

# TKM COLLEGE OF ENGINEERING

(Government Aided and Autonomous)

celebrating 60 years of excellence



1<sup>ST</sup> IQAC MEETING  
26 SEPTEMBER 2022

[www.tkmce.ac.in](http://www.tkmce.ac.in)

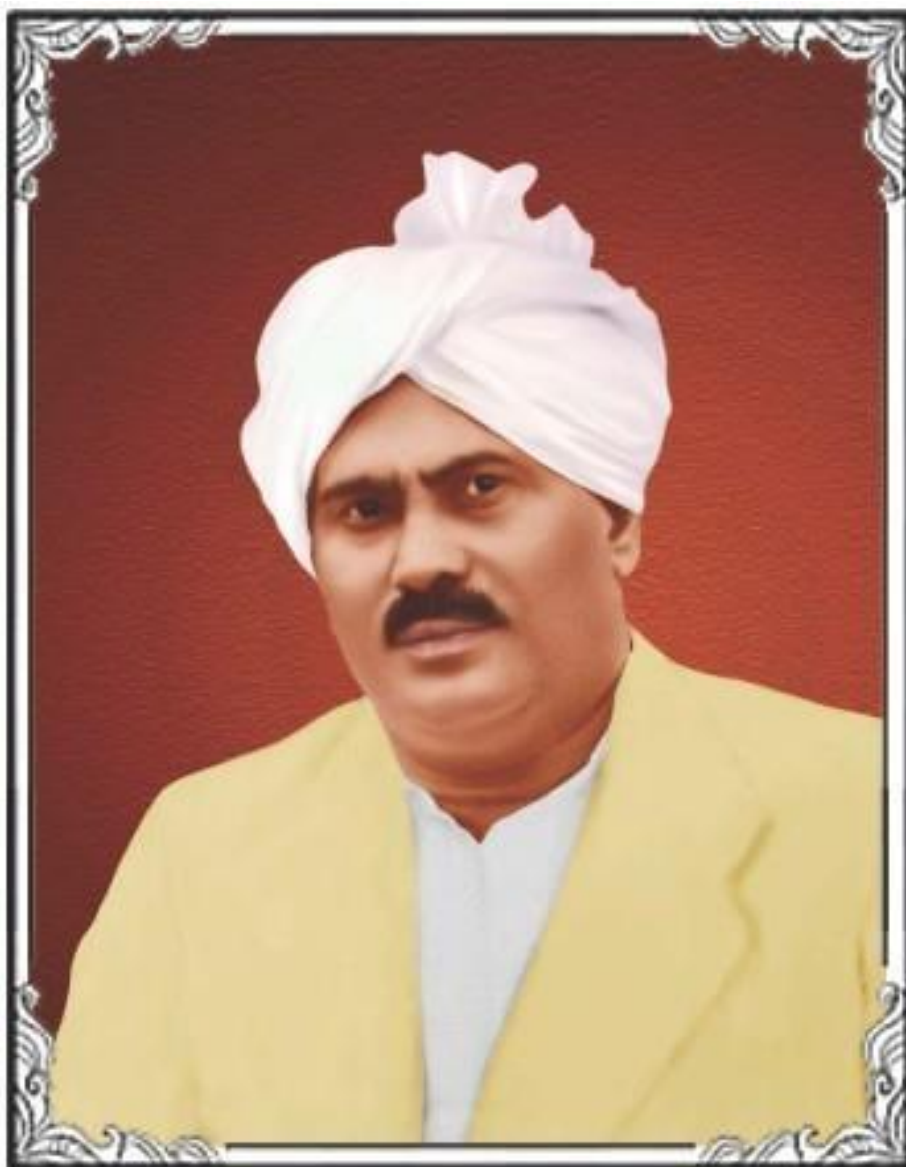
# TKM COLLEGE OF ENGINEERING

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*‘When the mind begins to experience the sensation of physical comfort, joy or satisfied desires; the intelligence has to act as a judge with consciousness as the mediator’*

**MINUTES  
OF  
FIRST MEETING OF INTERNAL QUALITY ASSURANCE CELL (IQAC)  
OF TKM COLLEGE OF ENGINEERING**

The First meeting of Internal Quality Assurance Cell (IQAC) was held on September 26, 2022, at 11 a.m. in the Board Room, TKMCE.

Among 16 members, three members are absent and one member attended online

**Members Present**

1. Dr. T. A. Shahul Hameed, Chairperson
2. Dr. M. Haroon, Member, TKM College Trust
3. Mr. Afsal Musaliar, Managing Director, Supreme Group, Kollam (Attended online)
4. Mr. Nujum Shiyas T., SA Lead Kerala, Reliance Communications Ltd.
5. Dr. Anu V. Thomas, Professor, Department of Civil Engineering
6. Dr. Adarsh S., Professor, Department of Civil Engineering
7. Prof. Syed Muhammed Fahd. Associate Professor, Department of Mechanical Engg.
8. Dr. Anand Shekar, Assistant Professor, Department of Mechanical Engineering.
9. Prof. Shanavas T. N., Secretary, Alumni Association
10. Dr. Fazil A., Associate Professor, Department of Chemical Engineering.
11. Mrs. Bindu Shafi, Administrative Assistant.
12. Mr. Afsal A. M., Head Accountant
13. Dr. Muhammed Siddik A, IQAC Coordinator

**Absence informed**

1. Mr. K. Rajan, Chairman, IEI
2. Vice-Chairman, College Union
3. Prof. Anu Assis, Associate Professor, Department of Electronics & Communication Engg.



**1<sup>st</sup> IQAC MEETING**  
**26 September 2022**

**AGENDA**

**Silent Prayer**

1. Welcome and introductory remarks by Principal
2. Report of IQAC
  - a. Accreditation Status
  - b. Academic Performance
  - c. Placements Status
  - d. Research & Consultancy outcomes
  - e. Professional bodies and Clubs activities
  - f. New research avenues started
  - g. Central Library
  - h. Innovation & Entrepreneurship development cell (IEDC)
  - i. Report of Project funding
3. Discussion
  - a. Autonomy Preparations
  - b. First Autonomous batch - Curriculum 2022
  - c. New Curriculum 2023
  - d. Academic Audit
4. Any other matter



## Meeting started with Silent prayer

### 1. WELCOME AND INTRODUCTORY REMARKS BY THE PRINCIPAL

The Principal is pleased to welcome all members to the first IQAC meeting since the college was granted autonomous status.

TKM College of Engineering, the oldest engineering college in private sector in the state of Kerala, was established in 1958 by Janab Thangal Kunju Musaliar, a reformer, philanthropist and businessman under the aegis of the TKM College Trust, in Kollam district of Kerala. The institution has been a torchbearer for social and technological transformation since its inception and has touched the lives of countless individuals from around the nation, both directly and indirectly. Over a period of six decades, the college produced thousands of brilliant engineers, many of whom are stalwarts in their fields across the globe.

Having started with a humble beginning of 120 students in three basic streams of engineering, the college today stands with the highest intake of 900 plus students per year in seven UG programs and about 200 students in 11 PG programs. All the departments are approved research centres of APJ Abdul Kalam Technological University and about 100 scholars pursue their doctoral studies in these departments. The college has received funding from TEQIP-II and is the only engineering college which became eligible for RUSA funding.

