

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















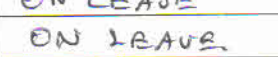


Sivagangai District

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

Ref:KLNCE/BoS/EEE/2023

29.12.2023

Sixth Board of Studies meeting-29.12.2023**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****Attendance sheet**

MEMBERS PRESENT:			Signature
1.	Dr.S.M.Kannan,Professor&Head, Department of Electrical and Electronics Engineering. K.L.N. College of Engineering.	Chairman	
2.	Dr.R.Rajanprakash, Associate Professor/EEE, Thiagarajar College of Engineering, Madurai	Expert nominated by the Vice-Chancellor, Anna University, Chennai	
3.	Dr.S.SenthilKumar, Associate Professor/EEE, National Institute of Technology,Tiruchirapalli-	Subject experts from outside the Parent University	
4.	Dr. S.Kuruseelan, Associate Professor/EEE, School of Electrical Engineering(SELECT), Vellore Institute of Technology,Chennai.		
5.	Mr.B.M.Balachandar, Principal Architect, Cognizant Technology Solutions, Chennai.	Representative from corporate sector	
6.	B.Vinoth,Manager, Peninsula Electronics,Bangalore	College alumni nominated by the Principal.	
7.	Dr.S.Venkatesan,Professor,EEE	Internal members	
8.	Dr.K.Gnanambal, Professor,EEE		
9.	Dr.S.Parthasarathy,Professor,EEE		
10.	Dr.S.Venkatanarayanan,Professor,EEE		
11.	Mr.A.Marimuthu, Associate Professor/EEE		
12.	Dr.P.Loganthurai,Associate Professor/EEE		
13.	Dr.M.Jegadeesan, Associate Professor/EEE		
14.	Dr.S.Manoharan, Assistant Professor(Sr.Gr) /EEE		
15.	Dr.M.GaneshKumari, Assistant Professor(Sr.Gr) /EEE		
16.	Mr.M.Jeyamurugan, Assistant Professor(Sr.Gr) /EEE		
17.	Mr.R.JeyapandiPrathap, Assistant Professor/EEE		
18.	Mr.M.Balamurugan, Assistant Professor/EEE		
19.	Mr.N.VimalRadhaVignesh, Assistant Professor/EEE		ON LEAVE
20.	Mr.A.Manoj, Assistant Professor/EEE		ON LEAVE
21.	Mr.R.Thangasankaran.,Assistant Professor/EEE		

Dr.S.M.Kannan, Chairman, Board of studies (BoS), Electrical and Electronics Engineering, welcomed all the members present. He introduced BoS members. The internal members introduced themselves.

Chairman, briefed on the minutes of the fifth Board of Studies meeting held on 16th February 2023. During the meeting, the members approved the following, after incorporating the suggestions given by them.

BoS.05.01.01.:

B.E.-Electrical and Electronics Engineering program curriculum - V to VIII semesters and syllabus of V-VI semesters-to be followed from the Academic year 2023-2024. (For those students admitted during the academic years, 2021-2022, 2022-2023 and 2023-2024), including professional electives as verticals, as per the Regulations of Anna University 2021.

BoS.05.01.02. Online courses for credit transfer.

The minutes of the fifth Board of Studies meeting held on 16th February 2023, were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the Sixth Academic council meeting held on 6th April 2023.

BoS 06.01: Business brought forwarded by the Chairman, BoS.

To consider and approve

1. **BoS.06.01.01.:** B.E.-Electrical and Electronics Engineering program-curriculum and syllabus - VII to VIII semesters (Regulation 2020) - to be approved and followed from the Academic year 2024-2025. (for those students admitted during 2021-2022, 2022-2023, 2023-2024).
2. **BoS.06.01.02.** Regulation 2024 – an overview. B.E. - Electrical and Electronics Engineering program curriculum - Regulation 2024 - I to VIII semesters and syllabus of I to II semesters of B.E.-EEE, Syllabus of Basic Electrical and Electronics Engineering course offered to B.E. Mechanical Engineering, B.E.CSE, B.E.-CSE (Cyber Security), B.E.-CSE (IoT), B.Tech – IT, B.Tech - AI&DS - to be approved and followed from the Academic year 2024-2025. (for those students to be admitted from the academic year 2024-2025 onwards).
3. **BoS.06.01.03** Online courses for credit transfer.
4. **BoS.06.01.04** M.E. - Power Systems Engineering program curriculum and syllabus - I to IV semesters (Regulation 2024) - to be approved and followed from the Academic year 2024-2025. (For those students to be admitted from the academic year 2024-2025 onwards).

Dr.S.M.Kannan, Chairman, presented the proposed, B.E. Electrical and Electronics Engineering, curriculum and syllabus, VII-VIII semesters (R2020). He informed that the curriculum was framed as per the guidelines of AICTE and Anna University, Chennai. The detailed syllabus includes the pre-requisites, objectives, six course outcomes, one of which should be at least apply level (for core courses), recent publications of text and reference books. Most of the courses are already approved in the previous BoS meeting as per R2020, only few professional electives are to be approved, he informed.

The Chairman presented the domain based verticals as given below.

Vertical-I	Vertical-II	Vertical-III	Vertical-IV	Vertical-V	Vertical-VI
Modern Power System Engineering	Power Electronics Converters and Drives	Electric Vehicle Technology	Embedded Systems and Controllers	Advanced Control Systems Engineering	Diversified Courses

The Chairman, presented the proposed, B.E. Electrical and Electronics Engineering, curriculum, I-VIII semesters (R2024), and syllabus of I to II semesters of B.E.-EEE, Syllabus of Basic Electrical and Electronics Engineering course offered to B.E. Mechanical Engineering, B.E.CSE, B.E.-CSE (Cyber Security), B.E.-CSE (IoT), B.Tech – IT, B.Tech – AI&DS - to be followed from the Academic year 2024-2025. (For those students to be admitted during 2024-2025). He informed that the curriculum was framed as per the guidelines of AICTE and Anna University, Chennai.

The Chairman presented Online courses for credit transfer, for the Academic year 2023-2024. (Even semester). These online courses are selected from the SWAYAM NPTEL portal, with 4/8/12 weeks duration. Each week carries one credit, for the transfer of one professional elective, students to earn minimum three credits, he informed. Options of credit transfer may be, one full 12 week course or combination of 4/8 week courses, related to the field of Electrical and Electronics Engineering and allied areas.

The Chairman also presented the I to IV semester curriculum and syllabus of M.E. Power Systems Engineering, to be followed from the academic year 2024-2025 (Regulations 2024) onwards. He said that the curriculum and syllabus framed by Anna University in 2021, mostly followed with few changes.

The members had through discussion and suggested the following.

I. B.E. Electrical and Electronics Engineering - VII-VIII semester curriculum and Syllabus Regulation 2020.

1. The course, Mini project-II, to be offered in the VII semester to be the continuation of the course offered in Mini project- I in the curriculum of VI semester.
2. For the course offered in VII semester, Mini project-II, the Objectives and the outcomes of courses should be clearly stated.
3. In the Professional Elective course, High Voltage Engineering, analyse level course outcomes may be avoided, as the contents are mostly of theoretical concepts.
4. For the professional Elective course, Power Electronics for Renewable energy systems, the course contents may be revised. Recent books on Renewable energy may be included.
5. Recent publications of the text/reference books are suggested.

II. B.E. Electrical and Electronics Engineering - I-VIII semester curriculum - Regulation 2024.

1. Curriculum with six theory courses and two Practical courses is heavy in II semester level - Suggest to shift Python programming laboratory to third semester. (chairman informed that as this course is common for all II semester B.E. /B.Tech programmes it is retained in the II semester)
2. In the semester-IV, the course Transmission and Distribution may be retained, instead of Introduction to Smart Grid. Suggest to include one unit namely Smart Grid in the syllabus.
3. The title of the courses may not be given as introduction / foundations / fundamentals.
4. Outcomes of Mini project- I, II may be clearly stated - Topics like PCB assembling and manufacturing, soldering practices may be included in the course content.
5. In the Semester-V - curriculum, The title of the course "Microcontrollers and Advanced processor" may be renamed as "Microprocessor, Microcontroller and Advanced Processors". In the practical course, the title may be given as "Microprocessor and Microcontroller Laboratory".
6. In the VIII semester curriculum, guidelines for doing internship shall be stated.
7. Overall Minimum/Maximum credits to be verified with respect to AICTE and Anna University norms. (With reference to Anna University curriculum of B.E. - EEE - Regulation 2021, the total credit assigned is 168).

8. The course name, Mini project may be revised. It may be Design Thinking Laboratory or Project Design Thinking laboratory. Also, minimum 15 theory hours to be allotted in this subject towards project selection, project methodology, data collection, literature survey, etc.
9. For professional elective courses, write COs in higher order Cognitive level.
10. The practical course name, "Power Electronics and Drives Laboratory" may be revised as "Power Electronics laboratory", since Solid State Drives/Electric Drives is not included in core curriculum.


The Chairman informed that the suggestions of the members are suitably incorporated; the same will be presented in the academic council for approval.

BoS.06.01.: Resolved to approve

1. **BoS.06.01.01. B.E. - Electrical and Electronics Engineering program-curriculum and syllabus - VII to VIII semesters (Regulation 2020) - to be followed from the Academic year 2024-2025. (for those students admitted during 2021-2022, 2022-2023, 2023-2024).**
2. **BoS.06.01.02. B.E. - Electrical and Electronics Engineering program curriculum - Regulation 2024 - I to VIII semesters and syllabus of - I to II semesters of B.E. - EEE, Syllabus of Basic Electrical and Electronics Engineering course offered to B.E. Mechanical Engineering, B.E.CSE, B.E.-CSE (Cyber Security), B.E.-CSE (IoT), B.Tech-IT, B.Tech-AI&DS - to be approved and followed from the Academic year 2024-2025. (For those students to be admitted from the academic year 2024-2025 onwards).**
3. **BoS.06.01.03. Online courses for credit transfer.**
4. **BoS.06.01.04. M.E. - Power Systems Engineering program curriculum and syllabus - I to IV semesters (Regulation 2024) - to be approved and followed from the Academic year 2024-2025. (For those students to be admitted from the academic year 2024-2025 onwards).**

Board of studies recommended the above resolutions to be presented in the **Academic Council for further approval.**

Dr.K.Gnanambal, Professor/EEE, thanked all the members for their kind cooperation and the meeting came to an end.

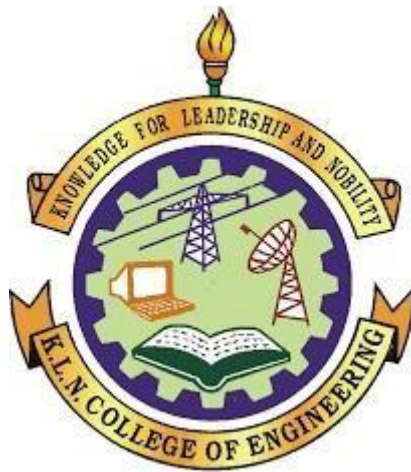


Cc to above members, Head (Academics)

K.L.N. COLLEGE OF ENGINEERING

(An Autonomous Institution, Affiliated to Anna University Chennai)

POTTAPALAYAM – 630 612



Department of Electronics and Communication Engineering
(NBA till JUNE-2025)

SIXTH BOARD OF STUDIES MEETING – MINUTES

VENUE: BOARD ROOM, PG BLOCK

Date: 12.01.2024

(FRIDAY)

Time 10.00 AM

Minutes of SIXTH Board of Studies
Meeting held on 12/01/2024 at 10.00 A.M.

