

**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/2022

08.08.2022

**Minutes of Fourth 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	UdLW
2	Dr. R. B. Anand Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	ANNA UNIVERSITY NOMINEE	R. B. Anand Aug. 12, 2022
3	Dr.G.Saravana Kumar Professor, Department of Engineering Design, Indian Institute of Technology Madras Chennai	SUBJECT EXPERT (Other than Parent University)	ImLg
4	Dr. T. Ramesh Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	SUBJECT EXPERT (Other than Parent University)	C. T. Ramesh
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	D. Threshkumar
7	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering	SPECIAL INVITEE	A. V. Ramprasad
8	Dr.M.R. Thansekhar, Professor / Mech	INTERNAL MEMBER	M. R. Thansekhar
9	Dr.A.N.Balaji, Professor / Mech	INTERNAL MEMBER	A. N. Balaji
10	Dr.P.Sabarinath ASP/Mech	INTERNAL MEMBER	P. Sabarinath
11	Dr. D. Satheeshpandian ASP/Mech	INTERNAL MEMBER	D. Satheeshpandian
12	Dr.A. Hemalatha ASP/Mech	INTERNAL MEMBER	A. Hemalatha
13	Dr.C. Anbumeenakshi ASP/Mech	INTERNAL MEMBER	C. Anbumeenakshi
14	Dr. R. Ashok Kumar AP(SG)/Mech	INTERNAL MEMBER	R. Ashok Kumar
15	Dr.S.Porselvi AP(SG)/Mech	INTERNAL MEMBER	S. Porselvi
16	Dr. D. Muthukrishnan AP(Sr.Gr) / Mech	INTERNAL MEMBER	D. Muthukrishnan
17	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER	E. V. Ganeshbabu
18	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER	S. Nallathambi
19	Dr. N.Nagasubramanian AP/Mech	INTERNAL MEMBER	N. Nagasubramanian
20	Mr.M. Mohanraj AP/Mech	INTERNAL MEMBER	M. Mohanraj
21	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER	T. Samynathan
22	Mr.T.L. Vijayakumar AP/Mech	INTERNAL MEMBER	T. L. Vijayakumar
23	Mrs.B. Devi AP/Mech	INTERNAL MEMBER	B. Devi



**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM – 630 612.**  
(An Autonomous Institution and affiliated to Anna University, Chennai)

**DEPARTMENT OF MECHANICAL ENGINEERING**

Ref: KLNCE/BoS/MECH/2022

08.08.2022

**Minutes of Fourth Board of Studies Meeting**

The Fourth Board of Studies meeting of Mechanical Engineering Department was conducted on 05.08.2022 (Friday) at 11.00 a.m. through ONLINE MODE.

**Meeting Link:**

<https://us06web.zoom.us/j/83127699134?pwd=NE9LanBIM1cyM3NiNnRCSDZvTEhUQT09>

**Members Present:**

S. No.	Name, Designation and Institute Details	Details of Members
1	<b>Dr.P.Udhayakumar</b> Prof. & HOD, Department of Mechanical Engineering, K.L.N. College of Engineering, Pottapalayam – 630 612.	<b>CHAIRMAN</b>
2	<b>Dr.R.B.Anand</b> Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	<b>ANNA UNIVERSITY NOMINEE</b>
3	<b>Dr.G.Saravana Kumar</b> Professor, Department of Engineering Design, Indian Institute of Technology Madras Chennai	<b>SUBJECT EXPERT</b> (Other than Parent University)
4	<b>Dr. T. Ramesh</b> Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	<b>SUBJECT EXPERT</b> (Other than Parent University)
5	<b>Dr.Balakrishnan Gopal</b> Engineering Manager, Caterpillar India Pvt Ltd Chennai.	<b>INDUSTRY EXPERT</b>
6	<b>Dr. D. Threshkumar</b> Principal. PTR College of Engineering and Technology, Madurai	<b>POST GRADUATE MERITORIOUS ALUMNI</b>
7	<b>Dr.A.V. Ramprasad</b> Principal, K.L.N. College of Engineering.	<b>SPECIAL INVITEE</b>



8	Dr.M.R.Thansekhar, Professor / Mech	<b>INTERNAL MEMBER</b>
9	Dr.A.N.Balaji, Professor / Mech	<b>INTERNAL MEMBER</b>
10	Dr.P.Sabarinath ASP/Mech	<b>INTERNAL MEMBER</b>
11	Dr. D. Satheeshpandian ASP/Mech	<b>INTERNAL MEMBER</b>
12	Dr .A. Hemalatha ASP/Mech	<b>INTERNAL MEMBER</b>
13	Dr.C. Anbumeenakshi ASP/Mech	<b>INTERNAL MEMBER</b>
14	Dr. R. Ashok Kumar AP(SG)/Mech	<b>INTERNAL MEMBER</b>
15	Dr.S.Porselvi AP(SG)/Mech	<b>INTERNAL MEMBER</b>
16	Dr. D. Muthukrishnan AP(Sr.Gr) / Mech	<b>INTERNAL MEMBER</b>
17	Mr. E.V.Ganeshbabu AP/Mech	<b>INTERNAL MEMBER</b>
18	Mr. S. Nallathambi AP/Mech	<b>INTERNAL MEMBER</b>
19	Dr. N.Nagasubramanian AP/Mech	<b>INTERNAL MEMBER</b>
20	Mr.M. Mohanraj AP/Mech	<b>INTERNAL MEMBER</b>
21	Mr.T. Samynathan AP/Mech	<b>INTERNAL MEMBER</b>
22	Mr.T.L.Vijayakumar AP/Mech	<b>INTERNAL MEMBER</b>
23	Mrs.B. Devi AP/Mech	<b>INTERNAL MEMBER</b>

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.

