

THIAGARAJAR COLLEGE OF ENGINEERING: MADURAI 625 015
(An Autonomous Institution Affiliated to Anna University)

MINUTES OF THE SIXTY SIXTH MEETING OF ACADEMIC COUNCIL

The Sixty Sixth meeting of the Academic Council was held on 16 December 2023 Saturday at 10.30 AM in Online Mode under the Chairmanship of Dr. M. Palaninatha Raja, Principal i/c. The following members were present.

1.	Dr. D.K.Subramanian	Former Professor, Indian Institute of Science, Bengaluru
2.	Dr. S.Mary Saira Banu	Professor, National Institute of Technology, Tiruchirapalli
3.	Dr. S.Sidhardhan	Principal, Government College of Engineering, Tirunelveli
4.	Dr.S.J. Thiruvengadam	Dean (Academic Process) and Member Secretary
5.	Dr.S.Chandran	Dean (Students)
6.	Dr. R.Velkennedy	Dean (Extracurricular Activities)
7.	Dr.S.Rajaram	Registrar and Head, Dept, of ECE
8.	Dr. K.Sudalaimani	Head, Dept. of Civil Engineering
9.	Dr .G.K. Raajesh	Dean (Industry Institute Interface)
10.	Dr .A.Valan Arasu	Head, Dept. of Mechanical Engineering
11.	Dr. C.K.Babulal	Head, Dept. of Electrical and Electronics Engineering
12.	Dr. S.Mercy Shalinie	Dean (MIS) and Head, Dept. of CSE
13.	Dr. C.Deisy	Head, Dept. of Information Technology
14.	Dr. S.Jeyabharathi	Head, Dept. of Mathematics
15.	Dr. G.Kanagaraj	Professor, Dept. of Mechatronics
16.	Dr. S.Parthasarathy	Head, Dept. of AMCS
17.	Dr. S.Muthuramalingam	Controller of Examinations
18.	Dr. V.R.Venkatasubramani	Associate Professor, Dept. of Electronics & Commn. Engg.
19.	Dr. B.Subbulakshmi	Assistant Professor, Dept. of Computer Science and Engg.
20.	Dr. S.Vijayalakshmi	Professor, Dept. of Computer Applications
21.	Dr. A.Malini	Associate Professor, Department of CSBS
22.	Dr. I.Chandramathy	Professor, Dept. of Architecture
23.	Dr. C.Jeyamala	Associate Professor, Department of IT
24.	Dr. B.Ashok Kumar	Associate Professor, Department of EEE
25.	Dr. D.Anitha	Assistant Professor (SG), Department of AMCS.
26.	Ms.S.Pudumalar	Assistant Professor, Department of IT
27.	Dr.M.S.Govardhanan	Asst. Professor, Department of Mechanical Engineering

The following members had expressed their inability to attend the meeting due to their pre-occupation.

1.	Dr. S. Sridharan	Department of Information Science and Technology, CEG Campus, Anna University, Chennai
2.	Dr. Raviprakash Salagame	Board Member & Director for Global Industry Program, IUCEE
3.	Mr. M.V. Ramana Murthy	Director & Head, R&D Operations, Ericsson R&D, Bengaluru
4.	Dr.N.Vedachalam	ISRO Distinguished Professor, ISRO, Thiruvananthapuram
5.	Dr.S.Baskar	Dean (Research and Development)
6.	Dr.P.Chitra	Head, Department of Computer Applications
7.	Dr. Jinu Loushidha Kitchley	Head, Department of Architecture

The Agenda for the meeting:

- To consider the business brought forward by the Boards of Studies and by the Standing Committee of the Academic Council.
- To discuss any other matter pertaining to the academic activities of the college.

66.01 To confirm the minutes of the 65th meeting of the Academic Council held on 27th May 2023.

Resolved to confirm the minutes of the 65th meeting of the Academic Council held on 27th May 2023 as there were no comments on the minutes.