Mode: Hybrid

(Meeting Link: <https://meet.google.com/qmv-mrjg-ypx>)

K.L.N. College of Engineering - Pottapalayam – 630 612
(An Autonomous Institution - Affiliated to Anna University, Chennai)
www.klnce.edu

Department of Electronics and Communication Engineering
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Sixth Board of Studies Meeting

Mode: Hybrid

(Meeting Link: <https://meet.google.com/qmv-mrjg-ypx>)

Date & Time: 12.01.2024 & 10.00 A.M.

Venue: Board room - PG Block

AGENDA

The sixth board of studies meeting was convened to get the approval for the proposed B.E. ECE., curriculum (1-8 sem.) under R2024, detailed syllabus of

1. Electric Circuits and Machines

2. Circuits and Devices Lab

and proposed full (I sem. – IV sem.) curriculum and syllabus of M.E (Communication Systems)

BoS / ECE 6.1:	Welcome address
BoS / ECE 6.2:	Review of the minutes of the fifth board of studies meeting for the department of Electronics and Communication Engineering held on 25 th Feb. 2023 and action taken report for the fifth meeting of board of studies.
BoS / ECE 6.3:	Business brought forward by the Chairman, Board of studies 1. Curriculum (Semester I – Semester VIII) under R2024 B.E. (Electronics and Communication Engineering) program for the students admitted from the Academic year 2024 onwards. 2. Detailed syllabus of i. Electric circuits and Machines ii. Circuits and Devices Lab 3. Curriculum and full syllabus (Semester I – Semester IV) under R2024 M.E. (Communication system) program for the students admitted from the Academic year 2024 onwards. 4. Value-added courses 5. Online credit transfer courses (NPTEL - 12 Week courses).

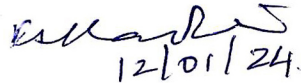
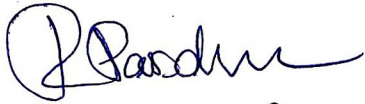


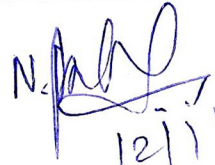
BoS / ECE 6.4:	Suggestions given by the BOS Members
BoS / ECE 6.5:	Vote of thanks



Department of Electronics and Communication Engineering
K.L.N. College of Engineering, Pottapalayam – 630 612
(An Autonomous Institution -Affiliated to Anna University, Chennai)
Sixth Board Of Studies Meeting , DATE: 12.01.2024



MEMBERS PRESENT

S.No.	Name and Designation of the BoS Committee Member	Signature
1.	Dr.R.A.Alaguraja Professor/ECE Thiagarajar College Of Engineering, Madurai ANNA UNIVERSITY NOMINEE	 12/01/24.
2.	Dr.R.Pandeeswari Associate Professor/ECE National Institute of Technology Tiruchirappalli SUBJECT EXPERT Other University Nominee	 12.01.24.
3.	Dr.S.Geetha Professor and Associate Dean (Research), School of Computer Science and Engineering, Vellore Institute of Technology, Chennai, SUBJECT EXPERT Other University Nominee	 12/01/24
4.	Mr.A.Saravana Pandian Chief Executive Officer Embien Technologies India Private Limited, Madurai INDUSTRY EXPERT	 12/01/24
5.	Mr.N.Balakrishnan Group Technical Manager, Telecom and Semiconductor Division, HCL Technologies, Bangalore MERITORIUS ALUMNI	 12/1/24.



Department of Electronics and Communication Engineering
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(An Autonomous Institution -Affiliated to Anna University, Chennai)
Sixth Board Of Studies Meeting , DATE: 12.01.2024



MEMBERS PRESENT

S.No.	Name of the faculty	Designation	Signature
1	Dr.V.Kejalakshmi ,BoS Chairman	Professor and Head	
1.	Dr.S.C.SIVAPRAKASH, BoS Member	Professor	
2.	Dr.R.JEYANTHI, BoS Member	Professor	
3.	Dr.N.JANAKIRAMAN, BoS Member	Professor	
4.	Mr.S.R.NARESH, BoS Member	Associate Professor	
5.	Dr.P.KARPAGAVALLI, BoS Member	Associate Professor	
6.	Dr.R.MOHANKUMAR, BoS Member	Associate Professor	In - Absentia
7.	Dr.B.BUVANESWARI, BoS Member	Associate Professor	3. Buvaneshwari
8.	Dr.S.SUBHA, BoS Member	Associate Professor	S. Subha
9.	Dr.P.S.KUMARESH, BoS Member	Assistant Professor(SG)	P.S. Kumaresan
10.	Mrs.R.THILAGAVATHY, BoS Member	Assistant Professor(Sr.Gr.)	
11.	Ms.L.MEENAKSHI, BoS Member	Assistant Professor(Sr.Gr.)	LM
12.	Mrs.M.AMUDHA, BoS Member	Assistant Professor(Sr.Gr.)	M. Amudha
13.	Dr.T.R.MUTHU, BoS Member	Assistant Professor(Sr.Gr.)	
14.	Mrs.S.INDUMATHI, BoS Member	Assistant Professor	
15.	Mr.S.RAVISANKAR, BoS Member	Assistant Professor	
16.	Mr.D.ANAND, BoS Member	Assistant Professor	D. Anand
17.	Mrs.A.MEENA, BoS Member	Assistant Professor	A. Meena
18.	Mrs.R.PAVITHRA, BoS Member	Assistant Professor	
19.	Mr.S.SELVAKUMAR, BoS Member	Assistant Professor	
21.	Mrs.C.SASIREKHA, BoS Member	Assistant Professor	C. Sasirekha
22.	Mrs.T.SUGUMARI, BoS Member	Assistant Professor	
23.	Mrs.U.Dhivya , BoS Member	Assistant Professor	In - Absentia
24.	Mrs.R.Angayarkanni, BoS Member	Assistant Professor	
25.	Mr.B.Balan, BoS Member	Assistant Professor	B. Balan

BoS / ECE 6.1:	<p>Welcome address and opening remarks by Dr. R. JEYANTHI, Professor, Department of Electronics and Communication Engineering</p> <p>Dr.R.Jeyanthi, Professor of the Electronics and Communication Engineering welcomed and introduced the members of sixth board of studies and thanked each of them for sparing their valuable time to attend the meeting</p>
BoS / ECE 6.2:	<p>To confirm the minutes of fifth BOS meeting held on 25.02.2023</p> <p>The minutes of the fifth board of studies meeting held on 25.02.2023 were communicated to the members. The comments received have been incorporated and the same was approved by the sixth academic council meeting held on 13.05.2023.</p>
BoS / ECE 6.3.1:	<p>To confirm and approve</p> <p>Curriculum (Semester I – Semester VIII) under R2024 B.E. (Electronics and Communication Engineering) program for the students admitted from the academic year 2024 onwards</p> <p>Resolved to approve</p> <p>Proposed curriculum (Semester I – Semester VIII) with some modifications.</p>
BoS / ECE 6.3.2:	<p>To confirm and approve</p> <p>Detailed syllabus of</p> <ol style="list-style-type: none"> i. Electric circuits and machines ii. Circuits and devices Lab <p>Resolved to approve</p> <p>Proposed syllabus with modification</p>
BoS / ECE 6.3.3:	<p>To confirm and approve</p> <p>Curriculum and full syllabus (Semester I – Semester IV) under R2024 M.E. (Communication system) program for the students admitted from the academic year 2024 onwards</p> <p>Resolved to approve</p> <p>Proposed curriculum and full syllabus (Semester I – Semester IV) with modifications.</p>

BoS / ECE 6.3.4:	<p>To confirm and approve</p> <p>The value added courses and online courses for credit transfer.</p> <p>Resolved to approve</p> <p>Proposed value added courses and online courses.</p>
BoS / ECE 6.4:	<p>Suggestions given by the members:</p> <p>The members had a deep discussion with the department members and gave the following suggestions.</p>

Following are the suggestions provided by Expert members for UG

- **Engineering Graphics** course in the first semester may be removed.
- Suggested to include **Electron Devices** as a separate course in second semester.
- **Linear Integrated circuits** and **Analog Circuits** courses have been offered in third semester. The members suggested to offer them in consecutive semesters.
- The title of the course **Principles of Digital Signal Processing** can be changed to **Digital Signal Processing**.
- Suggested to have **Analog and Digital communication** as separate courses.
- The practical course **Design Thinking** can be opted for students.
- More number of Theory cum Practical courses can be included in the curriculum.
- Suggested to change the title **Electromagnetic theory** for the course **Electromagnetic Fields**.
- **Antenna Design and Microwave Engineering** course offered in sixth semester can be separated as two different courses and **Embedded Design and IOT** can be offered as elective course.
- **Embedded Design and IOT** course can be changed as Theory cum Practical Course and the interfacing experiments such as UART can be viewed in DSO.
- The value added course titled “**C in depth**” can be changed as “**Overview of C design**” and some topics to be modified.
- The courses listed under the vertical “**Artificial Intelligence and Machine Learning**” in R2020 (Admitted from 2021 onwards) can be in hierarchical order.
- The title of the course **Mixed C & Assembly Language Programming** in verticals list “**Embedded & IoT**” offered for R2020 (Admitted from 2021 onwards) may be changed.

BoS / ECE 6.5:

Vote of thanks

Dr.T.R.Muthu, Assistant Professor thanked all the members for their valuable suggestions and kind cooperation.

Meeting Follow-up actions taken

Based on the suggestions given by the members, BoS resolved to recommend the following to the Academic council for further approval.

- The contents of **Electron Devices** are included in the course titled “**Physics for Electronics and Devices**” in second semester under Basic Science category.
- As suggested, **Analog Circuits and Linear Integrated circuits** courses are offered in third and fourth semester respectively.
- The title of the course **Principles of Digital Signal Processing** is changed as **Digital Signal Processing**.
- As suggested, **Analog and Digital communication** course has been separated as **Random Process and Communication System, Digital Communication Techniques** in third and fourth semester respectively.
- The practical course **Design Thinking** is included in sixth semester.
- More number of Theory cum Practical courses have been included in the curriculum.
- The course title **Electromagnetic Fields** has been renamed as **Electromagnetic Theory**.
- As suggested, **Antenna Design and Microwave Engineering** course has been separated as **Antennas and Wave Propagation** in sixth semester and **Microwave and Optical Communication** in seventh semester.
- **Embedded Design and IOT** is offered as Theory cum Practical elective Course.
- The value added course titled “**C in depth**” will be changed as “**Overview of C design**” and the contents will be modified.
- The courses listed under the vertical “**Artificial Intelligence and Machine Learning**” in R2020 (Admitted from 2021 onwards) are rearranged in hierarchical order.
- The title of the course **Mixed C & Assembly Language Programming** in verticals list “**Embedded & IoT**” offered for R2020 (Admitted from 2021 onwards) may be changed.



