

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

(An Autonomous Institution affiliated to Anna University, Chennai)

DEPARTMENT OF MECHANICAL ENGINEERING

Ref: KLNCE/BoS/MECH/2023

27.02.2023

Minutes of Fifth Board of Studies Meeting

Members Present:

S. No.	Name, Designation and Institute Details	Details of Members	Signature
1	Dr.P.Udhayakumar Prof. & HOD, Department of Mechanical Engineering, K.L.N. College of Engineering, Pottapalayam – 630 612.	CHAIRMAN	Udhay
2	Dr.R.B.Anand Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	ANNA UNIVERSITY NOMINEE	Anand March 6, 2023
3	Dr.G.Saravana Kumar Professor, Department of Engineering Design, Indian Institute of Technology Madras Chennai	SUBJECT EXPERT (Other than Parent University)	ImL
4	Dr. T. Ramesh Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	SUBJECT EXPERT (Other than Parent University)	CR 122 6/3/2023
5	Dr.Balakrishnan Gopal Engineering Manager, Caterpillar India Pvt Ltd Chennai.	INDUSTRY EXPERT	B. Gopal
6	Dr. D. Threshkumar Principal, PTR College of Engineering and Technology, Madurai	POST GRADUATE MERITORIOUS ALUMNI	Threshkumar
7	Dr.M.R.Thansekhar, Professor / Mech	INTERNAL MEMBER	M. R. Thansekhar
8	Dr.P.Sabarinath ASP/Mech	INTERNAL MEMBER	P. Sabarinath
9	Dr. D. Satheeshpandian ASP/Mech	INTERNAL MEMBER	D. Satheeshpandian
10	Dr .A. Hemalatha ASP/Mech	INTERNAL MEMBER	A. Hemalatha
11	Dr.C. Anbumeenakshi ASP/Mech	INTERNAL MEMBER	C. Anbumeenakshi
12	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER	E. V. Ganeshbabu
13	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER	S. Nallathambi
14	Dr. N.Nagasubramanian AP/Mech	INTERNAL MEMBER	N. Nagasubramanian
15	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER	T. Samynathan
16	Mr.T.L.Vijayakumar AP/Mech	INTERNAL MEMBER	T. L. Vijayakumar
17	Mrs.B. Devi AP/Mech	INTERNAL MEMBER	B. Devi
18	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering	SPECIAL INVITEE	A. V. Ramprasad

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DEPARTMENT OF MECHANICAL ENGINEERING

Ref: KLNCE/BoS/MECH/2023

27.02.2023

Minutes of Fifth Board of Studies Meeting

The Fifth Board of Studies meeting of Mechanical Engineering Department was conducted on 25.02.2023 (Saturday) at 11.00 a.m. through ONLINE MODE.

Meeting Link:

<https://meet.google.com/sga-bzew-gfu>

Members Present:

S. No.	Name, Designation and Institute Details	Details of Members
1	Dr.P.Udhayakumar Prof. & HOD, Department of Mechanical Engineering, K.L.N. College of Engineering, Pottapalayam – 630 612.	CHAIRMAN
2	Dr.R.B.Anand Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	ANNA UNIVERSITY NOMINEE
3	Dr.G.Saravana Kumar Professor, Department of Engineering Design, Indian Institute of Technology Madras Chennai	SUBJECT EXPERT (Other than Parent University)
4	Dr. T. Ramesh Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	SUBJECT EXPERT (Other than Parent University)
5	Dr.Balakrishnan Gopal Engineering Manager, Caterpillar India Pvt Ltd Chennai.	INDUSTRY EXPERT
6	Dr. D. Threshkumar Principal. PTR College of Engineering and Technology, Madurai	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
10	Dr. D. Satheeshpandian ASP/Mech	INTERNAL MEMBER
11	Dr .A. Hemalatha ASP/Mech	INTERNAL MEMBER
12	Dr.C. Anbumeenakshi ASP/Mech	INTERNAL MEMBER
13	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER
14	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER
15	Dr. N.Nagasubramanian AP/Mech	INTERNAL MEMBER
16	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER
17	Mr.T.L.Vijayakumar AP/Mech	INTERNAL MEMBER
18	Mrs.B. Devi AP/Mech	INTERNAL MEMBER

The following faculty members Dr.D.Muthukrishnan, AP/ Mech & Mr.M.Mohanraj, AP/ Mech were on leave on that day due to their personal work.

Dr.M.R.Thansekhar, Prof. /Mechanical Engineering Department welcomed the Chairman/ BoS, Anna University Nominee, Subject Experts (Other than Parent University), Industry Expert, Post Graduate Meritorious Alumni 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 Syllabus for B.E. - Mechanical Engineering courses offered in the V to VIII Semesters for the students admitted in the academic year 2021-22.

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

- The following recommendations are suggested in the syllabus of verticals

(i) Engine Pollution and Control

Prerequisite

Unit I – Title to be changed

(ii) Alternate fuels for IC Engines

Unit II – Title should be changed

Publishers Name for Text books to be included.

Reference books to be changed

2. Proposal and Presentation of Syllabus of Value added Courses for B.E Mech. Engg.

(Regulation 2020)

- Design Thinking And Innovation
- Geometric Dimensioning And Tolerancing
- Digital Marketing
- Machine Vision System In Digital Transformation
- Integrated Building Management System
- Iot For Mechanical Engineers
- The Chairman, BoS recommended the value added course “Geometric Dimensioning And Tolerancing” and put up in the Standing Committee Meeting. The course was conducted for the final year students during Jan 2023 and requested for approval.

3. BoS Chairman said that, the course titled Engineering Graphics (20GE201) has been offered as theory cum practical course (L/T/P/C of 2/0/2/3) for the students admitted in the AY 2020-2021 & 2021-2022. The above said course will be offered as theory course (L/T/P/C of 3/0/0/3) with the course code 20GE206 titled as Engineering Graphics for the students admitted from the AY 2022-2023 onwards.

4. Presentation of Credit Transfer Courses for B.E Mech. Engg. (Regulation 2020)

S. no	Course Id	Course Name	Duration	Start date	End date	Exam date	Enrolment End date	Click here to join the course
Manufacturing stream								
1.	noc23-me14	Product Design and Manufacturing	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me14
2.	noc23-me43	Introduction To Mechanical Micro Machining	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me43

3.	noc23-me49	Welding Metallurgy	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me49
4.	noc23-me67	Robotics: Basics and Selected Advanced Concepts	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me67
5.	noc23-me51	Advanced Robotics	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me51
Thermal Stream								
6.	noc23-me04	Computational Fluid Dynamics for Incompressible Flows	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me04
7.	noc23-me10	Turbulent Combustion: Theory And Modelling	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me10
8.	noc23-me32	Inverse Methods in Heat Transfer	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me32
Design Stream								
9.	noc23-de01	Fundamentals of Automotive Systems	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_de01
10.	noc23-de04	Understanding Incubation and Entrepreneurship	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_de04
11.	noc23-de07	Usability Engineering	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_de07

12.	noc23-mg51	Quality Design And Control	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 29, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg51
13.	noc23-mg57	Organizational Design Change and Transformation	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_mg57
14.	noc23-me58	Finite element modeling of welding processes	12 Weeks	Jan 23, 2023	Apr 14, 2023	Apr 30, 2023	Jan 30, 2023	https://onlinecourses.nptel.ac.in/noc23_me58

The Chairman, BoS recommended the above mentioned credit transfer courses and put up in the Standing Committee Meeting. The students enrolled for the courses during Jan 2023 and requested for approval.

