YEARLY STATUS REPORT - 2021-2022

Part A		
Data of the Institution		
1.Name of the Institution		TKM COLLEGE OF ENGIN...
• Name of the Head of the institution		Dr. T A SHAHUL HAMEF...
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		04742712024
• Mobile no		9847072024
• Registered e-mail		principal@tkmce.ac.i...
• Alternate e-mail		iqac@tkmce.ac.in

• Address	**TKM College PO**
• City/Town	**Kollam**
• State/UT	**Kerala**
• Pin Code	**691005**
2.Institutional status	
• Affiliated /Constituent	**Affiliated**
• Type of Institution	**Co-education**
• Location	**Urban**
• Financial Status	**Grants-in aid**
• Name of the Affiliating University	**APJ Abdul Kalam Tech**
• Name of the IQAC Coordinator	**Dr. Adarsh S**
• Phone No.	**04742712024**
• Alternate phone No.	**8078976388**
• Mobile	**9446915388**
• IQAC e-mail address	**iqac@tkmce.ac.in**

- Alternate Email address

adarshs.iitb@gmail.c

3.Website address (Web link of the AQAR (Previous Academic Year)	https://tkmce.ac.in/
4.Whether Academic Calendar prepared during the year?	Yes

- if yes, whether it is uploaded in the Institutional website Web link:

https://tkmce.ac.in/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Va
Cycle 1	A	3.11	2017	2
Cycle 2	A	3.11	2022	2

6.Date of Establishment of IQAC	13/10/2015

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

Institutional/Department /Faculty	Scheme	Funding Agency	Year of
TKM College of Engineering	IDEA LAB	AICTE	2021-

8.Whether composition of IQAC as per latest NAAC guidelines	Yes

- Upload latest notification of formation of IQAC

View File

9.No. of IQAC meetings held during the year	1

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

Yes

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

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

IQAC Coordinated Webinar series for the preparatory works of academic autonomy. IQAC Coordinated lect
works for participation in the NIRF2021 ranking framework. Coordinated workshops on Curriculum and Sy

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome a

Plan of Action	Achievements/Outcomes
Conduct Student Induction Program (SIP) for first year students	Smooth induction of s
Implementation of data collection mechanism	Channelised the data
Coordination and documentation for UGC team visit for Autonomous status	Autonomy status grant
Conduct Academic Audit	Conducted Internal an
Conduct faculty performance appraisal	Measures taken to imp

13.Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021	23/03/2022

15.Multidisciplinary / interdisciplinary

The Vision of our Institution is "Excellence in Education and Research with Socio-Economic and Enviro
Vision Plan keeping in mind that every individual in the College will strive for the best performance
In pursuit of the perfection by each individual, diverse capabilities have to be nurtured and improve
instilled into the College Vision and Mission.

The curriculum as such covers humanities and other Soft skill courses along with the usual Engineering
Professional Ethics, Design Engineering to Sustainable Engineering and Life Skills to Professional Co
all these courses for the holistic development of students.

The process of accumulating "activity points" as a mandatory part of the curricula ensures the studen[t]
the benefit of the society. The value based courses hosted by several agencies are identified as sour[ces]
open up their arena and grow in a multidimensional way.

Multidisciplinary research and projects have been initiated in several areas with faculty from many De[partments]
expected to be successful in producing papers and patents.

The multidisciplinary project works include

- Magneto-Rheo Fluids - Civil and Mechanical
- Nano-fluids as transformer oil - Electrical and Physics
- Sustainable building materials - Civil and Architecture

16.Academic bank of credits (ABC):

   TKM College of Engineering was granted autonomous status by UGC in 2022. Soon after being conferred [autonomous status, the College onboarded the National]
Academic Depository (NAD) and the Academic Bank of Credits (ABC). As an initial step of being onboard[ed,]
the students from 2022 admissions
onwards.

                                                                With wide publicity and constant follow-up among the [students, they]
created their ABC IDs. The process of uploading the grade cards of these students, with their ABC IDs [is being carried out.]
Around 60% of the students who joined in 2023 have already created the ABC IDs and constant follow-up [to ensure all students create]
their ABC IDs so that the grade cards of the students can be made available in the NAD portal as soon [as possible. It is expected that]
the target of 100% registration of all students admitted since 2022 in ABC will be achieved soon and [the grade cards will]
be ready so that the students can avail the benefits of multiple entries and exits.The benefits of th[e ABC are explained to the]
students. The College has made it mandatory for all the students who joined the College after it atta[ined autonomy to create ABC IDs]
at multiple levels is being carried out to ensure that the students create the ABC IDs as soon as the[y join the College.]
students in their profile in the Academic Management System. The examination office monitors the prof[iles of the]
create the IDs is circulated to the respective faculty in charge of the student. The faculty in charge[s follow up with the students for]
creating the ABC IDs. Through this constant monitoring and follow-up, it is expected that all student[s will create their ABC IDs.]