CHAIRMAN/ECE BOARD

ENCL:

1. Modified Curriculum for B.E.(ECE), Curriculum & Syllabus of M.E., (Communication Systems)
2. Detailed syllabus of Electric Circuits and Machines & Circuits and Devices lab
3. List of credit transfer courses for Jan- Apr- 2024

CC to General Body, Academic Council, Principal, File

Annexure - 1

K.L.N. College of Engineering, Pottapalayam-630 612
Department of Electronics and Communication Engineering
List of Recommended Courses for the Academic Year 2023-2024 Even
Duration of the course : 12 weeks

Sl.no	Course ID	Discipline	Course Name
1.	noc24-mg65	Management	Advanced Financial Instruments for Sustainable Business and Decentralized Markets
2.	noc24-me24	Mechanical Engineering	Advanced Robotics
3.	noc24-mg05	Management	AI in Marketing
4.	noc24-ce03	Civil Engineering	Air pollution and Control
5.	noc24-ee49	Electrical and Electronics Engineering	Biomedical Signal Processing
6.	noc24-cs15	Computer Science and Engineering	Blockchain and its Applications
7.	noc24-cs20	Computer Science and Engineering	Data Analytics with Python
8.	noc24-hs04	Humanities and Social Sciences	Education for Sustainable Development
9.	noc24-ee68	Electrical and Electronics Engineering	Embedded Sensing, Actuation and Interfacing Systems
10.	noc24-cs01	Computer Science and Engineering	Foundations of Cryptography
11.	noc24-cs30	Computer Science and Engineering	GPU Architectures and Programming
12.	noc24-ee56	Electrical and Electronics Engineering	Industrial Automation and Control
13.	noc24-cs34	Computer Science and Engineering	Introduction to Industry 4.0 and Industrial Internet of Things
14.	noc24-cs35	Computer Science and Engineering	Introduction to Internet of Things
15.	noc24-cs43	Computer Science and Engineering	Programming In Java
16.	noc24-ee45	Electrical and Electronics Engineering	Sensors and Actuators
17.	noc24-ee77	Electrical and Electronics Engineering	VLSI Physical Design with Timing Analysis
18.	noc24-ee77	Electrical and Electronics Engineering	Deep Learning
19.	noc24-cs59	Computer Science and Engineering	Deep Learning – IIT Roopar

Annexure - 2

K.L.N. College of Engineering, Pottapalayam-630 612

Department of Electronics and Communication Engineering

List of Value Added Courses for the Academic Year 2023-2024 Even

- 1) Hands-on Training on Drone Design & Assembly
- 2) C in Depth
- 3) Design of Internet of Things
- 4) Python for Machine Learning



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

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

Department of CSE, IT, CSE(CS), CSE(IoT) and AI & DS

Ref:KLNCE/BoS/IT/2024/

Date:17.02.2024

Minutes of Seventh Board of Studies Meeting

The Seventh Board of Studies meeting was conducted on 17-02-2024 (Saturday) at PG Block- Board Room. The meeting got started by 10:00 am and the following salient points were discussed in the meeting.

Members :

Sl. No.	Name of the member with designation and Address	Details of member
1.	Dr.P.GaneshKumar Professor & Head Department of Information Technology K.L.N. College of Engineering, Pottapalayam-630612.	CHAIRMAN Board of Studies
2.	Dr. S. Parthasarathy Professor & Head Dept. of Applied Mathematics and Computational Science Thiagarajar College of Engineering, Madurai - 625 015.	ANNAUNIVERSITY NOMINEE
3.	Dr. R.Alageswaran Associate Dean/ School of Computing SASTRA Deemed to be University, Thanjavur- 613 401.	SUBJECT EXPERT (From outside the Parent University)
4.	Dr. N.Suresh Kumar Professor & Head /Department of CSE Kalasalingam University, Krishnankovil-626 190.	SUBJECT EXPERT (From outside the Parent University)
5.	Dr. R. Srikkanthan IBA Particle Therapy India Pvt Ltd Chennai-600 041.	INDUSTRY EXPERT
6.	Dr. Manikandan Ramanathan Director of Engineering Capgemini, Chennai-603 004.	INDUSTRY EXPERT
7.	Mr. Ashok Kumar Mohan CEO, Kriyavan Cyber Security Madurai-625016.	INDUSTRY EXPERT
8.	Dr. M.Arun Raja Director, The Silicon Harvest, Madurai- 625 001.	INDUSTRY EXPERT

	Name of the member with designation and Address	Details of member
9.	Mr.Prasanna Vijayan Senior Software Engineer - Frontend Freshworks, Chennai-600 096.	Meritorious Alumnus
10.	Dr.A.V.Ramprasad Principal / K.L.N. College of Engineering, Pottapalayam-630 612.	Special Invitee
11.	Dr.S.Miruna Joe Amali Professor & Head/CSE & IOT KLNCE	Member
12.	Dr.S.Suresh Raja Professor & Head/ AI & DS KLNCE	Member
13.	Dr.J.S.Kanchana Professor & Head/ Cyber Security KLNCE	Member
14.	Dr.G.Ramesh Professor/ IT KLNCE	Member
15.	Dr.S.Ilangovan Professor/ IT KLNCE	Member
16.	Mr.A.Selvaraj Assistant Professor/ IT KLNCE	Member
17.	Mr.M.Satheesh Kumar Assistant Professor/ IT KLNCE	Member
18.	Mrs.S.Vijayasharmila Assistant Professor/ IT KLNCE	Member
19.	Mrs.S.Jeniba Assistant Professor/ IT KLNCE	Member
20.	Ms.RM.Suganya Assistant Professor/ IT KLNCE	Member
21.	Mrs..M.Mathangi Assistant Professor/ IT KLNCE	Member
22.	Mrs.N.Logamithra Assistant Professor/ IT KLNCE	Member
23.	Mrs. P Ramya Assistant Professor/ IT KLNCE	Member

Sl. No.	Name of the member with designation and Address	Details of member
24.	Mrs. N Vishnu Devi Assistant Professor/ IT KLNCE	Member
25.	Mr.P.L. Subramanian Assistant Professor/ IT KLNCE	Member
26.	Mrs. I. Muthu Meenatchi Assistant Professor/ IT KLNCE	Member
27.	Mrs. K. Rani Assistant Professor/ IT KLNCE	Member
28.	Mrs. A. Thirunirai Selvi Assistant Professor/ IT KLNCE	Member
29.	Mrs. T.S. Naga Nandhini Assistant Professor/ IT KLNCE	Member
30.	Mrs. M. Kani Mozhi Assistant Professor/ IT KLNCE	Member
31.	Dr. P.R.Vijayalakshmi Professor/CSE KLNCE	Member
32.	Dr.R.Lakshmi Professor/CSE KLNCE	Member
33.	Mr. D.Pravin Kumar Associate Professor/CSE KLNCE	Member
34.	Dr. P. Prem Kumar Associate Professor/CSE KLNCE ASP1	Member
35.	Dr.S.Subashini Associate Professor/CSE KLNCE	Member
36.	Mrs.N.Gajalakshmi Associate Professor/CSE KLNCE	Member
37.	Dr. R. Karthick Associate Professor/CSE KLNCE	Member
38.	Mrs. V. Karpagam Assistant Professor/CSE KLNCE	Member

Sl. No.	Name of the member with designation and Address	Details of member
39.	Mr. J. Sulthan Ali khan Assistant Professor/CSE KLNCE	
40.	Mrs. R. Kirubahari Assistant Professor/CSE KLNCE	Member
41.	Mrs.G.Rajeswari Assistant Professor/CSE KLNCE	Member
42.	Mrs.S.Venkatalakshmi Assistant Professor/CSE KLNCE	Member
43.	Ms.S.Sangamithra Assistant Professor/CSE KLNCE	Member
44.	Mrs.D.Thangamari Assistant Professor/CSE KLNCE	Member
45.	Mrs.S.Maria Sobhana Assistant Professor/CSE KLNCE	Member
46.	Mr.M.Arul Selvan Assistant Professor/CSE KLNCE	Member
47.	Mrs.S.Yoheswari Assistant Professor/CSE KLNCE	Member
48.	Mrs. K. Vanithamani Assistant Professor/CSE KLNCE	Member
49.	Mrs. K. Usha Rani Assistant Professor/CSE KLNCE	Member
50.	Mrs.Sasikala Assistant Professor/CSE KLNCE	Member
51.	Mrs.Divyabharathi Assistant Professor/CSE KLNCE	Member
52.	Mrs.Poornima Assistant Professor/CSE KLNCE	Member
53.	Dr. S.Balamurugan Assistant Professor/AI & DS KLNCE	Member
		Member

Sl. No.	Name of the member with designation and Address	Details of member
54.	Ms. N.Muthamilselvi Assistant Professor/AI & DS KLNCE	Member
55.	Mrs. V.Abinaya Assistant Professor/AI & DS KLNCE	Member
56.	Mrs.S.Meenakshi Assistant Professor/AI & DS KLNCE	Member
57.	Mr. S.Sathish Kumar Assistant Professor/AI & DS KLNCE	Member
58.	Mr. B. Ananda Sabari Rajan Assistant Professor/AI & DS KLNCE	Member
59.	Mrs T. Suganya Assistant Professor/Cyber Security KLNCE	Member
60.	Ms S.Muthayee Assistant Professor/Cyber Security KLNCE	Member
61.	Dr. S. Prabavathy Associate Professor/IoT KLNCE	Member

Dr.P.Ganesh Kumar, Chairman /BOS delivered Welcome Address and introduced the members of BOS. He summarized the previous meeting salient points which has been incorporated in the syllabus framing and conveyed to meeting members.

- **Dr.A.V.Ramprasad**, Principal delivered inaugural address and pointed out the most significance role of BoS Meeting for curriculum and syllabus framing in accordance with current technology requirements. And also welcomed the members of BoS.
- **Dr.S.Miruna Joe Amali** presented the Curriculum of R2024 B.E. - CSE Programme (Sem I to VIII) and Syllabus for Python & C Programming theory and laboratory courses.
- **Dr.P.Ganesh Kumar** presented the Curriculum of R2024 B.Tech. – IT Programme (Sem I to VIII)
- **Dr.S.Suresh Raja** presented the Curriculum of R2024 B.Tech.- AI & DS Programme (Sem I to VIII)
- **Dr.J.S.Kanchana** the Curriculum of R2024 B.E.- CSE (Cyber Security) Programme (Sem I to VIII) and Curriculum and Syllabus of R2020 B.E.-CSE(Cyber Security) Programme (Sem 7th & 8th)
- **Dr.J.Miruna Joe Amali** presented the Curriculum of R2024 B.E.- CSE (IoT) Programme (Sem I to VIII) and Curriculum and Syllabus of R2020 B.E.-CSE(IoT) Programme (Sem 3rd to 8th)

Dr.G.Ramesh presented the R2024 M.E.-CSE (WSN) Programme- Curriculum and Syllabus.(Sem I to IV)

- **Dr.P.Ganesh Kumar** detailed the list of Value Added Courses with Syllabus framed by industry and the list of online NPTEL courses for credit transfer under the proposed regulation R2024.