The institution today has become a temple of learning and is equated with excellence in technical education having five accredited UG programs and two PG programs by National Board of Accreditation (NBA). Also, the National Assessment and Accreditation Council (NAAC) has accredited the college with A grade. The Institution is governed by the Governing Body under TKM College Trust.

The 58<sup>th</sup> Governing Body meeting had decided to apply to UGC for autonomous status. The institution was conferred with autonomous status by the UGC on 26<sup>th</sup> May 2022, and the same was formally notified by APJ Abdul Kalam Technological University on 2<sup>nd</sup> September 2022 (U.O.No. KTU/ASST11(ADMIN)/3212/2022).

The first Governing boarding meeting under autonomous status held on 15 September 2022, authorized principal to constitute the academic council as per the UGC guideline. In



accordance with the resolution of GB, principal constituted the academic council on 16<sup>th</sup> September 2022 (ACU3/1010/2022 dated 16/09/2022)

### **Vision**

Excellence in education, and research with socio-economic and environmental outlook

### **Mission**

- To offer state-of-the-art Undergraduate, Postgraduate and Doctoral programmes
- To enhance knowledge by engaging in cutting edge research and by undertaking collaborative projects with industry
- To instill ethical, social and environmental perspectives in designing systems for sustainable development
- To nurture creativity, self-learning and interpersonal skills



## 2. IQAC REPORTING

IQAC coordinator presented the report of various activities during the academic year 2021-22

### A. ACCREDITATION STATUS

#### (i) NATIONAL BOARD OF ACCREDITATION (NBA)

Name of Program	Accreditation Status	From	To
<b>B.Tech</b>			
Civil Engineering	6 years Accredited	2016	2022
Mechanical Engineering	6 years Accredited	2016	2022
Electrical & Electronics Engineering	3 years Accredited	2019	2022
Electronics & Communication Engineering	3 years Accredited	2019	2022
Computer Science Engineering	3 years Accredited	2019	2022
Chemical Engineering	3 years Accredited	2017	2020
<b>M.Tech</b>			
Structural Engineering and Construction Management	3 years Accredited	2019	2022
Industrial Refrigeration and Cryogenics	3 years Accredited	2019	2022

#### (ii) NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

Accreditation Status	From	To
A Grade	Nov 2017	Nov 2022





## ACCREDITATION APPLICATION STATUS

### NATIONAL BOARD OF ACCREDITATION (NBA)

Name of Program	Self-Assessment Report (SAR) Submission	Peer Team Visit Expected
<b>B.Tech</b>		
Civil Engineering	Submitted on June 2022	Oct/Nov 2022
Mechanical Engineering	Submitted on June 2022	Oct/Nov 2022
Electrical & Electronics Engg.	Submitted on June 2022	Oct/Nov 2022
Electronics & Communication Engg	Submitted on May 2022	Oct/Nov 2022
Computer Science Engineering	Submitted on May 2022	Oct/Nov 2022
Chemical Engineering	Submitted on May 2022	Oct/Nov 2022
<b>M.Tech</b>		
Structural Engineering and Construction Management	Submitted on July 2022	Oct/Nov 2022
Industrial Refrigeration and Cryogenics	Submitted on July 2022	Oct/Nov 2022

### NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)

- Steering committee formed for NAAC preparations
- Self-study report (SSR) data collection progressing
- Planning to submit SSR by November 2022



## B. ACADEMIC PERFORMANCE

### Programs & Student Intake

Program	2020-21	2021-22
<b>B.Tech</b>		
Civil Engineering	145	128
Mechanical Engineering	201	203
Electrical & Electronics Engg.	139	133
Electronics & Communication Engg	130	137
Computer Science Engineering	144	142
Production Engineering	Nil	Nil
Chemical Engineering	69	65
B.Arch	80	79
<b>M.Tech/M.Plan</b>		
Structural Engineering and Construction Management	17	18
Transportation Engineering	18	18
Industrial Refrigeration and Cryogenics	16	11
Communication Systems	15	13
Computer Science Engineering	13	8
Urban Planning	18	16
Artificial Intelligence	15	10
MCA	40	38
<b>M.Tech (SF)</b>		
Computer Integrated Manufacturing	13	10
Power Systems	14	8
Industrial Instrumentation	18	10
<b>Ph.D</b>		
Full Time	9	12
Part Time	11	17

### Academic results (UG)

Year	Students Registered	Students Passed	% Pass
2018-22	798	573	71.80
2017-21	767	609	79.40
2016-20	762	543	71.26



## Program-wise result (2021-22)

### Pass Percentage

Branch	Pass Percentage
Civil Engineering	76.00
Mechanical Engineering	74.17
Mechanical Production	66.67
Computer Science Engineering	78.38
Electrical & Electronics Engineering	64.50
Electronics & Communication Engineering	84.93
Chemical Engineering	55.56
Architecture	58.20

### Highest CGPA

Branch	Highest CGPA
Civil Engineering	9.95
Mechanical Engineering	9.74
Mechanical Production	9.57
Computer Science Engineering	9.85
Electrical & Electronics Engineering	9.71
Electronics & Communication Engineering	9.76
Chemical Engineering	9.43
Architecture	8.78



### No. of Student with Highest CGPA (2021-22)

<b>Branch</b>	<b>No. of Students having CGPA Above 9</b>
Civil Engineering	47
Mechanical Engineering	29
Mechanical Production	7
Computer Science Engineering	17
Electrical & Electronics Engineering	24
Electronics & Communication Engineering	36
Chemical Engineering	3

No. of Students Received Honours Degree (2021-22) : **195**



### C. PLACEMENTS STATUS

Particulars	2020 – 21	2021 - 22
No. of Companies visited	66	70
No. of Offers received	720	823
No. of students placed	448	526
Average salary (LPA)	4.5	4.7
Maximum Salary (LPA)	18	33
No. of training programs organized	5	14

<b>BRANCHWISE PLACEMENT STATUS -2021-22 (Upto 31 Aug 2022)</b>					
Branch	Strength	Offers	Placed	Offered	Placed
<b>UG</b>					
Chemical engineering	74	7	7	9%	9%
Civil engineering	158	52	42	33%	27%
Computer science	77	114	62	148%	81%
Electronics & communication engineering	146	218	114	149%	78%
Electrical & electronics engineering	153	170	106	111%	69%
Mechanical engineering	155	87	66	56%	43%
Production	60	41	36	68%	60%
<b>PG</b>					
MTech Civil –TRE	18	1	1	6%	6%
MTech CSE	11	4	3	36%	27%
MTech EC –CS	15	17	13	113%	100%
MTech EEE – IIC	19	11	9	58%	47%
MTech EEE- PS	17	9	7	53%	41%
MTech Mech- AI	15	20	13	133%	87%
MTech Mech – CIM	14	3	2	21%	14%
MTech Mech- IR	17	0		0%	0%
MTech -SE&CM	17	3	3	18%	18%
MPlan-URBAN PLANING	18	0		0%	0%
MCA	64	73	45	114%	70%
<b>TOTAL</b>	<b>1048</b>	<b>823</b>	<b>526</b>	<b>79%</b>	<b>50%</b>