66.02 To review the action taken on the Minutes of the 65th meeting of the Academic Council held on 27 May 2023

The Chairman presented the actions taken on the suggestions made during the 65th meeting of the Academic Council. The Council resolved to ratify the actions taken as presented.

66.03 To consider the recommendations of the Board of Studies of Civil Engineering to introduce industry supported courses for B.E.(Civil Engineering) Degree Programme as given in Annexure-A.

Resolved to approve the introduction of the industry supported courses for B.E (Civil Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

66.04 To consider the recommendations of the Board of Studies of Civil Engineering to introduce the course 23SE270 Non-Destructive Testing and Dynamics Laboratory for M.E. (Structural Engineering) Degree Programme as given in Annexure-B.

Resolved to approve the detailed syllabus for the course 23SE270 Non-Destructive Testing and Dynamics Laboratory for M.E. (Structural Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

66.05 To consider the recommendations of the Board of Studies of Civil Engineering to introduce syllabus for Part Time B.E. (Civil Engineering) Degree programme as given in Annexure-C.

Resolved to approve the detailed syllabus for Part Time B.E. (Civil Engineering) Degree programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

66.06 To consider the recommendations of the Board of Studies of Mechanical Engineering to introduce an elective courses for B.E.(Mechanical Engineering) Degree Programme and minor courses for B.E./B.Tech. Degree Programmes as given in Annexure-D.

Resolved to approve the detailed syllabus of the elective courses for B.E.(Mechanical Engineering) Degree Programme and minor courses for B.E./B.Tech. Degree Programmes as presented in the Academic Council.

This comes into effect for the students admitted in the academic year 2021-22.

- 66.07 To consider the recommendations of the Board of Studies of Mechanical Engineering to introduce elective courses and industry supported courses for B.E.(Mechanical Engineering) Degree Programme and minor courses for B.E./B.Tech. Degree Programmes as given in Annexure–E.

Resolved to approve the detailed syllabus of the elective courses and industry supported courses for B.E.(Mechanical Engineering) Degree Programme and minor courses for B.E./B.Tech. Degree Programmes as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23.

- 66.08 To consider the recommendations of the Board of Studies of Mechanical Engineering to introduce the syllabus for Part Time B.E. (Mechanical Engineering) Degree Programme as given in Annexure–F.

Resolved to approve the detailed syllabus of for Part Time B.E. (Mechanical Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24.

- 66.09 To consider the recommendations of the Board of Studies of Electrical and Electronics Engineering to introduce industry supported courses '22EE1B0 ASIC Design for UDSM nodes, 22EE1C0 Industrial Drives and Automation, 22EE1D0 Smart Grid for Transmission and Distribution Systems', for B.E(Electrical and Electronics Engineering) Degree Programme as given in Annexure–G.

Resolved to approve the industry supported courses '22EE1B0 ASIC Design for UDSM nodes, 22EE1C0 Industrial Drives and Automation, 22EE1D0 Smart Grid for Transmission and Distribution Systems', for B.E(Electrical and Electronics Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23.

- 66.10 To consider the recommendations of the Board of Studies of Electrical and Electronics Engineering to introduce syllabus for Part Time B.E. (Electrical and Electronics Engineering) Degree Programme as given in Annexure–H.

Resolved to approve the syllabus for Part Time B.E. (Electrical and Electronics Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24.

- 66.11 To consider the recommendations of the Board of Studies of Electronics and Communication Engineering to introduce elective courses for B.E. (Electronics and Communication Engineering) Degree Programme as given in Annexure-I

Resolved to approve the syllabus for elective courses for B.E. (Electronics and Communication Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23.

- 66.12 To consider the recommendations of the Board of Studies of Electronics and Communication Engineering to introduce the course 23EC270 Python Programming for B.E. (Electronics and Communication Engineering) Degree Programme as given in Annexure-J.

Resolved to approve the syllabus for 23EC270 Python Programming for B.E. (Electronics and Communication Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

- 66.13 To consider the recommendations of the Board of Studies of Computer Science and Engineering to introduce elective courses for B.E.(Computer Science and Engineering) Degree Programme as given in Annexure-K.