The following are the suggestion made by **Dr. S. Parthasarathy, Anna University Nominee.**

1. **Dr. S. Parthasarathy** sought **Clarification** about the total credits (160 to 170) which is fixed for the each programme. The BoS chairman, **Dr.P.Ganeshkumar** justified the reason for fixing this band of total credit. The total credit fixation is done for all programme as per the suggestion given by previous BoS meeting experts.
2. **Dr.S.Parthasarathy** asked for justification of changes incorporated in R2024 w.r.t R2020. The BoS chairman explained that all the amendments from AY : 2021-22, 2022-23, 2023-24 are based on Anna University guidelines and AICTE- Model Curriculum for periodic updation. The Regulation R2024 are based on updated version of all amendments done by AU and AICTE.
3. He queried about the percentage of changes done in R2024 w.r.t R2020.
4. Dr.S.Partha sarathy sought the clarification of credit transfer courses. The BoS detailed the procedure for credit transfer courses.
5. Dr.S.Partha sarathy suggested to keep feedback system (feedback by students, feedback by faculty, feedback by alumni, feedback by TPO cell) about the impact of conducted credit transfer course.
6. He told to keep balanced course load (no. of theory and practical courses) in each semester instead of large number of courses in one semester and lessor number of courses in another semester.
7. He sought the justification of particular courses to be Theory cum Practical instead of separate theory and lab for that course.
8. He suggested for credit transfer as
 - i. industry collaborated courses can be consider as a Value Added Course
 - ii. SCI/ Q1- Scopus journal publication can be consider as a rubrics for assigning Grades,
 - iii. National Level Hackathon Even prizes won can consider as a rubrics for assigning Grades
 - iv. NPTEL courses can be considered as Credit Transfer Course.

This suggestion commonly posted by **Dr. Manikanda Ramanathan and Dr.N.Suresh Kumar**

9. He insisted to give more care for exploring the core knowledge in the specialized domain for the course like B.Tech. -AI&DS, B.E.CSE(Cyber Security) and B.E.CSE(IoT)
10. He suggested to avoid the practical course for Software Engineering.
11. He insisted to avoid combining of two courses as one course like
 - i. AI & ML
 - ii. Embedded System & IOT
 - iii. DPSD & CA etc.
12. Entrepreneurship course may be included in the list of Value Added Courses.
13. He insisted to include the professional core courses should be maintained as like parent department professional core courses.

14. More Teaching Learning Process tools (Demo, Lab, case studies) for content delivery of cyber security courses should be used.
15. Faculty members should be certified in the specialized area courses.
16. External Experts should be invited for handling some sessions of specialized courses like Ethical hacking and Cyber Forensic Tools, etc.
17. He suggested Minimum 20% to 30% course should be branch specific courses.

The following are the suggestion made by **Dr. N.Suresh Kumar**

18. **Dr.N.Suresh Kumar** suggested to avoid software engineering practical course and suggested to have only theory course.
19. He suggested to add Data Structure content in Python programming course.
20. He suggested to avoid image processing course in M.E.-CSE(WSN) programme.
21. He suggested to include cloud computing techniques for B.E.CSE (IoT) programme.

The following are the suggestion made by **Dr. Manikandan Ramanathan**

22. **Dr. Manikandan Ramanathan** internet programming / web programming courses should be designed with practical component.
23. He suggested to include the agile methodology concepts in software engineering.
24. He suggested to adopt ML and ML lab instead of separate AI lab course and MI lab course.
25. He informed that visual computing course is missing in the curriculum for AI & DS programme.
26. He suggested to avoid cyberlaw course in the curriculum. The same point is insisted by Mr.Ashok Kumar Mohan narrating the reason for avoiding this course.
27. He suggested to modify the course name as Computer network instead of Data communication and computer networks
28. He suggested to include smart cities in IoT curriculum.
29. He also suggested that the value added course of PHP is outdated and recommended to include React JS, Selenium and Golang .

The following are the suggestion made by **Dr. R. Srikanthan**

30. **Dr.R.Srikanthan** sought clarification about the framing of elective courses, **Dr.S.Miruna Joe Amali** detailed the process of vertical system through elective courses and requirements for honors degree.

The following are the suggestion made by **Mr. Ashok Kumar Mohan**

31. Mr.Ashok Kumar Mohan suggested to avoid ethical hacking course in curriculum. The suggestion commonly insisted by **Dr. Manikandan Ramanathan and Dr.N.Suresh Kumar**

The following are the suggestion made by **Mr.Prasanna Vijayan**

32. **Mr.Prasanna Vijayan** queried about which programming language is opted for OOPS and Data structure. The chairman replied to his query.

The following are the suggestion received through mail by **Dr.R. Alageswaran**


33. **Dr.R. Alageswaran** suggested that, in 20SC701 Ethical Hacking course, fifth unit content may be revised with post Post-exploitation concepts.
34. Industrial IoT can be included as Value Added Course.

Dr.G.Ramesh summarized the suggestions and queries raised by Experts.

- **Dr.S.Suresh Raja** delivered Vote of Thanks.

- This BoS meeting came to end at 01.00pm


Dr. P. Ganesh Kumar,
Chairman, Board of Studies


Dr. S. Parthasarathy
Anna University Nominee
Professor & Head
Dept. of Applied Mathematics and Computational Science
Thiagarajar College of Engineering, Madurai - 625 015.

CC to

Governing Body Academic Council Coordinator
ECE Board, EEE Board,
MBA Board, Maths Board,
IQAC, Principal, File



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

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

Department of CSE, IT, CSE(CS), CSE(IoT) and AI & DS


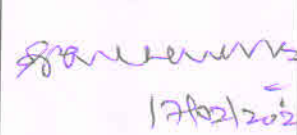
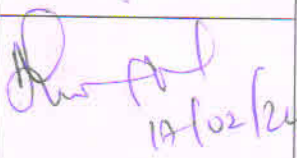
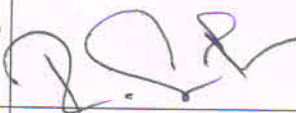


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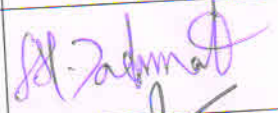





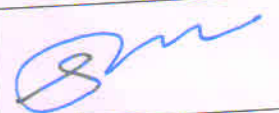
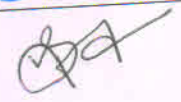




Date:17.02.2024


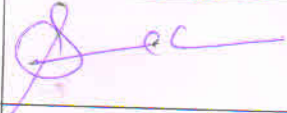










Minutes of Seventh Board of Studies Meeting

The Seventh Board of Studies meeting was conducted on 17-02-2024 (Saturday) at PG Block- Board Room. The meeting got started by 10:00 am and the following salient points were discussed in the meeting.

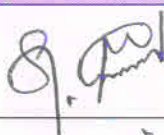
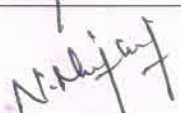







Members Present:

Sl. No.	Name of the member with designation and Address	Details of member	Signature
1.	Dr.P.Ganesh Kumar Professor & Head Department of Information Technology K.L.N. College of Engineering, Pottapalayam-630612.	CHAIRMAN Board of Studies	 12/2/24
2.	Dr. S. Parthasarathy Professor & Head Dept. of Applied Mathematics and Computational Science Thiagarajar College of Engineering, Madurai - 625 015.	ANNAUNIVERSITY NOMINEE	 17/02/2024
3.	Dr. R. Alageswaran Associate Dean/ School of Computing SASTRA Deemed to be University, Thanjavur- 613 401.	SUBJECT EXPERT (From outside the Parent University)	absent
4.	Dr. N.Suresh Kumar Professor & Head /Department of CSE Kalasalingam University, Krishnankovil-626 190.	SUBJECT EXPERT (From outside the Parent University)	 17/02/24
5.	Dr. R. Srikanthan IBA Particle Therapy India Pvt Ltd Chennai-600 041.	INDUSTRY EXPERT	
6.	Dr. Manikandan Ramanathan Director of Engineering Capgemini, Chennai-603 004.	INDUSTRY EXPERT	
7.	Mr. Ashok Kumar Mohan CEO, Kriyavan Cyber Security Madurai-625016.	INDUSTRY EXPERT	

Sl. No.	Name of the member with designation and Address	Details of member	Signature
8.	Dr. M.Arun Raja Director, The Silicon Harvest, Madurai- 625 001.	INDUSTRY EXPERT	
9.	Mr.Prasanna Vijayan Senior Software Engineer - Frontend Freshworks, Chennai-600 096.	Meritorious Alumnus	
10.	Dr.A.V.Ramprasad Principal / K.L.N. College of Engineering, Pottapalayam-630 612.	Special Invitee	
11.	Dr.S.Miruna Joe Amali Professor & Head/CSE & IOT KLNCE	Member	
12.	Dr.S.Suresh Raja Professor & Head/ AI & DS KLNCE	Member	
13.	Dr.J.S.Kanchana Professor & Head/ Cyber Security KLNCE	Member	
14.	Dr.G.Ramesh Professor/ IT KLNCE	Member	
15.	Dr.S.Ilangovan Professor/ IT KLNCE	Member	
16.	Mr.A.Selvaraj Assistant Professor/ IT KLNCE	Member	
17.	Mr.M.Satheesh Kumar Assistant Professor/ IT KLNCE	Member	
18.	Mrs.S.Vijayasharmila Assistant Professor/ IT KLNCE	Member	
19.	Mrs.S.Jeniba Assistant Professor/ IT KLNCE	Member	
20.	Ms.RM.Suganya Assistant Professor/ IT KLNCE	Member	
21.	Mrs..M.Mathangi . P.T Assistant Professor/ IT KLNCE	Member	
22.	Mrs.N.Logamithra Assistant Professor/ IT KLNCE	Member	

Sl. No.	Name of the member with designation and Address	Details of member	Signature
23.	Mrs. P Ramya Assistant Professor/ IT KLNCE	Member	
24.	Mrs. N Vishnu Devi Assistant Professor/ IT KLNCE	Member	
25.	Mr.P.L. Subramanian Assistant Professor/ IT KLNCE	Member	
26.	Mrs. I. Muthu Meenatchi Assistant Professor/ IT KLNCE	Member	
27.	Mrs. K. Rani Assistant Professor/ IT KLNCE	Member	
28.	Mrs. A. Thirunirai Selvi Assistant Professor/ IT KLNCE	Member	Absent
29.	Mrs. T.S. Naga Nandhini Assistant Professor/ IT KLNCE	Member	
30.	Mrs. M. Kani Mozhi Assistant Professor/ IT KLNCE	Member	
31.	Dr. P.R.Vijayalakshmi Professor/CSE KLNCE	Member	
32.	Dr.R.Lakshmi Professor/CSE KLNCE	Member	
33.	Mr. D.Pravin Kumar Associate Professor/CSE KLNCE	Member	Absent
34.	Dr. P. Prem Kumar Associate Professor/CSE KLNCE ASP1	Member	
35.	Dr.S.Subashini Associate Professor/CSE KLNCE	Member	
36.	Mrs.N.Gajalakshmi Associate Professor/CSE KLNCE	Member	AB
37.	Dr. R. Karthick Associate Professor/CSE KLNCE	Member	

