

TKM COLLEGE OF ENGINEERING

(GOVERNMENT AIDED AND AUTONOMOUS)



celebrating 60 years of excellence

MINUTES

7th MEETING OF THE ACADEMIC COUNCIL

15th September 2025

www.tkmce.ac.in



*‘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’*

THE COLLEGE

TKM College of Engineering, the oldest engineering college in the 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 1000 plus students per year in nine UG programs and about 250 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, which was launched in 2012 and the fund utilization is completed in 2023. A total of 12.88 Cr funding was received which was utilized in two phases with 10.05 crore in phase -1 (2012 -17) and remaining during the extended period (phase -2 during 2017-23) and TKM College is the only engineering college which became eligible for RUSA funding.

The college has been selected by the AICTE as the "Margadarshan" Institute for mentoring three neighboring institutions, including two engineering colleges and one polytechnic. Additionally, a Technology Business Incubation Centre, named "SEEDS-97" (Startup Enabled Entrepreneurship Development Centre), was established by the 1997 Alumni batch.

The institution today has become a temple of learning and is equated with excellence in technical education having six 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 57th Governing Body meeting had decided to apply to UGC for autonomous

status. The institution was conferred with autonomous status by the UGC on 26th May 2022, and the same was formally notified by APJ Abdul Kalam Technological University on 2nd September 2022 (U.O.No. KTU/ASST11(ADMIN)/3212/2022). First Governing Body meeting under autonomous status held on 15th September 2022, Second Governing Body meeting was held on 19th August 2023 and Third Governing Body meeting was held on 12th October 2024.

The Higher Education Department of Kerala, through the Kerala Institutional Ranking Framework (KIRF), has recognized TKMCE as one of the top three engineering colleges in the state.

Members of the Academic Council:

Chairperson	Dr. Sadiq A.	Principal
Academicians from outside the college (Nominated by GB)	Sri S. Kasthurirengan	Professor (Retired), IISC, Bangalore
	Sri. P H Kurian	IAS (Rtd)
	Dr. Sameer S. M.	Dean (Academics), NIT Calicut
	Sri. Chandra Koduru	Vice President & Head, India Operations at eClinical Solutions
	Sri. Afsal Musaliar	Managing Director, Supreme Group of Companies, Kollam
	Sri. Anwar Musaliar	Program Manager, Ernst and Young
	Dr. K M Suceendran	Global Head, TCS Academic Interface Program
	Dr. S. Ayoob	Former Pro-Vice Chancellor, APJ Abdul Kalam Technological University, Kerala
	Dr. J. Sreekumar	Former Dean (Academic), APJ Abdul Kalam Technological University, Kerala
University Nominee	Dr. Salim A.	Professor (Rtd), Department of Computer Science and Engineering, Government Engineering College, Thrissur
	Dr. Hari V S	Professor & Head, Department of Electronics & Communication, College of Engineering, Chengannur
Head of the Departments	Dr. Adarsh S	HoD, Civil Engg. Dept.
	Dr. Mohammed Sadikh	HoD, Mechanical Engg. Dept
	Dr. R Sheeba	HoD, Electrical and Electronics Engg. Dept

	Dr. N Nishanth	HoD, Electronics and Communication Engg. Dept
	Dr. A Fazil	HoD, Chemical Engineering Dept
	Dr. Aneesh G Nath	HoD, Computer Science and Engineering Dept
	Dr. Santhosh Kumar K G	HoD, Architecture Dept.
	Prof. Natheera Beevi M	HoD, MCA Dept.
	Dr. Rajesh Kumar T J	HoD, Mathematics Dept.
	Dr. Shemim S S	HoD, Physics Dept.
	Dr. Habeeb Muhammed M A	HoD, Chemistry Dept.
	Dr. Manesh Rasheed	HoD, Physical Education Dept.
	Prof. Ansiya A	HoD, Self-Financing PG Programs
Deans & Controller of Examinations	Dr. Priya K. L	Dean, Research
	Dr. Mathew Scaria	Dean, Academics
	Dr. Rijo Jacob Thomas	Dean, Strategic Planning
	Dr. Shameem Ansar A	Dean, Student Affairs
	Dr. Nissan Kunju	Dean, Industry Connect & Entrepreneurship
	Dr. Manu J. Pillai	Dean, Training & Placement

	Dr. Sudheer A.	Dean, Alumni Affairs & International Collaboration
	Dr. Bijuna Kunju K.	Dean, Administration
	Dr. K.E. Reby Roy	Dean, Corporate Connect & Business Development
	Dr. Ramaswamy K.P.	Dean, Accreditation & Ranking
	Dr. Nizar Hussain M.	Controller of Examinations
Representing Teachers of the College	Prof. Ayyappan K	Vice Principal (Administration), Professor, Department of Architecture
	Dr. Anu V Thomas	Vice Principal (Academics & Research), Professor, Civil Engineering Department
	Dr. Muhammed Mansoor O	Associate Professor, Electrical and Electronics Engg. Dept
	Dr. Anzar S M	Assistant Professor, Electronics and Communication Engg. Dept.
Member Secretary	Dr. Sabeena Beevi K	Head, IQAC