Resolved to approve the syllabus for elective courses for B.E.(Computer Science and Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22 onwards.

- 66.14 To consider the recommendations of the Board of Studies of Computer Science and Engineering to introduce elective courses for B.E. (Computer Science and Engineering) Degree Programme as given in Annexure-L.

Resolved to approve the syllabus for elective courses for B.E.(Computer Science and Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.15 To consider the recommendations of the Board of Studies of Computer Science and Engineering to introduce industry supported courses 21CS1R0 Enterprise Application Development and 21CS1S0 Virtualization Essentials for B.E. (Computer Science and Engineering) Degree Programme as given in Annexure-M.

Resolved to approve the syllabus for industry supported courses 21CS1R0 Enterprise Application Development and 21CS1S0 Virtualization Essentials for B.E. (Computer Science and Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted in the academic year 2021-22 onwards.

- 66.16 To consider the recommendations of the Board of Studies of Computer Science and Engineering to introduce the Categorization of Courses, Scheduling of Courses, Scheme of Examinations and Syllabus for B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning) Degree Programme as given in Annexure–N.

Resolved to approve the Categorization of Courses, Scheduling of Courses, Scheme of Examinations and Syllabus for B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2024-25 onwards.

- 66.17 To consider the recommendations of the Board of Studies of Information Technology to revise the Scheduling of Courses and introduce elective courses for B.Tech.(Information Technology) Degree Programme as given in Annexure–O.

Resolved to approve the revision of the Scheduling of Courses and introduction of elective courses for B.Tech.(Information Technology) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.18 To consider the recommendations of the Board of Studies of Information Technology to revise the syllabus of the course 22IT610 Engineering Economics and Financial Accounting for B.Tech.(Information Technology) Degree Programme as given in Annexure–P.

Resolved to approve the revision of the course 22IT610 Engineering Economics and Financial Accounting for B.Tech.(Information Technology) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.19 To consider the recommendations of the Board of Studies of Information Technology to revise the course 22IT221 Operating Systems for B.Tech.(Information Technology) as given in Annexure–Q.

Resolved to approve the revision of the course 22IT221 Operating Systems for B.Tech.(Information Technology) as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

- 66.20 To consider the recommendations of the Board of Studies of Mechatronics to introduce the syllabus for Sixth and Seventh Semesters of B.E. (Mechatronics) Degree Programme as given in Annexure–R.

Resolved to approve the syllabus for Sixth and Seventh Semesters of B.E. (Mechatronics) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.21 To consider the recommendations of the Board of Studies of Mechatronics to introduce the programme elective and engineering science elective courses for B.E. (Mechatronics) Degree Programme as given in Annexure–S.

Resolved to approve the syllabus for programme elective and engineering science elective courses for B.E. (Mechatronics) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22 onwards.

- 66.22 To consider the recommendations of the Board of Studies of Mechatronics to introduce industry supported courses 21MT1D0 Smart Air Mobility and 21MT2E0 Reliability for Mechatronics Systems for B.E. (Mechatronics) Degree Programme as given in Annexure–T.

Resolved to approve the syllabus for industry supported courses 21MT1D0 Smart Air Mobility and 21MT2E0 Reliability for Mechatronics Systems for B.E. (Mechatronics) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22.

- 66.23 To consider the recommendations of the Board of Studies of Computer Science and Business Systems to introduce elective courses for B.Tech. (Computer Science and Business Systems) Degree Programme as given in Annexure –U.

Resolved to approve the syllabus for elective courses for B.Tech. (Computer Science and Business Systems) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2020-21 onwards.

- 66.24 To consider the recommendations of the Board of Studies of Computer Science and Business Systems to introduce elective courses for B.Tech. (Computer Science and Business Systems) Degree Programme as given in Annexure –V.

Resolved to approve the syllabus for elective courses for B.Tech. (Computer Science and Business Systems) Degree Programme as presented in the Academic Council.

This comes into effect for students admitted from the academic year 2021-22 onwards.

