
Mon	23	
Tue	24	
Wed	25	
Thu	26	
Fri	27	
Sat	28	
Sun	29	
Mon	30	
Tue		
Wed		
Thu		
Fri		
Sat		
Sun		

MAY		
Tue	1	May Day
Wed	2	
Thu	3	
Fri	4	
Sat	5	
Sun	6	
Mon	7	
Tue	8	
Wed	9	
Thu	10	Commencement of Summer Courses
Fri	11	Last date for submission of project report in the college (M.Tech)
Sat	12	
Sun	13	
Mon	14	
Tue	15	
Wed	16	University Arts Fest
Thu	17	
Fri	18	
Sat	19	
Sun	20	
Mon	21	
Tue	22	
Wed	23	
Thu	24	
Fri	25	
Sat	26	
Sun	27	
Mon	28	
Tue	29	Last date for M.Tech Project report to the university by the principal
Wed	30	Summer Courses Ends
Thu	31	Report Eligibility of Students after Summer Course
Fri		
Sat		
Sun		

JUNE		
Tue		
Wed		
Thu		
Fri	1	Start of Supplementary Exams
Sat	2	
Sun	3	
Mon	4	
Tue	5	
Wed	6	
Thu	7	
Fri	8	
Sat	9	
Sun	10	
Mon	11	
Tue	12	
Wed	13	
Thu	14	
Fri	15	Id-ul-Fitr
Sat	16	
Sun	17	
Mon	18	
Tue	19	
Wed	20	M.Tech Viva ends
Thu	21	
Fri	22	
Sat	23	
Sun	24	
Mon	25	
Tue	26	
Wed	27	
Thu	28	
Fri	29	Publication of M.Tech/M.Arch/M.Planning Results
Sat	30	
Sun	31	

Working days for B.Tech (KTU)

	Mon	Tue	Wed	Thu	Fri	Sat
Jan	5	4	5	4	3	2
Feb	4	3	4	3	3	1
Mar	4	4	4	4	4	2
Apr	2	2	2	2	1	1

Prepared by IQAC:



PRINCIPAL:





APJ Abdul Kalam Technological University
CET Campus, Thiruvananthapuram
Kerala -695016
India

Academic Audit Report
2017 - 2018

Basic Details

Institution Name	MANGALAM COLLEGE OF ENGINEERING
Auditor Name	Jacob T Varghese
Visit	Second
Semester Type	Odd

General Assessment

Auditor's Comment	Principal's Response
Positive	

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Excellent(5)	All the activities were exactly as per the Academic Calendar of KTU.	
Functioning of students grievances and appeal committee	Good(4)		
Functioning of Academic Discipline & Welfare committee	Excellent(5)		
Information on progress of students to their parents	Good(4)		
Student feedback on co-curricular and extracurricular activities	Good(4)		
Average student to faculty ratio index	Excellent(5)	Greater than 1	

Progress of Monthly report uploading	Excellent(5)	Uploaded on time	
Principal's response ON previous audit reports	Excellent(5)	Responded on time	

B.Tech

No of B.TechStudents	1140
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ELECTRONICS & COMMUNICATION ENGG

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Excellent(5)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Excellent(5)		
Conduct of remedial/bridge classes	Good(4)		

Maintenance of course diary	Excellent(5)	Properly maintained	
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant	Not directed as per KTU	

ELECTRICAL AND ELECTRONICS ENGINEERING

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Excellent(5)	Going well	
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Good(4)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Excellent(5)		
Conduct of Practical classes	Good(4)		
Syllabus coverage of practical courses	Good(4)		
Evaluation of students performance in practical classes	Excellent(5)		
Conduct of remedial/bridge classes	Excellent(5)		

Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

MECHANICAL ENGINEERING

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Good(4)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)	All the mandatory topics are covered	
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Good(4)		

Maintenance of course diary	Excellent(5)	All the audited course diaries were well maintained	
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant	Not directed as per KTU	

