

K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM- 630612

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Ninth Academic Council meeting

Date: 8.2.2025, Time:11:00.am

Agenda

Welcome Address & Brief about the achievements of the college	Dr.A.V.Ramprasad, Principal
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E. Mechanical Engg. program (R2024)	Dr.P.Udhaya Kumar, BoS Chairman
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E.EEE program (R2024)	Dr.S.M.Kannan, BoS Chairman
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E.ECE program (R2024)	Dr.V.Kejalakshmi,BoS Chairman
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E.CSE program (R2024)	Dr.S.Miruna Joe Amali, HoD/CSE
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.Tech.IT program (R2024)	Dr.P.Ganesh Kumar, HoD/IT Chairman BoS/ Computer Science and Engineering and Information Technology
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.Tech.AIDS program (R2024)	Dr.S.Suresh Raja, HoD / AIDS
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E. CSE(CS) program (R2024)	Dr.J.S.Kanchana, HoD/CSE(CS)
Presentation of Curriculum of III & IV semesters and syllabus of III semester of B.E. CSE(IoT) program (R2024)	Mrs.A.Meena, ASP,CSE(IoT)
Presentation of Minor changes in MCA Curriculum (R2024)	Dr.MR.Ilango, Director/MCA
Online courses for credit transfer and Value added courses	Dr.S.Nagammai, Head/Academics
Vote of Thanks	Dr.S.Nagammai, Member Secretary/ Academic Council

PRINCIPAL

K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM- 630612**Sivagangai District**

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Ref: KLNCE/Autonomous/Academic Council /2025

08.02.2025

Ninth Academic Council meeting held on 8th February 2025**Members Present****Date: 08.02.2025, Time:11:00 AM**

S. No.	Name of the member	Category
1.	Dr.A.V.Ramprasad , Principal	Chairman
2.	Dr.B.Thanasekhar Professor,Department of Computer Technology MIT Campus, Anna University, Chennai 600044	Anna University Nominee
3.	Dr.B.Manimegalai Professor,Department of ECE Thiagarajar College of Engineering Madurai-625015	Anna University Nominee
4.	Dr.P.Subha Karuvelam Professor,Department of EEE Government College of Engineering Tirunelveli -627007	Anna University Nominee
5.	Dr.Ramanathan Muthuganapathy Professor,Department of Engineering design, Indian Institute of Technology Madras(IITM) Chennai – 600 036	Academician
6.	Dr.Sriram Kumar Professor,Department of Electronics and Communication Engineering, National Institute of Technology, Trichy – 620015	Academician
7.	Dr.P.Udhaya Kumar	Chairman BoS/ Department of Mechanical Engineering
8.	Dr.S.M.Kannan	Chairman BoS /Department of Electrical and Electronics Engineering
9.	Dr.V.Kejalakshmi	Chairman BoS /Department of Electronics and Communication Engineering
10.	Mrs.G.Rajeswari	AP /Department of Computer Science and Engineering
11.	Dr.P.Ganesh Kumar	Chairman BoS/ Computer Science and Engineering and Information Technology/ HoD- IT
12.	Dr.S.Nagammai	Member Secretary & Head Academics

13.	Dr.S.Suresh Raja	HoD/ Department of Artificial Intelligence & Data Science
14.	Dr.J.S.Kanchana	HoD / Department of Computer Science and Engineering (Cyber Security)
15.	Mrs.A.Meena	ASP/ Department of Computer Science and Engineering (IoT)
16.	Dr.J.K.Subashini	Chairman BoS/Science & Humanities HoD/ Mathematics
17.	Dr.T.Jothimurugan	Chairman BoS/ Department of Master of Business Administration
18.	Dr.M.R.Ilango	Director/Department of Master of Computer Applications
19.	Dr.P.R. Vijayalakshmi	Controller of Examinations
20.	Prof.N.V.Karthikeyan	HOD/Physics
21.	Prof. O. D. Shakila	HOD/Chemistry
22.	Mr. R. Somaskandan	ASP/MCA -Faculty Nominee
23.	Dr. N.R. Ramanujam	ASP/Physics -Faculty Nominee
24.	Mrs.S.Venkatalakshmi	ASP / CSE -Faculty Nominee

Minutes of Ninth Academic Council Meeting

The Chairman, Academic Council, welcomed the members of the Academic Council. The chairman reviewed regulation R2024 and amendments made in R2020. He briefed the Agenda of the Ninth Academic Council meeting and the minutes of the Standing Committee meeting held on 3rd January 2025, based on the inputs from all Board of Studies (BoS) meetings held during December 2024 to January 2025.