MEMBERS PRESENT

1. Dr. Sadiq A. Principal (Chairperson, AC)
2. Prof S. Kasthuriangan Professor (Retired), IISC, Bangalore
3. Dr. Sameer S. M. Dean (Academics), NIT Calicut
4. Sri. Anwar Musaliar Program Manager, Ernst and Young
5. Dr. S. Ayooob Former Pro-Vice Chancellor, APJ Abdul Kalam Technological University, Kerala
6. Dr. J. Sreekumar Former Dean (Academic), APJ Abdul Kalam Technological University, Kerala
7. Dr. Salim A. Professor (Rtd), Department of Computer Science and Engineering, Government Engineering College, Thrissur
8. Dr. Adarsh S HoD, Civil Engg. Dept.
9. Dr. Mohammed Sadikh HoD, Mechanical Engg. Dept
10. Dr. R Sheeba HoD, Electrical and Electronics Engg. Dept
11. Dr. N Nishanth HoD, Electronics and Communication Engg. Dept
12. Dr. A Fazil HoD, Chemical Engineering Dept
13. Dr. Aneesh G Nath HoD, Computer Science and Engineering Dept
14. Dr. Santhosh Kumar K G HoD, Architecture Dept.
15. Prof. Natheera Beevi M HoD, MCA Dept.
16. Dr. Rajesh Kumar T J HoD, Mathematics Dept.
17. Dr. Shemim S S HoD, Physics Dept.
18. Dr. Habeeb Muhammed M A HoD, Chemistry Dept.
19. Dr. Manesh Rasheed HoD, Physical Education Dept.
20. Dr. Priya K. L Dean, Research
21. Dr. Mathew Scaria Dean, Academics
22. Dr. Rijo Jacob Thomas Dean, Strategic Planning
23. Dr. Shameem Ansar A Dean, Student Affairs
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30. Dr. Nizar Hussain M. Controller of Examinations
31. Prof. Ayyappan K Vice Principal (Administration), Professor, Department of Architecture
32. Dr. Anu V Thomas Vice Principal (Academics & Research), Professor, Civil Engineering Department
33. Dr. Muhammed Mansoor O, Associate Professor, Electrical and Electronics Engg. Dept
34. Dr. Anzar S M Assistant Professor, Electronics and Communication Engg. Dept.
35. Dr. Sabeena Beevi K (Member Secretary), Head, IQAC

AGENDAS OF THE MEETING

Agenda No.	Items
	Part – 1 PROCEDURAL
AC7.1.1	Welcome and introductory remarks by the Chairperson
AC7.1.2	Minutes and Action Taken Report based on the 6th meeting of the Academic Council
	Part – 2 REPORTING / RATIFICATION
AC7.2.1	Ratification of Academic calendar for the academic year 2025-26
AC7.2.2	Revision of CO-PO mapping of B. Tech courses (Odd Semester, AY 2025–26) in line with NBA 2025 SAR format and GAPC 4.0 framework.
	Part – 3 DISCUSSION / APPROVAL
AC7.3.1	Discussion and approval of amendments in the Examination Manual.
AC7.3.2	Discussion and approval of amendments in B. Arch Regulation in 2023 scheme.
AC7.3.3	Discussion and approval of amendments in approved curriculum and syllabi of B. Tech program based on the recommendations of the BOS - Electrical and Electronics Engineering.
AC7.3.4	Discussion and approval of modification of course codes of the fourth semester subjects and MOOC courses of MCA 2023 scheme.
AC7.3.5	Approval of equivalent and transitory courses for students joining in S3 and S4 B. Tech Chemical Engineering curriculum from KTU curriculum.

AC7.3.6	Approval of Board of Examiners for Chemical Engineering and Electrical & Electronics Engineering.
AC7.3.7	Discussion and approval for Equivalent MOOC for B. Tech Minor/ Honor courses for Civil Engineering.
AC7.3.8	Approval of the list of MTech, M. Plan and MCA students for the award of degree.
AC7.3.9	Discussion and approval of award of Post Doctoral Fellowship for Dr. Aneesh G. Nath
AC7.3.10	Common Course Code for the course 'Industrial Safety Engineering'
	Part – 4 ADDITIONAL
AC7.4.1	Any other matter permitted by the Chairperson.
	Closing Remarks

Part – 1 PROCEDURAL

Agenda Item: AC 7.1.1

Welcome and Introductory remarks by the Chairperson

The meeting started with a silent prayer. A moment of silence was observed in memory of Janab Thangal Kunju Musaliar, the founder. The Chairman introduced the new Academicians inducted by the Chairman of the Governing Body and newly inducted Deans and HoDs. He welcomed all honorable members to the Academic Council and presented important events happened in the college after the last Academic Council.