17.Skill development:

TKM College of Engineering has implemented several initiatives to enhance vocational education and so[ft skills in line with the National]
Skills Qualifications Framework (NSQF). One significant effort is the integration of skill development [courses into the curriculum. These]
courses cover a wide range of skills relevant to the industry, ensuring that students are equipped wi[th practical knowledge in their]
chosen fields. The laboratory components of the courses directly contribute to the development of ski[lls]

Additionally, the college organizes Skill Development programs through workshops, seminars, and train
students under AICTE-Idea Lab. Workshop on 3d Modelling and Printing, Skilling Workshop on Embedded S
industry experts to further enhance students employability skills. Further, sessions on communication
provide students with real-world experiences and prepare them for the demands of the professional wor

Furthermore, the college emphasizes experiential learning through internships, industry visits, and ha
knowledge in practical settings and develop industry-specific skills.

ASAP (additional Skill Acquisition Programme) by Government of Kerala has established an ASAP Training
implementation.

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

TKM College of Engineering recognizes the importance of integrating Indian knowledge systems, includir
within its academic framework. To facilitate this integration, the college has established numerous li
and culture among students.

These literary associations serve as platforms for organizing a variety of cultural events, festivals
showcase the richness and diversity of Indian languages and traditions. By actively participating in
understanding of Indian culture but also develop a strong appreciation for their linguistic heritage.

Furthermore, TKM College of Engineering supplement traditional classroom teaching with digital resour
engaged in translation of text books and resources in Indian languages to cater students who may be mo
approach not only enhances students' linguistic proficiency but also fosters a sense of pride and con

Through these initiatives, TKM College of Engineering ensures that students receive a well-rounded edu
encompasses the rich cultural heritage of India. By embracing Indian knowledge systems, the college pr
their cultural identity and equipped to contribute meaningfully to society.

Institution Conducts YOGA sessions regularly (as part of Student Induction Programme mandatorily for s
campus. The TKM Group of Institutions hosted the Yoga Day at TKM College of Arts and Science, which wa
along with faculty and staff, participated in the above programme.

Special Sessions were conducted for Civil and Architecture students in VASTHU - the traditional constr

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

Since 2013, TKMCE has embraced an outcome-based approach to teaching and learning. Each program it off
designed to cultivate specific graduate attributes. Additionally, Program Specific Outcomes (PSO) cate

level, all courses within the program are meticulously crafted with clearly defined Course Outcomes, are tailored to foster higher-order thinking capabilities among students.

The Accreditation of all UG programmes and two PG programmes were successfully completed under the OBI Programmes - Civil and Mechanical recieved accreditation for Six years in the I cycle itself. The tota obvious that the institution has proved its potential in implementing Academic and Administrative syst

20.Distance education/online education:

In 2020, TKM College of Engineering established a state-of-the-art studio in collaboration with the Ac this initiative is to offer Massive Open Online Courses (MOOC) that leverage cutting-edge technologie: experience.

Since April 2020, when Covid restrictions limited the classroom delivery to ONLINE mode, IQAC had deve the complete faculty and students. The Online Video claasrooms were facilitated through Google classro recorded classrooms are still available in private YOUTUBE channels. Several Workshops were conducted materials and delivering them effectively.

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	541

File Description	Documents
Data Template	View File

2.Student

2.1 Number of students during the year	3965

File Description	Documents

Institutional Data in Prescribed Format	View File

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	416

File Description	Documents
Data Template	View File

2.3 Number of outgoing/ final year students during the year	964

File Description	Documents
Data Template	View File

3.Academic

3.1 Number of full time teachers during the year	228

File Description	Documents
Data Template	View File

3.2 Number of sanctioned posts during the year	184

File Description	Documents
Data Template	View File

4.Institution

4.1	73

Total number of Classrooms and Seminar halls	
4.2 Total expenditure excluding salary during the year (INR in lakhs)	258.56
4.3 Total number of computers on campus for academic purposes	1053

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

TKM College of Engineering, is affiliated to APJ Abdul Kalam Technological University (APJAKTU). The a

· Faculty members prepare course files for the courses allocated to them as per their preferences.

· Department subject groups confirm that the outcomes of each course are relevant and that the course

· Innovative and conventional teaching methods like flipped class room, project-based learning, peer

· The attainment of course outcomes in seminar and project are evaluated based on rubrics framed by t

· Content delivery effectiveness is evaluated via tools like internal exams, quizzes, projects, and a

· Institute's academic activities undergo bi-semester audits by Internal Audit Cell (IAC) and External

Feedback on content delivery and syllabus completion is gathered at two class committee meetings per s

File Description	Documents
Upload relevant supporting document	
Link for Additional information	

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

The Academic calendar prescribes the schedule for all activities of each semester including Sports, A

· The number of working days are strictly followed as perinstruction of the University after compensa

· The dates for each and every activity of the clubs like IEEE, IE(I), NSS etc are also collected whi

· Class Committee meetings are scheduled as prescribed by the University and feedbacks are collected

· The Continuous Internal Evaluation CIE process is scheduled in the calendar and conducted as prescr

· The Central Examination Committee, led by the Principal and including representatives of all Departr

· At the end of the semester, the attendance and internal marks are published to the students in ETLAI

The external Auditor appointed by the University ensures the compliance of the schedule.