## Major Companies visited

Sl. No.	Name of companies	Name of companies
	(2020-21)	(2021-22)
1	ABSYZ	6 D TECHNOLOGIES
2	ACCUBITS	ABSYZ
3	ACZIA	ACCENTURE
4	ALLGO	ACCUBITS
5	ANALOG DEVICES	ACUVATE
6	APPLEXUS	ALLGO
7	BUILDNEXT CONSTRUCTION SOLUTIONS (P) LTD	ALLIANZ
8	BYJUS	ANALOG DEVICES
9	CARESTACK	ASPIRE
10	CERIUM TECHMAHINDRA	BRILLIO
11	COGNIZANT	BYJUS
12	DEXLOCK	CAPGEMINI
13	ENGINEERING PSC PVT LTD	CARESTACK
14	ENVESTNET	CERIUM
15	EXAMWINNER LEARNING P LTD	COGNIZANT
16	EXPERION TECHNOLOGIES	DEXLOCK
17	FEDERAL BANK	ELEGANT MARINES
18	GEMINI SOLUTIONS	ENVESTNET
19	GES KIMBALL	EXPERION
20	GODIGIT	EY
21	GUIDEHOUSE	FACE
22	H & R BLOCK	FEDERAL BANK
23	HATIO	GADGEON
24	HCL	GEMINI SOLUTIONS
25	HEALTHEDGE	GES KIMBALL
26	HEXAWARE	GODIGIT
27	INDUS TOWERS	HEALTHEDGE
28	INFOSYS	HEXAWARE
29	IQVIA	HITACHI ENERGY
30	K RAIL	IBM INDIA SOFTWARE LABS
31	KEYVALUE SOFTWARE SYSTEMS	IBS
32	KNOWLEGDE LENS	INFOSYS
33	LITMUS 7	INNOPOLIS



34	MITSOGO	IQVIA
35	MPOWERED HEALTH	KALKITECH
36	MRF	KANTAR
37	NEST - SFO TECHNOLOGIES	KEYVALUE
38	ORACLE	KNOWLEGDE LENS
39	OTIO	L & T
40	PETRONET	MEDITRONIC
41	PIT SOLUTIONS	MINDTREE
42	PLANT LIPIDS	MITSOGO
43	PWC	MRF
44	QBURST	NOKIA
45	QSPIDER	ORACLE
46	QUEST GLOBAL	PENTAGON SPACE
47	SOLVILOR	PWC
48	SOTI	QBURST
49	SOUTH INDIAN BANK	QSPIDER
50	SPERIDIAN TECHNOLOGIES	QUEST GLOBAL
51	STANDAV	SADA INDIA
52	SUNTEC	SOTI
53	SUTHERLAND	SUNTEC
54	TATA ELECTRONICS	SUTHERLAND
55	TATA ELXSI	TATA ELXSI
56	TCS	TCS
57	TEQSTORIES	TCS DIGITAL
58	THE SOFTWARE WORKS INC	TECHOSA
59	TISMO	TISMO
60	TRAVANCORE ANALYTICS	TL TECHNOLOGIES PRIVATE LIMITED
61	TURNB	TRAVANCORE ANALYTICS
62	UST GLOBAL	TURNB
63	VKC GROUP	TURNB
64	VODAFONE	UST GLOBAL
65	VVDN	UST GLOBAL
66	WIPRO	VIRTUSA
67		VODAFONE
68		VVDN
69		WALKAROO-VKC
70		WIPRO



## D. RESEARCH & CONSULTANCY OUTCOMES

### Major Research Funding (2021-22)

- FIST2021 funding of **Rs. 69 lakhs** from the Department of Science and Technology (DST), Government of India for department of Mechanical Engineering.
- Prestigious Core Research Grant (CRG) of Science and Engineering Research Board (SERB) of Department of Science and Technology (DST) India in 2021-22 with funded amount of **Rs. 28.59 lakhs** received by Dr. Adarsh S., Department of Civil Engineering.

### Publications

Indexed Journals (SCI & Scopus)	89
Conference proceedings	54

### Programs Organized

Faculty Development Program	3
Workshops	6
Conference	3

### Programs Attended

Faculty Development Program	172
Seminars	18
Workshops	16





### Research Funding

Number of Projects sanctioned	17
Amount Sanctioned	1.24 Cr.

### Patent (overall)

Filed	5
Published	5
Granted	2

### Research Supervisors & Scholars

Number of Research Supervisors	56
No. of scholars joined during 2021-22	29
Total No. of Ph.D. scholars	101
PhDs produced during 2021-22	7

### Details of PhDs Produced during 2021-22

Ph.D. scholars	Research Supervisors	Title
Sajin C S	Dr. Shahul Hameed T. A.	Design and simulation of CMOS amplifiers for high frequency applications
George Joseph	Dr. Shahul Hameed T. A.	Design and analysis of high-performance data converters
Kala L	Dr. Shahul Hameed T. A.	Adoption of M-learning as the future education technology with the deployment of 5G networks
Hashim V	Dr. Dileep P N	Investigation on the mechanical behavior of coronary stents



Chinsu Mereena Joy	Dr. Anitha Joseph	Design and dynamic analysis of three-legged articulated supporting tower for offshore wind turbine
Sheeba A.	Dr. Jose Prakash M	Numerical and experimental investigations on heat transfer and fluid flow characteristics of helical coil heat exchangers
Leena R.	Dr. Jose Prakash M	Investigations on heat transfer and fluid flow of jet impingement cooling for high power electronics

### Consultancy

Year	Amount (Rs.)
2019-20	39,80,968
2020-21	41,77,602
2021-22	48,76,000



## E. PROFESSIONAL BODIES & CLUB ACTIVITIES

Major activities of professional bodies and clubs are listed:

### E1. COMPUTER SOCIETY OF INDIA

No. of student members : 270  
Activities : Workshops/Seminars/Technical Competitions/Technical Talks

Sl. No.	Name Of Program	Activity	Resource Person
1	Exposition	Competition	NA
2	How To Prepare For Placements	Talk	Mr. Arun R Nair, The Director of Projects At Pelatro.
3	Techvo	Talk	Risal Rasheed and Nithin Jose
4	Alan Turing Birthday	Talk	Almira Asif Khan
5	C++ workshop	Workshop	Rohit Karunakaran and Praveen Krishna
6	First Year Orientation	Talk	Akshara Jayachandran.
7	Game Of Tech 2.0	Quiz Competition	
8	GIT & GITHUB workshop	Workshop	Rohit Karunakaran
9	Coding competition - DOTSLASH Phase 1	Competition	NA
10	Coding competition - DOTSLASH Phase 2	Competition	NA
11	Coding competition - DOTSLASH Phase 3	Competition	NA
12	Workshop session on cybersecurity	Workshop	Mr. Vivek Balachandran, Assistant Professor, Programme Leader of Singapore Institute Of Technology
13	Web development (NODE JS) workshop	Workshop	P.K Aravindkrishnan and Aboo Zuhaib,
14	Game development workshop	Workshop	Rohan Anilkumar
15	Debugging competition	Competition	NA
16	UI/UX competition	Competition	NA



## **E2. SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)**

No. of student members : 180  
Activities : Workshops/Seminar/Technical Talks

<b>Sl. No.</b>	<b>Name of Program</b>	<b>Activity</b>	<b>Resource Person</b>
1	3D Modelling and 3D printing- ;Envision'	Workshop (70 registered students)	Prof. Mohith Dadu, Gautham Krishna
2.	Lets Talk	A Talk series	Mr. Vishnu Suresh, TATA Motors
3.	Insta Quiz	Quiz	SAE Executive Members
4	Riqueza	Online Treasure Hunt	Nil