Sl. No.	Name of the member with designation and Address	Details of member	Signature
38.	Mrs. V. Karpagam Assistant Professor/CSE KLNCE	Member	V. Karpagam 17/2/24
39.	Mr. J. Sulthan Ali khan Assistant Professor/CSE KLNCE	Member	J. Sulthan 17/2/24
40.	Mrs. R. Kirubahari Assistant Professor/CSE KLNCE	Member	R. Kirubahari
41.	Mrs. G. Rajeswari Assistant Professor/CSE KLNCE	Member	G. Rajeswari 17/2/2024
42.	Mrs. S. Venkatalakshmi Assistant Professor/CSE KLNCE	Member	S. Venkatalakshmi 17/2/24
43.	Ms. S. Sangamithra Assistant Professor/CSE KLNCE	Member	S. Sangamithra
44.	Mrs. D. Thangamari Assistant Professor/CSE KLNCE	Member	D. Thangamari 17/2/24
45.	Mrs. S. Maria Sobhana Assistant Professor/CSE KLNCE	Member	S. Maria Sobhana 17/2/24
46.	Mr. M. Arul Selvan Assistant Professor/CSE KLNCE	Member	M. Arul Selvan 17/2/24
47.	Mrs. S. Yoheswari Assistant Professor/CSE KLNCE	Member	S. Yoheswari
48.	Mrs. K. Vanithamani Assistant Professor/CSE KLNCE	Member	K. Vanithamani
49.	Mrs. K. Usha Rani Assistant Professor/CSE KLNCE	Member	K. Usha Rani 17.02.2024
50.	Mrs. Sasikala Assistant Professor/CSE KLNCE	Member	S. Sasikala 17/2/24
51.	Mrs. Divyabharathi Assistant Professor/CSE KLNCE	Member	D. Divyabharathi
52.	Mrs. Poornima Priyanka P Assistant Professor/CSE KLNCE	Member	P. Poornima Priyanka P

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53.	Dr. S.Balamurugan Assistant Professor/AI & DS KLNCE	Member	
54.	Ms. N.Muthamilselvi Assistant Professor/AI & DS KLNCE	Member	
55.	Mrs. V.Abinaya Assistant Professor/AI & DS KLNCE	Member	
56.	Mrs.S.Meenakshi Assistant Professor/AI & DS KLNCE	Member	
57.	Mr. S.Sathish Kumar Assistant Professor/AI & DS KLNCE	Member	
58.	Mr. B. Ananda Sabari Rajan Assistant Professor/AI & DS KLNCE	Member	
59.	Mrs T. Suganya Assistant Professor/Cyber Security KLNCE	Member	
60.	Ms S.Muthayee Assistant Professor/Cyber Security KLNCE	Member	
61.	Dr. S. Prabavathy Associate Professor/IoT KLNCE	Member	

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51.	Mrs.Divyabharathi Assistant Professor/CSE KLNCE	Member
52.	Mrs.Poornima Assistant Professor/CSE KLNCE	Member
53.	Dr. S.Balamurugan Assistant Professor/AI & DS KLNCE	Member

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- **Dr.J.S.Kanchana** the Curriculum of R2024 B.E.- CSE (Cyber Security) Programme (Sem I to VIII) and Curriculum and Syllabus of R2020 B.E.-CSE(Cyber Security) Programme (Sem 7th & 8th)
- **Dr.J.Miruna Joe Amali** presented the Curriculum of R2024 B.E.- CSE (IoT) Programme (Sem I to VIII) and Curriculum and Syllabus of R2020 B.E.-CSE(IoT) Programme (Sem 3rd to 8th)

14. More Teaching Learning Process tools (Demo, Lab, case studies) for content delivery of cyber security courses should be used.
15. Faculty members should be certified in the specialized area courses.
16. External Experts should be invited for handling some sessions of specialized courses like Ethical hacking and Cyber Forensic Tools, etc.
17. He suggested Minimum 20% to 30% course should be branch specific courses.

The following are the suggestion made by Dr. N.Suresh Kumar

18. **Dr.N.Suresh Kumar** suggested to avoid software engineering practical course and suggested to have only theory course.
19. He suggested to add Data Structure content in Python programming course.
20. He suggested to avoid image processing course in M.E.-CSE(WSN) programme.
21. He suggested to include cloud computing techniques for B.E.CSE (IoT) programme.

The following are the suggestion made by Dr. Manikandan Ramanathan

22. **Dr. Manikandan Ramanathan** internet programming / web programming courses should be designed with practical component.
23. He suggested to include the agile methodology concepts in software engineering.
24. He suggested to adopt ML and ML lab instead of separate AI lab course and MI lab course.
25. He informed that visual computing course is missing in the curriculum for AI & DS programme.
26. He suggested to avoid cyberlaw course in the curriculum. The same point is insisted by Mr.Ashok Kumar Mohan narrating the reason for avoiding this course.
27. He suggested to modify the course name as Computer network instead of Data communication and computer networks
28. He suggested to include smart cities in IoT curriculum.
29. He also suggested that the value added course of PHP is outdated and recommended to include React JS, Selenium and Golang .

The following are the suggestion made by Dr. R. Srikkanthan

30. **Dr.R.Srikanthan** sought clarification about the framing of elective courses, **Dr.S.Miruna Joe Amali** detailed the process of vertical system through elective courses and requirements for honors degree.

The following are the suggestion made by Mr. Ashok Kumar Mohan

31. Mr.Ashok Kumar Mohan suggested to avoid ethical hacking course in curriculum. The suggestion commonly insisted by **Dr. Manikandan Ramanathan** and **Dr.N.Suresh Kumar**

The following are the suggestion made by Mr.Prasanna Vijayan


32. **Mr.Prasanna Vijayan** queried about which programming language is opted for OOPS and Data structure. The chairman replied to his query.

The following are the suggestion received through mail by Dr.R. Alageswaran

33. **Dr.R. Alageswaran** suggested that, in 20SC701 Ethical Hacking course, fifth unit content may be revised with post Post-exploitation concepts.
34. Industrial IoT can be included as Value Added Course.

- **Dr.G.Ramesh** summarized the suggestions and queries raised by Experts.
- **Dr.S.Suresh Raja** delivered Vote of Thanks.
- This BoS meeting came to end at 01.00pm


Dr. P. Ganesh Kumar,
Chairman, Board of Studies


Dr. S. Parthasarathy

Anna University Nominee
Professor & Head
Dept. of Applied Mathematics and Computational Science
Thiagarajar College of Engineering, Madurai - 625 015.

CC to

Governing Body Academic Council Coordinator
ECE Board, EEE Board,
MBA Board, Maths Board,
IQAC, Principal, File



K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM - 630 612

(An Autonomous Institution, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai

(An ISO 9001: 2015 Certified Institution)

Accredited by NAAC, Bengaluru



DEPARTMENT OF SCIENCE AND HUMANITIES
(Mathematics, Physics, Chemistry, English and Tamil)

Ref: KLNCE/BoS/S&H/2024

07.02.2024

Fifth Board of Studies (BoS) Meeting

Fifth BoS Meeting Agenda

Date of the Meeting: 07.02.2024 (Wednesday)


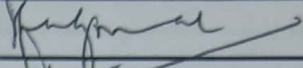
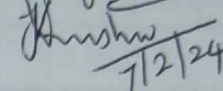
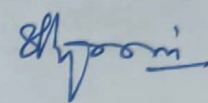
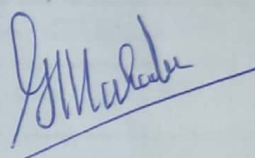
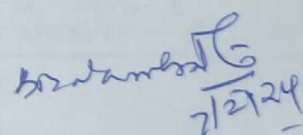

Time: 10.30A.M

Welcome Address	BoS Chairman: Dr.J.K.Subashini Professor & HOD/Maths
Presentation of syllabus of Mathematics Courses pertaining to all B.E/B.Tech program, all PG programs and syllabus of Aptitude and Soft Skills courses	Dr.J.K.Subashini Professor & HOD/Maths
Presentation of syllabus of Physics Courses (Theory and Practical) pertaining to all B.E/B.Tech program	Prof.N.V.Karthikeyan HOD/Physics
Presentation of syllabus of Chemistry Courses (Theory and Practical) pertaining to all B.E/B.Tech program	Prof.O.D.Shakila HOD/Chemistry
Presentation of syllabus of English Courses (Theory, Practical and Open Elective courses) pertaining to all B.E/B.Tech program	Dr.A.Raviekkumar HOD/English
Presentation of syllabus of Tamil Courses offered to all B.E/B.Tech program	Mrs.S.Indira AP/Tamil
Comments & Suggestions	Anna University Nominee & External Expert Members
Vote of Thanks	Dr.A.Raviekkumar HOD/English

MINUTES OF FIFTH BOARD OF STUDIES MEETING

The fifth Board of Studies meeting of Science & Humanities department was conducted on 07-02-2024 (Wednesday) at 10.30 a.m.

MEMBERS PRESENT:

S.No	Name, Designation, and College	Details of Members	Signature
1.	Dr. A.V. Ramprasad	Principal	
2.	Dr. S. Nagammai	Head/ Academics	
3.	Dr. J.K. Subashini	BoS Chairman, S&H Department Professor & Head / Mathematics	 7/2/24
4.	Dr. S. Rajaram Professor Department of English Thiagarajar college of Engineering Madurai-625015	Anna University Nominee & Subject Expert	
5.	Dr.G.Mahadevan Associate Professor Department of Mathematics Gandhigram Rural Institute-Deemed University.(Ministry of Education, Government of India) Gandhigram 624 302,Dindigul District. Tamil Nadu, India Email: drgmaha2014@gmail.com Contact No. +91-9443851756	Subject expert-Outside the Parent University	
6.	Dr.A.K.Balasubramanian Head & Associate Professor Department of Physics Sourashtra college, Madurai 625004 Tamilnadu, India Email ID : souphydept@gmail.com Contact No.+91 9486165280	Subject expert-Outside the Parent University	 7/2/24
7.	Dr. B. Shankar Assistant Professor Department of Chemistry Thiagarajar College of Engineering, Madurai 625 015, Tamil Nadu, India Email ID: bsrchem@tce.edu bshankarhcu@gmail.com Contact No. +91-96422 86517	Subject expert- Parent University	 07/02/24

8.	Dr. R. Selvarani	Associate Professor / Mathematics	R. Selvarani
9.	Dr. S. Sabarinathan	Associate Professor / Mathematics	S. Sabarinathan
10.	Mrs. R. Kalaiselvi	Assistant Professor / Mathematics	R. Kalaiselvi
11.	Mr. G. Pushparajan	Assistant Professor / Mathematics	G. Pushparajan
12.	Mr. G. B. Kannan	Assistant Professor / Mathematics	G. B. Kannan
13.	Mrs. M. Jeyalakshmi (On study leave)	Assistant Professor / Mathematics	
14.	Mr. V. Ananth	Assistant Professor / Mathematics	V. Ananth
15.	Mrs. M. Nancy Femila	Assistant Professor / Mathematics	M. Nancy Femila
16.	Mrs. K. Sathyabama	Assistant Professor / Mathematics	K. Sathyabama
17.	Mrs. R Usha	Assistant Professor / Mathematics	R. Usha
18.	Mrs. M. Jansi selvarani	Assistant Professor / Mathematics	M. Jansi selvarani
19.	Mr. N. V. Karthikeyan	Associate Professor & HOD incharge/ Physics	N. V. Karthikeyan
20.	Dr. N. R. Ramanujam	Associate Professor/ Physics	N. R. Ramanujam
21.	Dr. R. Geetha	Associate Professor/ Physics	R. Geetha
22.	Mrs. M. Manjula Devi	Assistant Professor / Physics	M. Manjula Devi
23.	Dr. K. Poovendran	Assistant Professor / Physics	K. Poovendran
24.	Ms. T.K. Jothi Priya	Assistant Professor / Physics	T. K. Jothi Priya
25.	Mrs. O. D. Shakila	Associate Professor & HOD/ Chemistry	O. D. Shakila
26.	Dr. G. J. Deeparani (on leave)	Assistant Professor/ Chemistry	
27.	Mrs. R. Iswarya	Assistant Professor/ Chemistry	R. Iswarya
28.	Mrs. R. Seethalakshmi	Assistant Professor/ Chemistry	R. Seethalakshmi
29.	Mrs. R. Niraimathi	Assistant Professor/ Chemistry	R. Niraimathi
30.	Mrs. T. Kartheeswari	Assistant Professor/ Chemistry	T. Kartheeswari
31.	Dr. B. Tamil Selvi	Assistant Professor/ Chemistry	B. Tamil Selvi

32	Dr. A. Raviakkumar	Professor & HOD/ English	<i>A. Raviakkumar</i>
33	Mr.S.S. Karthickkumar	Assistant Professor/ English	<i>S. Karthickkumar</i>
34	Mr. K. Sarangan	Assistant Professor/ English	<i>K. Sarangan</i>
35	Mrs. J. Vidhya	Assistant Professor/ English	<i>J. Vidhya</i>
36	Mrs.C.Nivetha	Assistant Professor/ English	<i>C. Nivetha</i>
37	Mrs. D.Nithya sree	Assistant Professor/ English	<i>D. Nithya sree</i>
38	Mrs. S. Indira	Assistant Professor/ Tamil	<i>S. Indira</i>

On behalf of KLNCE Management, Principal and Department of S&H Dr.J.K.Subashini, Prof and Head/ Maths welcomed all the members present and introduced the BoS members.