5. Presentation of verticals to be offered for the award of B.E. / B. TECH. (HONOURS) / MINOR DEGREE (OPTIONAL)

VERTICALS FOR MINOR DEGREE

(In addition to all the verticals of other programmes)

Vertical I	Vertical II	Vertical III	Vertical IV	Vertical V
Fintech and Block Chain	Entrepreneurship	Public Administration	Business Data Analytics	Environment and Sustainability
Financial Management	Foundations of Entrepreneurship	Principles of Public Administration	Statistics for Management	Sustainable infrastructure Development
Fundamentals of Investment	Team Building and Leadership Management for Business	Constitution of India	Datamining for Business Intelligence	Sustainable Agriculture and Environmental Management
Banking, Financial Services and Insurance	Creativity and Innovation in Entrepreneurship	Public Personnel Administration	Human Resource Analytics	Sustainable Bio Materials
Introduction to Block chain and its Applications	Principles of Marketing Management for Business	Administrative Theories	Marketing and Social Media Web Analytics	Materials for Energy Sustainability
Fintech Personal Finance and	Human Resource Management for Entrepreneurs	Indian Administrative System	Operation and Supply Chain Analytics	Green Technology

Payments				
Introduction to Fintech	Financing New Business Ventures	Public Policy Administration	Financial Analytics	Environmental Quality Monitoring and Analysis
-	-	-	-	Integrated Energy Planning for Sustainable Development
-	-	-	-	Energy Efficiency for Sustainable Development

The verticals for award of minor degree may be the "Specialization in Mechanical Engineering" and not on General Topics.

Based on the suggestions given by the members, it is resolved to approve the Syllabus for B.E. - Mechanical Engineering courses offered in the V to VIII Semesters for the students admitted in the academic year 2021-22 with the following modifications.

- The following corrections are made in the syllabus

(i) Engine Pollution and Control

Unit I – Title changed as Introduction to Engine Pollution.

(ii) Alternate fuels for IC Engines

Unit II – Title changed as SYNTHETIC FUELS OR DERIVED FUELS

Publisher name for Text Book is added

1 .Ramachandran S., Rapid Thermodynamic Simulation Model of an Internal Combustion Engine on Alternate Fuels IMECS 2009, March 18-20, 2009, Hong Kong.

Reference book is changed

2. S.S. Thipse, Alternative Fuels, Jaico Publishing House, 2010

6. The BoS members approved the offered Engineering Graphics as theory course (L/T/P/C of 3/0/0/3) with the course code 20GE206 for the students admitted from the AY 2022-2023 onwards.

- The proposed Value added Courses for B.E Mech. Engg. (Regulation 2020) are approved.
- The proposed Credit transfer Courses for B.E Mech. Engg. (Regulation 2020) are approved.

- Regarding Minor degree, the suggestions of BoS Members will be discussed with other Department Chairmen/ BoS in the upcoming standing committee meeting for further action.

- 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.

Udhay

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

Copy to Governing Body
Academic Council
Coordinator/IQAC
Principal
File

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

Sivagangai District

(An Autonomous Institution, Affiliated to Anna University, Chennai) Ref:KLNCE/BoS/EEE/2023






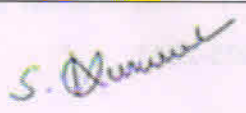

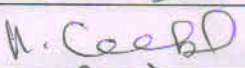

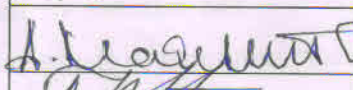




25.02.2023


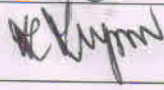
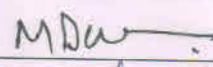
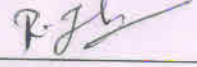


Fifth Board of Studies meeting-16.02.2023**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****Minutes of the Meeting**

The fifth Board of Studies (BoS) meeting of the Department of Electrical and Electronics Engineering was held on 16th February 2023, 2:00pm, through online mode.

(meeting link: <https://meet.google.com/mtv-hsdt-gzj>)

The following members were present;

S.No	Details of Members		Signature
1	Dr.S.M.Kannan, Professor &Head, EEE	Chairman	
2	Dr.M.Geethanjali, Professor, EEE, Thiagarajar College of Engineering, Madurai.	Anna University nominee	
3	Dr.R.Rajathy, Associate Professor, Pondicherry Engineering College, Puducherry	Subject experts from outside the Parent University	
4	Dr.G.Y.Rajaa Vikhram, Assistant Professor, EIE, SRM Institute of Science and Technology		
5	Mr.Balaji Gopalsamy, NXP Semiconductors, Bengaluru	Member representing corporate sector	
6	Dr.Kuruseelan, Assistant Professor, Vellore Institute of Technology, Chennai.	Member representing Postgraduate meritorious alumnus	
7	Dr.S.Venkatesan, Professor,EEE	Internal members	
8	Dr.K.Gnanambal, Professor,EEE		
9	Dr.S.Parthasarathy, Professor,EEE		
10	Mr.A.Marimuthu, Associate Professor/EEE		
11	Dr.P.Loganthurai, Associate Professor/EEE		
12	Dr.M.Jegadeesan, Associate Professor/EEE		
13	Dr.C.Vimala Rani, Associate Professor/EEE		
14	Dr.S.Manoharan, Assistant Professor(Sr.Gr)/EEE		

15	Dr.M.GaneshKumari, Assistant Professor(Sr.Gr)/EEE	Internal members	
16	Mr.M.Jeyamurugan, Assistant Professor(Sr.Gr)/EEE		
17	Mr.M.Balamurugan, Assistant Professor/EEE		
18	Mr.R. Jeyapandi Prathap, Assistant Professor/EEE		
19	Mr.N.Vimal Radha Vignesh, Assistant Professor/EEE		
20	Mrs.R.Sridevi, 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 the minutes of the fourth Board of Studies meeting held on 15th July 2022. During the meeting, the members approved the following, after incorporating the suggestions given by them

BoS.04.01.01.: B.E. Electrical and Electronics Engineering - VII and VIII semester Curriculum and Syllabus to be followed from the Academic year 2023-2024.(Regulation 2020-for those joined in the Academic year 2020-2021)

BoS.04.01.02.: Seventh semester Open Electives (Curriculum) offered by other Departments for B.E.-EEE and seventh semester Open Electives (Curriculum and Syllabus) to be offered to other Departments by EEE Department to be followed from the Academic year 2023-2024.

BoS.04.01.03.: Online courses for credit transfer, Value Added Courses and provision for studying eighth semester courses in sixth and seventh semester.

BoS.04.01.04.Proposal for starting of new Program-B.E. Electrical and Computer Engineering-presentation of curriculum of I to VIII semester and syllabus of I & II semesters.

The minutes of the fourth Board of Studies meeting held on 15th July 2022, were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the Fifth Academic council meeting held on 24th September 2022.

BoS 05.01: Business brought forwarded by the Chairman,BoS.