NBA visited our Institution in June 2025 and accredited the UG programs of Electrical and Electronics Engineering, Electrical and Computer Engineering, Electronics and Communication Engineering and Chemical Engineering for three years. 182 students of final and pre-final year qualified for the GATE examination in 2025. Conducted the Course Completion ceremony on Aug 8, 2025 for the passing out students. Prof G Madhavi Latha from IISC Bangalore, who played a pivotal role in the advisory of design and construction of Chenab bridge, was the Chief guest of honor. The Alumni of 1993-98 conducted 'Campus Y Industry Connect Program' for identifying students having entrepreneurial mindset and handhold them to realize minimum 10 start-ups within 3 years. He concluded the introductory remarks by presenting the Examination results of the pass out students of 2024-25 Academic Year and the placement status of the Academic Years 2024-25 & 2025-26, till date.

He also informed that, there will be two agendas taken up as 'Any other matter permitted by the Chairperson' under Part – 4 Additional Agendas, which are included based on the 'Functions of the Academic Council' (as per the Clause 12.4 (d) and (f) of the UGC Regulation 2023, (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges), by the Gazette of India dated 3rd April, 2023. The clauses are:

(d) To recommend to the Governing Body proposals for the institution of new programmes of study.

f) To advise the Governing Body on suggestions(s) pertaining to academic affairs.

Academic Council shall have open discussion on improving the academic system of the institution and come out with suggestions.

Resolution:

(1) The Academic Council noted the presentation and the remarks.

(2) Head of CGPU shall present branch-wise placement statistics to the members.

Agenda Item: AC 7.1.2

Minutes and Action taken report of the 6th meeting of the Academic Council

Minutes of the 6th meeting of the Academic Council and the action taken report are attached as **Annexure-1**, for the approval of the Academic Council.

The minutes and the action taken report may please be approved by the Academic Council.

Resolution:

The Minutes of the 6th meeting of the Academic Council and the action taken report were approved by the Academic Council.

Part – 2 REPORTING / RATIFICATION

Agenda Item: AC 7.2.1

Ratification of Academic calendar for the academic year 2025-26

As the regular classes of the odd semester started in July 2025, the academic calendar for the 2025-26 (Attached as **Annexure-2**) had to be approved by the Chairperson, Academic Council, subject to ratification by the Academic Council.

The approval of the Academic Calendar by the Chairperson may please be ratified by the Academic Council.

Resolution:

The Academic Council ratified the approval of the Academic Calendar 2025-26

Agenda Item: AC 7.2.2

Revision of CO–PO mapping of B. Tech courses (Odd Semester, AY 2025–26) in line with NBA 2025 SAR format and GAPC 4.0 framework.

NBA has revised the program outcomes of engineering and technology programs with 11 POs in their revised format. As part of aligning the autonomous curriculum with the NBA 2025 Self-Assessment Report (SAR) format and GAPC 4.0 framework, all engineering departments have initiated the systematic revision of Course Outcome (CO)–Program Outcome (PO) mapping. The process involves mapping the COs of all courses offered in the odd semester of AY 2025–26 with the 11 POs using Performance Indicators (PIs) to ensure consistency, clarity, and measurable attainment.

Procedure Adopted:

1. Identification of Competencies:

Each of the 11 POs prescribed by the NBA was broken down into a set of

competencies. These competencies were carefully defined to reflect measurable student outcomes.

2. Development of Performance Indicators (PIs):

Each competency was further detailed into Performance Indicators, which specify observable and measurable student behaviors. The PIs provide granular descriptors to assess whether a competency has been achieved.

3. CO Formulation:

Course Outcomes were framed using Bloom's taxonomy action verbs to ensure measurability. For each course, COs were designed to reflect the intended learning outcomes, domain knowledge, and practical skills relevant to the discipline.

5. CO-PO Mapping through PIs:

Each CO was directly mapped to the relevant PI codes under the respective POs.

6. The course outcomes will be mapped with program outcomes on a scale of three.

The same procedure will be followed for the even semester courses before the next semester. After completing the mapping process systematically, the draft report will be submitted to the Curriculum Committee for review. The CO-PO, PSO mapping, thus developed and recommended by the Curriculum Committee will be further circulated to the Academic Council for approval.

The Academic council may please note the procedure.