ACM 09.01: Business brought forwarded by the Chairman, Academic Council:

To approve the online courses for credit transfer for the even semester of the Academic Year 2024-2025 and to approve the additional value added courses

Resolved to approve the list of online courses for credit transfer and Value Added Courses

ACM 09.02: Business brought forwarded by the Board of Studies:

ACM 09.02.01 DME: Department of Mechanical Engineering

To consider and approve R2024 - Curriculum of III & IV semesters and Syllabus of III semester of B.E Mechanical Engineering Degree Program as passed in the BOS meeting held on 23.01.2025.

Resolved to approve the above for B.E Mechanical Engineering Degree Program

ACM 09.02.02 DEE : Department of Electrical and Electronics Engineering

To consider and approve R2024 - Curriculum of III & IV semesters and Syllabus of III semester of B.E Electrical and Electronics Engineering Degree Program as passed in the BOS meeting held on 10.01.2025.

The following suggestions are given by Nominees and Experts:

1. To include one Tutorial period for the course “Electromagnetic theory”.
2. To shift the study experiment on BLDC motor to any of the laboratory courses given in the later semesters of the curriculum.

The suggestions are incorporated in the curriculum.

Resolved to approve the above for B.E. Electrical and Electronics Engineering Degree Program

ACM 09.02.03 DEC : Department of Electronics and Communication Engineering

To consider and approve R2024 - Curriculum of III & IV semesters and Syllabus of III semester of B.E Electronics and Communication Engineering Degree Program as passed in the BOS meeting held on 09.12.2024.

The following suggestions are given by Nominees and Experts:

To split the Theory cum Practical course- “Object Oriented programming and Data Structures” into two different courses

The course “Data Structures using C” as Theory cum Practical with LTPC of 2-0-4-4 is given as core course in III semester and incorporated in the curriculum.

Resolved to approve the above for B.E. Electronics and Communication Engineering Degree Program

ACM 09.02.04 DCS: Department of CSE/IT/AIDS/CSE(CS)/CSE(IoT)

To consider and approve

- i. R2024 – Curriculum of III & IV semesters and Syllabus of III semester of B.E Computer Science and Engineering Degree Program.
- ii. R2024 – Curriculum of III & IV semesters and Syllabus of III semester of B.Tech Information Technology Degree Program.

- iii. R2024 – Curriculum of III & IV semesters and Syllabus of III semester of B.Tech Artificial Intelligence and Data Science Degree Program.
- iv. R2024 – Curriculum of III & IV semesters and Syllabus of III semester of B.E Computer Science and Engineering (CS) Degree Program.
- v. R2024 – Curriculum of III & IV semesters and Syllabus of III semester B.E Computer Science and Engineering (IoT) Degree Program

as passed in the BOS meeting held on 25.01.2025.

The following suggestions are given by Nominees and Experts:

- 1. To include program specific courses in the second year curriculum, relevant to specialization for CSE (CS) program
- 2. To shift the course “Foundation of Data Science” to later semesters for CSE, IT and CSE(CS) programs
- 3. To change the title of the course “Digital principles and System Design” (DPSD).
- 4. To change the title of unit 3 & unit 4 of the course “Data Structures and Algorithms” as ‘Trees and applications’ & as ‘Graphs and applications’ and to include the concepts of Algorithms in the syllabus.

Item No.1 – The program specific courses namely “Cyber Security Essentials” is included in the third semester and “Modern Cryptography” in the fourth semester curriculum for CSE (CS) program.

Item No.2 - The title of the course “Digital principles and System Design” (DPSD) is changed to “Fundamentals of Digital Principles” with L T P C of 3 0 2 4.

Item No.3 – The course “Foundation of Data Science” is included in the elective for CSE, IT and CSE (CS) programs

Item No 4 - In the course “Data Structures and Algorithms” Unit 3 & 4 are combined as one unit and titled as ‘Trees & Graphs’ and the concepts of algorithms is included in Unit-5.

All the above items are incorporated in the curriculum.

Resolved to approve all the above for B.E CSE, B.Tech IT, B.Tech AIDS, B.E CSE (CS) B.E CSE (IoT) Degree Programmes

ACM 09.02.05. DMCA: Department of Master of Computer Applications

To consider and approve the following changes in MCA curriculum as passed in the BOS meeting held on 25.01.2025.

Employability Enhancement Course “Mini project” with LTPC 0-0-2-1 is included in the third semester curriculum hence the total credit is increased from 84 to 85.

Resolved to approve the above for Master of Computer Applications Degree Program

The following suggestions are also given by Nominees and Experts:

1. To list maximum of 2 books as textbooks and remaining books as Reference books for all courses.
2. To have a **LTPC** structure for Aptitude and soft skills II and Aptitude and soft skills III course as **0-0-2-1**.
3. To remove prerequisite for all courses across all programs
4. To mention hours for Tutorial component separately in the syllabus of courses having tutorial component.