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

1. Presentation of Syllabus for Mechanical Engineering courses offered in the VII and VIII semester of B.E. - Mechanical Engineering.

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

- The following recommendations are suggested in the syllabus of VII and VIII Sem B.E., Mech. Engg., subjects

(i) 20ME8P1 Project Work

Student can do individual projects also.



(ii) 20ME7A4 Automotive Systems

Change the title

(iii) 20ME7A5 Computational Fluid Dynamics

Include Prerequisite as Numerical and Statistical methods

(iv) 20ME8A2 Unconventional Machining Processes

Change problems as numerical problems

(v) 20ME8A4 Battery Technology

Include Disposal of Batteries

(vi) 20ME8A5 Testing of Materials

Change the title of Unit 5

(vii) 20OE108 Introduction to Refrigeration and Air Conditioning

Change the title of the subject

2. Proposal and Presentation of identified verticals and non-verticals for Professional Elective Courses B.E Mech. Engg. (Regulation 2020)

3. Proposal of New courses and Presentation of Curriculum

- B.E – Robotics and Automation
- B.Tech – Mechanical Engineering with Specialization in AI and ML

4. Amendments

- Text book for 20GE202 Engineering Mechanics is prescribed as “Engineering Mechanics” by Vela Murali, Oxford University Press, 2010 and approved in first board of studies meeting. Since the author expired and the book is not available in the market, it is proposed to prescribe the following book.

Kumar. K.L., “Engineering Mechanics” McGraw Hill Education, 4<sup>th</sup> Edition, 2017.

**Based on the suggestions given by the members, it is resolved to approve the R2020 B.E. (Mech. Engg.) VII and VIII Semester Syllabus with the following modifications.**

- The following corrections are made in the syllabus

(i) 20ME8P1 Project Work

Sentence reframed as “The student individually or in a group of 3 to 4 works on a topic”

(ii) 20ME7A4 Automotive Systems

Title is changed as Automobile Engineering

(iii) 20ME7A5 Computational Fluid Dynamics

20BS401 Statistics and Numerical Methods for Mechanical Engineers is included in Prerequisite.

(iv) 20ME8A2 Unconventional Machining Processes

Numerical problems included in Unit 1, 2 and 3.

(v) 20ME8A4 Battery Technology

Disposal of Batteries is included

(vi) 20ME8A5 Testing of Materials

The title of Unit 5 is changes as "Thermal and Chemical Testing"

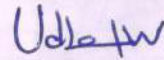
(vii) 20OE108 Introduction to Refrigeration and Air Conditioning

The title of the subject is changed as "Refrigeration and Air Conditioning"

- Verticals and Non verticals for Professional Elective Courses B.E Mech. Engg. (Regulation 2020) are approved.
- Curriculum of New courses
  - B.E – Robotics and Automation
  - B.Tech – Mechanical Engineering with Specialization in AI and MLare approved.
- Amendment for change of prescribed text book for the subject Engineering Mechanics is 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.



**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



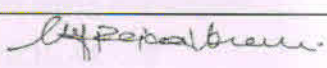

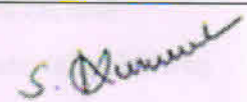

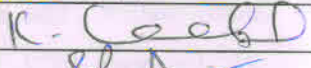

(An Autonomous Institution, Affiliated to Anna University, Chennai)

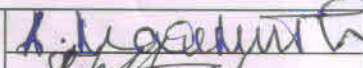

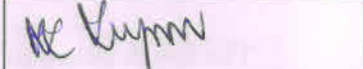




Ref:KLNCE/BoS/EEE/2022

15.07.2022

**Fouth Board of Studies meeting-15.07.2022****DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****Minutes of the Meeting**

The fourth Board of Studies (BoS) meeting of the Department of Electrical and Electronics Engineering was held on 15<sup>th</sup> July 2022, 11:00am, through online mode.  
(meeting link: <https://meet.google.com/kmn-cmih-sem>)

MEMBERS PRESENT:			Signature
S. No	Name, Designation and College Details	Details of Members	
1.	Dr.S.M.Kannan, Professor &Head, Department of Electrical and Electronics Engineering. K.L.N. College of Engineering.	Chairman	
2.	Dr.M.Geethanjali, Professor, Department of Electrical and Electronics Engineering. Thiagarajar College of Engineering, Madurai.	Anna University nominee	
3.	Dr.Y.G.Rajaa Vikhram, Assistant Professor, Department of Electronics and Instrumentation Engineering. SRM Institute of Science and Technology, Kattankulathur, Chengalpattu District.	Subject expert from outside the Parent University	
4.	Mr.Balaji Gopalsamy, Senior Manager, NXP Semiconductors, Bengaluru	Member representing corporate sector	
5.	Dr.S.Kuruseelan, Assistant Professor, School of Electrical Engineering(SELECT), Vellore Institute of Technology, Vandalur, Chennai.	Member representing Postgraduate meritorious alumnus	
6.	Dr.S.Venkatesan, Professor, EEE	Internal members	
7.	Dr.K.Gnanambal, Professor, EEE		
8.	Dr.S.Parthasarathy, Professor, EEE		