Resolution:

- (1) The Council noted the procedure for the revision of CO-PO and PSO mapping as per the NBA 2025 SAR format and GAPC 4.0 framework.
- (2) The mappings developed and recommended by the Curriculum Committee be circulated for Academic Council approval.

Part – 3 DISCUSSION / APPROVAL

Agenda Item: AC 7.3.1

Discussion and approval of amendments in the Examination Manual.

Currently, the examination manual does not include the guidelines for the examination audit.

A committee was constituted to formulate a draft guideline for auditing the examination system, that includes both academic processes and financial aspects. The committee chaired by Dr. Anu V. Thomas (Vice Principal- Academics & Research) with Prof. Poornima Kurup and Dr. Nissan Kunju as members, prepared the draft guidelines. This was further vetted by a committee coordinated by Dr. Femina A. with Prof. Baiju R. Naina and Dr. Deepak D as members.

The revised guidelines, incorporating the modifications suggested by the vetting committee, is attached as **Annexure – 3**.

The Academic Council may please discuss and approve the draft audit guidelines and permit to amend the examination manual by including the same.

Resolution:

- (1) The Academic Council resolved to approve the draft guidelines for auditing the examination system, with a modification that an external statutory auditor shall be included in the audit committee to specifically review the financial aspects.
- (2) Further resolved to amend the examination manual by including the guidelines with the said modification.

Agenda Item: AC 7.3.2

Discussion and approval of amendments in B. Arch Regulation in 2023

scheme

The curriculum committee of the Department of Architecture proposed modifications in their regulations of B.Arch. 2023 Scheme.

The Clauses where revisions have been proposed are specified as below:

1. Clause 23R3.5

The following sentence is not required in the clause. (The workload of a faculty member shall be the actual number of hours engaged by the faculty member.) Hence removed from the clause.

2. Clause 23R3.5.2

The sentence, “The delivery methods include Theory-only, Theory with tutorial, Theory with Practicals including drawing, Architectural Design **projects**, seminar etc.”

To be corrected as: The delivery methods include Theory-only, Theory with tutorial, Theory with Practical including drawing, Architectural Design **studio**, seminar etc

3. Clause 23R3.7

BUILDING SCIENCE AND APPLIED ENGINEERING (BS)

Building Construction Courses: Building Materials and Construction Techniques, and Working Drawing.

To be corrected as:

BUILDING SCIENCE AND APPLIED ENGINEERING (BS)

Building Construction Courses: Building Materials and Construction Techniques, **Climate and Built Form**, and Working Drawing.

The Course ‘Climate and Built Form’ is included under Building Construction courses as it aids building design and construction.

4. Clause 23R3.7.5

The sentence “....undergo six months of internship, or one semester of approximately 16 working weeks in a reputed architectural firm with no less than five years of existence, under a registered architect in the seventh semester. The organization for Internship shall be selected/decided by the students in consultation with the senior faculty advisor”.

To be corrected as: undergo six months of internship, or one semester of approximately 16 working weeks, in the seventh semester, in a reputed architectural firm with no less than five years of existence, **under a registered architect with at least five years of practice after registration with CoA.** The organization for Internship shall be selected/decided by the students in consultation with the senior faculty advisor.

5. Clause23R3.10

MOOC: The MOOCs shall be considered only if it is conducted by the agencies like AICTE/NPTEL/SWAYAM or NITTTR and it should have a proctored/offline end semester examination.

To be corrected as: MOOC: The MOOCs shall be considered only if it is conducted by the agencies like AICTE/NPTEL/SWAYAM or NITTTR and it should have a proctored **online** /offline end semester examination.

6. Clause23R8.1.2

Critical Analysis, Material Study/ Market Survey is included in Group V along with Practical Training.

Seminar has Continuous Internal Assessment only (100% marks for CIA).

Group	Course	CIA	IJ/EJ	ESE
I	Basic Design /Architectural Design	50%	50%	Nil
II	Theory cum studio/Drawing	50%	Nil	50%
III	Theory Courses	40%	Nil	60%
IV	Workshop/Practical/Lab	100 %	Nil	Nil
V	i) Thesis and Viva-voce	50%	50%	Scheme of assessment given separately
	ii) Internship or Practical Training	Nil	100%	
	iii) Critical Analysis, Material Study/ Market Survey	Nil	100%	
	iii) Seminar	<u>100%</u>	<u>Nil</u>	

7. Clause 23R8.2.1

In Group V(iii) Seminar, Scheme of valuation, the sentence “.... Final jury

evaluation 60% (conducted by the institute). Pass minimum Progress evaluations and final jury evaluation.....Those students who fail to obtain 50% must work further and appear again for the final assessment on a specified date.