Dr.J.K.Subashini, Prof and Head/ Maths presented the proposed syllabus of following Mathematics courses offered by all B.E/B.Tech program and all PG programs and syllabus of Aptitude and Soft Skills courses. She informed that the curriculum has been framed as per the guidelines of AICTE, UGC and Anna University, Chennai.

Courses offered by B.E/B.Tech programmes

- i. Engineering Mathematics
- ii. Laplace Transform and Advanced Calculus
- iii. Discrete Mathematics

Aptitude and Soft Skills courses offered for B.E/B.Tech programmes

- i. Aptitude and Soft Skills – I
- ii. Aptitude and Soft Skills – II
- iii. Aptitude and Soft Skills – III

Courses offered by PG Programmes

- i. Applied Mathematics For Power Systems Engineers
- ii. Linear Algebra, Probability And Queuing Theory
- iii. Applied Probability and Statistics
- iv. Statistics For Management
- v. Operations Research For Management
- vi. Probability and Statistics
- vii. Mathematical Foundations for Computer Applications.(Bridge Course)
- viii. Operations Research

Following are the observations and suggestions made by AU Nominee Dr. S. Rajaram:

He suggested that

- Along with the syllabus, blue print for question paper to be prepared.
- For Aptitude and Soft Skills: The following topics may be included , Self-Introduction, Group discussion, Job interview, Non-verbal Communication and Resume Preparation.

After the presentation, the following suggestions were given by the Mathematics Experts Dr. G. Mahadevan:

I. For the First semester course titled “Engineering Mathematics (24BS101)”

- In unit III , for Euler’s theorem, without proof to be mentioned.
- In reference book s, Schaum series to be included.

II. For the Second semester course titled “Laplace transform and Advanced Calculus (24BS201)”

- The Course title to be changed to “Advanced Calculus” instead of “Laplace transform and Advanced calculus”.

PG Program Courses:

- Unit number or chapter number to be mentioned in the respective reference books.
- “Problems and solutions in Operations Research by Gupta” to be included in Reference books”.
- For the course titled “Statistics for Management (24MB105)” – In Unit IV to specify ANOVA in One way and two way Classification.

Follow up Action:

- Title for the subject "Laplace transforms and advanced calculus (24BS201)" will be changed to "Advanced Calculus".
- In the references, the following books will be included:
"Schaum series" & "Problems and solutions in Operations Research"
- The corrections will be carried out in the course titled "Engineering Mathematics", "Statistics for Management" and "Aptitude and Soft Skills".

Prof.N.V.Karthikeyan, HOD/Physics presented the proposed syllabi of following Physics courses offered by B.E/B.Tech programs.

B.E/B.Tech program offered courses

Semester I

- i. Engineering Physics
- ii. Basic sciences Laboratory (Physics Laboratory)

Semester II

- iii. Physics for Electronics and Devices
- iv. Physics for Information sciences

After the presentation, the following suggestions were given by the Experts:

- Subject expert **Dr.A.K.Balasubramanian** suggested that Unit - IV (Quantum physics) in Engineering Physics course contains too many heavy topics. It may be reduced as per our desire.
- Anna University nominee **Dr. S. Rajaram** suggested to pay attention on capitalization and colons throughout the syllabus. Also, he suggested to concentrate on punctuations in Reference books.

Follow up Action:

- As per our Subject Expert's suggestion, we have reduced the fourth unit of Engineering Physics course by removing "three dimensional rigid box".
- We thank our AU nominee for his suggestions and the corrections would be reflected in the revised syllabus.

Mrs. O. D. Shakila, HOD/Chemistry, presented the proposed syllabi of following Chemistry courses offered by B.E/B.Tech programs.

B.E/B.Tech program offered courses

Semester I

- i. Engineering Chemistry
- ii. Basic sciences Laboratory (Chemistry Laboratory)

Semester II

- iii Environmental Science and Engineering

After the presentation, the following suggestions were given by the Expert

Semester - I Engineering Chemistry – I

1. Expert suggested to change the order of units, so that the Unit –V (Energy sources and storage devices) as Unit- II & Unit –II (Nano chemistry) as Unit –V.
2. Under Unit - I Electro dialysis and Waste water treatment are to be included.
3. Unit III is changed as Corrosion and Alloys instead of Phase rule and Alloys

Under Corrosion: Corrosion-Causes-factors-types-chemical, electrochemical corrosion (galvanic, differential aeration), corrosion control-material selection and design aspects-electrochemical protection-sacrificial anode method and impressed current cathodic method.

Semester – II Environmental Science and Engineering

1. Under Unit- IV e-waste management to be included.
2. Instead of Unit -V Human Population and Social issues, a new unit Sustainability and management is include.

Under Unit –V: SUSTAINABILITY AND MANAGEMENT

Development, GDP, sustainability – concept, needs and challenges- economic, social and aspects of sustainability –from unsustainability to sustainability – millennium development goals, and protocols – Sustainable Development Goals-targets, indicators and intervention areas. Climate change – Global Regional and local environmental issues and possible solutions – case studies. Concept of carbon Credit, Carbon Footprint. Environmental management in industry – A case study.

Follow up Action:

- We thank our Subject Expert and AU nominee for their useful suggestions and the corrections would be reflected in the revised syllabus.

Dr. A. Raviakkumar, HOD/English, presented the proposed syllabi of following English courses offered by B.E/B.Tech programmes.

After the presentation, the following suggestions were given by the Experts

1. Suggestions in 24HS101

Unit - I

Letter to the Principal - include various occasions.

E- Mail writing - Internal and External Business communication could be included.

Unit - III

Include Modals for Imperatives.

Assessment

MCQs, Sentence Completion, Fill in the blanks could be included.

2. 24HS1L1 - Lab

Unit - III

Include Video description along with Picture description.

Unit - IV

Replace Watching Video Online Repository for various topics on talking.

Assessment

Create G- Forms using YouTube videos.

End semester Assessment

PPT (100 picture slides) could be downloaded from shutter.com and could be talked on.

3. 24 HS201

1. Suggestions in 24HS101

Unit - I

Letter to the Principal - include various occasions.

E- Mail writing - Internal and External Business communication could be included.

Unit - III

Include Modals for Imperatives.

Assessment

MCQs, Sentence Completion, Fill in the blanks could be included.

2. 24HS1L1 - Lab

Unit - III

Include Video description along with Picture description.

Unit - IV

Replace Watching Video Online Repository for various topics on talking.

Assessment

Create G- Forms using YouTube videos.

End semester Assessment

PPT (100 picture slides) could be downloaded from shutter.com and could be talked on.

3. 24 HS201

Unit - I

Grammar - Remove Modals topic

Include Common Errors in Technical Writing.

Unit - III

Include Introduction to Word Processing Online Tools.

For Spelling Check, Grammarly, Quillbot could be used.

Unit - IV

Replace Conjunction with Coherence Markers.

Unit - V

LoR can be added

Template of SoP can be removed.

Assessment

TED Talk - Technical Presentations could be included.

One Model QP has to be set and sent to the External QP setter.

British Council, Cambridge, Oxford and like websites could be used along with Globarena.

Include Common Errors in Technical Writing.

Follow Up Action:

The above mentioned suggestions will be incorporated in the proposed syllabus

Presented the syllabi of the following open elective courses to be offered for all UG Programmes in R-2020 regulations

- 200E802 - Communication and Employability Skills
- 200E803 - English for Research Paper Writing

Mrs. S. Indira, Assistant Professor/ Tamil , presented the proposed syllabus of following Tamil courses offered by I Year B.E/B.Tech programs.

i. Heritage of Tamils

ii. Tamils and Technology.

Following are the observations and suggestions made by AU Nominee Dr. S. Rajaram:

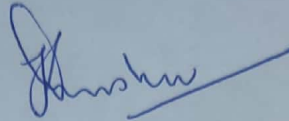
He suggested that, Syllabus oriented Tamil videos to be shown during the class hours.

Follow up Action:

The Suggestions to be carried out in the Tamil Courses.

BoS of S&H recommend the above resolutions to be presented in the Academic Council for further approval.

Dr. A. Raviakkumar, , Professor/English thanked all the members for their valuable suggestions. Meeting ended at 12.30 p.m.



Chairman / BoS S&H Department

Dr. J.K. Subashini, Professor & Head / Mathematics

Cc To : Academic Council, Principal and File.

K.L.N. COLLEGE OF ENGINEERING

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

Department of Master of Computer Applications

Date: 03.02.2024

The first Board of Studies meeting for Regulation 2024 was conducted on 03-02-2024(Saturday) at Board of Studies Room. The meeting was started exactly in the scheduled time 10:00 AM.

1. Members of Board of Studies

CHAIRMAN: Dr. MR.ILANGO, DIRECTOR / MCA

The faculty members of MCA department:

S. No.	Name of the faculty	Designation
1.	Dr. C. Ashok Baburaj	Member, Associate Professor
2.	Mr. R. Somas Kandan	Member, Associate Professor
3.	Mrs. M.S.C. Sujitha	Member, Assistant Professor
4.	Mr.P. Ganesh Babu	Member, Assistant Professor
5.	Mrs. S. Deepika	Member, Assistant Professor
6.	Mr. K.Tamilselvam	Member, Assistant Professor

2. Anna University Nominee

S. No.	Name of Member	Designation / Department	Institution Name
1.	Dr. S. Parthasarathy	Professor & Head/ Department of Applied Mathematics and Computational Science	Thiagarajar College of Engineering, Madurai, India – 625025.

3. Subject experts from outside the Parent University

S. No.	Name of Member	Designation / Department	Institution Name
1.	Dr. K. Kanagaraj	Associate Professor, Department of MCA	MEPCO Schlenk Engineering College, Sivakasi
2.	Dr. S.Sivagurunathan	Assistant Professor, Department of Computer Science and Applications	The Gandhigram Rural Institute-Deemed to be University, Gandhigram.

4. Industry expert

S. No.	Name of Member	Designation	Name of the industry
1.	Mr. G.S. Raman	Associate Director, Learning and Development	Happiest Mind Technologies, Madurai.