To consider and approve

BoS.05.01.01.: B.E.-Electrical and Electronics Engineering program curriculum - V to VIII semesters and syllabus of V-VI semesters-to be approved and followed from the Academic year 2023-2024.(for those students admitted during the academic years, 2021-2022, 2022-2023),including professional electives as verticals, as per the Regulations of Anna University 2021.

BoS.05.01.02. Online courses for credit transfer .

Dr.S.M.Kannan, Chairman, presented the proposed, B.E. Electrical and Electronics Engineering, curriculum, V-VIII semesters and syllabus of V and VI semesters. He informed that the curriculum was framed as per the guidelines of AICTE, UGC and Anna University, Chennai. The detailed syllabus includes the pre-requisites, objectives, six course outcomes, one of which should be atleast apply level, recent publications of text and reference books. He informed that, in view of the introduction of Vertical concepts of Professional Electives, classification of degrees as Honors, minor, specialization, shifting of all theory courses from VIII semester to previous semesters, as per the directions of Anna University(**letter No.5749/AU/CAC/Honors/2022,Dated 16.11.2022**), the curriculum from V-VIII is slightly modified with respect to Regulation 2020. There is no change in the curriculum and syllabus from I-IV semesters and most of the syllabus from V-VI semesters are the same as that followed for those students admitted in 2020-2021(Regulation 2020).

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

Under each vertical, six to eight courses are listed as professional electives. The following norms are to be followed while choosing the professional electives, as per Anna University guidelines, the chairman added.

Registration of Professional Elective Courses from Verticals (as per Anna University):

Professional Elective Courses will be registered in Semesters V, VI and VII. These courses are listed in groups called verticals that represent a particular area of specialization / diversified group. Students are permitted to choose all the Professional Electives from a particular vertical or from different

verticals. Further, only one Professional Elective course shall be chosen in a semester horizontally (row-wise). However, two courses are permitted from the same row, provided one course is enrolled in Semester one and another in semester the next semester.

The registration of courses for B.E./B.Tech (Honours) or Minor degree shall be done from Semester V to VIII. The procedure for registration of courses explained above shall be followed for the courses of B.E./B.Tech (Honours) or Minor degree also. The details are given below.

B.E. / B. Tech. (Hons) Specialisation in the same discipline, B.E. / B. Tech. (Hons) and B.E. / B. Tech. minor in other specialization

(i) B.E./B.Tech. Honours (specialisation in the same discipline):

a. The student should have earned additionally a minimum of 18 credits from a vertical of the same programme.

b. Should have passed all the courses in the first attempt.

c. Should have earned a minimum CGPA of 7.50.

(ii) B.E / B.Tech. Honours

a. The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same programme.

b. Should have passed all the courses in the first attempt.

c. Should have earned a minimum CGPA of 7.50.

(iii) B.E./B.Tech. (minor in other specialisation) The student should have earned additionally a minimum of 18 credits in any one of the verticals of other B.E./B.Tech programmes or from any one of the following verticals

VERTICAL I: FINTECH AND BLOCK CHAIN

VERTICAL II: ENTREPRENEURSHIP VERTICAL

III: PUBLIC ADMINISTRATION VERTICAL

IV: BUSINESS DATA ANALYTICS VERTICAL

V: ENVIRONMENT AND SUSTAINABILITY

B.E./ B. Tech. (Hons) Specialisation in the same discipline, B.E / B.Tech. Honors and B.E./B.Tech. minor in other specialisation degree will be optional for students.

For the categories 1 (i) to 1(ii), the students will be permitted to register the courses from V Semester onwards provided the marks earned by the students until III semester should be of CGPA 7.50 and above and cleared all the courses in the first attempt.

For the category 1 (iii), the students will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above.

The members had through discussion and suggested the following.


1. The professional elective, Principles of Digital Signal Processing , may be offered as a core course which will help them to get more insight on signal processing , placement and for higher studies.
2. The sequence of courses in most of the verticals is as in order, few re- arrangement may be done in for the vertical Embedded Systems, if Principles of Digital signal Processing is offered as core course.
3. In every semester, atleast one course on theory cum laboratory component may introduced. Only one theory cum laboratory component in each semester will be useful.

BoS 05.01.01: Resolved to Approve 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.

BoS.05.01.02. Resolved to Approve Online courses for credit transfer .

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.



Chairman /BoS

Cc to above members.

K.L.N. COLLEGE OF ENGINEERING

(An Autonomous Institution, Affiliated to Anna University Chennai)

POTTAPALAYAM – 630 612



FIFTH BOARD OF STUDIES MEETING – MINUTES

Google Online Meet

PERIOD – FEBRUARY 2023

Department of Electronics and Communication Engineering

Minutes of Fifth Board of Studies Meeting held on 25th February 2023 at 11.00 A.M.

Mode: Through Online

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

K.L.N. College of Engineering - Pottapalayam – 630 612
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www.klnce.edu

Department of Electronics and Communication Engineering
K.L.N. College of Engineering, Pottapalayam – 630 612
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Fifth Board of Studies Meeting

Mode: Through Online

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

Date & Time: 25.02.2023 & 11.00 A.M.

AGENDA

The Fifth Board of studies Meeting was convened to get the approval for the detailed modified V semester syllabus, list of verticals for VI semester, Professional Electives, R 2023 for I semester B.E and M.E Communication system.

BoS / ECE 5.1:	Welcome address
BoS / ECE 5.2:	Review of the Minutes of the Fourth Board of Studies Meeting for the Department of Electronics and Communication Engineering held on 18 th July 2022 and action taken report for the fourth meeting of Board of Studies.
BoS / ECE 5.3:	Business brought forward by the Chairman, Board of studies modification in UG R2020 V semester syllabus, list of verticals for VI semester and Professional Electives. New curriculum R2023 for I semester B.E. Electronics and Communication Engineering. Detailed syllabus for R2023 M.E Communication system. Presentation of value-added course and online credit transfer course.
BoS / ECE 5.4:	Suggestions given by the BOS Members
BoS / ECE 5.5:	Vote of thanks





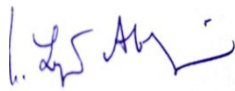

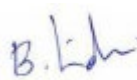
Department of Electronics and Communication Engineering








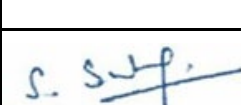



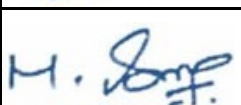


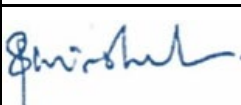

MINUTES OF THE MEETING




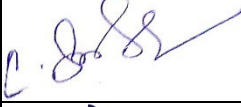
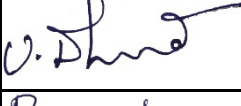


Fifth Board of Studies meeting for the Electronics and Communication Engineering Department of K.L.N. College of Engineering was held on 25th February 2023 at 11.00 A.M. through online mode.