To be corrected as: ... Final **review** evaluation 60% Progress evaluations and final **review** evaluation Those students who fail to obtain 50% must work further and appear again for the final assessment on a specified date, **before the thesis jury examination of the 10th semester.**

8. Clause 23R8.3

Roll up Documents for Jury: All Assignments of Basic Design/ Architectural Design in the form of a portfolio and other relevant documents as instructed by the institution shall be submitted as Roll up Documents on the previous working day prior to the commencement of the Jury within the scheduled time in order to be eligible for appearing for the Jury. Students who fail to submit within the scheduled time shall be penalized appropriately, with submission permitted until the start of the jury examination and **fine can range from a minimum of Rupees One thousand to a maximum of Rupees Five Thousand**, as decided by the DMC (Department Management Committee).

Panels of Examiners: The Chairperson shall appoint panels of two examiners; each consists of one Internal Examiner and one External Examiner. All examiners shall have valid CoA registration and a minimum of five years of experience after the registration with CoA.

To be corrected as: The Chairperson shall appoint panels of two examiners; each consisting of one Internal Examiner and one External Examiner **or both can be Internal Examiners**. All examiners shall have valid CoA registration and **external examiners shall have** a minimum of five years of experience after the registration with CoA.

9. Clause 23R8.3.1

Result published: The result of the Basic Design/Architectural Design course should be published as Passed/Failed/Failed due to Eligibility Criteria/Absent.

The result of the Candidates who have appeared for Regular Jury and satisfied the minimum pass requirements for the course to be declared as 'Passed'.

The result of the Candidates who have appeared for Regular Jury and not satisfied the minimum pass requirements for the course to be declared as

‘Failed’.

The students who got minimum required CIA marks but have failed to submit the rolled-up documents on time may also be declared as ‘Failed’.

The result of the candidates not being eligible to register for regular Jury due to the eligibility criteria of procuring 40% for Continuous Internal Assessment but satisfied all other requirements of the eligibility criteria is to be declared as ‘Failed due to less CIA’.

To be corrected as: Result published: The result of the Basic Design/Architectural Design course should be published on **the next day of jury**, as Passed/Failed/Failed due to less CIA/Absent.

a. The result of the Candidates who have appeared for Regular Jury and satisfied the minimum pass requirements for the course to be declared as ‘Passed’.

b. The result of the Candidates who have appeared for Regular Jury and not satisfied the minimum pass requirements for the course (**50%, for CIA and Final Jury examination marks put together**) to be declared as ‘Failed’.

c. The students who got minimum required CIA marks but have failed to submit the rolled-up documents on time to be declared as ‘Failed’.

d. The result of the candidates not being eligible to register for regular Jury due to **not satisfying** the eligibility criteria of procuring 40% for Continuous Internal Assessment but satisfied all other requirements of the eligibility criteria is to be declared as ‘Failed due to less CIA’.

e. The result of the candidates eligible to appear for the regular jury and submitted roll up documents on time but have not appeared for the Jury due to Medical Reason or any other valid reason with the consent of the Principal/HoD will be declared as ‘Absent.’

10. Clause 23R8.12

Sessional improvement can be availed after the first chance of the regular of the ESE of the respective semester by those

To be corrected as: Sessional improvement through Course Repeat **for courses other than Basic Design and Architectural Design** can be availed after the first chance of the regular ESE of the respective semester by those

11. Clause 23R16.1

Award of Degree: Upon satisfying all the conditions noted in **23R8.9**, Institution shall recommend to the **affiliated** university for awarding the B.Arch degree to such students. **Affiliated** University is the authority for awarding the degree certificate.

To be corrected as: Award of Degree: Upon satisfying all the conditions noted in **23R8.9**, Institution shall recommend to the affiliating university for awarding the B.Arch degree to such students. Affiliating University is the authority for awarding the degree certificate.

The detailed Regulation is given in **Annexure-4**

BoS Architecture recommended these proposals for the approval of the Academic Council.

The Academic Council may please discuss and approve the recommendations and effect the same in the regulation of B.Arch. 2023 Scheme.

Resolution:

The Academic Council resolved to approve the proposed amendments in the B. Arch Regulation (2023 Scheme) as recommended by the Curriculum Committee.

Agenda Item: AC 7.3.3

Discussion and approval of amendments in approved curriculum and syllabi of B. Tech program based on the recommendations of the BoS - Electrical and Electronics Engineering.

The amendments recommended by the BoS EEE are:

a). Slot Change – 24EST322 (ESC) Basic Engineering Mechanics in Third Semester

The course 24EST322 (ESC) – Basic Engineering Mechanics (2024 Curriculum) is a common course in the third semester under I slot. However, in the EEE curriculum, it has been placed under the K slot.

In order to maintain uniformity across all branches, it is proposed to interchange the subjects in the I and K slots of the third semester for EEE, so that 24EST322 (ESC) Basic Engineering Mechanics is aligned under the I slot.