File Description
Upload relevant supporting document
Link for Additional information

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

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

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

19

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

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

3

File Description
Any additional information
Brochure or any other document relating to Add on /Certificate programs
List of Add on /Certificate programs (Data Template)

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

82

File Description
Any additional information
Details of the students enrolled in Subjects related to certificate/Add-on programs

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability i

The 2019 scheme B Tech curriculum includes several socially relevant courses under the category of Hu
sustainability, Civic Sense, Disaster management and Safety. List of the courses:

· HUN 101 Life Skills

· HUN 102 Professional Communication

- **HUT 200 Professional Ethics**

- **MCN 201 Sustainable Engineering**

- **MCN 202 Constitution of India**

- **MCN 301 Disaster Management**

- **HUT 300 Industrial Economics and Foreign Trade**

- **HUT 310 Management for Engineers**

- **MCN 401 Industrial Safety Engineering**

Open Electives of interdisciplinary nature are also offered by Departments

- **ENVIRONMENTAL IMPACT ASSESSMENT**

- **NATURAL DISASTERS AND MITIGATION**

- **ENVIRONMENTAL HEALTH AND SAFETY**

- **RENEWABLE ENERGY SYSTEMS**

- **ELECTRIC VEHICLES**

- **ENERGY MANAGEMENT**

Majority of the sustainable development goals are achieved through these courses in the curriculum. Th

The motivational talks by IAS officers and senior police officials during the Student Induction Progra beyond the syllabus.

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

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

19

File Description
Any additional information
Programme / Curriculum/ Syllabus of the courses
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses
MoU's with relevant organizations for these courses, if any
Institutional Data in Prescribed Format

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

1070

File Description
Any additional information
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students

File Description
URL for stakeholder feedback report
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management
Any additional information

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

File Description
Upload any additional information
URL for feedback report

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

1047

File Description
Any additional information
Institutional data in prescribed format

2.1.2 - Number of seats filled against seats reserved for various categories (SC,   ST, OBC, Divyangjan, etc. as per applicable reserv

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

412

File Description
Any additional information
Number of seats filled against seats reserved (Data Template)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow lea

The institution assesses the learning levels of the students and organizes special Programmes for adva

Identifying the learning capability level of each student is taken up as a joint effort by the faculty

· Student Induction Program (SIP) is organized to facilitate a smooth transition from their home and s

· The advisory committee, class committee and course committee are functioning in all the departments
committee is done to assess the student's academic performance. Based on their performance, a classif:

Fast learners are allowed Minor projects, Honors, Final year projects, conferences, Web development, :

Slow learners are offered Basic communication courses, Remedial, Bridge courses, Induction programs, I

The Placement cell regularly provides the students with career guidance and training to equip them to

File Description
Paste link for additional information
Upload any additional information

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

Number of Students
3965

File Description
Any additional information

2.3 - Teaching- Learning Process

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

Student centric methods, such as experiential learning, participative learning and problem-solving met

TKMCE strives to achieve excellence through holistic development of students.

Experiential learning:

- Hands-on training are provided in 82 laboratories with sophisticated and modern experimental arrar
- Internships, technical competitions and workshops provide field exposure
- Industrial visits to companies, historical sites and tourism spots
- Technical fests are organised to develop the technical, managerial and cultural skills
- Diligent efforts are taken by various clubs and associations to nurture creativity, innovation, ta

Participative learning:

- Flipped classroom, a form of blended learning integrates classroom activities with ICT tools
- Conferences, workshops and seminars
- Expert talks, TED Talks, debates & panel discussions

- **Peer learning through mini projects and final year projects encourage shared learning**

Problem solving methodologies: Students understand the concepts and learn to apply knowledge for solv:

- **Project works carries out by UG and PG students help them to explore real life problems and advan**
- **Students are encouraged to apply for funded projects so that they are financially assisted in deve**

Case studies are presented in the classroom regarding the topic of discussion for linking theoretical

File Description	Documents
Upload any additional information	
Link for additional information	

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

Effective Teaching Learning is carried out in the College by judicious usage of ICT tools

· Campus Wifi supported by Central UPS helps uninterrupted data transactions for both faculty and stu

· All 73 classrooms are provided with Campus Wifi as well as projector facility

· Interactive Boards are also provided in 14 classrooms from the TEQIP fund and PTA.

· The Seminar Halls are also provided with ICT facilities

· The ASAP Room has a video recording studio facility which has helped the faculty to create online re

· Students are also supported in the campus and Hostel with the Wifi which enables them to undertake

· The academic Management System ETLAB enables the preparation of lecture planning, delivery of lectu

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

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

2.3.3.1 - Number of mentors

205

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

2.4 - Teacher Profile and Quality

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

152

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

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider on

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

77

File Description
Any additional information
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for y

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

2.4.3.1 - Total experience of full-time teachers

15

File Description
Any additional information
List of Teachers including their PAN, designation, dept. and experience details(Data Template)

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words

Every Semester, there are two internal assessments conducted in a centralized manner.

Examination Cell: The superintendent along with committee members representing all Departments superv:

· Conduct of internal and external examination

· Assignment of invigilation duty and other works related to examination cell

· Examination hall allotment and overall seating arrangement

· Conduct of Retest as per university guidelines and institution policy

Examination Squad

- An internal examination squad working for the effective conduct of internal examinations. Observer
- The squad inspects cases of malpractice and metes out disciplinary action as deemed necessary
- Examination halls are under CCTV surveillance to monitor the smooth conduct of exams.