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

The following members were present:

S.No	Name of the Member and Designation	Role	Signature
1	Dr.V.Kejalakshmi, Professor & HOD, KLNCE	Chairman	
2	Dr.M.Poongothai, Associate Professor/ECE Coimbatore Institute of Technology, Coimbatore	Anna University Nominee	
3	Dr.A.Sivanantha Raja, Professor & HOD/ECE AlagappaChettiar Government College of Engineering and Technology, Karaikudi	Special Invitee	
4	Dr.D.Sriram Kumar, Professor/ECE National Institute of Technology, Tiruchirappalli	Subject Expert	
5	Dr.U.Syed Abudhagir, Associate Professor/ECE B.V. Raju Institute of Technology, Narsaur, Medak, Telangana	Subject Expert	
6	Mr.R.B.Anent Prakash, Senior Manager Synopsis Inc., Bangalore	Member representing Industry	
7	Dr.B.Sridevi, Professor & HOD/ECE Velammal Institute of Technology, Chennai	Member representing Post-graduate meritorious alumnus	

S.No	Name of the Member and Designation	Role	Signature
8	Dr.S.C.SIVAPRAKASH, Professor	Internal Members	
9	Dr.R.JEYANTHI, Professor		
10	Dr.N.JANAKIRAMAN, Professor		
11	Mr.S.R.NARESH, Associate Professor		
12	Dr.P.KARPAGAVALLI, Associate Professor		
13	Dr.R.MOHAN KUMAR, Associate Professor		
14	Dr.B.BUVANESWARI, Associate Professor		
15	Dr.S.SUBHA, Associate Professor		
16	Dr.P.S.KUMARESH, Assistant Professor (SG)		
17	Mrs.R.THILAGAVATHY, Assistant Professor (Sr.Gr)		
18	Ms.L.MEENAKSHI, Assistant Professor (Sr.Gr)		
19	Mrs.M.AMUDHA, Assistant Professor (Sr.Gr)		
20	Mrs.T.R.MUTHU, Assistant Professor (Sr.Gr)		
21	Mrs.S.INDUMATHI, Assistant Professor.		
22	Mr.S.RAVI SANKAR, Assistant Professor		
23	Mr.D.ANAND, Assistant Professor		

S.No	Name of the Member and Designation	Role	Signature
24	Mrs.A.MEENA, Assistant Professor	Internal Members	
25	Mrs.R.PAVITHRA, Assistant Professor		
26	Mr.S.SELVA KUMAR, Assistant Professor		
27	Mrs.C.SASIREKHA, Assistant Professor		
28	Mrs.U.DHIVYA, Assistant Professor		
29	Mrs.R.ANGAYARKANNI, Assistant Professor		
30	Mr.B.BALAN, Assistant Professor		

BoS / ECE 5.1:	<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 Fifth Board of Studies and thanked each of them for sparing their valuable time to attend the meeting</p>
BoS / ECE 5.2:	<p>TO CONFIRM THE MINUTES OF FOURTH BOS MEETING HELD ON 18.07.2022</p> <p>The minutes of the Fourth Board of Studies meeting held on 18.07.2022 were communicated to the members. The comments received have been incorporated and the same was approved by the Fifth Academic council Meeting held on 24.09.2022.</p>
BoS / ECE 5.3.1	<p>TO CONFIRM AND APPROVE</p> <p>Modified V semester syllabus, list of verticals for VI semester Professional Electives for the students admitted from 2021-2022 academic year onwards.</p> <p>RESOLVED TO APPROVE</p> <p>Proposed modification for V Semester syllabus, list of verticals for VI semester and Professional Electives.</p>
BoS / ECE 5.3.1	<p>TO CONFIRM AND APPROVE</p> <p>As per feedback received from students and faculty members the unit arrangements for the course 20EC404 - Analog Electronics and Integrated Circuits are rearranged</p> <p>RESOLVED TO APPROVE</p> <p>Proposed Request to change the arrangements</p>
BoS / ECE 5.4	<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

- Vertical 4 in R2020 - revised curriculum can be named as emerging technologies.
- In the course, embedded system design prescribed in R2020 – revised curriculum, first unit shall consist of microprocessor, second unit with 8051, and ARM controller in third unit, peripherals of ARM in fourth unit and RTOS in fifth unit.
- The existing code 20EC404 - Analog Electronics and Integrated Circuits, can be changed accordingly.
- In Embedded system design laboratory course, basic 8051 experiments and high end processors such as Cortex M4 can be included by reducing the number of interfacing experiments.
- In IoT enabled system design course offered under the vertical titled Embedded and IoT, practical components may be included.

BoS / ECE 5.5

Vote of thanks

Ms.L.Meenakshi, 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.

- Vertical 4 in R2020 – revised curriculum is titled as Artificial Intelligence and Machine learning Techniques.
- The syllabus for Embedded system design prescribed in R2020 – revised curriculum is formulated with Microprocessor as first unit, microcontroller as second unit, ARM microcontroller as third unit, peripherals for ARM in fourth unit and RTOS in fifth unit.
- In the Embedded system design laboratory course, basic 8051 experiments and Cortex M4 were included.
- Unit I of the course, 20EC404 -Analog Electronics and Integrated Circuits, can be brought as Unit V, Unit II as Unit I and Unit III as Unit II, Unit IV as Unit III and Unit V as Unit IV.
- The IoT enabled system design course, offered under the vertical titled Embedded and IoT has been framed as theory cum practical course.

CHAIRMAN / ECE BOARD

ENCL:

1. Modified syllabus for V semester and list of verticals for VI Semester.
2. R2023 Curriculum for I Year B.E ECE and detailed syllabus of circuit and analysis.
3. R2023 Curriculum and Syllabus for R2023 M.E. Communication system

CC to General Body, Academic Council, Principal, File

sriram kumar Dhamodharan

Dr. Syed Abudhagir Umar

01 - R2020a - ...
02 - Verticals - Syllabus - ...
03 - R2023 - C...
04 - R2023 - ...
05 < >
+ Create

Edit
Convert
Sign
More
Find text or tools

Course Name: Digital System Design

UNIT - I
8051 MICROCONTROLLER AND PROGRAMMING
9
Introduction to Microcontrollers - Architecture of 8051 - Registers - Pin Description - Connections - Input and Output Ports - Memory Organization - Instruction set - Addressing Modes - Assembly language programming - Embedded C Programming - Counters & Timers - Serial data communication.

UNIT - II
ARM ARCHITECTURE AND PROGRAMMING
9
Architecture - memory organization - addressing modes - The ARM Programmer's model - Registers - Pipeline - Interrupts - Coprocessors - Interrupt structure - ARM general Instruction set - Thumb instruction set.

UNIT - III
PERIPHERALS OF 8051 MICROCONTROLLER
9
8051: Interrupts Programming - LCD & Keyboard Interfacing - Sensor Interfacing - External Memory Interface - SPI - I²C - Stepper Motor - ADC & DAC Waveform generation.

UNIT - IV
PERIPHERALS OF ARM MICROCONTROLLER
9
ARM: I/O Memory - EEPROM - I/O Ports - Timer - UART - ADC/DAC Interfacing - Serial Bus communication protocols - RS232 standard - USB - CAN Bus - Wireless protocol based on WiFi, Bluetooth, Zigbee.

UNIT - V
RTOS BASED EMBEDDED SYSTEM DESIGN
9
Introduction to basic concepts of RTOS - Need, Task, process & threads - interrupt routines in RTOS - Multiprocessing and Multitasking - Preemptive and non-preemptive scheduling - Task communication - context switching - interrupt latency - deadline shared memory - message passing - Inter process communication - synchronization between processes - semaphores - Case study: µC/OS-III.