The Academic Council may please approve the slot change.

b). **Minor changes have been incorporated into the syllabus content for the following courses:**

- (1) 24ESP307 System Simulation and Virtual Instrumentation Lab (2024 Curriculum)
- (2) 24ERI625 Cyber Security (2024 and 2023 Curriculum)

(1) As part of the Electrical and Computer Engineering Curriculum (2024), a minor revision has been made to the syllabus of the third semester course, 24ESP307 – System Simulation and Virtual Instrumentation Lab. The updated syllabus now includes the open-source simulation platform Scilab, in addition to MATLAB/Simulink. Scilab, along with its graphical modeling tool Xcos, offers capabilities similar to MATLAB/Simulink, enabling students to perform simulations using an open-source alternative.

(2) As part of the Electrical and Computer Engineering Curriculum (2024 and 2023 Curriculum), a minor revision has been made to the syllabus of the sixth semester course, 24ERI625– Cyber Security (industry elective).

Detailed syllabus is provided in **Annexure-5**.

The Academic Council may please approve the recommended changes in the syllabus of 24ESP307 System Simulation and Virtual Instrumentation Lab (2024 Curriculum), and 24ERI625 Cyber Security for Electrical and Computer Engineering (2024 and 2023 Curriculum).

Resolution:

The Academic Council resolved to approve the amendments in the curriculum and syllabi of Electrical and Electronics Engineering as recommended by the BOS.

Agenda Item: AC 7.3.4

Discussion and approval of modification of course codes of the fourth

semester subjects and MOOC of MCA 2023 scheme.

Curriculum Committee of the MCA Department proposed the modification of course codes of the fourth semester courses and MOOC of their 2023 scheme.

The previous MCA S4 course coding (template) is given as below:

23MCAN302 Main Project (Research Project/Internship),

23MCAS304 Seminar/Technical Writing,

23MCAC304 Mandatory MOOC Course,

The codes of courses were not reflecting the corresponding semester number. Hence these are modified as given below:

23MCAN402 Main Project (Research Project/Internships)

23MCAS404 Seminar/Technical Writing

23MCAC4XXX Mandatory MOOC.

The corrected course codes of S4 MCA courses and the approved MOOC course list are given as **Annexure - 6**

The Academic Council may please approve the recommended changes in the course code

Resolution:

The Academic Council resolved to approve the recommended changes in the course code for MOOC of MCA 2023 Scheme.

Agenda Item: AC 7.3.5

Approval of equivalent and transitory courses for students joining in S3 and S4 B. Tech Chemical Engineering from KTU curriculum.

The Curriculum Committee of the Chemical Engineering Department has proposed the equivalent and transitory courses for the students joining the programme from 2019 scheme/2022 scheme of KTU to 2023 Autonomous Scheme of B. Tech curriculum, as follows:

Course Code	Course Name (2023 Scheme)	Credit	An equivalent course of 2019 scheme of KTU/2022 scheme adopted by TKM CE	Credit	Recommendation
S3					
23MAT 301	Probability Distribution and Complex Analysis	4	Partial Differential Equation and Complex Analysis	4	Equivalent
23EST362	Overview of Chemical Industries	2	Chemical Technology (S6)	2	Equivalent
23CHJ303	Sustainable Development and Pollution Control	5	Chemical Technology & Environmental Engineering Lab + Sustainable Engineering ((Theory-S3)	2	Equivalent
23CHP304	Chemistry for Process Engineers	4	Chemistry for Process Engineering - 22CHT302	4	Equivalent
23CHT305	Material & Energy Balance Computations	3	Chemical Process Principles	4	Equivalent
23HUT310	Life Skills and Professional Ethics	3	Professional Ethics (S3) Life Skills(S1)	2	Equivalent
23CHT307	Process Safety				Study the course Additionally
S4					
23CHT401	Chemical Engineering Thermodynamics	4	Chemical Engineering Thermodynamics	4	Equivalent
23CHT402	Numerical Methods for Chemical Engineers	3	Probability, Statistics and Numerical Methods	4	Equivalent

23CHP403	Fluid & Particle Mechanics	4	Fluid and Particle Mechanics (S3)	4	Equivalent
23CHJ404	Heat Transfer Operations	5	Heat Transfer Operations + Heat Transfer Lab((S5)	4	Equivalent
23HUT465	Entrepreneurship and Startups	3	----		Study the course Additionally
23MCT406	Environmental Sciences	3	Sustainable Engineering (S3) + Environmental Engineering. (S5)	2	Equivalent
23CHT407	Piping and Instrumentation Fundamental	2	----	----	Study the course Additionally

The BoS – Chemical Engineering considered the proposal and recommended the same to the Academic Council for approval.