Assignment, Seminars and Projects

- Assignments are done as a group or an individual which provides opportunity to learn, practice and
- Seminar and projects guarantee participative learning which prompts students to gather additional the published rubrics.

The valuation is done in a time bound manner and the marks are available in ETLAB.

File Description
Any additional information

Link for additional information

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

The mechanism to deal with internal examination-related grievances is transparent, time- bound and eff

To address exam-related grievances in both the internal and university exams, the institution has a tr
However, even before a formal complaint is made to the Grievance cell, a three-tier mechanism compris:
ensure the grievance is addressed at institutional level.

- Advisory meeting, class committee meeting, feedback in AMS
- Complaint Box

Link for complaint in website

File Description
Any additional information
Link for additional information

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and commun

Programme and course outcomes for all Programmes offered by the institution are stated and displayed o

The Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) for all Programmes are stated and
after required modifications. They are then made available in the Academic management system –ETLAB fo

The format of the COs of a Course is attached.

CODE

COURSE NAME

CATEGORY

L

T

P

CREDIT

EET206

DIGITAL ELECTRONICS

PCC

3

1

0

4

Preamble: Nil

Prerequisite: Nil

Course Outcomes: After the completion of the course, the student will be able to:

CO 1

Perform arithmetic operations in decimal, binary, octal and hexadecimal number systems

CO 2

Design and implement combinational logic circuits.

CO 3

Design and implement sequential logic circuits.

CO 4

Compare the operation of various analog-to-digital and digital-to-analog conversion circuits.

CO 5

Explain the basic concepts of programmable logic devices and VHDL.

File Description	Documents
Upload any additional information	
Paste link for Additional information	file_path=eyJpdiI6Ii8zUGlhdXlHanR4eTgxUzJPZUFMemc9PSIsInZhbHVlIjoiYjFONEtCcExEQ1k1azF4YXR6Ml...
Upload COs for all Programmes (exemplars from Glossary)	

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

Attainment of COs can be measured using direct and indirect assessment tools. They include internal as university examination. The weighted sum of Internal and External CO evaluation indices, are in the ra

The level of attainment of CO is decided at the PAQIC. A sample of the level definition is –

· Level 3 – More than 70% of the students secure more than 60% marks

· Level 2 – Between 60 and 70% of the students secure more than 60% marks

· Level 1 - Between 50 and 60% of the students secure more than 60% marks

· Level 0 - Less than 50% of the students secure more than 60% marks

COcourse=0.8*CODirect+0.2* COIndirect

The CO-PO correlations are mapped at different levels (1/2/3) for each course.

The POs are evaluated as

PO Contribution from a course = (COcourse Attainment Level * Mapping/3)

Po attainment is calculated from the complete contribution of all the courses in the curriculum.

POi = (∑ POi Contribution from Mapped courses)/No of mapped course

The PSO attainment calculations are also very similar to PO attainment calculation.

File Description
Upload any additional information
Paste link for Additional information

2.6.3 - Pass percentage of Students during the year

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

964

File Description
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)
Upload any additional information
Paste link for the annual report

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (result

https://tkmce.ac.in/iqac.php

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution du

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution dur

211.31

File Description
Any additional information
e-copies of the grant award letters for sponsored research projects /endowments
List of endowments / projects with details of grants(Data Template)

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

41

File Description
Any additional information
Institutional data in prescribed format

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

8

File Description
List of research projects and funding details (Data Template)
Any additional information
Supporting document from Funding Agency
Paste link to funding agency website

3.2 - Innovation Ecosystem

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

The institution has a vibrant ecosystem for innovations, Entrepreneurship, Incubation and Startups be: One Idea (ODOI) MSME innovation cluster.

Achievement's of IIC

· Badged in performer brand of ARIIA Ranking 2021

· Awarded 4-star rating by MOE

· 5 lakh grant form IIC, MoE for a student start-up

Achievements of IEDC

· 24 Incubated Start-up have become registered companies

· 23 Start-ups incubated in IEDC but not registered

AICTE-IDEA

- TKMCE among 49 peer institutions pan India that bagged AICTE grant to set up IDEA Lab in 2021.

- Modern facilities will soon replace the traditional mechanical workshop.

- The total project cost is estimated at 82.48 lakh Indian Rupees, 40 percent of which will be funde

TKMCE has been awarded One District One Idea (ODOI) MSME Innovation Cluster for Kollam District. One Strategic Council) provide seed money for the innovation component and technology support for fosteri

File Description
Upload any additional information
Paste link for additional information

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneursh

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepre

13

File Description
Report of the event
Any additional information
List of workshops/seminars during last 5 years (Data Template)

3.3 - Research Publications and Awards

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

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

1

File Description
URL to the research page on HEI website
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)
Any additional information

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

49

File Description
Any additional information
List of research papers by title, author, department, name and year of publication (Data Template)

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conferen

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference

18

File Description
Any additional information
List books and chapters edited volumes/ books published (Data Template)

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic develo

The institute-society bondage is established through several organizations such as NSS, STEPS (Student departments are also participated in various societal outreach programs. The major initiatives are cat

1. Empowerment of school students

· Scholarship Exams

· Vijayabheri

· Talent hunt Competition

· Back to School etc..