The Chairman replied that the above suggestions will be incorporated suitably.

Dr. S.Nagammai, Head/Academics proposed vote of thanks and the meeting came to an end at 1.30 pm.



Signature of the Chairman

Cc to ACM members, Director/Academic Courses.
Cc to CoE, BoSChairman & HoDs
Cc to file

ANNEXURE-I

List of Online Courses

List of recommended Online Courses for credit transfer during AY 2024-25

B.E. - Mechanical Engineering

S.No	Course Title
1	Product Design and Manufacturing
2	Usability Engineering
3	Understanding Incubation and Entrepreneurship
4	Finite Element Modeling Of Welding Processes
5	Mechanics Of Fiber Reinforced Polymer Composite Structures
6	Advanced Machining Processes
7	Turbulent Combustion: Theory and Modeling
8	Robotics: Basics and Selected Advanced Concepts
9	Machinery Fault Diagnosis And Signal Processing
10	Fundamentals of Combustion

B.E. - Electrical and Electronics Engineering

S.No	Course title
1.	Computer-Aided Design of Electrical Machines
2.	EV - Vehicle Dynamics and Electric Motor Drives
3.	Facts Devices
4.	Fuzzy Sets, Logic and Systems & Applications
5.	Operation and Planning Of Power Distribution Systems
6.	Power Quality
7.	Power Quality Improvement Technique
8.	Recent Advances in Transmission Insulators
9.	Smart Grid: Basics to Advanced Technologies
10.	Transducers for Instrumentation
11.	Cloud Computing
12.	Cloud Computing and Distributed Systems
13.	Data Science for Engineers
14.	Embedded System Design with ARM
15.	Embedded Systems Design
16.	Introduction to Embedded System Design
17.	Introduction To Internet Of Things
18.	Introduction to Machine Learning
19.	Introduction to Machine Learning (Tamil)
20.	Introduction To Soft Computing

B.E. - Electronics & Communication Engineering

S.No	COURSE TITLE
1	Cloud Computing
2	Data Analytics with Python
3	Deep Learning
4	Digital Design with Verilog
5	Embedded Systems Design
6	Introduction to Embedded System Design
7	Introduction To Industry 4.0 And Industrial Internet Of Things
8	Introduction To Internet Of Things
9	Machine Learning for Engineering and science applications
10	Programming In Java
11	VLSI Physical Design
12	Computer Vision And Image Processing - Fundamentals And Applications
13	Embedded Sensing, Actuation and Interfacing Systems
14	Optical Wireless Communications for Beyond 5G Networks and IoT

B.E. - Computer Science and Engineering, B.E. - Computer Science and Engineering (Cyber Security), B.E. - Computer Science and Engineering (IoT)**B.Tech. – Information Technology & B.Tech. – Artificial Intelligence & Data Science**

S.No	COURSE TITLE
1	Block chain and its Applications
2	Reinforcement Learning
3	Privacy and Security in Online Social Media
4	Natural Language Processing
5	Deep Learning - IIT Ropar
6	Modern Computer Vision
7	Games and Information
8	Social Networks
9	Deep Learning for Natural Language Processing
10	Secure Computation: Part I
11	Affective Computing
12	Cloud Computing
13	GPU Architectures and Programming
14	Getting started with competitive programming
15	Design & Implantation of Human- computer Interfaces
16	Business Intelligence & Analytics

ANNEXURE-II**List of Value added Courses**

S.No.	Title of the Course
1.	3D Printing Technology
2.	Java Architecting for the Modern Application
3.	Data Analytics for IoT
4.	Sustainability and ESG
5.	Java Architecting for the Modern Application
6.	AWS Cloud Certification Program
7.	Autonomous Robot-ROS
8.	Augmented Reality and Virtual Reality