## **E3. ASSOCIATION FOR COMPUTING MACHINERY (ACM)**

No. of student members : 30  
Activities : Workshops/Seminar/Technical Talks

<b>Sl. No.</b>	<b>Name of Program</b>	<b>Activity</b>	<b>Resource Person</b>
1	Orientation	Workshop	ACM Student coordinators
2	Code-it-out	Workshop	ACM Student members



#### **E4. NATIONAL SERVICE SCHEME (NSS)**

No. of student members : 100

Activities : Awareness programme/ Talks

Sl. No.	Name of Program	Activity	Resource Person
1	Praveshanolsavam	Interactive session	
2	Varnika-observing world environmental day	Paper pen-making initiative	NSS volunteers
3	KEAM registration help desk	Service oriented program	NSS volunteers
4	Mathrika: monsoon awareness program	Cleaning drive	NSS volunteers
5	Livia - world blood donor day program	Talk	Dr. Anitha Balakrishnan, Blood Bank officer, IMA Kollam
6	Gender equality program	Awareness session	Kerala's first transwoman doctor, Dr. V S Priya
7	Gender equality program	Awareness session	India's first transmen pilot, Adam Harry
8	Enlighten - a career guidance session	Career Guidance Session	Sri. David KM, an educational courses consultant and Limca Book of Record holder
9	International yoga day celebration	Live session	NSS volunteers
10	'Chirak' – online awareness program for the parents of lp & up students	Awareness session	Smt. Saleena Beevi S, the Parent Coach & the founder of Nila Foundation
11	Drug abuse awareness	Awareness session	
12	Online poster designing competition on importance of public health in the modern world	Awareness session	A A Rahim Memorial District Hospital, Kollam
13	Gender sensitization training program	Gender Sensitization Training Program	Women and Children Development (WCD), Govt. of Kerala



## E5. IEEE SB

No. of student members : 312  
Activities : Workshops/Seminar/Technical

Sl. No.	Name of Program	Activity	Resource Person
1	ENCAMP 21	Multiple Workshops on Coding Video Editing Web Designing Poster Designing Content Writing Communication Event Organization Phase I	Senior Volunteers of IEEE SB TKMCE
2	ENCAMP 21	Multiple Workshops on Coding Video Editing Web Designing Poster Designing Content Writing Communication Event Organization Phase II	Senior Volunteers of IEEE SB TKMCE
3	Science Week Celebrations	Quiz, Web Design Competition and Debate	Senior Volunteers of IEEE SB TKMCE
4	Technologies in Demand	Talk Session	Mr Balagopal P K Vice President (Industrial IoT products) Gadgeon Systems Kochi
5	Annual General Meeting	Meeting of all members	All IEEE Professional and Student members
6	Meraki – WIE	Digital Painting Competition	
7	HERA – Women’s Day Celebration (WIE)	Motivational talk session, Hybrid event	Ms Annie George, NGO Maj. Kavita Nair P, Ms Bhavika Mangalanandan IFS
8	ENERGETTE – PES	ONLINE Quiz competition	Senior Volunteers of TKMCE SB
9	LETSCODE CODING SERIES (WIE)	Four monthly contests on various topics	Senior Volunteers of TKMCE SB



10	MAKING FIRST CONTACT - HOW TO CRACK GOOGLE SUMMER OF CODE - TALK (CS)	Interactive session	Adarsh S, GSoC participant in 2018 CTO in alert.ai
11	MATRICA'21 (SPS)	Technical workshop	Shafi. M.N, Asst. Prof, ECE department of TKMCE
12	WEBINAR ON UAV(RAS)	UAV workshop	Mr Thomas Kuruvilla. Robotics engineer AMSL
13	APP INVENTOR (SIG, IEDC & IAS)	Workshop	Mr Abhijith Pradeep and Mr Krishnadas M.
14	LINKEDIN PROFILE DEVELOPMENT AND OPTIMIZATION (IES)	Workshop	Mr. Udhesh Udayakumar.
15	YP TALKS(MATLAB)	Hands-on Session	Mr Gitin Jacob George, CEO, DAFA Builders Pvt.Ltd
16	IEEE XPLORE TRAINING SESSION	Workshop	Mr Nanda Lal EBSCO Information Services' Senior Training Manager
17	TECH SAVVY SCRIBE (SIGHT)	Technical; Competition	Mr. Ashik Mohammed Nazar Smart Mobility and Intelligent Transportation Systems Engineer ARUP Campus, UK

## E6. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

No. of student members : 478

Activities : Workshops/Seminar/Technical

Sl. No	Name of Program	Activity	Resource Person
1	Relevance and impact of traditional architecture (vastusastra) on contemporary building construction	Lecture Series	Prof. Subhash Varma C.R., (Department of Architecture, TKMCE), IGBC Accredited Professional
2	Introduction and application of building rules in design	Workshop	Ms. Archana V.S., Deputy Town Planner, Office of the Town Planner, Trivandrum
3	Higher education prospects abroad	Lecture	Mr. SHALIN REETHAS Business Director, Yousky, Germany
4	Safety management systems- origin,	Lecture	Dr. PRADEEP



	relevance & models		GOVINDAN PhD, HSE MS Development, Abu Dhabi Polymer Company (Bangalore)
5	Overview of rules & regulations of developmental activities with focus on building rules, town planning schemes and crz notification	Lecture	Ms. SHARY M. V Town Planner, Kollam
6	Dispute resolution in construction projects	Lecture	Er. VINOD KUMAR Chief Operating Officer, Bhu Mitra Constructions
7	Software aided construction management	Lecture	Er. UNNIKRISHNAN A Director of Operations, Samasthi Construction Management & Consultancy, Cochin, Kerala
8	Speech craft 2021	Workshop	Designed for TKMCE ASCE student chapter members by TOASTMASTERS INTERNATIONAL
9	YOGA AND MEDITATION as part of International Day of Yoga A Session on MEDICAL & BREATHING EXERCISE	Activity Session	Ms. ROHINI SREENIVAS, Professional Yoga Trainer
10	Memento design competition	Competition	
11	International web conference in civil engineering for a sustainable planet (ICCESP 2021)	Conference	Experts from academia and industry

### **E7. SOCIETY OF STUDENT ARCHITECTS (SSA)**

No. of student members : All the students of the Architecture department are de facto

Activities : Workshops/Seminar/Technical

Sl. No.	Name of Program	Activity	Resource Person
1	The annual convention of NASA was hosted by School of Architecture, Christ deemed to be university, Kengeri Campus, Bangalore. 39 students delegated including the Unit Secretary and the Unit designee. The students attended 40+ workshops, seminars, keynote speeches, cultural events, trophy shortlisted entries panelling and valedictory function. The students got Special Mention for Louis I Kahn Trophy.	All India Convention of Student Architects	