9.	Mr.A.Marimuthu, Associate Professor/EEE		
10.	Dr.P.Loganthurai, Associate Professor/EEE		
11.	Dr.M.Jegadeesan, Associate Professor/EEE		
12.	Dr.C.Vimala Rani, Associate Professor/EEE		
13.	Dr.S.Manoharan, Assistant Professor(Sr.Gr) /EEE		
14.	Dr.M.GaneshKumari, Assistant Professor(Sr.Gr) /EEE	Internal members	
15.	Mr.M.Jeyamurugan, Assistant Professor(Sr.Gr) /EEE		
16.	Mr.M.Balamurugan, Assistant Professor/EEE		
18.	Mr.N.Vimal Radha Vignesh, Assistant Professor/EEE		
19.	Mrs.R.Sridevi, Assistant Professor/EEE		
20.	Dr.S.Nagammai, Professor&Head, Electronics and Instrumentation, Head/Academics.	Special Invitee.	

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 third Board of Studies meeting held on 21<sup>st</sup> January 2022. During the meeting, the members approved the following, after incorporating the suggestions given by them

**BoS.03.01.01.: B.E. Electrical and Electronics Engineering-V to VI semester curriculum and Syllabus to be followed from the Academic year 2022-2023.**

**BoS.03.01.02.: Fifth semester Open Electives (Curriculum) offered by other Departments for B.E.-EEE and fifth semester Open Electives (Curriculum and Syllabus) to be offered to other Departments by EEE Department to be followed from the Academic year 2022-2023**

**BoS.03.01.03.: Online courses for credit transfer, Value Added Courses and provision for studying eighth semester courses in sixth and seventh semesters**

The minutes of the third Board of Studies meeting held on 21<sup>st</sup> January 2022, were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the fourth Academic council meeting held on 26<sup>th</sup> February 2022.



**BoS 04.01: Business brought forwarded by the Chairman,BoS.**

To consider and approve

**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.**

**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.**

Chairman briefed about the offline academic session during 2021-2022, and how the Teaching –Learning process is being improved over the months, as students are attending the classes, physically, after two years of Online/offline classes. Dr.K. Gnanambal, Professor, EEE and Chief Superintendent Autonomous examinations, explained about the new relative grading system for Autonomous end semester examinations, applicable to those joined first year in 2021-2022.

Dr.S.M.Kannan, presented, the proposed, B.E. Electrical and Electronics Engineering, curriculum and syllabus of VII and VIII semesters. He informed that the curriculum was framed as per the guidelines of AICTE, UGC and Anna University, Chennai. The detailed syllabus included the pre-requisites, objectives, six course outcomes, one of which should be atleast Apply level, recent publications of text and reference books.

Chairman presented the details of seventh semester Open Electives (curriculum only) 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. This is followed as per the Regulations of Anna University.

Chairman also presented the details of KLNCE R -2020 approved Online Courses for credit transfer (Professional Electives only).



Chairman presented the Curriculum- I to VIII semester and syllabus-I & II semester of the proposed Program-B.E. Electrical and Computer Engineering, to be offered from the academic year, 2023-2024. He requested the members to suggest/comment on the details presented.

The members had through discussion and suggested the following:

1. For the VII semester course, 20EE701-Protection and Switch gear, the content of the units may be reduced. Accordingly, Unit -I may be titled as OVER VOLTAGE PROTECTION and in Unit-IV-STATIC RELAY may be removed. In Unit-III-Apparatus Protection, the contents may be minimised. Introductory on feeder Protection may be eliminated. The book, Y.G.Paithankar and S.R.Bhide, 'Fundamentals of power system protection', may be included under Text book .
2. In the Course-20EE702- RENEWABLE ENERGY SYSTEMS, in Unit-II- SOLAR PV AND THERMAL SYSTEMS, Solar Thermal Systems may be removed. Solar integrated with other systems may be added.
3. In the Course, 20EE7L1-POWER SYSTEM SIMULATION LABORATORY, latest Power System software package may be used for few experiments. Chairman informed that, Power System software like PSCAD, ETAP and Digsilent are available for doing simulation experiments, in addition to MATLAB tools on Power Systems.
4. Views on the new program proposed-B.E. Electrical and Computer Engineering expressed. Members satisfied with the title of the program. Chairman initially proposed the second semester curriculum with Data Science for Engineers, in place of Engineering Graphics. Members suggested to retain the Engineering Graphics in the second semester and to move the Data Science for Engineers in the higher semester, as the students should practice on Engineering Graphics.

Members satisfied with courses with 50% on Electrical Engineering and 50% on Computer Engineering. They suggested to have for all Practical courses, 50% experiments on hardware part and 50% experiments on Simulation experiments, so that students will be more exposure on software implementation of hardware.

Based on the suggestion given by the members, it is resolved to approve the Curriculum and syllabi of B.E.-Electrical and Electronics Engineering –VII and VIII semester, Open Electives, Online courses for credit transfer, proposed curriculum I to VIII

semester and syllabus of I & II semester, B.E. Electrical and Computer Engineering, with the following modifications.

- (i). For the VII semester course, 20EE701-Protection and Switch gear, the contents of the units are revised. Book in the reference/Text section is interchanged.
- (ii).Curriculum of II Semester for the proposed program, B.E. Electrical and Computer Engineering retained as in the curriculum of KLNCE 2020, B.E.-Electrical and Electronics, except 20BS204-Physics for Information Science.