INFORMATION TECHNOLOGY

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Not Relevant	Branch not existing	
Attendance of students	Not Relevant		
Quantity & Quality of Assignments/Mini Projects	Not Relevant		
Conduct of Tutorial Classes	Not Relevant		
Syllabus coverage as per course plan	Not Relevant		
Use of ICT enabled teaching & Digital courses	Not Relevant		
Quality, coverage etc. of question papers of internal exam	Not Relevant		
Evaluation of internal exams	Not Relevant		
Conduct of Practical classes	Not Relevant		
Syllabus coverage of practical courses	Not Relevant		
Evaluation of students performance in practical classes	Not Relevant		
Conduct of remedial/bridge classes	Not Relevant		
Maintenance of course diary	Not Relevant		

Student feedback on curriculum coverage	Not Relevant		
Student feedback on infrastructural facilities	Not Relevant		

CIVIL ENGINEERING

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Good(4)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Good(4)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		

Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant	Not required as per KTU	

COMPUTER SCIENCE & ENGINEERING

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Excellent(5)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Good(4)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		

Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant	Not required as per KTU	

M.Tech

No of M.TechStudents	76
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CIVIL ENGINEERING(STRUCTURAL ENGINEERING AND CONSTRUCTION MANAGEMENT)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)		
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Excellent(5)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Good(4)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Excellent(5)		
Conduct of remedial/bridge classes	Excellent(5)		
Maintenance of course diary	Good(4)		

Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

MECHANICAL ENGINEERING(INDUSTRIAL ENGINEERING AND MANAGEMENT)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)		
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Good(4)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Excellent(5)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Good(4)		

Student feedback on infrastructural facilities	Not Relevant		
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ELECTRONICS AND COMMUNICATION ENGINEERING(COMMUNICATION ENGINEERING)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)		
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Excellent(5)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Excellent(5)		
Student feedback on infrastructural facilities	Not Relevant	Not required as per KTU	

COMPUTER SCIENCE AND ENGINEERING(COMPUTER SCIENCE AND ENGINEERING)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)		
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Excellent(5)		
Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

INFORMATION TECHNOLOGY(NETWORK ENGINEERING)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Not Relevant	Branch not existing	
Attendance of students	Not Relevant		
Quantity & Quality of Assignments/Mini Projects	Not Relevant		
Conduct of Tutorial Classes	Not Relevant		
Syllabus coverage as per course plan	Not Relevant		
Use of ICT enabled teaching & Digital courses	Not Relevant		
Quality, coverage etc. of question papers of internal exam	Not Relevant		
Evaluation of internal exams	Not Relevant		
Conduct of Practical classes	Not Relevant		
Syllabus coverage of practical courses	Not Relevant		
Evaluation of students performance in practical classes	Not Relevant		
Conduct of remedial/bridge classes	Not Relevant		
Maintenance of course diary	Not Relevant		
Student feedback on curriculum coverage	Not Relevant		
Student feedback on infrastructural facilities	Not Relevant		

ELECTRICAL AND ELECTRONICS ENGINEERING(POWER ELECTRONICS AND POWER SYSTEMS)

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Functioning of class/course committees	Excellent(5)		
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Excellent(5)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Excellent(5)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI AND EMBEDDED SYSTEMS)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Functioning of class/course committees	Excellent(5)		

Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Excellent(5)		
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Excellent(5)		
Quality, coverage etc. of question papers of internal exam	Excellent(5)		
Evaluation of internal exams	Good(4)		
Conduct of Practical classes	Excellent(5)		
Syllabus coverage of practical courses	Excellent(5)		
Evaluation of students performance in practical classes	Good(4)		
Conduct of remedial/bridge classes	Good(4)		
Maintenance of course diary	Excellent(5)		
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

MBA

No of MBA Students	121
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MASTERS IN BUSINESS ADMINISTRATION

Key Aspects	Rating	Auditor Remarks	Principal's Response
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Functioning of class/course committees	Excellent(5)	All the class and course committee reports were constituted, authenticated and maintained properly.	
Attendance of students	Good(4)		
Quantity & Quality of Assignments/Mini Projects	Good(4)	Trimester just started	
Conduct of Tutorial Classes	Good(4)		
Syllabus coverage as per course plan	Excellent(5)		
Use of ICT enabled teaching & Digital courses	Good(4)	Trimester just started	
Quality, coverage etc. of question papers of internal exam	Good(4)		
Evaluation of internal exams	Good(4)	Firs internal exams were in progress	
Conduct of Practical classes	Good(4)		
Syllabus coverage of practical courses	Not Relevant		
Evaluation of students performance in practical classes	Not Relevant		
Conduct of remedial/bridge classes	Not Relevant		
Maintenance of course diary	Good(4)		
Student feedback on curriculum coverage	Good(4)		
Student feedback on infrastructural facilities	Not Relevant		