2. Medical Camps and Donation camps(Blood/Stem Cell/Hair/Dress etc.)

· Mega Blood Donation camps

· Snehasparsham Medical camp

· AARDRA

· Jeevarekha etc.

3. Swatch Bharath mission

· Green Carpet program

· Swatchta Pakwara

· **Ashramom Cleaning**

· **Ashtamudi Lake Renovation etc.**

4. Support during natural calamities and pandemics

· **Back to Home**

· **Covid Related Initiatives**

· **Flood relief programs**

· **Mission Reconnect**

· **Solar Lamp distribution etc.**

5. Social outreach programs

· **Sukrita 2017**

· **Maathrusanthwanam**

· **Sweekruthi**

· **Varamozhi**

· **Skill acquisition programs etc.**

6. Community initiatives and environment consciousness programs

· **Punarjjani**

· **Water Conservation and Afforestation**

· **Paper pen making**

· **Mangrove restoration**

· **Repairing of Electrical equipments etc.**

7. Deployment/development of socially relevant products

· **Solar Powered Grid Connected Electric Vehicle Charging Station**

· **Automatic Waking Alert System to Keep down road Emergencies**

· **AQUALOOM**

· **Plastic Shredding machine etc.**

File Description
Paste link for additional information
Upload any additional information

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies dur

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bod

96

File Description
Any additional information
Number of awards for extension activities in last 5 year (Data Template)
e-copy of the award letters

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government

24

File Description
Reports of the event organized
Any additional information
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and N

1705

File Description
Report of the event
Any additional information
Number of students participating in extension activities with Govt. or NGO etc (Data Template)

3.5 - Collaboration

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

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

46

File Description
e-copies of related Document
Any additional information
Details of Collaborative activities with institutions/industries for research, Faculty

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corpora

46

File Description
e-Copies of the MoUs with institution./ industry/corporate houses
Any additional information
Details of functional MoUs with institutions of national, international importance, other universities etc during the year

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computir

The institute's infrastructure development aligns with AICTE and UGC norms, ensuring conducive academi
seminar halls and 8 individual studios support departmental activities, while 82 state-of-the-art labo
landscaped areas. Faculty rooms across academic blocks promote student-faculty interactions, fostering
facilities are provided, alongside residential accommodation across 12 blocks. The campus design empha
development, ensuring a holistic educational experience for students.

File Description
Upload any additional information
Paste link for additional information

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

Sports facilities:

● The institution makes sure that there are numerous sporting facilities available for the staff and s
among students and staff toward the role that games and sports play in people's overall well-being. Th
compete in college, intercollegiate, and university-level sporting events. To find and shortlist stude
modern multi equipments where students and staffs can use it for improving their physical and mental l
annually. Students get training in aerobics and basic yoga exercises through different sessions conduc

Facilities for cultural activities: ● For cultural activities the college has an indoor auditorium wit
can accommodate a large audience of 1000 people. ● Seminar halls are also available which can be used

File Description
Upload any additional information
Paste link for additional information

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

73

File Description
Upload any additional information
Paste link for additional information
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

258.56 lakhs

File Description
Upload any additional information
Upload audited utilization statements
Upload Details of budget allocation, excluding salary during the year (Data Template

4.2 - Library as a Learning Resource

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

TKM Central Library and Information Centre spans an area of 16465.27 sq. ft. and follows an Open Acces
journals, magazines, current affairs magazines, etc.), 15,112 e-journals, and 2,10,804 e- Books. The
Software-KOHA. Automation covers the entire gamut of library activities such as acquisition, circulat

Library Services Offered: ● Extended library hours from 9.30 AM to 9 PMfrom Monday to Friday and 10 A
Institutional Repository (intranet access) for faculty publications, project reports, previous questi

Alumni supported Air conditioned learning space for Civil Services Aspirants ● Reprographic and Bookb
● Wi-Fi-enabled library with an air-conditioned digital library of 25 PCs ● Mini discussion space wit

File Description
Upload any additional information
Paste link for Additional Information

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books D

File Description
Upload any additional information
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

13.44 lakhs

File Description
Any additional information
Audited statements of accounts
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)

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

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

651

File Description
Any additional information
Details of library usage by teachers and students

4.3 - IT Infrastructure

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

IT infrastructure has been widely spread across our campus with a very high-speed robust network backl
libraries, and offices are connected to Campus Networking Centre (CNC) through Optical Fibre or CAT 6
network switches in core and distribution areas have SFP port for OFC uplink. Switch Models such as D-

Over 50 numbers of Wi-Fi access points are positioned across the campus to facilitate internet access
Seamless internet access has been given to students through Hotspots and a well-planned Wi-Fi network

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

4.3.2 - Number of Computers

1063

File Description
Upload any additional information
List of Computers

4.3.3 - Bandwidth of internet connection in the Institution

File Description
Upload any additional Information
Details of available bandwidth of internet connection in the Institution

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary compone

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding sala

17.1 Lakhs

File Description
Upload any additional information
Audited statements of accounts
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory

TKM College of Engineering Kollam is actively pursuing continuous improvement to address emerging tech centralized computing and interdisciplinary research facility under the RUSA fund, enhancing research

A new department block for the Architecture branch will elevate it to a center of excellence, incorpo

To address classroom needs, a new classroom complex will be built, and Diamond Jubilee hostels will ca

The Computer Science department will gain a new laboratory with modern systems and software for resear water resources engineering, tribology, composites, material testing, and thermal analysis will be est

Maintenance of existing laboratories will include minor civil works. Additionally, a technology busine AICTE IDEA lab.