1
29
meenakshi lakshmi narayanan

Credit Transfer Courses List

submission for approval

Course duration: 12 weeks	
noc23-hs52	English Language for Competitive Exams
noc23-mg05	Data Analysis and Decision Making - I
noc23-mg27	Decision making with spreadsheet
noc23-mg28	Leadership and Team Effectiveness
noc23-ph09	Fluid Dynamics for Astrophysics
noc23-ae01	Aircraft Design
Course duration: 8 weeks	
ns_noc23_ge22	Roadmap for patent creation
Course duration: 8 weeks	
noc22-cs65	Big Data Computing

Sivanantha Raja A

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

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: KLNCE/BoS/CSE/2023/01






24.04.2023


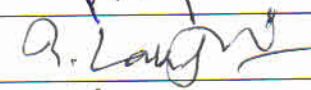



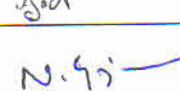






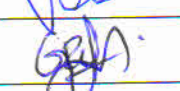




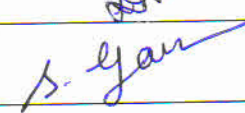
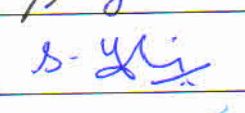



Minutes of Fifth Board of Studies Meeting

The Fifth Board of Studies meeting of Computer Science and Engineering department was conducted on 24.04.2023 at 03.00 p.m. through online.

Meeting Link: <https://meet.google.com/jhb-knmw-iiiz>

Members Present:

S. No.	Name of the Members	Category	Signature
1	Dr.S.Miruna Joe Amali Prof. & HoD, Department of Computer Science and Engineering, K.L.N. College of Engineering, Pottapalayam – 630 612.	CHAIRMAN	
2	Dr.N.Ramasubramanian Professor , Department of Computer Science and Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	ANNA UNIVERSITY NOMINEE	
3	Dr. T. Subbulakshmi Professor , Department of Computer Science and Engineering, Vellore Institute of Technology, Chennai – 600 127.	SUBJECT EXPERT (outside the Parent University)	 Dr. T. Subbulakshmi, Professor, SCOPE, VIT Chennai, Date : 06-06-2023
4	Dr. R. Ramalakshmi Professor , Department of Computer Science and Engineering, Kalasalingam University, Krishnankoil -626 128.	SUBJECT EXPERT (outside the Parent University)	 24/4/23
5	Mr.A.P.Vinoth Kumar Senior IT Analyst – SAP SPP, Neovia Logistics, Chennai.	Industry Expert	In absentia
6	Mr.K.J.Ashok Babu Information Security Consultant -PCI, Stickman Consulting Pvt. Ltd., Shivaji Nagar, Bangalore – 560001.	Postgraduate Meritorious Alumnus	

S. No.	Name of the Members	Category	Signature
7	Dr.P.R.Vijayalakshmi Professor / CSE	Member	
8	Dr. R. Lakshmi, ASP / CSE	Member	
9	Mr.D.Pravin Kumar ASP / CSE	Member	
10	Dr. P. Prem Kumar, ASP/CSE	Member	
11	Dr. S. Subhashini, ASP/CSE	Member	
12	Mrs. N. Gajalakshmi, ASP/CSE	Member	
13	Dr. R. Karthick, ASP/CSE	Member	
14	Mrs.V.Karpagam AP (Sr. Gr.) / CSE	Member	
15	Mr.J.Sulthan Ali Khan AP (Sr. Gr.) / CSE	Member	
16	Mrs.R.Kirubahari AP / CSE	Member	
17	Mr.D.Prabhu AP / CSE	Member	
18	Mrs.S.Venkatalakshmi AP / CSE	Member	
19	Mrs. G. Rajeswari, AP/CSE	Member	
20	Mrs. S. Maria Shobana, AP/CSE	Member	
21	Mr. M. Arul Selvan, AP/CSE	Member	
22	Ms. S. Sangamitra, AP/CSE	Member	
23	Mrs. D. Thanga Maari, AP/CSE	Member	
24	Mrs. S. Gayathri, AP/CSE	Member	
25	Mrs. S. Yoheswari, AP/CSE	Member	
26	Mrs. K. Usha Rani, AP/CSE	Member	
27	Mrs. K. Vanithamani, AP/CSE	Member	
28	Dr.A.V.Ramprasad Principal, K.L.N. College of Engineering, Pottapalayam – 630 612.	Special invitee	

At the outset, on behalf of KLNCE Management, Principal and Department of CSE, Dr.S. Miruna Joe Amali, Prof. & HoD, Chairman, Board of Studies of CSE department welcomed the Anna University Nominee, BoS of CSE department, other BoS members from various reputed academic institutions and from industries. Also, she welcomed all the members joined in the meeting.

Dr. A.V.Ramprasad, Principal, KLNCE welcomed all the experts and invited the experts to share their intelligible comments in enhancing the syllabus of B.E. CSE and B.E. CSE (Cyber Security) programs and also appreciated all faculty members of CSE department for their effort put on to framing the curriculum and syllabus.

Dr. S. Miruna Joe Amali, Professor and Head of CSE department presented the following as per the following agenda.

- Revised R2020 curriculum for semesters I to VIII of B.E. CSE after including verticals for the students admitted during AY 2021 – 2022, 2022 – 2023 and 2023 – 2024.
- Syllabus for semesters V and VIII of B.E. CSE courses
- Revised R2020 curriculum for semesters I to VIII of B.E. CSE (Cyber Security) after including verticals for the students admitted during AY 2022 – 2023 and 2023 – 2024.
- Syllabus for semesters I and VI B.E. CSE (Cyber Security) courses
- Syllabus for semesters V and VIII vertical courses (Professional Electives)
- Credit Transfer courses, Value Added Courses and Fast Track Courses.

BoS Chairman explained the following changes in R2020 curriculum for B.E. CSE and B.E. CSE (Cyber Security)

- The norms and requirements for B.E. Honours, B.E. Honours with Specialization and B.E. Minors.
- Inclusion of 2 one credit (over and above overall credits) Tamil courses namely Heritage of Tamil and Tamils and Technology during II and III semester for students admitted in AY 2022 – 2023 and I and II Semester for students admitted in AY 2023 – 2024 for B.E. CSE and B.E. CSE (Cyber Security).
- Combining 2 one credit English laboratory courses into 1 two credit course named Professional Communication Laboratory during II semester for students admitted in AY 2022 – 2023 and 2023 – 2024.

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

Dr.N.Ramasubramanian, Prof. / CSE, NIT, Trichy appreciated that the curriculum has been revised as per requirements. Professor recommended the following suggestions towards the B.E. CSE and B.E. CSE (Cyber Security) curriculum and syllabus.

1. Suggested to reduce the number of verticals given to the students to avoid overload.
2. Verticals and the courses in a vertical should be framed based on employment needs.

3. Data Science courses to be included in all verticals or core courses for better employment.

Dr.T.Subbulakshmi, Prof. /CSE, VIT, Chennai suggested the following comments.

1. Suggested to modify Emerging Technology vertical to include recent courses like Agile Technologies, Cloud Application Development to be included.
2. Secure Coding Techniques to be included in B.E. CSE (Cyber Security)
3. Suggested to include security concepts in major core subjects and also to include security concept in each phase of Software Engineering course.