5. One postgraduate meritorious alumnus

S. No.	Name of Member	Designation	Name of the Industry/ Institute
1.	Mr. R. Aravindan	Tecnology Lead	Infosys Limited, Thiruvananthapuram, DNA

Minutes of the First Board of Studies Meeting – 03.02.2024 (Saturday)

The following points were discussed in the meeting.

- **Dr. MR. Ilango, Chairman /BOS** initiated the BOS meeting.
- **Mr.R.Somas Kandan, ASP / MCA** welcomed the members of BOS and Staff members of MCA department.
- First agenda is self introduction of MCA staff members. Staff members introduced themselves by informing their Qualification, Area of interest, over all Experience and Experience in KLNCE. They have also informed about their Ph.D. domain.
- **Dr. C. Ashok Baburaj, ASP / MCA** presented slides about the Regulations 2024
- **MCA Director Dr. MR. Ilango**, presented curriculum and syllabus of 2024 regulations. He has mentioned about Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Objectives (PSOs) of regulations 2024. He informed that courses are classified as Foundation Courses, Professional Core, Employability Enhance Courses and Professional Electives and audit courses. **Total credit is 84.**

Suggestions and recommendations by BOS members for MCA Programme:

1. The Audit Course exam should be in descriptive not in Objective mode and should be considered as exception for Award of Degree
2. Bridge Course only for Assessment purpose and should not be reflected in Mark sheet, and End semester examination to be executed by COE. Make Bridge course as three subjects in First and Second semester
3. In First semester change subject name as Modern Operating System instead of Operating system.
4. In second Semester remove Machine Learning Lab and introduce IoT Lab.
5. In 3rd Semester subject Full stack Web Development lab, remove the word Web and keep it as Full Stack Development Lab.
6. In 3rd Semester Include Mini Project Lab
7. Reference Books to be included with latest years of publications.
8. In Cloud Computing, include latest cloud software tools.
9. VR&AR to be included as an Elective Course instead of Web Programming Essentials.
10. In 3rd Semester Change the heading of Data Science as Foundation of Data Science.
11. In Elective III, Change the heading of Resource Management Techniques as Operation Research.
12. In IoT, include wireless networks in Unit 1 and also change Unit 4.
13. In 2nd Semester, for the subject Data Structures and Algorithms change the unit 5 name as NP-Problems.
14. Add Security concepts in IoT, ADB and Cloud Computing.
15. Mobile Computing subject can be removed and include Network Security and Cryptography / Security in Computing.
16. In Computer Organization include multicore Processing Topic in 5th Unit.
17. In Software Testing subject, Automated Testing tools to be included.
18. In Full Stack Development subject unit 5 to be changed.

Resolutions

- ❖ It has been decided to conduct the Audit course exam in objective mode using multiple choice questions as per previous regulations (i.e internal evaluation)
- ❖ For bridge courses, it has been decided to conduct the end semester examination by the COE and grades will be reflected in mark sheet but not considered for calculating overall CGPA. Also it has been decided to conduct three bridge courses in the first and second semester as suggested by BOS members.
- ❖ It has been decided to conduct the Machine Learning lab instead of IOT lab in the second semester.
- ❖ Finally it has been decided to make changes in all other above points as suggested by BOS members

BOS members have accepted the above resolutions.



**Dr. MR. Ilango, Director / MCA
Chairman / Board of Studies**

Name of the BOS Member	Designation	Signature
Dr. MR. Ilango	Chairman / Board of Studies	<i>Dr. MR. Ilango</i>
Dr. S. Parthasarathy	AU Nominee	<i>Dr. S. Parthasarathy</i> 02/02/2024
Dr. K. Kanagaraj	Subject Expert/ Other than Parent University	<i>Dr. K. Kanagaraj</i> 13/12/2024
Dr. S. Sivagurunathan	Subject Expert/ Other than Parent University	<i>Dr. S. Sivagurunathan</i> 3/12/24
Mr. G.S. Raman	Industry Expert	<i>G.S. Raman</i>
Mr. R. Aravindan	PG Alumnus	<i>R. Aravindan</i>

Name of the BOS Member	Designation	Signature
Dr. C. Ashok Baburaj	Member / BOS	<i>Dr. C. Ashok Baburaj</i>
Mr. R. Somas Kandan		<i>Mr. R. Somas Kandan</i>
Mrs. M.S.C. Sujitha		<i>Mrs. M.S.C. Sujitha</i>
Mr. P. Ganesh Babu		<i>Mr. P. Ganesh Babu</i>
Mrs. S. Deepika		<i>Mrs. S. Deepika</i>
Mr. K. Tamilselvam		<i>Mr. K. Tamilselvam</i>

Dr. MR. Ilango
Dr. MR. Ilango, Director / MCA
Chairman / Board of Studies

K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM – 630612
(An Autonomous Institution, Affiliated to Anna University, Chennai.)

DEPARTMENT OF MANAGEMENT STUDIES

Date :24-01-2024

Minutes of the Board of Studies Meeting, held on 24th January 2024 ,Wednesday .

Agenda :


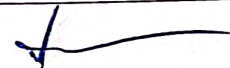
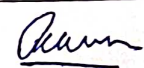
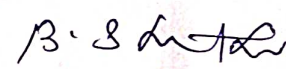
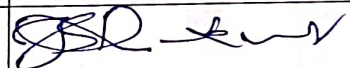

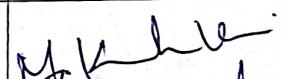

To consider and approve the Management subjects.

Members Present:

I-Details of the Expert Members:

S.No	Name of the Member & Designation	Category	Signature
1	Dr.Muthuvelan . C . Prof.& Head Department of Management Studies Anna University- Regional Campus ,Madurai	Anna University - Nominee	C. Muthuvelan 24/1/24.
2	Dr.Senthilarasu Professor Department of Management Studies National Institute of Technology,Trichy.	Subject Expert Member from Outside -Parent University	Senthilarasu
3	Dr.M.Soundrapandian Prof.& Head Department of Management Studies Gandhi Gram University ,Dindigul	Subject Expert Member from Outside -Parent University	M. Soundrapandian 24/1/24.
4	Mr.Somasundaram Manager ,Fenner India Madurai	Industry Expert	S. Somasundaram 24/1/24.
5	Mr.Suriya Prasanna Managing Director Digital Kyanite	Alumni	Suriya Prasanna 24/1/24.

II-Details of Internal Members:

S. No	Name of the Member	Designation	Signature
1.	Dr.T.Jothimurugan	Chairman – BoS&Director,MBA	
2.	Dr.S.N.R.Srikumar	Professor,MBA	
3.	Dr.R.S.Balasenthil	Associate Professor1	
4.	Mrs.B.Shanthi	Assistant Professor(SG)	
5.	Mr.T.S.Ramkumar	Assistant Professor(SG)	
6.	Mrs.T.Shobana Devi	Assistant Professor1	
7.	Mrs.M.Krishnaveni	Assistant Professor1	
8.	Mrs.S.P.Nandhini	Assistant Professor1	

- Dr.T.Jothimurugan, Chairman-BoS, welcomed the Board of Studies Expert Members and other Faculty members of MBA, KLNCE, and briefed about the purpose of getting approval for the management subjects PG Regulation-2024 . He requested the members to offer their contribution and suggestions in the proposed subjects.
- Dr.R.S.Bala Senthil presented the syllabus for MBA programme.
- List of Courses have been presented for approval in MBA BOS meeting.

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

DEPARTMENT OF MANAGEMENT STUDIES

Date: 24.01.2024

Members of the BOS discussed the following points:

The following suggestions were given by Dr.C.Muthuvelayutham:

- In first semester, Credits for 'Legal Aspects of Business' has to be increased from 3 to 4. The Credits for 'Management Concepts & Organizational Behaviour' may be reduced from 4 to 3.
- In second semester, 'Business Research Methods (seminar)' has to be switched over from Practical course category to Theory course category.
- The Seminar on Indian Ethos and Business Ethics needs to be shifted from the fourth semester to the practical course in the second semester
- As the students of MBA join from various undergraduate streams, the number of subjects in second semester may be reduced from the existing ten subjects to nine subjects, by withdrawing the subject 'International Business' , to reduce the burden of students.

The following suggestions were given by By Dr. B. Senthil Arasu:

- To adhere to the same Program Educational Objectives (PEOs) and Program Outcomes (POs) as outlined by Anna University.

The following suggestions were given by By Dr. M. Soundarapandian:

- In third semester, a subject titled 'Entrepreneurship and Startup Management' may be included.

The following suggestions were given by By Mr.S. Somasundaram:

- Advised to include the subjects 'Lean six sigma' and 'Robust Design' in Operations Management elective.

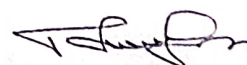
The following suggestions were given by By Mr.R. Suriya Prasanna:

- He suggested to include 'Entrepreneurship' as a subject in third semester. Also suggested that, "training the students with self-employable Value added courses , such as Tally prime which is an ERP-accounting package and also Inbound Marketing will enable and motivate them to become successful entrepreneurs'

Following are the resolutions and outcome made in the meeting.

- I. In the first semester the number of credits has been increased from 3 to 4 in the course 'Legal Aspects of Business'-24MB104 ,and hence the number of credits has been reduced from 4 to 3 in 'Management Concepts& Organisational Behaviour'-24MB102
- II. In second semester, 'Business Research Methods (seminar)'-24MB2E2 is transferred from Practical course category to Theory course category under Non Functional Elective, with subject code 24MB2N2.
- III. In second semester the course titled 'International Business'-24MB207 is withdrawn.
- IV. The Non Functional Elective course titled -'Entrepreneurship Development-24MB2N2', in the third semester is retitled and recoded as 'Entrepreneurship and Startup Management-24MB302' and shifted to fourth semester.
- V. The Seminar on 'Indian Ethos and Business Ethics' is shifted from the fourth semester to the practical course in the second semester with Subject code: 24MB2E2
- VI. Two new subjects 'Lean six sigma-24MB3P8' and 'Robust Design-24MB3P9' is introduced as Professional Elective subjects, under the stream 'Operations Management elective'.
- VII. It is planned to offer Tally prime which is an ERP-accounting package and also Inbound Marketing during the course.

Finally, Mrs.B.Shanthi, Assistant Professor (SG) / MBA, thanked all the members for their kind cooperation and for giving valuable suggestions for the enhancement of curriculum and syllabus.