File Description
Upload any additional information
Paste link for additional information

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1585

File Description
Upload self attested letter with the list of students sanctioned scholarship
Upload any additional information
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies duri

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agenci

72

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

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

File Description
Link to Institutional website
Any additional information
Details of capability building and skills enhancement initiatives (Data Template)

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

848

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

848

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submiss redressal of the grievances through appropriate committees

File Description
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee
Upload any additional information

Details of student grievances including sexual harassment and ragging cases

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

836

File Description
Self-attested list of students placed
Upload any additional information
Details of student placement during the year (Data Template)

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

28

File Description
Upload supporting data for student/alumni
Any additional information
Details of student progression to higher education

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GM

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT

66

File Description
Upload supporting data for the same
Any additional information

Number of students qualifying in state/ national/ international level examinations during the year (Data Template)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / internatio

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / interna

10

File Description
e-copies of award letters and certificates
Any additional information
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During th

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activ

The College Council serves as the paramount governing body within the institution, composed of represe
within the college community.

The College Union, comprising delegates from each academic discipline and cohort, operates under the
activities within the college. Decisions made by this elected body are reached through consensus, ensu

Moreover, the college actively engages students in societal outreach through initiatives such as the
issues, thereby instilling in students a sense of civic responsibility and altruism.

Extracurricular activities, managed by the Physical Education Department and student clubs, complement
approach underscores the institution's commitment to nurturing well-rounded individuals prepared for

File Description
Paste link for additional information
Upload any additional information

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

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

22

File Description
Report of the event
Upload any additional information
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institut

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and

The Alumni Association, duly registered under the Travancore-Cochin Act on November 20, 2013, operate
person participants alongside virtual attendees.

The Association plays a pivotal role in advancing the institution's objectives through various contri
Kuwait and the UAE. Furthermore, the Association actively supports the college's societal engagement
members across the globe supported generously the campaign to support Suraj Krishna's (3rd-year Compu
3 lakhs.

Moreover, the Association is deeply involved in student mentorship, providing financial backing for b
mater.

File Description
Paste link for additional information
Upload any additional information

5.4.2 - Alumni contribution during the year (INR in Lakhs)

File Description
Upload any additional information

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The institution stands out for its well-defined organizational structure and effective leadership, ens: administration. Chaired by the TKM Trust Chairman, the GB's ex-officio secretary is the college Princ:

Senior leadership actively fosters the academic and administrative growth of faculty members through < faculty undergo comprehensive induction training to prepare them for their roles.

Moreover, the institution has instituted various committees based on statutory recommendations. These its mission, covering aspects such as planning, assessment, quality improvement, research, student af:

File Description
Paste link for additional information
Upload any additional information

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

Our mission and vision focus on decentralizing power and encouraging faculty involvement in instituti

College Planning and Evaluation Committee: This committee implements the Governing Body's (GB) recomme

Institute Level: The Principal, complying with University and AICTE guidelines, oversees academic adm: committees such as IQAC, Examination Cell, Research & IPR Council, and others support the institute's

Department Level: The Head of Department is responsible for academic management with the help of comm:

Participative Leadership in Administration: Administrative assistants oversee general office activiti<

Participative Leadership in Academics: At the institute level, the IQAC, oversees academic activities

Participative Leadership in Student Support Systems: Faculty advisors mentor groups of 35-40 students

File Description
Paste link for additional information
Upload any additional information

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Our institute's strategic development plan focuses on advancing teaching, research, and extension acti

Human Resource Management: Faculty and staff recruitment and pay scalefollows AICTE guidelines and Ke

Industry Interaction and Collaboration: Partnerships with leading universities through MoUs enhance i

Research and Development: The institute supports faculty research through the AICTE QIP initiative, e

Teaching and Learning: Teaching and learning processes are evaluated by course committees and feedbacl
institute seamlessly transitioned to online teaching, using online platforms like Moodle.

Library, ICT, E-Governance: The library provides e-learning resources and journal access. Infrastructu

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

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment a

T.K.M. College of Engineering, situated in Kollam and affiliated with the APJ AKTU, operates as a gove
Principal serves as the key administrator, adhering to various regulatory frameworks including UGC reg

The Principal plays a pivotal role in ensuring accountability and effective management alongside the (
held to address important matters concerning college activities.