MANGALAM COLLEGE OF ENGINEERING

PARENTS FEEDBACK

Name of ward:

semester & class:

Branch:

Date:

Name of Parent/guardian:

		outstanding	Very good	Good	satisfactory	Poor
1	Rate the Facilities available in the college namely library, hostel facility, Mess, Bus facility, Administrative help , Examination process etc.					
2	Rate the quality of academic and co-curricular activities of the Department.(Class notes, assignments etc.)					
3	Rate the Quality of Infrastructure facilities namely laboratory, facilities for learning of curriculum-based software tools.					
4	Rate the helping mentality of your ward's class teacher.					
5	Rate the effort of the Department in overall development of your ward.					
6	Rate the mentorship program of the Department.					
7	Rate the remedial measures taken by the Department towards improvement of your wards performance.					
8	Rate the effort of the Department/college towards placement and higher studies of your ward.					
9	How do you rate the Departments effort in inculcating moral and ethical values in your ward?					
10	Rate - Constant communication about your ward's academic progress report, discipline and attendance.					

Would you like to add any suggestion for the department or college: _____

Signature:

മംഗളം കോളേജ് ഓഫ് എഞ്ചിനീയറിംഗ്

രക്ഷിതാവിന്റെ പ്രതികരണ കുറിപ്പ്

വിദ്യാർത്ഥി(നി)യുടെ പേര്:
തീയതി:

സെമെസ്റ്റർ & ക്ലാസ്സ്:

ബ്രാഞ്ച്:

അച്ഛന്റെ/അമ്മയുടെ/രക്ഷിതാവിന്റെ പേര്:

		മികവുറ്റത്	മെച്ചപ്പെട്ടത്	നല്ലത്	തൃപ്തികരമായത്	മോശപ്പെട്ടത്
1	കോളേജിൽ ലഭ്യമായ സൗകര്യങ്ങളിൽ വിലയിരുത്തുക (ഹോസ്റ്റൽ, കോളേജ് ബസ്, കാര്യനിർവഹണ സഹായം, പരീക്ഷാ നടപടിക്രമങ്ങൾ, തുടങ്ങിയവ)					
2	ഡിപ്പാർട്ട്മെന്റിലെ പഠന, പാഠ്യ-അനുബന്ധ പ്രവർത്തനങ്ങളുടെ നിലവാരം വിലയിരുത്തുക (ക്ലാസ്സ് നോട്ട്സ്, അസ്സയ്ൻമെന്റ്സ്, തുടങ്ങിയവ)					
3	ഡിപ്പാർട്ട്മെന്റിലെ അടിസ്ഥാന സൗകര്യങ്ങളുടെയും, ആന്തരഘടനയുടെയും ഗുണനിലവാരം വിലയിരുത്തുക (ലാബ്, പഠനവുമായി ബന്ധപ്പെട്ട സോഫ്റ്റ്‌വെയർ സാമഗ്രികൾ ഉപയോഗിക്കാനുള്ള സൗകര്യങ്ങൾ, തുടങ്ങിയവ)					
4	നിങ്ങളുടെ കുട്ടിയുടെ / വിദ്യാർത്ഥി(നി)യുടെ ക്ലാസ്സ് ടീച്ചറിന്റെ സഹായമനസ്കരത്വം വിലയിരുത്തുക					
5	നിങ്ങളുടെ കുട്ടിയുടെ / വിദ്യാർത്ഥി(നി)യുടെ സമഗ്രമായ വികസനത്തിന് വേണ്ടി കോളേജ് / ഡിപ്പാർട്ട്മെന്റ് കൈകൊണ്ടു വരുന്ന പ്രയത്നങ്ങളെ വിലയിരുത്തുക.					