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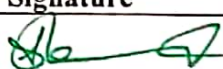
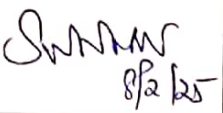
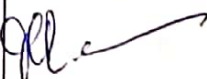
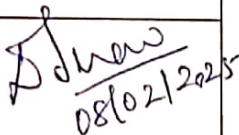
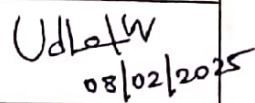
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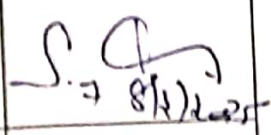
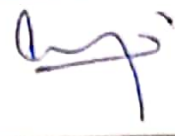
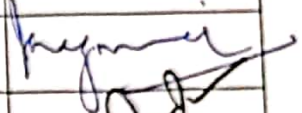
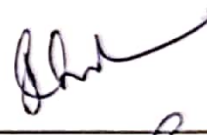
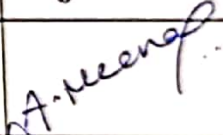
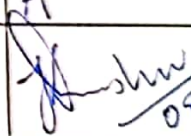
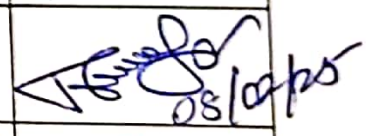
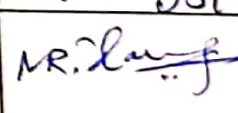
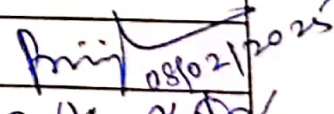
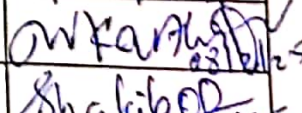
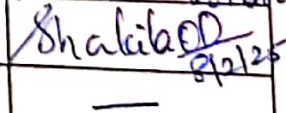
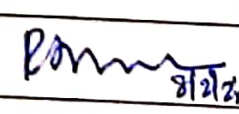
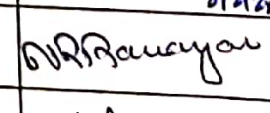
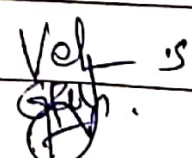
08.02.2025

Ninth Academic Council meeting held on 8th February 2025

Members Present

Date: 08.02.2025, Time:11:00 AM

S. No.	Name of the member	Category	Signature
1.	Dr.A.V.Ramprasad, Principal	Chairperson	
2.	Dr.B.Thanasekhar Professor, Department of Computer Technology MIT Campus, Anna University, Chennai 600044	Anna University Nominee	
3.	Dr.B.Manimegalai Professor, Department of ECE Thiagarajar College of Engineering Madurai-625015	Anna University Nominee	
4.	Dr.P.Subha Karuvelam Professor, Department of EEE Government College of Engineering Tirunelveli -627007	Anna University Nominee	
5.	Dr.Ramanathan Muthuganapathy, Professor, Department of Engineering design, Indian Institute of Technology Madras(IITM) Chennai – 600 036	Academician	
6.	Dr.Sriram Kumar, Professor, Department of ECE, National Institute of Technology, Trichy – 620015	Academician	
7.	Dr. B.Karthikeyan, Project Director, HRSAT Contellation, Scientist/Engineer- SG UR Rao Satellite Centre, Department of Space, Government of India, Bangalore – 560017	Research Organization	—
8.	Mr. T.Venkateswaran, Principal Architect, Schneider Electric Private Limited, Tower- C, 63/3B, BGRT, Whitefield Ashram Road, Hobli, Bidarahalli, Gorvigere Village, Bengaluru, Karnataka – 560067	Industrialist	—
9.	Dr.P.Udhaya Kumar	Chairman BoS/ Department of Mechanical Engineering	

10.	Dr.S.M.Kannan	Chairman BoS / Department of Electrical and Electronics Engineering	
11.	Dr.V.Kejalakshmi	Chairman BoS / Department of Electronics and Communication Engineering	
12.	Dr.S.Miruna Joe Amali	HoD / Department of Computer Science and Engineering	—
13.	Dr.P.Ganesh Kumar	Chairman BoS/ Computer Science and Engineering and Information Technology (HoD/IT)	
14.	Dr.S.Nagammai	Member Secretary & Head/Academics	
15.	Dr.S.Suresh Raja	HoD / Artificial Intelligence and Data Science	
16.	Dr.J.S.Kanchana	HoD/ Department of Computer Science and Engineering (CS)	
17.	Mrs.A.Meena	HoD /i/c/ Department of Computer Science and Engineering	
18.	Dr.J.K.Subashini	Chairman BoS/ Science & Humanities (HoD/ Mathematics)	 08/02/25
19.	Dr.T.Jothimurugan	Chairman BoS/ Department of Master of Business Administration	 08/02/25
20.	Dr.M.R.Ilango	Chairman BoS/Department of Master of Computer Applications	
21.	Dr.P.R. Vijayalakshmi	Controller of Examinations	 08/02/2025
22.	Prof.N.V.Karthikeyan	HOD/Physics	 08/02/25
23.	Prof. O. D. Shakila	HOD/Chemistry	 08/02/25
24.	Dr.A.Raviekkumar	HOD/English	—
25.	Dr.K.Gnanambal	Professor /EEE Faculty Nominee	—
26.	Mr. R. Somas Kandan	ASP/MCA Faculty Nominee	 08/02/25
27.	Dr. N.R. Ramanujam	ASP/Physics Faculty Nominee	
28.	Mrs.S.Venkatalakshmi	AP / CSE Faculty Nominee	
29.	Mrs. G. Rajeswari	AP / CSE	