2	CARDEX and many workshop was organized to exhibit and trade creative works of the students of the department as part of the techno-cultural fest of the college	Exhibition cum sale of hand made products	
3	REVIT ARCHITECTURE (Introduces functioning and usage of REVIT software to create architectural components).	Workshop	CAD Centre Kollam
4	Building services (MEP) organized by department of architecture, TKMCE from 2- 11 June.	Expert talks	Henry and Farad Pvt. Ltd.
5	Bamboo as a building material organized in Dept. of Architecture, TKMCE scheduled on 25 June 2021	Webinar	Dept. of Architecture
6	Residence Design Process and Procedure Studio organized by Dept. of Architecture on 7 June 2021.	Webinar	Niranjan C W (TKMCE Alumni) of EGO Design
7	Webinar on EBSCOhost research platform: features and functionality at a glance by Nandalal T S, representative from EBSCO.	Webinar	30.06.21

### **E8 INSTITUTION OF ENGINEERFS (INDIA)**

No. of student members : 145

Activities : Workshops/Seminar/Technical

Sl. No.	Name of Program	Activity	Resource Person
1	Geotechnical Engineering and Energy Geotechnics	Alumni Lecture Series	Mr. Arjun S PMRF Scholar IIT Bombay



## F. NEW RESEARCH AVENUES STARTED

### F1. AICTE IDEA LAB

It is a matter of pride that TKM College of Engineering, Kollam has been selected for the AICTE IDEA Lab Project, as one among the first 49 Institutions across the Country. TKM College of Engineering is the only institution selected for this project among all the Govt. and Aided Engineering Colleges in Kerala. The IDEA Lab ID of our institution is ID8A202000289.

IDEA Lab is a prestigious project of AICTE for the Skill Development of Engineering graduates of our country. AICTE introduced this project in 2020 to enhance the Skill and Employability of Engineering graduates. It is an innovative and promising initiative to transform technical education by empowering young minds with cutting-edge tools, processes, and skills. This is expected to provide a platform for the students to experiment with and develop their ideas and eventually convert them into innovative products. This will encourage students into the application of science, technologies, engineering, and mathematics (STEM) fundamentals towards enhanced hands-on experience, learning by doing, and product visualization.

We received the official Project Offer Acceptance letter from AICTE regarding the IDEA LAB on 17.06.2021 with the following fund flow and conditions:

- AICTE Contribution – Rs. 33.39 Lakhs and Institute Contribution – Rs.49.09 Lakhs

#### Procurement status of Mandatory Equipment

Equipment	Status of Procurement
Desktop Computers	Procured
CNC Router	In Transit
3D Printer	Procured
3D Printer	PO placed
3D Scanner	In Transit
Laser Engraver	In Transit
PCB Milling Machine	PO placed
Electronic boards and sensors for conducting workshops	In Transit



## **F2. RESEARCH FACILITIES OF CWREM**

### **Department: Civil Engineering**

- A Water Research (WR) laboratory was developed by adding separate working space to perform the experiments in water and wastewater and an instrument cell. The WR laboratory is equipped with UV/Visible Spectrophotometer, Settling Column Facility, COD reactor, Direct Reading Direction Finding Current meter etc. The facilities of inoculums hood, multi-parameter and stereomicroscope were added during 2021-22.
- The facilities of Hydroinformatics laboratory of the centre was improved by providing an air-conditioned cabin with computer and storage facilities for five research scholars and a discussion space. The laboratory is equipped with licensed versions of software such as MATLAB, ANSYS, MIDAS and many open software to perform the statistical and geospatial data analysis. The licensed version of ArcGIS software was added as a new computational facility in the laboratory during 2021-22
- CWREM of Department of Civil Engineering has submitted a proposal for setting up a full-fledged Geoinformatics laboratory, exclusively for performing the geo-spatial data analysis.
- The purchase of ArcGIS software is completed and the addition of computer and infrastructure facilities are in progress.



## G. REPORTS OF CENTRAL LIBRARY

### Purchase details (Amount spent)

Sl. No.	Description	Amount (Rs.)
1	Print Book (Total Volumes purchased=280)	3,58,160/-
2	Print Journals	44,454/-
3	E-Resources (EBSCO ARCHITECTURE, EDZTER, IEEE ASPP, INFLIBNET NLIST, DELNET)	9,56,828/-

### Developmental initiatives:

#### E- Repository (D Space), Web of Science, E- Resources, Activities / Training Organized etc.

TKMCEL subscribes significant number of e-Journals and database package covering major engineering streams. A campus-wide access to various E-Resources through institute IP address has been facilitated. Along with this, Central library collaborates with INFLIBNET through INFED to provide remote access to e-resources through the portal <http://idp.tkmce.ac.in>. The summary of those resources is provided below:

ITEM	EJOURNALS	EBOOKS
ASCE	35	NA
ASME	34	NA
DELNET	7424	13403
EBSCO Architecture	849	204
IEEE ASPP	202	NA
NLIST	6239	195809
Pearson	NA	249
Science Direct	275	NA
Springer	NA	1139
<b>TOTAL</b>	<b>15058</b>	<b>210804</b>

Orientation programs conducted for students/faculty/research scholars for optimum library usage:

Sl.No	Name of the Program	Date	Conducted by
1.	Value of IEEE Publications in Research and Career Development	22/04/2021	EBSCO
2.	IEEE-Enhancing Your Project Work and Research	03/06/2021	EBSCO



3.	Leveraging Web of Science for effective scientific research and writing	08/06/2021	Clarivate Analytics
4.	Improving Research and Performance using the Science Direct Platform	31/08/2021	Elsevier

- Access to **ASCE** and **ASME** has been granted by AICTE under e-Shodh Sindhu Program.
- Access to **Science Direct** and **Derwent Innovation** Database granted by APJAKTU
- Remote access to e-resources through Knimbus platform by APJAKTU
- Plagiarism detection Software- **Turnitin** is made available for faculty and research scholars.
- MoU with Goethe Zentrum, Trivandrum to conduct A1-level German Learning Program.
- Inauguration of Civil Services Aspirants Club



## H. INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC)

### Achievements

- Selected as Band Performer in **ARIIA Ranking** by Ministry of Education, Govt. of INDIA
- Secured **THIRD Position** in Innovation Premier League (IPL) by KSUM (South Kerala Level) & **FIRST** (in Kollam District)
- Institutes Innovation Council (IIC) Received **4 STAR Rating** from Ministry of Education, Govt. of INDIA.
- Selected in the **TOP 10** in the NEC Challenge, Conducted by E-Cell IIT Bombay among 400 colleges in India.
- Received **Rs. 5 Lakh Grant** for Student Innovation Project from Ministry of Education, Govt. of INDIA.
- The project on "Low cost electronically communicated Mixer grinder" received an **Indian Patent**. This was the result of the Hackathon IEDC conducted.
- A student startup Atom Bars was able to raise a fund of **4 Crore rupees**.
- 6 Start-ups **Incubated**
- Conducted 2 National Level Hackathons. .