Dr.T.Jothimurugan, Director / MBA
Chairman / Board of Studies

CC to: GB, ACM, Principal and IQAC
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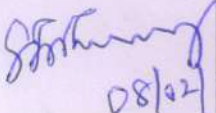
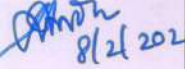

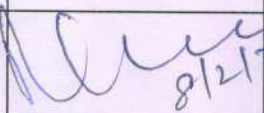


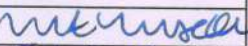
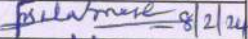
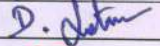

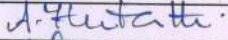
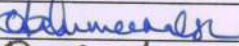
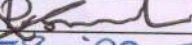


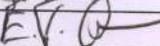
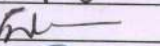
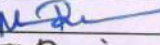
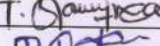



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DEPARTMENT OF MECHANICAL ENGINEERING

Ref: KLNCE/BoS/MECH/2024

08.02.2024

Minutes of Sixth Board of Studies Meeting**Members Present:**

S. No.	Name, Designation and Institute Details	Details of Members	Signature
1.	Dr.P.Udhayakumar Prof. & Head / Mechanical Engineering, K.L.N. College of Engineering,	CHAIRMAN	 08/02/24
2.	Dr.S.Karthikeyan Professor / Mechanical Engineering, Thiagarajar College of Engineering, Madurai - 625015.	ANNA UNIVERSITY NOMINEE	 08/02/2024
3.	Dr.S.Vinodh Professor/ Production Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	SUBJECT EXPERT (Other than Parent University)	 8/2/2024
4.	Dr. S.Saravana Perumaal Associate Professor, Department of Mechanical Engineering, National Institute of Teachers Training and Research, Chennai	SUBJECT EXPERT (Other than Parent University)	
5.	Er.R.Kishore Air Conditioning Systems Consultant, Madurai	INDUSTRY EXPERT	 8/2/24
6.	Er.S.Deebak Raj, General Manager – Operations, Polyspin Exports Limited, Rajapalayam.	POST GRADUATE MERITORIOUS ALUMNI	
7.	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering.	SPECIAL INVITEE	
8.	Dr.M.R.Thansekhar, Professor / Mech	INTERNAL MEMBER	
9.	Dr.P.Sabarinath ASP/Mech	INTERNAL MEMBER	 8/2/24
10.	Dr. D. Satheeshpandian ASP/Mech	INTERNAL MEMBER	
11.	Dr.V.Sivaram Kumar, ASP/Mech	INTERNAL MEMBER	 AB
12.	Dr .A. Hemalatha ASP/Mech	INTERNAL MEMBER	
13.	Dr.C. Anbumeenakshi ASP/Mech	INTERNAL MEMBER	
14.	Mr.R.V.Suresh Babu, ASP/ Mech	INTERNAL MEMBER	
15.	Dr.J.Rajesh Babu, ASP/ Mech	INTERNAL MEMBER	
16.	Mr.N.Rajkumar, ASP/Mech	INTERNAL MEMBER	
17.	Dr.D.Muthukrishnan, AP (Sr.Gr)/ Mech	INTERNAL MEMBER	
18.	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER	
19.	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER	
20.	Mr.M.Mohanraj, AP/Mech	INTERNAL MEMBER	
21.	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER	
22.	Mr.T.L.Vijayakumar AP/Mech	INTERNAL MEMBER	
23.	Mrs.B. Devi AP/Mech	INTERNAL MEMBER	

K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM – 630 612.
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DEPARTMENT OF MECHANICAL ENGINEERING

Ref: KLNCE/BoS/MECH/2024

08.02.2024

Minutes of Sixth Board of Studies Meeting

The Sixth Board of Studies meeting of Mechanical Engineering Department was conducted on 08.02.2024 (Thursday) at 11.00 a.m. at Mechanical Seminar Hall, Department of Mechanical Engineering, K.L.N. College of Engineering. (Hybrid Mode).

Meeting Link:

<https://meet.google.com/sqo-jice-ems>

Members Present:

S. No.	Name, Designation and Institute Details	Details of Members
i.	Dr.P.Udhayakumar Prof. & Head / Mechanical Engineering, K.L.N. College of Engineering,	CHAIRMAN
ii.	Dr.S.Karthikeyan Professor / Mechanical Engineering, Thiagarajar College of Engineering, Madurai - 625015.	ANNA UNIVERSITY NOMINEE
iii.	Dr.S.Vinodh Professor/ Production Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	SUBJECT EXPERT (Other than Parent University)
iv.	Dr. S.Saravana Perumaal Associate Professor, Department of Mechanical Engineering, National Institute of Teachers Training and Research, Chennai (Joined in ONLINE MODE)	SUBJECT EXPERT (Other than Parent University)
v.	Er.R.Kishore Air Conditioning Systems Consultant, Madurai	INDUSTRY EXPERT
vi.	Er.S.Deebak Raj, General Manager – Operations, Polyspin Exports Limited, Rajapalayam. (Joined in ONLINE MODE)	POST GRADUATE MERITORIOUS ALUMNI
vii.	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering.	SPECIAL INVITEE
viii.	Dr.M.R.Thansekhar, Professor / Mech	INTERNAL MEMBER
ix.	Dr.P.Sabarinath ASP/Mech	INTERNAL MEMBER
x.	Dr. D. Satheeshpandian ASP/Mech	INTERNAL MEMBER
xi.	Dr.V.Sivaram Kumar, ASP/Mech	INTERNAL MEMBER
xii.	Dr .A. Hemalatha ASP/Mech	INTERNAL MEMBER

xiii.	Dr.C. Anbumeenakshi ASP/Mech	INTERNAL MEMBER
xiv.	Mr.R.V.Suresh Babu, ASP/ Mech	INTERNAL MEMBER
xv.	Dr.J.Rajesh Babu, ASP/ Mech	INTERNAL MEMBER
xvi.	Mr.N.Rajkumar, ASP/Mech	INTERNAL MEMBER
xvii.	Dr.D.Muthukrishnan, AP (Sr.Gr)/ Mech	INTERNAL MEMBER
xviii.	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER
xix.	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER
xx.	Mr.M.Mohanraj, AP/Mech	INTERNAL MEMBER
xxi.	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER
xxii.	Mr.T.L.Vijayakumar AP/Mech	INTERNAL MEMBER
xxiii.	Mrs.B. Devi AP/Mech	INTERNAL MEMBER

Dr. P. Udhayakumar, Prof. & HOD, Chairman, BoS of Mechanical Engineering Department welcomed Anna University Nominee, Subject Experts (Other than Parent University), Industry Expert, Post Graduate Meritorious Alumni, Special Invitee and Internal Members of Mechanical Engineering Department.

The Suggestions from DAC members was discussed and considered for framing the curriculum and syllabus in BoS Committee.

Dr. P. Udhayakumar, Prof. & HOD, Chairman, BoS of Mechanical Engineering Department presented the following.

1. Presentation of B.E. - Mechanical Engineering curriculum (R2024) of I & II Semesters for the students admitted in the academic year 2024-25.

After the presentation, the following suggestions were given by the various Experts.

- i. 20GE1L1 Programming in C Laboratory can be changed as C Programming Laboratory.
2. Presentation of syllabus for Mechanical Engineering courses offered in I & II Semesters for the students admitted in the academic year 2024-25 by the faculty members as mentioned below.

- 24GE102 - Engineering Graphics – Dr.P.Sabarinath, ASP/ Mech

After the presentation, the following suggestions were given by the various Experts.

- i. Free hand sketching can be removed.
- ii. Introduction to Perspective Projection may be given in Unit V and may not be included for Examination
- iii. Include Drafting Packages as Demonstration.
- iv. Revise the Bloom's verb for COs and map COs with all PSOs.

- 24GE202 - Engineering Mechanics – Mr.M.Mohanraj, AP/Mech

After the presentation, the following suggestions were given by the various Experts.

- i. Case study and applications can be included.
- ii. NPTEL videos and Reference links can be given in addition to Reference books
- iii. Revise the Bloom's verb for COs and map COs with all PSOs.
- iv. Real time applications can be included as Tutorials.
 - 24GE2L2 - Industrial Practices Workshop – Dr.A.Hemalatha, ASP/Mech

After the presentation, the following suggestions were given by the various Experts.

- i. Exercises in each trade can be combined and reframed as a single exercise.
 - ii. Students may be asked to make a simple model combining all exercises on their own.
 - iii. Revise the Bloom's verb for COs and map COs with all PSOs.
3. Proposal and Presentation of New Value Added Courses (R2020) for the students admitted in the academic year 2021-22.
- Marine Refrigeration and Air conditioning

This value added course was requested for approval.

After the presentation, the following suggestions were given by the various Experts.

- i. Hands on training can be included.
 - ii. Advanced topics can be included.
4. Presentation of Credit Transfer Courses for B.E Mech. Engg. (Regulation 2020)

S. No.	Course Id	Course Name	Duration	Link
Vertical 1 – Design and Development				
1.	noc24-me58	Product Design and Manufacturing	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me58/preview
2.	noc24-de07	Usability Engineering	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_de07/preview
3.	noc24-de06	Understanding Incubation and Entrepreneurship	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_de06/preview
4.	noc24-me32	Finite Element Modeling Of Welding Processes	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me32/preview
Vertical 2 – Modern Manufacturing				
5.	noc24-me49	Mechanics Of Fiber Reinforced Polymer Composite Structures	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me49/preview
6.	noc24-me72	Advanced Machining Processes	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me72/preview

Vertical 3 – Clean Energy Technologies				
7.	noc24-me64	Turbulent Combustion: Theory and Modelling	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me64/preview
Vertical 4 – Robotics and Automation				
8.	noc24-me23	Robotics: Basics and Selected Advanced Concepts	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me23/preview
Vertical 5 – Industrial Engineering				
9.	noc24-me45	Machinery Fault Diagnosis And Signal Processing	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me45/preview
Vertical 6 – Modern Mobility Systems				
10.	noc24-me34	Fundamentals of Combustion	12 Weeks	https://onlinecourses.nptel.ac.in/noc24_me34/preview

The students enrolled for the credit transfer (NPTEL) courses during Jan 2024 and requested for approval.

After the presentation, the following suggestions were given by the various Experts.

- i. Other Online courses such as Coursera etc.. may also be considered for credit transfer courses.
5. Proposed Curriculum (R2024) for Mechanical Engineering course offered in I & VIII Semesters for the students admitted in the academic year 2024-25.

After the presentation, the following suggestions were given by the various Experts.

- i. Total number of credits should be mapped with AICTE requirements.
- ii. More number of Industry specific Courses can be included.
- iii. Curriculum for eight semesters can be prepared as per PSO requirements

Based on the suggestions given by the members, it is resolved to approve the B.E. - Mechanical Engineering curriculum (R2024) and syllabus for Mechanical Engineering courses offered in I & II Semesters for the students admitted in the academic year 2024-25 with the following modifications.

- The following corrections are made in the 24GE102 - Engineering Graphics syllabus
 - i. Introduction to Perspective Projection is added in Unit V and not included for Examination.
 - ii. Drafting Packages are included in syllabus as demonstration.
 - iii. Bloom's verb is revised for COs and COs are mapped with all PSOs.
 - iv. Free hand sketching is removed from Unit V.
- The following corrections are made in 24GE202 - Engineering Mechanics syllabus
 - i. Application and Case studies are included.

- ii. NPTEL videos and Reference links are given in addition to Reference books.
- iii. Bloom's verb is revised for COs and COs are mapped with all PSOs.
- iv. Real time applications can be as Tutorials.
- The following corrections are made in 24GE2L2 - Industrial Practices Workshop syllabus
 - i. Exercises in each trade are combined and reframed as a single exercise.
 - ii. Students may be asked to make a simple model combining all exercises on their own.
 - iii. Bloom's verb is revised for COs and COs are mapped with all PSOs.
- The proposed Value added Course for B.E Mech. Engg. (Regulation 2020) is approved.
- The proposed Credit transfer Courses for B.E Mech. Engg. (Regulation 2020) are approved.
- Board of Studies recommended the above resolutions to be presented in the forthcoming **Academic Council Meeting for further approval.**

Dr.A.Hemalatha, Associate Prof. / Mech proposed the Vote of Thanks.

Udlativ 08/02/2024

Dr.P. Udhayakumar
Professor & Head/ Mech. Engg
Chairman /BoS

Copy to Governing Body
 Academic Council
 Coordinator/IQAC
 Principal
 File