Dr.R.Ramalakshmi, Prof. / CSE, Kalasalingam University, Krishnankoil suggested the following comments.

1. Information Retrieval Techniques can be included in Artificial Intelligence & Machine Learning vertical.
2. To include virtualization in Cloud Computing course
3. Clarified the norms for B.E. Honours, B.E. Honours with Specialization and B.E. Minors

Mr.K.J.Ashok Babu, PG alumnus, suggested motivating students to undergo certification courses in recent topics of Cyber Security.

Based on the suggestions given by the members, it is resolved to approve the revised curriculum and syllabus of R2020 I and VIII semester syllabus offered to B.E. (CSE) and B.E. CSE (Cyber Security) program with the following modifications.

1. Course modifications in the list of verticals as suggested by the BoS experts were incorporated.
2. Syllabus for Machine Learning course for B.E. CSE (Cyber Security) will be modified to include security concepts.
3. Credit Transfer courses, Value Added Courses and Fast Track Courses approved by BoS experts.
4. Two Tamil courses and combining of English laboratory approved by BoS experts.

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

Dr.R.Lakshmi, ASP / CSE proposed the Vote of Thanks.



Dr.S. Miruna Joe Amali, Prof. & HoD / CSE
Chairman / Board of Studies

Cc to Governing Body, Academic Council, Coordinator / IQAC, Principal, File



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



B.E. COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE

S.No.	Course Name
1	Cyber Security
2	Microsoft Power BI Data Analyst (Atos)
3	Cloud Computing using Amazon Web Services
4	Advanced Air Mobility Systems (Honeywell)
5	Microsoft Azure Fundamentals

CREDIT TRANSFER COURSES

S. No.	Course Name	Course Code	Duration
1	Block chain and its Applications	noc22_cs44	12 weeks
2	Ethical Hacking	noc22_cs13	12 weeks
3	Data Science for Engineers	noc22_cs28	8 weeks
4	Computer Vision and Image Processing- Fundamentals and Application	noc22_ee48	12 weeks
5	Introduction to Soft Computing	noc22_cs54	8 weeks
6	Social Networks	noc22_cs30	12 weeks
7	Introduction to Internet of Things	noc22_cs53	8 weeks
8	User-centric Computing for Human-Computer Interaction	noc22_cs16	8 weeks
9	Big Data Computing	noc22_cs65	8 weeks
10	Computer Vision	noc22_cs89	12 weeks
11	Software Testing	noc22_cs61	12 weeks
12	Reinforcement Learning	noc22_cs75	12 weeks
13	Social Network Analysis	noc22_cs117	12 weeks
14	Real Time Systems	noc22_cs104	12 weeks
15	Social Networks	noc22_cs121	12 weeks
16	Hardware Security	noc23_cs59	12 weeks
17	Social Networks	noc23_cs19	12 weeks
18	Deep Learning	noc23_cs56	12 weeks
19	Introduction to Internet of Things	noc23_cs51	12 weeks
20	Block Chain and its Applications	noc23_cs47	12 weeks
21	Natural Language Processing	noc23_cs45	12 weeks
22	Ethical Hacking	noc23_cs44	12 weeks
23	Reinforcement Learning	noc23_cs23	12 weeks

**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM-630612.****(An Autonomous Institution, Affiliated to Anna University, Chennai)****Department of Information Technology****Ref:KLNCE/BoS/IT/2023/****Date:05.04.2023****Minutes of Sixth Board of Studies Meeting**

The Sixth Board of Studies meeting was conducted through online on 05-05-2023(Wednesday).
The meeting got started by 02:15pm. The following salient points were discussed in the meeting.

Meeting Link

<https://meet.google.com/ecw-ebyt-qeo>

Members Present:

1	Dr.P.Ganesh Kumar Prof.&HoD / Department of Information Technology K.L.N. College of Engineering, Pottapalayam-630612.	CHAIRMAN
2	Dr.S.Padmavathi Professor /Department of Information Technology Thaigarajar College of Engineering, Madurai-625015	ANNAUNIVERSITY NOMINEE
3	Dr.A.Umamakeswari Dean/ School of Computing, Shanmugha Arts, Science, Technology& Research Academy SASTRA Deemed to be University, Thanjavur- 613401.	SUBJECT EXPERT (From outside the Parent University)
4	Dr.T. Senthil kumar Associate Professor / Department of CSE Amirta School of Engineering Amrita Viswa Vidyapeetham, Coimbatore-641112.	SUBJECT EXPERT (From outside the Parent University)
5	Ms.M.Priya PHP Developer, Pruvity HR Solutions Pvt. Ltd, Madurai-625020	Post graduate Meritorious Alumnus
6	Dr.A.V.Ramprasad, Principal / K.L.N. College of Engineering, Pottapalayam-630612.	Special Invitee

7	Dr.G.RAMESH, Professor/ IT	Member
8	Dr.J.S.KANCHANA, Professor/IT	Member
9	Dr.S.ILANGO VAN, ASP/IT	Member
10	Mr.A.SELVARAJ, (Sr.Gr.)/IT	Member
11	Mr.M.SATHEESH KUMAR,AP/IT	Member
12	Mrs.S.VIJAYASHARMILA, AP/IT	Member
13	Mr.V.ARAVINDA RAJAN, AP/IT	Member
14	Mrs.S.JENIBA, AP/IT	Member
15	Ms.N.MUTHAMIL SELVI, AP/IT	Member
16	Ms.RM.SUGANYA, AP/IT	Member
17	Mrs.T.T.MATHANGI, AP/IT	Member
18	Mrs.N.LOGAMITHRA, AP/IT	Member
19	Mrs.P.RAMYA, AP/IT	Member
20	Mrs.V.GAYATHRI, AP/IT	Member
21	Mrs.N.VISHNUDEVI, AP/IT	Member
22	Mrs.S.DHIVYA, AP/IT	Member
23	Mr.PL.SUBRAMANIAN AP/IT	Member

- **Dr.P.Ganesh Kumar, Chairman /BOS** delivered Welcome Address and introduced the members of BOS. He summarized the glimpse of previous meeting suggestions which has been incorporated in the syllabus framing and conveyed to meeting members about funded FDP which got recently organized in association with Anna University, Chennai. He detailed about the prize winners of IT students in the hackathon, Tenkasi Startup Event (Third Prize- Cash prize Rs.25,000/-) and TNSI Event(first Prize- Cash Prize Rs.1,00,000/-) and Startup created by IT students in our Campus. Department has conducted value added courses on UAV/UAM in association with Honeywell Technology Solutions and Cyber Security in association with Prompt Infotech. IT Students successfully completed NPTEL Course on Big Data Computing and the same is applied for course credit transfer. Students have been suggested to do NPTEL course on "Privacy and Security in online Social Media" during the academic year 2022-2023 even semester for Course credit transfer.
- **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. He requested BoS members to provide the valuable inputs and suggestion for newly proposed programme B.E.-CSE(IoT) -framed curriculum and syllabus which is going to get approval by Academic Council Meeting.