## I. REPORT OF PROJECT FUNDING

### a. REPORT OF TEQIP

Number of BOG Conducted: 17

Amount spent under different Heads

No.	Category of Expenditure	Particulars	Amount spent (Rs.) (01/06/2021 to 31/05/2022)
1	Replacement Fund	Replacement of Equipment	5,75,168
2	Faculty Development Fund	Faculty attend training, conference, inhouse programs, etc.	6,48,389
3	Corpus Fund	Skill development programs for students, others	2,06,4778
4	Maintenance Fund	Equipment maintenance	4,19,357

### Name of International Conference supported by TEQIP

Sl. No.	Name of International Conference	Date of program
1	International conference on Aerospace and Mechanical Engineering (ICAME)	16 <sup>th</sup> to 18 <sup>th</sup> December 2021
2	International conference on Microelectronic Signals and Systems (ICMSS 21)	18 <sup>th</sup> & 19 <sup>th</sup> November 2021

### Fund Utilities for FDP/Workshop/Conferences

Sl No	Particulars	Department	Amount (Rs.)
1	FDP on Role of Energy storage	EEE	21250
2	FDP on Advances in Biochemical, Biomedical sectors	Chemical	26250
3	Staff development program on Govt e market place (GEM)	Adm. office	3000
4	Attended training program on GANART at NIT, Calicut	Computer science	2000
5	FDP on IDEA lab at CoE, Pune	ECE	22917
6	Attended online course by NITIE, Bombay	Mechanical	2000
7	Attended training program on IDEA lab at CoE, Pune	Mech & ECE	57784
8	Attended training program on IDEA lab at CoE, Pune	Mechanical	28526
9	Attended online NPTEL course	Mechanical	2000
10	Participated International conference	Mechanical	4000
11	Attended online workshop	Civil	2000



12	Attended International conference at GSSS Institute of Engg, Mysore	Computer science	4000
13	Attended FDP on electronic system design	ECE	26701
14	Attended training programme on IDEA lab	ECE	12880

#### Skill development programmes for students

SI No	Particulars	Department	Amount
1	Expert talk on Cyber security for 3 <sup>rd</sup> sem students	ECE	12000
2	Expert talk on MM wave antenna design	ECE	3000
3	Expert lecture on Cyber security for 4 <sup>th</sup> sem students	ECE	3000
4	Skill development program for students	ECE	6000
5	Expert talk on Mental health concerns for students	ECE	3000
6	Workshop on SCI lab for students	CSE	3000
7	Expert talk for students	ECE	3000

#### Equipment replacement expenditure

SI No	Name of Equipment	Amount (Rs.)
1	LCD projectors-11 nos.	5,75,168

#### Maintenance expenditure for Labs

SI No	Name of equipment	Dept	Item for maintenance	Amount (Rs.)
1	MIDAS software	Civil	Renewal	73750
2	Photocopier	Office	Maintenance	6905
3	Desktop computer	Chemical	Motherboard, SPMPs	22170
4	Desktop computer	Chemical	Upgradation of SSD 10 nos.	46900
5	Desktop computer	Chemical	Upgradation of RAM 10 nos.	19900
6	Thermocouples	Mech	Calibration	11505
7	Laptop	EEE	Maintenance	6000
8	Diesel genset	Institution	Periodic maintenance	15412
9	Laptop	EEE	Maintenance	7400
10	Flow control	Chemical	Maintenance	2950
11	Desktop computers	CSE	Maintenance	27600
12	Photocopier	Office	Repair	450
13	High speed centrifuge	Chemical	Maintenance	16000
14	BoD incubator	Chemical	Calibration	8347
15	Desktop computer	CCF	Monitor replacement	87000
16	Laptop	Chemical	Maintenance	3500
17	Air conditioning TestRig	Mech	Maintenance	8968
18	Laptop	chemical	Keyboard, battery charger	1500
19	Shake table	Civil	Maintenance	53100





## **b. REPORT OF RUSA**

### **Report on the progress of works done under construction**

Under the Construction component of the RUSA-II project in the college, construction of laboratory for the Centralized High end Computing facility for research and the interdisciplinary research facility were included in the original Detailed Project Report (DPR). The Construction started on 28th August 2020 and as in July 2021, the metal decking for concreting is progressing and the work is nearing completion. The progress of the work is given in the following table.

<b>SI No.</b>	<b>Work Component</b>	<b>Date of Completion</b>
1	Construction work started	28 <sup>th</sup> August 2020
2	Excavation work	10 <sup>th</sup> September 2020
3	Bed concrete	12 <sup>th</sup> September 2020
4	Raft Concrete	28 <sup>th</sup> October 2020
5	Column Concrete	24 <sup>th</sup> November 2020
6	Earth filling	4 <sup>th</sup> December 2020
7	Plinth PCC work	9 <sup>th</sup> December 2020
8	Steel work started	14 <sup>th</sup> December 2020
9	Plinth Beam Steel work	13 <sup>th</sup> January 2021
10	Plinth Beam Shuttering	22 <sup>nd</sup> January 2021
11	Curing	27 <sup>th</sup> January 2021
12	Manufacturing of Columns and Beams in the Factory	February to April 2021
13	Erection of Columns	May to June 2021
14	Beam work	June to July 2021
15	Metal Decking for Concreting Progressing	July 2021

### **RUSA-The progress of works done under renovation**

Under the renovation component of RUSA-II Project in the college, renovation of the interior spaces of the buildings by floor tiling and maintenance of sunshades of different blocks in the college was included in the original Detailed Project Report (DPR). The BOG which met on 15th June 2020 had accepted the suggestion of assessing the areas and particulars of works proposed under the renovation component. Accordingly, the Project Monitoring Unit (PMU) which met on 15th December 2020 suggested a change in the type of works, considering the present requirements of the college and decided to entrust this task of assessing the areas and particulars of works proposed under renovation to a committee with Prof. Nizar S A, Dr. Muhammed Siddik A and Prof Mohammed Thowsif. The committee recommended the renovation of the office of the Controller of



Examinations, modification of drawing hall in the Mechanical block and construction of retaining wall near the campus ground. On 4th January 2021 the decision of PMU to change the proposal for renovation was communicated to SILK and on 16th April 2021 it was informed to RUSA State Project Directorate also. On April 26th 2021, RUSA demanded a detailed estimate on it and it was prepared by SILK and sent to RUSA on 7th May 2021. The renovation work was started on 26th April 2021 and the progress of the work is shown below.

SI No	Work Component	Date of Completion
1	Renovation started	26 <sup>th</sup> April 2021
2	Demolition of block works, grills and sheets of drawing hall	29 <sup>th</sup> April 2021
3	Masonry and Plumbing works in Room 1	26 <sup>th</sup> May to 2 <sup>nd</sup> June 2021
4	Electrical Lines and GI Boxes installed in Room 1	26 <sup>th</sup> May to 2 <sup>nd</sup> June 2021
5	Electrical Lines and GI Boxes installed in Room 2	26 <sup>th</sup> May to 2 <sup>nd</sup> June 2021
6	Electrical pipes and GI boxes installed, wood partition demolished, wall masonry and concrete frame of door finished in Room 3	21 <sup>st</sup> May to 9 <sup>th</sup> June 2021
7	Floor tile work 85% complete	July 2021
8	Plastering of brick wall 90% complete	July 2021

### Details of Payments

Sl. No.	Receipts Date	Amounts (Rs)	Payment's type	Amount (Rs.)
1	04.09.2019	20,000,00.00	Payment of mobilization advance and centage charges for Construction on 8 <sup>th</sup> October 2020	20,00,000.00
2	23.10.2019	15,000,00.00	Second stage payment for Construction on 28 <sup>th</sup> July 2021	50,36,677.00
3	03.10.2020	15,000,00.00	Second stage payment for Renovation on 28 <sup>th</sup> July 2021	6,09,738.00
			<b>Sub-Total Payments (A)</b>	<b>76,46,415.00</b>
4	21.11.2020	50,000,00.00	Third stage Payments for Construction on 5 <sup>th</sup> August 2022	6,95,330.00
6	27.07.2022 Transaction date on PFMS	18,54,880.00 (Balance added to opening balance of 23,53,585.00 on	Third stage Payments for Renovation on 5 <sup>th</sup> August 2022	35,13,135.00



		on PFMS)		
	<b>Total</b>	<b>1,18,54,880.00</b>	<b>Sub Total Payments (B)</b>	<b>42,08,465.00</b>
	<b>Grand Total</b>	<b>1,18,54,880.00</b>	<b>Grand Total Payments (A+B)</b>	<b>1,18,54,880.00</b>
	<b>Balance in the PFMS Account -Zero</b>			

**Resolution:**

The meeting noted the presentation by the Coordinator and expressed satisfaction in the progress of academic and research activities.