Additionally, the Internal Quality Assurance Cell (IQAC) plays a significant role in monitoring and er

File Description	Documents
Paste link for additional information	
Link to Organogram of the institution webpage	

Upload any additional information	

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

File Description
ERP (Enterprise Resource Planning)Document
Screen shots of user inter faces
Any additional information
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institution prioritizes teacher growth and supports staff well-being through comprehensive welfare

Welfare Measures:

Health: Provides life and group insurance, medical reimbursement, maternity leave (180 days), paternit

Education: Offers full-time research opportunities under AICTE's QIP scheme, seed grants for research

Monetary: Includes provident fund, gratuity, pension, family pension, travel concessions (LTC), festiv

Other Benefits: Provides on-campus facilities for counseling, medical services, sports, yoga, a gym, a

Feedback Mechanisms:

Student Evaluation of Teachers: Mid-semester and end-semester feedback collected via the academic man

Class Committee Meetings: These meetings, held at the start of the semester and after internal exams,

Career Advancement Scheme (CAS): Faculty are evaluated for promotion based on academic achievements a

File Description
Paste link for additional information

Upload any additional information

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of pro

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of pr

63

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

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-te

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching

6

File Description
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).
Reports of Academic Staff College or similar centers
Upload any additional information
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Da

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional D

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refr

98

File Description
IQAC report summary
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)
Upload any additional information

Details of teachers attending professional development programmes during the year (Data Template)

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The institution has performance-based appraisal system for the assessment of teaching staff. The appra perforance of the faculty is evaluated based on professional contribution to academics, resaerch, co every year, faculty credentials are collect,analyse and suggests the measures for improvements. Annual seminars, tutorials, course delivery, question paper setting and evaluation, updating of materials et Systems and Strategies to use it for Improvement in Teaching Effectiveness' by Prof. Prem Vrat, AICTE

File Description
Paste link for additional information
Upload any additional information

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits

The institution undergoes three types of financial audits:

1. Internal audit by a Chartered Accountant firm.

2. External Audit by the Directorate of TechnicalEducation, Government of Kerala, Thiruvananthapuram.

3. External Audit by the Office of the Accountant General, Government of India, Thiruvananthapuram. A consultants to give an opinion on taxation and legalissues.

File Description
Paste link for additional information
Upload any additional information

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

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

373.89096

File Description
Annual statements of accounts
Any additional information
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)

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

The college's financial resources come from three key sources: Government, Non-Government, and the TK

1. Government (85-90%): As an aided college, government funds cover salaries for permanent and guest

2. Non-Government (1-3%): This revenue stream includes financial support from alumni, the Parent-Teach

3. TKM College Trust (7-14%): The trust to infrastructure development, software procurement, guest fac

The college follows a structured budget process. The Principal issues a circular to department heads
March 31st each year.

Purchasing is managed through central and departmental purchase committees. They follow a structured
firm, and external audits by the DTE and the Office of the Accountant General, ensuring financial tra

File Description
Paste link for additional information
Upload any additional information

6.5 - Internal Quality Assurance System

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

The Internal Quality Assurance Cell (IQAC), established in 2015, is crucial to institutionalizing qual
representatives, industrialists, and alumni—works collaboratively to enhance educational quality and

The IQAC implements mechanisms for continuous monitoring, efficient documentation, and quality improve
NAAC, NBA, and NIRF. Additionally, it promotes research and academic rigor through collaborations, st

A culture of quality extends to teaching-learning, faculty accomplishments, student placements, and e
this, the Department Quality Assurance Cell (DQAC), a subsidiary of the IQAC, ensures department-leve
facilitates continuous assessments, collects feedback, and implements corrective measures through act

File Description
Paste link for additional information
Upload any additional information

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodi

Each academic semester begins with the development of an academic calendar detailing the schedule for
consolidated by the Senior Advisor, with courses assigned to faculty based on specialization and exper

Faculty members create detailed lesson plans that outline the syllabus, textbooks, reference material:
syllabi, teaching materials, tutorials, and assignments. Detailed laboratory manuals guide practical v

Regular seminars are held to improve student communication and presentation skills. The Department Qua
completion, and assessment standards, taking remedial actions when needed.

Parents and students can track academic progress through Etlab with dedicated login credentials. Stude
providing co-curricular activities to enhance skills and encourage social responsibility. The NPTEL st

File Description
Paste link for additional information
Upload any additional information

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national NBA)

File Description
Paste web link of Annual reports of Institution
Upload e-copies of the accreditations and certifications
Upload any additional information

Upload details of Quality assurance initiatives of the institution (Data Template)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The institution prioritizes gender equity across all aspects:

Faculty Gender Ratio: Achieves exceptional gender balance among faculty members.

Administrative Opportunities: Ensures equal opportunities at the administrative level.

Participation Equality: Promotes equal participation of men and women in arts, sports, clubs, and soc:

Research and Extracurricular Parity: Encourages women's equal participation in research and extracurr:

Facility Equality: Provides equal physical facilities, including hostels and gyms, for men and women.

Gender Justice Forum: Establishes a forum addressing students' mental well-being during the pandemic,

Grievance Redressal: Employs an internal complaints committee with a majority of women members, utili:

Special Schemes for Women:

Sensitization Programs on Gender Equality: Executes an annual gender sensitization plan and conducts a

Physical Facilities for Women: Provides amenities, CCTV surveillance, lady doctor and counsellor serv:

Support Facilities for Women: Establishes a women's club and informal club for interactions and talen

Women's Participation in Extra-Curricular Activities: Encourages participation in IEEE WIE, internatic

File Description
Annual gender sensitization action plan
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young childre

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy   Bioga energy conservation Use of LED bulbs/ power efficient equipment

File Description
Geo tagged Photographs
Any other relevant information

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (wit

- **A Protocol for waste management is implemented in the Institute**

- **Kitchen waste from the hostels and college canteen is treated in the biogas plants in Golden Jubi**