6	ഡിപ്പാർട്ട്മെന്റിന്റെ മെന്ററർഷിപ്പ് പരിപാടിയെ വിലയിരിത്തുക.					
7	നിങ്ങളുടെ കുട്ടിയുടെ / വിദ്യാർത്ഥി(നി)യുടെ പ്രകടനം മെച്ചപ്പെടുത്തുവാൻ ഡിപ്പാർട്ട്മെന്റ് കൈകൊണ്ടു വരുന്ന പരിഹാര നടപടികളെ വിലയിരിത്തുക.					
8	നിങ്ങളുടെ കുട്ടിക്ക് / വിദ്യാർത്ഥി(നി)ക്ക് പ്ലേസ് മെന്റ്, അല്ലെങ്കിൽ തുടർവിദ്യാഭ്യാസം ലഭ്യമാക്കാൻ ഡിപ്പാർട്ട്മെന്റും കോളേജും കൈകൊണ്ടു വരുന്ന ഉദ്യമങ്ങളെ വിലയിരിത്തുക					
9	നിങ്ങളുടെ കുട്ടിയിൽ / വിദ്യാർത്ഥി(നി)യിൽ സദാചാരം, ധാർമികത തുടങ്ങിയ ഗുണങ്ങളെ അനുശാസിക്കാൻ ഡിപ്പാർട്ട്മെന്റ് കൈകൊണ്ടു വരുന്ന ഉദ്യമങ്ങളെ വിലയിരിത്തുക					
10	നിങ്ങളുടെ കുട്ടിയുടെ / വിദ്യാർത്ഥി(നി)യുടെ പഠന പുരോഗതി, അച്ചടക്കം, ഹാജർ, എന്നിവയെ കുറിച്ച് കോളേജ് നടത്തി വരുന്ന നിരന്തര ആശയവിനിമയ പ്രക്രിയ വിലയിരിത്തുക					

കോളേജിനോ ഡിപ്പാർട്ട്മെന്റിനോ വേണ്ടി മറ്റെന്തെങ്കിലും നിർദ്ദേശങ്ങളുണ്ട്::

ഒപ്പ്:

Department of Computer Science And Engineering

END SEMESTER STUDENT FEEDBACK ON FACULTY JAN-JUN 18

Course	Basics of Electronics Engineering	Course Instructor	Mariya Stephen
Department	Computer Science And Engineering	Programme	B.Tech
Semester & division	S2 B (2017-2021)	Academic Semester	JAN 18- JUN 18
No. of Students in class	39	No. of Responses	37
Date	05/04/2018		

Sl.no	Questionnaire	Excellent	Good	Fair	Poor	Percentage
1	Knowledge of the teacher in the subject	32	3	0	2	94.29 %
2	Clarity and understandability of teacher's explanations	30	5	0	2	93.33 %
3	Helping mentality of the teacher	32	3	0	2	94.05 %
4	Punctuality of the teacher	30	5	0	2	94.05 %
5	Presentation skill of the teacher	32	3	0	2	93.92 %
6	Ability to complete the modules /syllabus on time	30	5	0	2	92.97 %
7	Behaviour of the teacher	32	3	0	2	94.21 %
8	Sincerity of the teacher	30	5	0	2	93.69 %
9	Teacher's ability to control the class	32	3	0	2	93.99 %
10	Total teaching effectiveness	31	4	0	2	94.14 %
11	English Language used by the teacher	31	4	0	2	93.24 %
Total Feedback						93.865

Class in charge

HOD

Department of Computer Science And Engineering

END SEMESTER STUDENT FEEDBACK ON FACULTY JAN-JUN 18

Consolidation Report

Department	Computer Science And Engineering	Programe	B.Tech
Semester & division	S2 B (2017-2021)	Academic Semester	JAN 18- JUN 18
No. of Students in class	39	Date	05/04/2018
Faculty	Subject Name	Responses	Feedback(%)
Nithya C V	Differential Equations	37	94.595
Vidhya Vinayan	Engineering Chemistry	37	94.568
Hariprasad K S	Engineering Graphics	37	96.595
Sreenimol K R	Design & Engineering	37	95.432
Sruthy Emmanuel	Computer Programming	37	95.351
Mariya Stephen	Basics of Electronics Engineering	37	93.865
Elsa Tom/Sruthy Emmanuel	Computer Programming Lab	37	91.378
Vidhya Vinayan/Albin M John	Engineering Chemistry Lab	37	96.622
Simy p thomas/Rakesh S	EC 110 Electronics Workshop	37	94.919
Class in charge			HOD