### 3. DISCUSSION/APPROVAL

#### 3.1 AUTONOMY PREPARATIONS

Based on our application for autonomous status, UGC peer team visited the college on 12<sup>th</sup> and 13<sup>th</sup> April 2022. The team consisted of Prof. Keshava Prasad Singh, Emeritus Professor, Dept. of Electronic Engineering, Indian Institute of Technology, Varanasi, Prof. Sachin Nilkanthrao Deshmukh, Dept of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Maratwada University, Aurangabad, Dr. B.B.Ahuja, Director, College of Engineering (Autonomous), Pune, Shri. C. Ajayan, Additional Secretary, Higher Education Dept., Govt. Secretariat, Thiruvananthapuram and Dr. Latha K C, Education Officer, UGC-SWRO, Bangalore. The team verified all the documents prepared by the college and physical inspection was done of all facilities of the college. The team expressed satisfaction in the preparations of autonomy.

UGC granted autonomous status for 10 years from academic year 2022-23 through the order ref no. No. F.22-1/2022(AC) dated 26/5/2022.

Application was placed before APJAKTU for approval from the parent university for autonomous status. This was approved through U.O. no. KTU/ASST11(ADMIN)/3212/2022 dated 02/09/2022 which notified “TKM College of Engineering, Karicode, Kollam - 691005 as an autonomous college affiliated to the university”.

#### **Preparations completed**

- Academic Council constituted as per UGC Guidelines (Order Ref: ACU3/1010/2022 dated 16/09/2022)
- Finance Committee constituted as per UGC Guidelines (Order Ref: GAD/P1/1/1021/2022 dated 20/09/2022)
- Various Board of Studies are constituted as per UGC Guidelines.  
Dr. Anu V. Thomas, Professor, Department of Civil Engineering appointed as Controller of examination (Order Ref: P1/1/195/2022 dated 01.06.2022)
- College office functioning rearranged to manage the work of autonomy. General Administration Division (GAD) and Examination wing are established for this purpose.
- Controller of Examination office work completed.
- Discussion with experts from international reputed university, IITs and NITs conducted for autonomy implementation.
- Academic management system (Etlab) examination module and question paper



management software work completed

- Academic Calendar and draft examination calendar prepared and verified by the IQAC.

**Resolution:**

**Meeting expressed satisfaction on the preparations of  
Autonomy implementation**

### 3.2 FIRST AUTONOMOUS BATCH - CURRICULUM 2022

As the admission procedures by the government are already started for 2022, it is decided to follow the APJAKTU curriculum and regulations as such for the first autonomous batch ( 2022 admission). The academic council also approved to follow the APJAKTU curriculum, syllabus and regulation for B.Tech, B.Arch, M.Tech, MCA, M.Plan and PhD, of the first autonomous batch of the college in the 2022-23 academic year.

**Resolution:**

**IQAC recommended to follow the existing APJAKTU curriculum,  
syllabus and regulation for 2022 admission (first autonomous  
batch)**

### 3.3 NEW CURRICULUM 2023

Curriculum committee prepared a draft curriculum and regulations for the 2023 admission IQAC verified a schedule was prepared for the finalization of the curriculum & syllabus 2023.

	<b>Activity</b>	<b>Date</b>	<b>Remarks</b>
1	Curriculum presentation by HoD's	16-Jan-23	Presentation to be made in the curriculum template with complete information
2	Review of Curriculum by Sub committee	18-Jan-23	
3	Return of curriculum to departments by Sub committee	19-Jan-23	Identify the faculty for common courses eg: life skill



4	Submission of final curriculum by Departments	20-Jan-23	Approved template with complete information
5	BoS meeting for approval of Curriculum	23-27 Jan 2023	
6	Presentation of First year course syllabus by HoD's	24-Jan-23	courses offered by the respective departments
7	Phycis and chemistry syllabus presentation by HoD	27-Jan-23	
8	Academic Council meeting for currciulum approval	02-Feb-23	
9	Presentation of S3, S4 Syllabus by HoD's	03-Feb-23	
10	Mathematics courses syllabus presentation by HoD, Maths Dept	06-Feb-23	
11	Presentation of S5 & S6 Syllabus by HoD	11-Feb-23	
12	Presentation of Syllabus of Life skill, humanities courses	13-Feb-23	
13	Presentation of S7 & S8 Syllabus by HoD	20-Feb-23	
14	BoS meeting for approval of complete syllabus	21-Feb-23 to 25-Feb-23	
15	AC meeting for approval of complete syllabus	28-Feb-23	
16	Curriculum and Syllabus to University	03-Mar-23	

## Resolution

**Meeting approved the schedule**

### 3.4 ACADEMIC AUDIT

Internal Audit Conducted twice in odd & even semester, comments provided by the internal auditors are provided to all departments and advised to provide action taken report.

External audit by APJAKTU of even semester conducted on June 2022 and audit response submitted to university through university portal. The even semester external audit rated as excellent and very good in majority of the work by external auditor. External audit of odd semester scheduled to conduct on November 2022. Preparations are in progress.



**Resolution:****IQAC verified and approved the audit report****3.5 Other items****a. IIQA and Self-Study report for NAAC**

IIQA and Self-study report preparation are progressing by the steering committee.

Progress of data collection reported in the meeting.

Steering committee members

NAAC Coordinator : Dr. Bijuna Kunju K.

Members : Prof. Arun L.

Dr. Jesna Mohammed

Dr. Nishanth N.

Dr. Aneesh G. Nath

Prof. Raiza Rasheed

Prof. Deepa L

Dr. Muhammed Siddik A. (IQAC Coordinator)

NAAC steering committee meeting held 17 times for till date as part of the SSR and IIQA work.

**Resolution****Meeting expressed satisfaction in progress of IIQA and Self study report preparations****b. Various activities undertaken by IQAC office as part of quality assurance**

- i) UGC peer team visit coordination and Central documentation
- ii) Conduct of BoS meetings procedure issued to all BoS chairman
- iii) All policy document reviewed and published to departments/coordinators
- iv) B.Tech final year poster presentation procedure/guidelines issued
- v) Internal Examination question paper review report given to all department
- vi) Various formats applicable for students and faculty are updated
- vii) Student pre-printed profile data sheet given to all advisory
- viii) Streamlined the procedure to issue college id card to student and faculty
- ix) Recommendation given for NAD registration by the institution



## **Resolution**

**Meeting discussed the matters reported**

- 1. Meeting observed that the UGC peer team visit was conducted efficiently.**
- 2. BoS procedure reviewed and adopted for implementation**
- 3. Reviewed policy document discussed and approved by the meeting**
- 4. Project posted presentation guideline accepted for implementation**
- 5. Meeting appreciated the IQAC working committee for preparing the review report of internal examination question paper and advice issued to all department DQAC to follow the comments**
- 6. Updated formats accepted by the meeting**
- 7. Meeting noted that the creation of student profile report will help in future documentation and quality enhancement.**
- 8. Noted**
- 9. Meeting observed that institution registration to NAD is highly essential for ensuring the implementation of NEP**

IQAC Coordinator thanked all members for the active participation and the suggestions provided.