**BoS 04.01.01:** Resolved to Approve the B.E. Electrical and Electronics Engineering-VII and VIII semester curriculum and Syllabus to be followed from the Academic year 2023-2024

**BoS04.01.02:**Resolved to Approve the Seventh semester Open Electives 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.

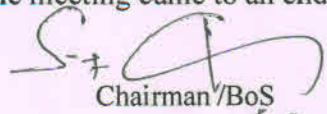
**BoS.04.01.03.:** Resolved to Approve the Online courses for credit transfer.

**BoS.04.01.04.**Resolved to approve the Proposed new Program-B.E. Electrical and Computer Engineering- I to VIII semester Curriculum and syllabus of I & II semesters.

**BoS.04.01.04.**Resolved to approve the curriculum of I to VIII semester and syllabus of I & II semester of proposed new Program-B.E. Electrical and Computer Engineering-

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

Chairman, thanked all the members for their kind cooperation and the meeting came to an end.

  
Chairman/BoS  
11/12/2022

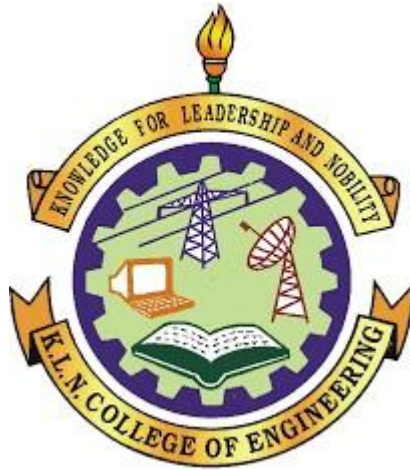
Cc to above members.



# **K.L.N. COLLEGE OF ENGINEERING**

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

**POTTAPALAYAM – 630 612**



**|FOURTH BOARD OF STUDIES MEETING – MINUTES**

***Zoom Online Meet***

***PERIOD – JULY 2022***

# **Department of Electronics and Communication Engineering**

## **Minutes of Fourth Board of studies Meeting held on 18<sup>th</sup> July 2022 at 11.00AM**

**Mode: Through Online**

**(Meeting Link: <https://us06web.zoom.us/j/7710473818?pwd=TTFGM3MvMWs2cjRycWhObzdHK3pvdz09>)**

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



**Department of Electronics and Communication Engineering**  
**K.L.N. College of Engineering, Pottapalayam – 630 612**  
(An Autonomous Institution -Affiliated to Anna University, Chennai)  
[www.klnce.edu](http://www.klnce.edu)

**Fourth Board of studies Meeting**

Mode: Through Online

(**Meeting Link:** <https://us06web.zoom.us/j/7710473818?pwd=TTFGM3MvMWs2cjRycWhObzdHK3pvdz09>)

Date & Time: 18.07.2022 & 11.00AM.

**AGENDA**

The Fourth Board of studies Meeting was convened to get the approval for the detailed syllabus of VII, VIII semester, Professional Electives and Open Electives of UG Programme.

<b>BoS / ECE 4.1:</b>	Welcome address
<b>BoS / ECE 4.2:</b>	Review of the Minutes of the Third Board of Studies Meeting for the Department of Electronics and Communication Engineering held on 29 <sup>th</sup> January, 2022 and action taken report of the third meeting of Board of studies.
<b>BoS / ECE 4.3:</b>	Business brought forward by the Chairman, Board of studies 4.3.1 UG R2020 VII and VIII semester detailed syllabus. 4.3.2 Detailed syllabus of Professional Electives and Open Electives. 4.3.3 Presentation of value added course and online credit transfer course.
<b>BoS / ECE 4.4:</b>	Suggestions given by the BOS Members
<b>BoS / ECE 4.5:</b>	Vote of thanks







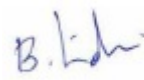
## Department of Electronics and Communication Engineering

### MINUTES OF THE MEETING














Fourth Board of Studies meeting for the Electronics and Communication Engineering Department of K.L.N. College of Engineering was held on 18<sup>th</sup> July 2022 at 11.00 AM. through online mode.

(Meeting Link: <https://us06web.zoom.us/j/7710473818?pwd=TTFGM3MvMWs2cjRycWhObzdHK3pvdz09>)

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 Alagappa Chettiar 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	Mr.S.RAVI SANKAR, Assistant Professor		
22	Mr.D.ANAND, Assistant Professor		
23	Mrs.A.MEENA, Assistant Professor		
24	Mrs.R.PAVITHRA, Assistant Professor		
25	Mr.S.SELVA KUMAR, Assistant Professor		