- **Dr.P.Ganesh Kumar** presented the Curriculum and Syllabus of following
 - i. 1 to 8 Semester of Curriculum and Syllabus of Regulation 2020 of Programme B.Tech.- Information Technology
 - ii. 1 to 8 Semester of Curriculum and Syllabus of Regulation 2020 of Programme B.Tech.-Artificial Intelligence and Data Science
 - iii. Newly proposed programme B.E.-CSE (Internet of Things) Semester 1 to 8 Curriculum and Syllabus of First and Second Semester.
 - iv. Introduction of verticals with detailed syllabus of B.Tech.- IT and B.Tech.-ADS is proposed to introduce for the students admitted Academic Year:2021-22 onwards.
 - v. Total number of credits for B.Tech. – ADS programme is 175. BoS Chairman requested to reduce the credits without affecting core courses

• **Suggestions and Recommendations by BOS members for B.Tech-IT Programme:**

The following are the suggestion made by Dr. S. Padmavathy

1. Insisted to remove the fractional credit values to the courses
2. Total number of credits should not exceed 185 including (Honors/ Minors/Specialization)
3. Suggested to remove the automata & TOC courses

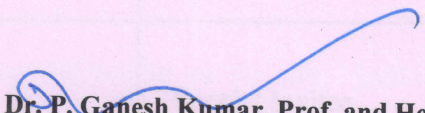
The following are the suggestion made by Dr.A.Umamakeswari

1. To maintain 165 credits without compromising core courses
2. To maintain uniform credits among all the programme in the college

The following are the suggestion made by Dr.T.Senthil Kumar

1. Modify the course name as Embedded System instead of Micro controller and Embedded System.
2. Ensure the student participation in hackathon, Tech. Events and publications would be transferred as credits.
3. Introduce one credit course on product prototype development
4. Recommended to give 4 credits to mini project
5. Try to stick on the total credits not more than 165 to 169

- **Dr.G.Ramesh** summarized the suggestions and queries raised by Experts.
- **Dr.J.S. Kanchana** delivered Vote of Thanks.
- The technical support Sixth BoS meeting was done by **Mr.M.Satheesh kumar**, Assistant Professor/IT
- This BoS online meeting came to end at 03.30pm


Dr. P. Ganesh Kumar, Prof. and Head / IT
Chairman/Board of Studies




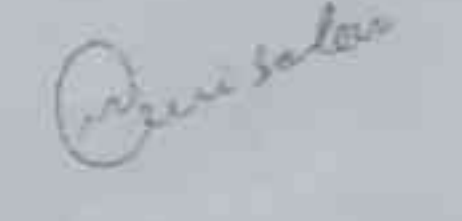
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MBA Board, Maths Board
Governing Body
Academic Council Coordinator/IQAC
Principal, File

Minutes of Fourth Board of Studies Meeting


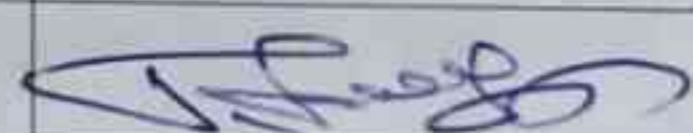


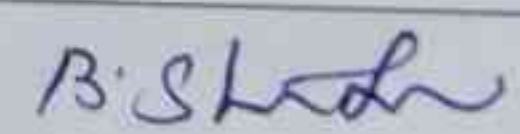
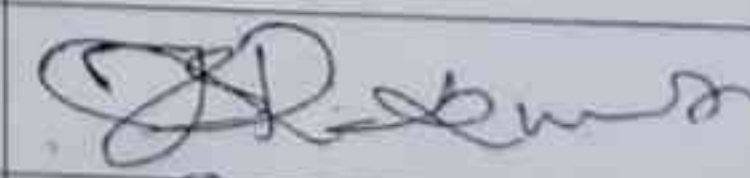


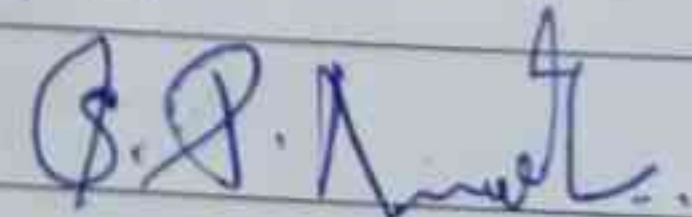
Date: 06.04.2023

The fourth meeting of Board of Studies members for Department of Management Studies was held on 06.04.2023(Wednesday) through Google Meet.

Members Present:

S.No	Experts	Position	Signature
1	Dr. K.ArulRajan Professor / Dept of Management Studies, PSG Institute of Management, Peelamedu, Coimbatore.	AU Nominee	
2	Dr.C.JothiBaskara Mohan Associate Professor Head / Dept of Business Administration Thiagarajar College, Madurai.	Academic Expert	
3	Dr. Vijailakshmi Stephen Managing Director Vijailakshmi Hitech Solutions, Madurai	Industrial Expert	
4	Mr. M.Devibalan Director Syasans Career Analytics Pvt Ltd, Chennai.	Alumni Member	

Internal Members:

S.No	Experts	Position	Signature
1	Dr.A.V.Ram Prasad	Principal	
2	Dr. T. Jothimurugan	Director & Chairman, Board of Studies - MBA	
3	Dr.S.N.R.Srikumar	Professor	
4	Dr. R.S.Balasenthil	Associate Professor	
5	Mrs.Shanthi B	Assistant Professor (SG)	
6	Mr.T.S.Ramkumar	Assistant Professor (Sr.G)	
7	Ms.T. Shobana Devi	Assistant Professor	
8	Ms.M.Krishnaveni	Assistant Professor	
9	Ms.S.P.Nandhini	Assistant Professor	

Received
K. ArulRajan
16/5/23

I. Bos /MBA/1.1:Welcome Address and opening remarks by the Chairman, Board of Studies

In the beginning of the meeting Dr.T.Jothimurugan , Director & Chairman, Board of Studies - MBA K.L.N.College of Engineering welcomed all the members and briefed about the successful implementation & completion of three academic years after getting Autonomous Status. At this juncture he thanked AU Nominee,Academic Expert,Industrial Expert,and Alumni Member for providing valuable suggestions & inputs in enriching the curriculum & syllabus of Management Subjects for B.E/B.TechProgramme in the past 3 years.

He added that in accordance with the Revised Curriculum of AUC & Employability for students at Industry , department has proposed to make the following changes which have been taken for the approval of the members in the meeting.

At the outset, the Director welcomed the members for attending this Fourth board of studies meeting and requested Dr.R.S.Balasenthil (Associate Professor, MBA) to present the proposed items with agenda.

The Following are the Discussions & resolutions made in the meeting.

II. Bos/MBA/1.2: Presentations and approval of Management courses in B.E, B.Tech. Programs.

Presented and discussed the following Management Elective courses under Humanities and Science.

List of BE/B.Tech. Courses – presented for approval by MBA BOS on 5th April 2023
Management Elective courses under Humanities and Science
to be introduced in 5th/ 6th /7th semesters under
R-2020 for students admitted from 2021 onwards

S. NO.	COURSE CODE	COURSE TITLE	CATE GORY	PERIODS PER WEEK			TOTAL CONTAC T PERIODS	CREDITS
				L	T	P		
1.		Industrial Marketing	HSMC	3	0	0	3	3
2.		Management concepts & organizational Behaviour	HSMC	3	0	0	3	3

- It is resolved by all the members to approve the above subjects and its syllabus.
- List of BE/B.Tech. Courses – presented for approval by MBA third BOS on 5th April 2023 to be introduced from 6th Semester onwards under R-2020 for students admitted from 2021 onwards.