The Academic Council may please approve the recommendations.

Resolution:

The Academic Council resolved to approve the equivalent and transitory courses for students joining in S3 and S4 B. Tech Chemical Engineering, as recommended by the BoS – Chemical Engineering.

Agenda Item: AC 7.3.6

Approval of Board of Examiners for Chemical Engineering and, Electrical & Electronics Engineering

i. Chemical Engineering

Chairman of BoS Chemical Engineering recommended to add the following examiners to their panel of Board of Examiners:

S1 No	Name	Qualification	Designation
1	SHAN S	M.Tech	Asst. Professor
2	DR. NEERAJ V S.	PhD	Asst. Professor Adhoc

3	ROJIN GEO RAJU	MS	Asst. Professor Adhoc
4	JAMSHEER K T	M.Tech	Asst. Professor Adhoc
5	ADARSH S MOHAN	M.Tech	Asst. Professor Adhoc

BoS considered the proposals and recommended the same to the Academic Council for approval.

ii. **Electrical and Electronics Engineering**

BoS Electrical & Electronics Engineering recommended a list of members for their Board of Examiners (given in **Annexure-7**).

The Academic Council may please approve the recommendations from the BoS – Chemical Engineering and BoS-Electrical & Electronics Engineering.

Resolution:

The Academic Council resolved to approve the recommendations from the BoS – Chemical Engineering and BoS-Electrical & Electronics Engineering for the Board of Examiners.

Agenda Item: AC 7.3.7

Discussion and approval for Equivalent MOOC for B. Tech Minor/ Honor courses for Civil Engineering.

The BoS - Civil Engineering proposed to add the following MOOC for their S5 and S7 B. Tech Honors (2023 and 2024 Schemes).

S l . N o .	B.Te ch Reg ulati on	Ho no urs Ba ske t	Disci pline	Course Name	SME Name	Instit ute	Offeri ng platfor m and ID	Du rat ion	UG /PG	Remark
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1	2024 Scheme	Ba ske t-2	Civil Engin eering	Advance d Soil Mechanic s	Prof. Sreedee p S.	IIT Guwa hati	NPTE L/SW AYA M noc25_ ce02	12 We eks	UG /PG	Replacement of S7 Honours 24CEH729 Advanced Soil Mechanics
2	2023 Scheme	Ba ske t-2	Civil Engin eering	Advance d Soil Mechanic s	Prof. Sreedee p S.	IIT Guwa hati	NPTE L/SW AYA M noc25_ ce02	12 We eks	UG /PG	Replacement of S7 Honours 23CEH729 Advanced Soil Mechanics
3	2024 Scheme	Ba ske t-2	Civil Engin eering	Pavement Construct ion Technolo gy	Prof. Rajan Choudhary	IIT Guwa hati	NPTE L/SW AYA M noc25- ce75	12 We eks	UG /PG	Replacement of S5Honours 24CEH529 Pavement Construction and Management

The Academic Council may kindly approve the recommended MOOC.

Resolution:

The Academic Council resolved to approve the MOOC Courses for B Tech Minor and Honor for UG Civil Engineering.

Agenda Item: AC 7.3.8

Approval of the list of M. Tech, M. Plan and MCA students for the award of degree

The Controller of Examinations has submitted the list of students who are eligible for the degree in M. Tech, M. Plan and MCA programs. The list is attached as **Annexure-8**.

The Academic Council may please approve the list and recommend these students to the APJ Abdul Kalam Technological University, Kerala, for the award of their degree and issue certificates.

Resolution:

The Academic Council resolved to recommend the list of M. Tech, M. Plan and MCA

students to APJ Abdul Kalam Technological University for the award of degree and issue certificates.

Agenda Item: AC 7.3.9

Discussion and approval of award of Post Doctoral Fellowship for Dr. Aneesh G. Nath

The Research Council, in its meeting held on 20/08/2025, reviewed the proposal for awarding Post-Doctoral Fellowship (PDF) to Dr. Anesh G. Nath, who has successfully completed his research work under the mentorship of Dr. Baiju V., faculty in the Department of Mechanical Engineering, TKMCE. The Council has further confirmed that Dr. Anesh G. Nath has fulfilled the minimum requirements prescribed for the award of the PDF and hence recommended to place it in the academic council for their approval.

Minutes of the research council meeting is attached herewith as, **Annexure - 9**

The Academic Council may please discuss the matter and approve the recommendation of the research council to award PDF to Dr. Aneesh G Nath.

Resolution:

The Academic Council approved the recommendation of the research committee to award PDF to Dr Aneesh G Nath.