<b>BoS / ECE 4.1:</b>	<p><b>WELCOME ADDRESS AND OPENING REMARKS BY Dr. R. JEYANTHI, PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</b></p> <p>Dr.R.Jeyanthi, Professor of the Electronics and Communication Engineering welcomed and introduced the members of Fourth Board of Studies and thanked each of them for sparing their valuable time to attend the meeting</p>
<b>BoS / ECE 4.2:</b>	<p><b>TO CONFIRM THE MINUTES OF THIRD BOS MEETING HELD ON 29.01.2022</b></p> <p>The minutes of the Third Board of Studies meeting held on 29.01.2022 were communicated to the members. The comments received have been incorporated and the same was approved by the Fourth Academic council Meeting held on 26.02.2022.</p>
<b>BoS / ECE 4.3.1:</b>	<p><b>TO CONFIRM AND APPROVE</b></p> <p>UG R2020 VII &amp; VIII semester detailed syllabus</p> <p><b>RESOLVED TO APPROVE</b></p> <p>Proposed VII &amp; VIII semester detailed syllabus of UG R2020</p>
<b>BoS / ECE 4.3.2</b>	<p><b>TO CONFIRM AND APPROVE</b></p> <p>Detailed syllabus of Professional Electives and Open Electives</p> <p><b>RESOLVED TO APPROVE</b></p> <p>Proposed syllabus of Professional Electives and Open Electives</p>
<b>BoS / ECE 4.4</b>	<p><b>SUGGESTIONS GIVEN BY THE MEMBERS:</b></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**

- The following two IoT courses 20EC6A5-Internet of Things and its applications & 20EC7A1-IoT Enabled Systems Design have been presented in the sixth and seventh semester curriculum. 20EC7A1- IoT enabled Systems design may be replaced with other technology oriented course
- To get placement in core companies, 20EC703- Embedded and Real Time Systems can be included in the sixth semester itself for next regulation.
- In 20EC703- Embedded and Real Time Systems, sample titles for Mini Project may be included in Unit 5 and ARM Cortex M4 based experiments may be included. In the practical component, instead of flashing of LED experiment, applications may be included and STMF446 may be purchased to do more experiments. Arduino can be removed and Raspberry Pi may be included in IoT.
- Number of text books prescribed should be uniform for all the courses.
- Suggested to ensure that the course instructors for the value added courses may be invited from Industry or other higher educational Institutions.
- Industry person for handling AWS course is a good option.
- Industry oriented four week course may be included to upgrade students' knowledge related to placement.
- Consumer electronics like domestic appliances, Applied Electronics or Industrial Electronics may be included as an open elective course instead of Principles of Signals and systems.
- Credits for 8 weeks and 12 weeks credit transfer NPTEL courses may be checked.
- Suggested to have Industry expert as resource person for Human relations at work course.
- Suggested to check and replace the latest edition of text books and reference books in all the courses.
- Project Zeroth review may be held during seventh semester.

**BoS / ECE 4.5**

**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.**

- The course “IoT Enabled Systems Design” prescribed for VII semester has been moved to VI semester.
- “Foundations for Nano Engineering” is given for VII semester Professional Elective instead of IoT course.
- As per the suggestions, the lab components for the course “Embedded and Real Time Systems” are modified.
- In open elective, the course titled “Principles of Signals and Systems” is replaced by “Consumer Electronics”.
- The number of text books for all courses is made uniformly to two.
- The chairman confirmed to have an external resource person for AWS and Human relations at work.
- Chairman confirmed that as per regulations, 8 weeks/12 weeks courses offered by NPTEL are eligible for credit transfer. The End semester examination is also conducted for three hours duration.



**CHAIRMAN/ECE BOARD**

ENCL:

1. B.E. ECE I to VIII Semester Curriculum
2. Syllabus for Consumer Electronics and Foundations for Nano Engineering

CC to General Body, Academic Council, Principal, File



**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/2022

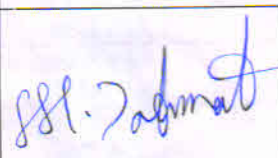
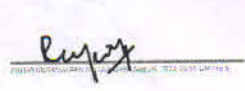



05.08.2022

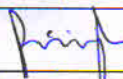

















**Minutes of Fourth Board of Studies Meeting**

The Fourth Board of Studies meeting of Computer Science and Engineering department was conducted on 04.08.2022 at 04.00 p.m. through online.

Zoom Meeting Link: <https://us06web.zoom.us/j/7710473818>

Members Present:

S. No.	Name of the Members	Category	Signature
1	<b>Dr.S.Miruna Joe Amali,</b> Prof. & HoD, Department of Computer Science and Engineering, K.L.N. College of Engineering, Pottapalayam – 630 612.	CHAIRMAN	
2	<b>Dr.N.Ramasubramanian,</b> Professor , Department of Computer Science and Engineering, National Institute of Technology, Tiruchirapalli – 620 015.	ANNA UNIVERSITY NOMINEE	
3	<b>Dr.T.Subbulakshmi,</b> Professor , Department of Computer Science and Engineering, Vellore Institute of Technology, Chennai – 600 127.	SUBJECT EXPERT (outside the Parent University)	
4	<b>Dr. R. Ramalakshmi,</b> Professor , Department of Computer Science and Engineering, Kalasalingam University, Krishnankoil -626 128.	SUBJECT EXPERT (outside the Parent University)	
5	<b>Mr.A.P.Vinoth Kumar,</b> Senior IT Analyst – SAP SPP, Neovia Logistics, Chennai.	Industry Expert	In absentia
6	<b>Mr.K.J.Ashok Babu,</b> Senior Analyst – Apps and Prog., Bank of America, Chennai	Postgraduate Meritorious Alumnus	