III. Bos/MBA/1.3: Verticals for Minor Degree and got approval from the members in Bos.

VERTICALS FOR MINOR DEGREE

(In addition to all the verticals of other programmes)

(Choice of courses for Minor degree is to be made from any one vertical of other programmes or from anyone of the following verticals.

VERTICAL 1: FINTECH AND BLOCK CHAIN

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.		Financial Management	PEC	3	0	0	3	3
2.		Fundamentals of Investment	PEC	3	0	0	3	3
3.		Banking, Financial Services and Insurance	PEC	3	0	0	3	3
4.		Introduction to Blockchain and its Applications	PEC	3	0	0	3	3
5.		Fintech Personal Finance and Payments	PEC	3	0	0	3	3
6.		Introduction to Fintech	PEC	3	0	0	3	3
		Total		18	0	0	18	18

VERTICAL 2: ENTREPRENEURSHIP

S. NO.	COURSE CODE	COURSE TITLE	CATEGORY	PERIODS PER WEEK			TOTAL CONTACT PERIODS	CREDITS
				L	T	P		
1.		Foundations of Entrepreneurship	PEC	3	0	0	3	3
2.		Team Building & Leadership Management for Business	PEC	3	0	0	3	3
3.		Creativity & Innovation in Entrepreneurship	PEC	3	0	0	3	3
4.		Principles of Marketing Management For Business	PEC	3	0	0	3	3
5.		Human Resource Management for Entrepreneurs	PEC	3	0	0	3	3
6.		Financing New Business Ventures	PEC	3	0	0	3	3
				18	0	0	18	18

- It is resolved to incorporate all the above and approved to proceed further.

Finally the meeting ended with the Vote of Thanks, proposed by Mrs.B.Shanthi, Assistant Professor (SG)/MBA, and thanked all the members for their kind cooperation and for giving a valuable suggestion for the enhancement of syllabus.

Subject Expert 1: Dr. K.ArulRajan



Subject Expert 2: Dr.C.JothiBaskara Mohan



Subject Expert 3: Dr. Vijailakshmi Stephen



Subject Expert 4: Mr. M.Devibalan



Director - MBA



Principal

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

Department of Master of Computer Applications

Date: 04.05.2023

The fourth Board of Studies meeting was conducted through online on 04-05-2023 (Thursday). The meeting was started exactly in the scheduled time 11 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.Somaskandan	Member, Associate Professor
3.	Mrs.M.S.C.Sujitha	Member, Assistant Professor
4.	Mr.P.Ganesh Babu	Member, Assistant Professor
5.	Mr.N.Pradeep Shankar	Member, Assistant Professor

2. Anna University Nominee

S.No.	Name of Member	Designation / Department	Institution Name
1.	Dr.S.Vijayalakshmi	Professor / Department of Computer Applications	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.PL.Chithra	Professor, Department of Computer Science	Guindy Campus, University of Madras, Chennai – 600 025.
2.	Dr. K. Mohan	Associate Professor, Department of Information Security	School of Computer Science and Engineering Vellore Institute of Technology (VIT) Vellore, India - 632014

4. One postgraduate meritorious alumnus

S. No.	Name of Member	Designation	Name of the Industry/ Institute
1.	Mr. K.M. Yadeesh Kumar	Senior Software Engineer	BNP Paribas Group, Chennai

Minutes of the Fourth Board of Studies Meeting – 04.05.2023 (Thursday)

The following points were discussed in the meeting.

- **Dr.MR.Ilango, Chairman /BOS** welcomed the members of BOS and Staff members of MCA department.
- **Chairman, Dr.MR.Ilango**, informed that the curriculum and Syllabi 2020 will be followed for the Batch 2023 – 2025.
- **Chairman has requested approval from the BOS members for following the old curriculum, Syllabi and bridge courses which has been framed in 2020 for the batch 2023 – 2025 also. BOS members have given approval for the Curriculum, Syllabi and also for the bridge courses**
- Chairman has presented newly framed curriculum 2024 (Curriculum alone) semester wise.
- He has also mentioned the Bridge Courses for each semester from first to third semester for the newly planned Curriculum 2024.
- The Credit distribution among PC, PE, OE, EEC courses have been informed to BOS members.

Suggestion from BOS members

1. Dr S Vijayalakshmi madam informed to check the total credit for MCA course whether it is 85 to 90 or 80 to 90. It has been verified that as per Anna University Curriculum 2021, the total credit must be in the range 80 – 90.
2. Dr.S.Vijayalakshmi madam suggested that the load for the third semester is too heavy. So, some courses may be shuffled in between second and third semester so that the load for third semester will be lower in order to allow students to concentrate on placement activities.
3. Dr PL Chitra madam suggested that Courses from Naan Mudhalvan scheme may be introduced in order to reduce the bridge course periods and contents. But, in our

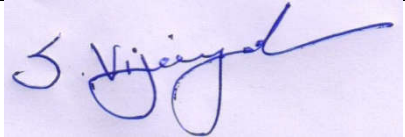


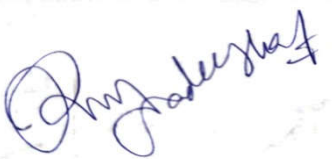
college this Naan Mudhalvan scheme has been introduced only for UG courses but not for PG courses.



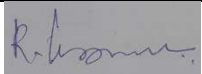

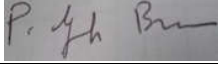
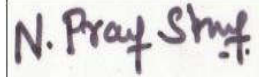
4. She also suggested that OOAD course may be included as elective in second or third semester so that students will do their final semester projects well.
5. Dr K Mohan suggested that “Advanced JAVA” course must be included in the second semester as core paper because of Advanced JAVA laboratory and IOT may be moved as elective course.
6. All members suggested that “Open electives” should not be technical courses as per MCA. Some common courses which may be useful to MBA and ME students may be included in the open electives course list. We have verified the Curriculum 2021 of Anna University. In AU Curriculum, they have not mentioned any open elective courses for MCA. So, we have decided to discuss with standing committee, Academic Convener, and Principal sir to know whether to include open electives or not.
7. Members also suggested that the necessity of including Audit courses may be thoroughly verified and if not required, audit courses may be removed from the Curriculum.


Dr.C.Ashok Baburaj, Associate Professor / MCA delivered Vote of Thanks.

- This BOS online meeting came to an end at 12.00 Noon.

We have given assurance to BOS members that the above suggestions will be included in the curriculum R2024.

Name of the BOS Member	Designation	Signature
Dr.S.Vijayalakshmi	AU Nominee	
Dr.PL.Chithra	Subject Expert/ Other than Parent University	
Dr. K. Mohan	Subject Expert/ Other than Parent University	
Mr.K.M.Yadeesh Kumar	MCA Alumni	

Name of the BOS Member	Designation	Signature
Dr MR.Ilango	Member / BOS	
Dr.C.AshokBaburaj		
Mr.R.Somas Kandan		
Mrs.M.S.C.Sujitha		
Mr. P. Ganesh Babu		
Mr. N Pradeepshankar		


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