- **Other organic waste generated in the campus is composted and the compost is used for gardening**

- **Colour-coded bins for source segregation of bins**

- **E-waste is stored in a secure facility and is handed over to Centre for Innovation in Science and**

- **Plastic waste is collected and handed over to Haritha karma Sena**

- **Chemical waste is managed according to the protocol in the respective labs**

- **Sanitary napkin is burned in the incinerator placed in the farthest corner of the campus and in i**

- **Use of glass cups and steel plated for reducing plastic waste**

- **Sewage treatment plant in Hostels**

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

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

File Description
Geo tagged photographs / videos of the facilities
Any other relevant information

7.1.5 - Green campus initiatives include

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

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

File Description
Geo tagged photos / videos of the facilities
Various policy documents / decisions circulated for implementation
Any other relevant documents

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

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

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classro including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangja mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading ma

File Description
Geo tagged photographs / videos of the facilities
Policy documents and information brochures on the support to be provided
Details of the Software procured for providing the assistance
Any other relevant information

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural,

The institution admits meritorious students from diverse socioeconomic backgrounds through KEAM. Gover diversity ensures representation from different regions and linguistic backgrounds, with English as th

Socioeconomically disadvantaged students receive fee waivers, concessions, and scholarships. The dress

Cultural diversity flourishes through events like Keli, Ujjvala Bharath, and Ethnic Day, alongside stu hostel management, promoting inclusivity.

File Description
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)
Any other relevant information

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

Established in 1958 by Janab Thangal Kunju Musaliar, TKM College of Engineering is a trailblazer in e through initiatives like the Merit-Cum-Means scholarship, benefiting over 500 students with grants ex

With the largest student intake in Kerala, TKM consistently attracts top talent, aided by its effecti project, recognized by the United Nations.

TKM celebrates academic excellence through events like the annual merit evening, while its Career Guid

Recent milestones, including autonomy status and a commitment to affordable education, underscore ded:
education accessible to all. Through these efforts, TKM College continues to uphold its legacy of exce

File Description
Details of activities that inculcate values; necessary to render students in to responsible citizens
Any other relevant information

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

File Description
Code of ethics policy document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the va
Any other relevant information

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

Celebration of days of National/International commemoration, events and festivals

Commemorative days, events and festivals are observed/celebrated by various clubs and societies. A fev

- International

- International Yoga Day

- International Women's Day

- Men's Day

- World Environment Day

- World Water Day

- Human Rights Day

- **Hiroshima Day**

- **World Health Day**

- **International day of the Girl Child**

- **National**

- **Independence Day**

- **Republic Day**

- **Gandhi Jayanthi**

- **Constitution day**

- **National Unity Day**

- **Children's Day**

- **Engineer's Day**

- **Reading week**

- **Nutrition week**

- **Teacher's Day**

- **NSS Day**

- **National sports day**

- **National cancer awareness day**

- **Festivals**

- **Holi**

- **Onam**

- **Christmas**

File Description
Annual report of the celebrations and commemorative events for the last (During the year)
Geo tagged photographs of some of the events
Any other relevant information

7.2 - Best Practices

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

Best Practice 1: Institute Social Outreach Programs

Objectives: TKMCE's social outreach programs aim to equip students as global citizens by addressing re

Context: With a history of providing aid, TKMCE's Societal Extension Activities Cell tackles societal

Practice: Initiatives include disaster relief and addressing COVID-19 challenges through projects like

Successes: Achievements include MoUs with Rebuild Kerala, international participation, and national a

Challenges and Resources: Time constraints and fundraising challenges exist, yet internal feedback hig

Best Practice 2: Holistic Student Development Programs

Objectives: These programs aim to enhance mental and physical fitness, foster critical thinking, and s

Context: The COVID-19 shift to online learning emphasized the need for holistic development.

Practice: Activities include fitness challenges, counselling sessions, quiz contests, and skill devel

Successes: Increased sports participation, higher placement rates, and positive student feedback show

Challenges and Resources: Adapting to online platforms and academic balance pose challenges, but feed

File Description	Documents

| Best practices in the Institutional website | |
| Any other relevant information | |

7.3 - Institutional Distinctiveness

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

Established in 1958 by Janab Thangal Kunju Musaliar, TKM College of Engineering is a trailblazer in e
through initiatives like the Merit-Cum-Means scholarship, benefiting over 500 students with grants ex

With the largest student intake in Kerala, TKM consistently attracts top talent, aided by its effecti
project, recognized by the United Nations.

TKM celebrates academic excellence through events like the annual merit evening, while its Career Guid

Recent milestones, including autonomy status and a commitment to affordable education, underscore ded
education accessible to all. Through these efforts, TKM College continues to uphold its legacy of exce

| File Description |
| Appropriate web in the Institutional website |
| Any other relevant information |

7.3.2 - Plan of action for the next academic year

1) Renewal of NAAC accreditation to A+ or above 2) Preparation of autonomy curriculum and syllabus 3)
the institution 6) Formation of research advisory groups and alumni relation cells in departments and
for AICTE Margadarsan scheme. 10) Establish a nodal center of virtual lab in association with MHRD Vi