Agenda Item: AC 7.3.10

Common Course Code for the course 'Industrial Safety Engineering'

The course 22MNC 704 – Industrial Safety Engineering, offered in the 7th Semester (2022 Scheme), is common to the B. Tech programmes in:

- Chemical Engineering
- Electrical Engineering
- Electrical and Computer Engineering
- Electronics Engineering
- Mechanical Engineering

However, the subject code was not defined for the above programmes, except for B. Tech in Chemical Engineering, though the syllabus content is the same. The 5th meeting of the Academic Council had approved the code *22MNC 704 for this course based on the recommendation from the BoS - Chemical Engineering.*

Approval may be granted to use the same course code '22MNC 704' for the course 'Industrial Safety Engineering' in all other UG programmes also.

Resolution:

The Academic Council resolved to approve the course code 22MNC704 for the course 'Industrial Safety Engineering' in all other UG programmes also.

Part – 4 ADDITIONAL AGENDAS

Any other matter permitted by the Chairperson:

Agenda Item: AC 7.4.1

Request for approval of initiating a new programme, Integrated MCA.

The Chairman of the Board of studies – MCA, Prof. Natheera Beevi M (Head of the Department of MCA) submitted a detailed project report to introduce the new program, **Integrated MCA** in their Department. The report is given as **Annexure – 10.**

As per the Clause 12.4 (d) of the UGC Regulation 2023, (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges), by Gazette dated 3rd April, 2023, the functions of the Academic Council include, 'recommend to the Governing Body the proposals for the institution of new programmes of study.' Hence it is presented before the Academic Council for recommending the starting of the new programme, Integrated MCA.

The Academic Council may please discuss the matter and recommend it to the Governing Body for their approval.

Resolution:

The Academic Council, after considering the proposal, recommended the introduction of the new program, Integrated MCA, to the Governing Body for approval.

Agenda Item: AC 7.4.2

Deliberations on improving various academic aspects of the college.

As empowered under Clause 12.4(f) of the UGC Regulation 2023 (Conferment of Autonomous Status Upon Colleges and Measures for Maintenance of Standards in Autonomous Colleges), as notified in the Gazette of India dated 3rd April 2023, the Academic Council has the responsibility to propose measures to improve various academic aspects of the autonomous institution.

In this context, the Chairman welcomed the members and invited for discussions on initiatives to strengthen academic and research standards in the institution.

Deliberations:

Dr. SM Sameer

- Suggested presenting the status of the NIRF ranking along with other major institutional achievements in the opening remarks of Council meetings.
- Recommended setting benchmarks for various NIRF criteria to systematically improve academic and research outcomes.
- Emphasized the need for a five-year vision plan, with clearly defined missions and a structured action plan for phased implementation.
- Highlighted the importance of encouraging projects and facilitating their conversion into patents.

Dr. S. Kasthuriengan

- Stressed the significance of embedding research within the curriculum.

- Expressed appreciation for the involvement of Mechanical Engineering students in the research projects and such culture shall be extended to other students too.
- Recommended that the institution actively pursue research funding opportunities from the DST and other relevant agencies.

Mr. Anwar Musaliar

- Proposed that a comprehensive vision document be prepared and placed before the Academic Council to seek expert insights and validation.

Dr. S. Ayoob

- Strengthening the role of the Boards of Studies in contributing innovative academic ideas. Preparation of a long-term institutional vision document.

Dr. J. Sreekumar

- Introduction of institution-specific MOOCs, with at least one MOOC to be developed by each department within one academic year. The college shall develop additional facilities to support experts in developing MOOC.

Dr. KP Ramaswamy

- The activities of CQAR shall be energized so that the academic quality can be further improved with an aim of getting placed in higher band of NIRF ranking.

Dr. KL Priya

- Networking and connectivity among researchers beyond college can help developing greater research outcomes.

Dr. SM Anzar

- Steps to be taken for greater awareness about patents and its importance to students
- Internship of students shall be made more serious through more structured assessment process.

Actionable Points

1. The status of NIRF ranking and major institutional achievements shall be included in the opening remarks of future Academic Council meetings.
2. The Council endorsed the development of a five-year vision plan with targeted missions and an implementation roadmap. Dean strategic planning shall coordinate the process.
3. The departments shall define specific actions for promoting research, projects and patent generation.
4. The institution shall actively explore and apply for research funding from national agencies (DST and others).
5. A vision document shall be drafted and presented before the Academic Council for review.
6. Each Departments shall be directed to develop at least one institution-specific MOOC within a year.
7. The Boards of Studies shall be strengthened to play a proactive role in academic innovations.

Resolution

The council resolved that an exclusive academic council shall be convened to deliberate on the actionable points presented by heads of various departments and Deans, and bring out recommendations for institutional development.

Conclusion

The Chairman thanked all members for their valuable suggestions and assured that the recommendations would be taken forward for effective implementation.

The meeting ended by 1.15 pm.