S. No.	Name of the Members	Category	Signature
7	Dr.P.R. Vijayalakshmi, COE & Professor / CSE	Member	
8	Dr.R.Lakshmi, ASP / CSE	Member	
9	Dr. P. Prem Kumar, ASP/CSE	Member	
10	Mr.D.Pravin Kumar, ASP / CSE	Member	
11	Dr. S. Subhashini, ASP/CSE	Member	
12	Mrs. N. Gajalakshmi, ASP/CSE	Member	
13	Mrs.V.Karpagam, AP (Sr. Gr.) / CSE	Member	
14	Mr.J.Sulthan Alikhan, AP (Sr. Gr.) / CSE	Member	
15	Mrs.R.Kirubahari, AP / CSE	Member	
16	Mr.D.Prabhu, AP / CSE	Member	
17	Mrs.S.Venkatalakshmi, AP / CSE	Member	
18	Mrs. G. Rajeswari, AP/CSE	Member	
19	Mr. T. Gopu, AP/CSE	Member	
20	Mrs. S. Maria Shobana, AP/CSE	Member	
21	Mrs. M. Arul Selvan, AP/CSE	Member	
22	Ms. S. Sangamitra, AP/CSE	Member	
23	Mrs. D. Thanga Maari, AP/CSE	Member	
24	<b>Dr.A.V.Ramprasad,</b> 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.



She then presented the following as per the agenda.

- Curriculum for semester VII and VIII of B.E. CSE updated after third BOS and fourth ACM
- Syllabus for semester VII and VIII B.E. CSE courses
- Syllabus for semester VII and VIII Professional Electives offered to B.E. CSE students
- Syllabus for semester VII Open Electives offered by CSE to other B.E./B.Tech programs
- Curriculum for semester I to VIII B.E. CSE (Cyber Security)
- Syllabus for semester I to IV B.E. CSE (Cyber Security) courses
- Project based learning introduced as per Anna University norms as VII semester elective.

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

AU nominee, Dr.N.Ramasubramanian, Prof. / CSE, NIT, Trichy recommended that the course credit variation between the curriculum of B.E. CSE and B.E. CSE (Cyber Security) to be around 40% to 50%. The AU nominee suggested the following,

1. Cryptography course to be included in semester IV for B.E. CSE (Cyber Security)
2. Specific courses to cyber security can be included in each semester.

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

1. The course content of Java Scripting to be rearranged for continuity.
2. Suggested to rearrange the Unit IV Artificial Neural Networks in Open Elective course Machine Learning Techniques.
3. The course title for Digital Forensics can be modified as Digital Forensics and Ethical Hacking.
3. Courses named Malware Analysis and Cryptography and Cryptanalysis to be included in B.E. CSE (Cyber Security)
4. Secure coding techniques and Penetration testing can be included as electives.
5. All theory and laboratory course to be aligned towards cyber security.

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

1. In Open elective course Essentials of Data Analytics, Unit V can be removed and Data analytics tools to be given instead.
2. Information Security course can be moved to 4<sup>th</sup> or 5<sup>th</sup> semester.
3. Vulnerability Analysis, Penetration Testing, Physical Security, Application Security courses may be included as B.E. CSE (Cyber Security) electives.

Mr.K.J.Ashok Babu, PG alumnus, suggested including recent trending topics relating to Cyber Security in theory and practical courses for B.E. CSE (Cyber Security).

Mr.A.P.Vinoth Kumar, Senior IT Analyst- SAP SPP, Neovia Logistics, Chennai acknowledged that all the important topics required for CSE have been included in the core and elective courses.

Based on the suggestions given by the members, it is resolved to approve the R 2020 VII and VIII semester syllabus offered to B.E. (CSE) and I to IV semester syllabus of B.E. CSE (Cyber Security) program with the following modifications.

1. Cryptography and Cryptanalysis course included in semester IV for B.E. CSE (Cyber Security)
2. The course content of Professional Elective course Java Scripting and Open Elective course Machine Learning Techniques rearranged for continuity.
3. The course title for Digital Forensics modified as Digital Forensics and Ethical Hacking.
4. In Open elective course Essentials of Data Analytics, Unit V modified as Data analytics tools.
5. Malware Analysis course included in semester VI of B.E. CSE (Cyber Security).
6. Data Security course included in semester V of B.E. CSE (Cyber Security).
7. Secure coding techniques, Vulnerability Analysis, Penetration Testing, Physical Security, Application Security courses included as B.E. CSE (Cyber Security) electives.

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-630612.

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

## Department of Information Technology

Ref:KLNCE/BoS/IT/2022/

Date:02.08.2022

### Minutes of Fifth Board of Studies Meeting

The Fifth Board of Studies meeting was conducted through online on 02-08-2022(Tuesday).The meeting got started by 11.00am. The following salient points were discussed in the meeting.

#### Meeting Link

<https://us06web.zoom.us/j/83901524966>

#### Members Present:

- |   |   |   |
|---|---|---|
| 1 | <b>Dr.P.Ganesh Kumar</b><br>Prof.&HoD / Department of Information Technology<br>K.L.N. College of Engineering, Pottapalayam-630612.                                   | CHAIRMAN  |
| 2 | <b>Dr.S.Padmavathi</b><br>Professor /Department of Information Technology<br>Thaigarajar College of Engineering, Madurai-625015                                       | ANNA UNIVERSITY<br>NOMINEE                                |
| 3 | <b>Dr.A.Umamakeswari</b><br>Dean/ School of Computing,<br>Shanmugha Arts, Science, Technology& Research Academy<br>SASTRA Deemed to be University, Thanjavur- 613401. | SUBJECT EXPERT<br>(From outside the<br>Parent University) |
| 4 | <b>Dr.T. Senthil kumar</b><br>Associate Professor / Department of CSE<br>Amirta School of Engineering<br>Amrita Viswa Vidyapeetham, Coimbatore-641112.                | SUBJECT EXPERT<br>(From outside the<br>Parent University) |
| 5 | <b>Mr.S.Sathyanarayanan</b><br>External Ecosystem Leader<br>Honeywell Technologies and Solutions,Madurai-625020   | Industry Expert   |
| 6 | <b>Ms.M.Priya</b><br>PHP Developer,<br>Pruvity HR Solutions Pvt. Ltd,Madurai-625020   | Post graduate Meritorious<br>Alumnus                      |