- 66.25 To consider the recommendations of the Board of Studies of Architecture to introduce the courses 21AR251 Digital Visualization, 21AR511 Building Science and Management Systems and 21ARPK1 Lighting Design for Work Environment for B.Arch. Degree Programme as given in Annexure –W.

Resolved to approve the syllabus for courses 21AR251 Digital Visualization, 21AR511 Building Science and Management Systems and 21ARPK1 Lighting Design for Work Environment for B.Arch. Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22 onwards.

- 66.26 To consider the recommendations of the Board of Studies of Architecture to introduce the industry supported course 21AR2A0 Valuation of Land and Buildings and 21AR2B0 Designing Buildings for Greater Efficiency for B.Arch. Degree Programme as given in Annexure –X.

Resolved to approve the syllabus for industry supported course 21AR2A0 Valuation of Land and Buildings and 21AR2B0 Designing Buildings for Greater Efficiency for B.Arch. Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22 onwards.

- 66.27 To consider the recommendations of the Board of Studies of Architecture to introduce the audit courses for M.Arch. Degree Programme as given in Annexure –Y.

Resolved to approve the syllabus of audit courses for M.Arch. Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.28 To consider the recommendations of the Board of Studies of Science and Humanities to introduce the courses for PhD Degree Programme in English as given in Annexure- Z.

Resolved to approve the syllabus for the courses for Ph.D Degree Programme of Science and Humanities as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

- 66.29 To consider the recommendations of the Board of Studies of Science and Humanities to introduce the courses for PhD Degree Programme in Chemistry as given in Annexure- AA.

Resolved to approve the syllabus for the courses for PhD Degree Programme in Chemistry as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2023-24 onwards.

- 66.30 To consider the recommendations of the Board of Studies of Computer Applications to introduce industry supported courses 22CA1A0 Mobile Application Development and 22CA2A0 Full Stack Application Development for Master of Computer Applications Degree Programme as given in Annexure- AB.

Resolved to approve the syllabus for the industry supported courses 22CA1A0 Mobile Application Development and 22CA2A0 Full Stack Application Development for Master of Computer Applications Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23 onwards.

- 66.31 To consider the recommendations of the Board of Studies of Electrical and Electronics Engineering to introduce General Elective courses for B.E., and B.Tech. Degree Programmes as given in Annexure-AC.

Resolved to approve the syllabus for the General Elective courses for B.E., and B.Tech. Degree Programmes as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2022-23.

- 66.32 To consider the recommendations of the Board of Studies of Electrical and Electronics Engineering to revise the assessment pattern for elective courses for B.E.(Electrical and Electronics Engineering) Degree Programme as given in Annexure-AD.

Resolved to approve the revision the assessment pattern for elective courses for B.E.(Electrical and Electronics Engineering) Degree Programme as presented in the Academic Council.

This comes into effect for the students admitted from the academic year 2021-22.

IV Any other matter

During the academic council meeting, the members had suggested the following points:

- For Theory cum practical course on 'Python Programming' of B.E. Electronics and Communication Engineering Degree Programme, weightages for theory component may be included in terminal examinations.
- In the proposed B.E. Computer Science and Engineering (AI &ML), the theory course "Reinforcement Learning" is offered in sixth semester and laboratory course on "Reinforcement Learning" is offered in seventh semester. It shall be properly aligned to offer in the same semester.

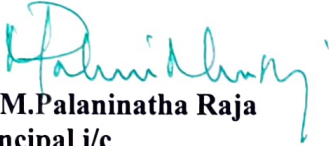
- Syllabus for the course ‘Social Network Analysis’ shall be reduced for B.E./B.Tech. Degree Programme with Minor in Data Science
- The title for Research Methodology Course for Science and Humanities shall be revised.
- The syllabus submission template for Academic Council meetings should be uniform across the programmes and departments.

Prepared by:



Dr.S.J. Thiruvengadam
Dean (Academic Process)

Approved by:



Dr.M.Palaninatha Raja
Principal i/c