**Meeting end on 2.30 PM**





**ANNEXURE-I**  
**AUTONOMY STATUS -UNIVERSITY NOTIFICATION**



**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

CET campus, Thiruvananthapuram - 695 016  
Ph: 0471 2598122; Fax: 2598522 [www.ktu.edu.in](http://www.ktu.edu.in) Email: [university@ktu.edu.in](mailto:university@ktu.edu.in)

**NOTIFICATION**

KTU/ASST11(ADMIN)/3212/2022

02.09.2022

Sub: Conferment of Autonomous Status on TKM College of Engineering, Karicode, Kollam – 691005 – Reg.

- Ref: 1. Letter No.F.22-1/2022(AC) dated 26.05.22 from University Grants Commission, Ministry of Education, Government of India.  
2. University Grants Commission (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges) Regulations, 2018 Dated 12.02.2018.  
3. U.O.No. 2153/2022/KTU dated 02-09.2022

1. The University Grants Commission has vide letter referred (1) above informed the Standing Committee constituted by University Grants Commission in its meeting held on 12.05.2022, the Competent Authority has decided to grant autonomous status to TKM College of Engineering, Karicode, Kollam – 691 005, Kerala affiliated to APJ Abdul Kalam Technological University, Kerala for a period of Ten (10) years from the session 2022-2023 to 2031-2032 as per provisions of Clause 3.13 and Clause 6.4 (i) of UGC Regulations dated 12.02.2018 and requested the University to issue Notification/Order as per UGC Regulations referred (2) above.

2. The University after having considered the communication of the University Grants Commission referred (1) above, the UGC Regulations referred (2) above and the provisions of the APJ Abdul Kalam Technological University Act, 2015 and the Statutes, Ordinances and Regulations made thereunder, has issued orders referred (3) above sanctioning the issue of notification for the conferment of autonomous status to TKM College of Engineering, Karicode, Kollam – 691 005, Kerala (which shall all form part of this notification as if incorporated herein).

**NOW THEREFORE, IN ACCORDANCE AND SUBJECT TO CLAUSES 1 AND 2 ABOVE, THE APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY HEREBY NOTIFIES THE TKM COLLEGE OF ENGINEERING, KARICODE, KOLLAM – 691 005 AS AN AUTONOMOUS COLLEGE AFFILIATED TO THE UNIVERSITY WITH EFFECT FROM THE DATE OF THIS NOTIFICATION.**

Dr.A. Praveen  
Registrar

To

1. Sri. Shahal Hassan Musaliar, President, TKM College Trust and Chairman, Governing Body, TKM College of Engineering, Kollam.



# TKM COLLEGE OF ENGINEERING

(Government Aided and Autonomous)

celebrating 60 years of excellence



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Action Taken Report

1<sup>st</sup> IQAC MEETING

26 September 2022

[www.tkmce.ac.in](http://www.tkmce.ac.in)

# TKM COLLEGE OF ENGINEERING

(Government Aided and Autonomous)



Action Taken Report  
1<sup>st</sup> IQAC MEETING  
26 September 2022

[www.tkmce.ac.in](http://www.tkmce.ac.in)

**Action Taken Report  
of  
First meeting of Internal Quality Assurance Cell (IQAC)  
of TKM College of Engineering**

The First meeting of Internal Quality Assurance Cell (IQAC) was held on September 26, 2022, at 11 a.m. in the Board Room, TKMCE.

Among 16 members, three members are absent and one member attended online

**Members Present**

1. Dr. T. A. Shahul Hameed, Chairperson
2. Dr. M. Haroon, Member, TKM College Trust
3. Mr. Afsal Musaliar, Managing Director, Supreme Group, Kollam (Attended online)
4. Mr. Nujum Shiyas T., SA Lead Kerala, Reliance Communications Ltd.
5. Dr. Anu V. Thomas, Professor, Department of Civil Engineering
6. Dr. Adarsh S., Professor, Department of Civil Engineering
7. Prof. Syed Muhammed Fahd. Associate Professor, Department of Mechanical Engg.
8. Dr. Anand Shekar, Assistant Professor, Department of Mechanical Engineering.
9. Prof. Shanavas T. N., Secretary, Alumni Association
10. Dr. Fazil A., Associate Professor, Department of Chemical Engineering.
11. Mrs. Bindu Shafi, Administrative Assistant.
12. Mr. Afsal A. M., Head Accountant
13. Dr. Muhammed Siddik A, IQAC Coordinator

**Absence informed**

1. Mr. K. Rajan, Chairman, IEI
2. Vice-Chairman, College Union

Prof. Anu Assis, Associate Professor, Department of Electronics & Communication Engg

**1<sup>st</sup> IQAC MEETING**  
**26 September 2022**

**AGENDA**

**Silent Prayer**

1. Welcome and introductory remarks by Principal
2. Report of IQAC
  - a. Accreditation Status
  - b. Academic Performance
  - c. Placements Status
  - d. Research & Consultancy outcomes
  - e. Professional bodies and Clubs activities
  - f. New research avenues started
  - g. Central Library
  - h. Innovation & Entrepreneurship development cell (IEDC)
  - i. Report of Project funding
3. Discussion
  - a. Autonomy Preparations
  - b. First Autonomous batch - Curriculum 2022
  - c. New Curriculum 2023
    - d. Academic Audit
4. Any other matter

**Action Taken Report  
of  
First meeting of Internal Quality Assurance Cell (IQAC)  
of TKM College of Engineering**

Si.No.	Decision/Recommendation	Action Taken
1	Reviewed the academic and research activities	Noted
2	Autonomy curriculum and Regulation for first autonomy batch (2022 Admission)	Due to time constraint, academic council decided to follow the APJAKTU 2019 curriculum and syllabus for first Autonomy batch. Decision forwarded to University.
3	New Curriculum and syllabus for 2023	New Curriculum and Syllabus developed for 2023 batch B.Tech/B.Arch
4	Academic audit response submission to APJAKTU	Audit response submitted to APJAKTU
5	IIQA and Self Study Report to NAAC	IIQA submitted on 17 November 2022. Due to the transition of college from affiliated to autonomous the submitted IIQA rejected by NAAC and the existing accreditation extend to next 5 years ( upto 2027). Updated certificate received from NAAC.
6	Various Quality assurance initiatives i) BoS Procedure ii) Review of existing policy iii) Procedure for B-Tech Posted presentation iv) Various formats for students and faculty updated v) Pre-printed profile data provided to advisory vi) NAD Registration recommendation	i) Various BoS meeting conducted as per procedure provided by IQAC ii) Policy document shared to all Head of the department/Coordinators iii) Poster presentation conducted as per the procedure iv) Updated formats came into use by students and faculty v) All advisory provided with the profile data of students vi) Process started for institution registration to NAD