7	<b>Dr.A.V.RAMPRASAD,</b> Principal / K.L.N. College of Engineering, Pottapalayam-630612.	Special Invitee
8	Dr.G.RAMESH, Professor/ IT	Member
9	Dr.J.S.KANCHANA, Professor/IT	Member
10	Dr.S.ILANGO VAN, ASP/IT	Member
11	Mr.A.SELVARAJ, (Sr.Gr.)/IT	Member
12	Mr.M.SATHEESH KUMAR,AP/IT	Member
13	Ms.S.VIJAYASHARMILA, AP/IT	Member
14	Mr.V.ARAVINDA RAJAN, AP/IT	Member
15	Mrs.S.JENIBA, AP/IT	Member
16	Ms.N.MUTHAMIL SELVI, AP/IT	Member
17	Mr.G.H.RAM GANESH, AP/IT	Member
18	Ms.RM.SUGANYA, AP/IT	Member
19	Mrs.T.T.MATHANGI, AP/IT	Member
20	Mrs.N.LOGAMITHRA, AP/IT	Member
21	Mrs.N.VISHNUDEVI, AP/IT	Member
22	Mrs.P.RAMYA, AP/IT	Member
23	Mrs.K.NIVETHIKA, AP/IT	Member
24	Mrs.J.ALICE ANANDHI, 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.
- **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.
- **Dr.P.Ganesh Kumar** presented the Curriculum and Syllabus of following
  - 7<sup>th</sup> & 8<sup>th</sup> Semester Information Technology Programme
  - 5<sup>th</sup> & 6<sup>th</sup> Semester Artificial Intelligence and Data Science Programme.
  - Value Added Course framed by Honeywell Technology Solutions Pvt. Ltd., Madurai



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

**Dr.A.Umamakeswari** suggested to add more topics in the **Unit- I** in order to meet out 9 lecture periods since unit-I has mentioned with only three topics. The Bos Chairman, **Dr.P.Ganeshkumar** expressed his consent to frame the contents of Unit-I as per expert suggestion.

**Dr.T.Senthilkumar** suggested to reorganize the **Unit-V** such a way that syllabus contents of **Unit-V** of course (**20IT7A4-Deep Learning**) would be practical oriented instead of pure theory mode in order to enhance learning ability as well as gaining the maximum outcome of the course. The BoS Chairman acceded to reframe the **Unit-V** Syllabus with the support of BoS expert members after getting approval from Academic head council.

**Dr. S. Padmavathy & Dr.A.Umamakeswari** have common opinion to modify title of course **20IT7B3-Parallel Computing Architecture** as **20IT7B3- Parallel Computing** since the syllabus framed having more weightage to parallel programming aspects rather than architecture. They also added to avoid ambiguity issues in naming the title of courses in professional electives and open electives. The BoS chairman adhered to modify title as suggested by expert members.

**Dr.A.Umamakeswari** proposed to add case study topics in **Unit-III and Unit-IV** in addition to **Unit-V** for the course **20IT7B4- Service Oriented Architecture** in order to improve the knowledge level of this course. The BoS chairman observed the suggestion for the modification.

For the Course titled “**20IT8A4- R and Python Programming for Data Science**”, **Dr.T.Senthilkumar** suggested to avoid the keywords mentioned in Unit- IV Title as **Numpy and Pandas**. And also, he recommended to modify the title of Unit-V as “**Supervised Learning and Un Supervised Learning**” instead of “**Supervised learning and Clustering using SCIKIT Learn**” for avoiding ambiguity in titling.

**Dr.A.Umamakeswari** suggested to use **Generic term** instead of specific term like **Numpy and Pandas**. She recommended **Numpy Data analytics package tool** for the illustration of this course. The BoS chairman has consented to modify as per above expert’s suggestions.

**Dr.A.Umamakeswari** pointed out very old edition (Year-2002) text book which has been represented in the course titled “**20OE704- Introduction to User Interface**” and suggested to search for any latest edition for this book. The BoS chairman has expressed the unavailability of latest edition to the book which is quoted by expert member.

**Dr.P.Ganeshkumar** detailed the significance of proposed Value Added Course titled “**Advanced Air Mobility Systems**” which is framed by Honeywell Technology Solutions Pvt. Ltd. Madurai. All Expert members praised the efforts taken by department to conduct industry collaborated course. They also suggested



to conduct this course for all branch students inside college campus since contents of the course seems almost generic to all branch students. Dr.P.Ganesh Kumar has consent to experts suggestion and complied to organize this course after getting approval from Honeywell Technology Solutions.

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

**Dr. S. Padmavathy & Dr.A.Umamakeswari** Suggested to establish AI lab since more experimental learning is inevitable for AIDS programme. For the course titled **20AD6L1 – Data Analytics Laboratory**, most of experiments would be AI based. The BoS chairman acceded for the further follow up as per suggestion from expert members.

**Dr.A.Umamakeswari** pointed out typo graphical error in **Unit-III** of course titled **“20AD6A1- Software Development Process”** as **“Software processes planning”**. It is now corrected to be as **“Software process planning”**.

Both **Dr. S. Padmavathy & Dr.A.Umamakeswari** pinpointed typo graphical error in the title **Analytics on Machine Learning** of Unit-II in course titled **“20AD6A2-Health Care Analytics”**. It is corrected as **“Health care Analytical Tool in Machine learning”** for Unit-II Title.

And also, **Dr. S. Padmavathy** suggested to mention title of Unit-V as **Health Care Analytics Applications** instead **CASE STUDY**. The BoS Chairman observed the corrections and it is incorporated in syllabus framing.

**Dr. S. Padmavathy** raised requirement of text book with latest edition in the course titled **“ 20AD6A3-Mobile Applications Development”** and also suggested to include online course material like coursera as a helping learning references to this course.

**Dr.P.Ganeshkumar** explained in detail about the Proposed Anna University new regulation system 2022 regarding with programme specialization. He clearly described the degree awarding system for each specialization like

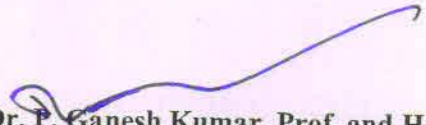
- B.Tech.-IT with Specialization in IOT,
- B.Tech.-IT with Specialization in Cyber Security,
- B.Tech.-IT with Specialization in AI
- B.Tech.-IT with Specialization in Data Science
- B.Tech.-IT with Specialization in Networks

All Experts encouraged newly proposed Anna University Regulation System 2022 regarding the Programme Specialization.



Based on the suggestions given by the experts/members, it is resolved to approve the R 2020 B.Tech (Information Technology) 7<sup>th</sup> and 8<sup>th</sup> semester syllabus specific to IT department and B.Tech(Artificial Intelligence and Data Science) 5<sup>th</sup> and 6<sup>th</sup> semester curriculum and syllabus with the suggested modifications. Board of Studies recommended the above resolutions to be presented in the **Academic Council** for further approval.

- **Dr.G.Ramesh** summarized the suggestions and queries raised by Experts.
- **Dr.J.S. Kanchana** delivered Vote of Thanks.
- The technical support Fifth entire meeting was done by **Mr.M.Satheesh kumar**, Assistant Professor/IT
- This BoS online meeting came to end at 12.30pm

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




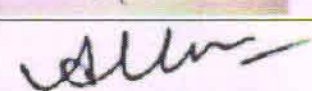
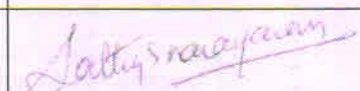
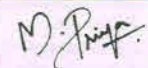

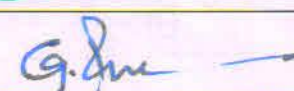
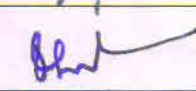
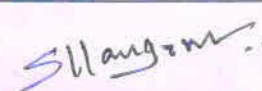
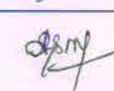
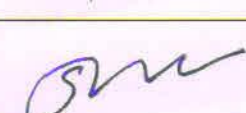
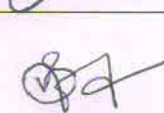
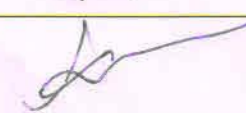
CC to CSE Board, ECE Board, EEE Board,  
MBA Board, Maths Board  
Governing Body  
Academic Council Coordinator/IQAC  
Principal  
File

(An Autonomous Institution affiliated to Anna University, Chennai)


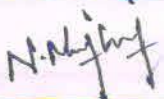


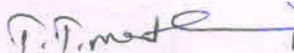


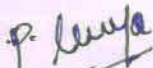


DEPARTMENT OF INFORMATION TECHNOLOGY

FIFTH BoS MEETING on 02.08.2022

Members Present:

S. No.	Name of the member with designation and address	Details of Member	Signature
1	Dr.P.Ganesh Kumar Professor & HoD / Department of Information Technolo 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.T.Senthilkumar Associate Professor / Department of CSE Amirta School of Engineering Amrita Viswa Vidya peetham, Coimbatore-641112.	SUBJECT EXPERT (From outside the Parent University)	
4	Dr.A.Umamakeswari Dean / School of Computing, Shanmugha Arts, Science, Technology & Research Acad SASTRA Deemed to be University, Thanjavur-613401.	SUBJECT EXPERT (From outside the Parent University)	
5	Mr.S. Sathyanarayanan External Ecosystem Leader Honeywell Technologies and Solutions, Madurai-625020	Industry Expert	
6	Mrs.M.Priya PHP Developer, Pruvity HR Solutions Private Limited, Madurai-625020	Post graduate Meritorious Alumnus	
7	Dr.A.V.Ramprasad Principal K.L.N. College of Engineering, Pottapalayam-630612.	Special invitee	
8	Dr.G.Ramesh Professor/Department of Information Technology K.L.N. College of Engineering, Pottapalayam-630612.	Member	
9	Dr.J.S.Kanchana Professor/Department of Information Technology K.L.N. College of Engineering, Pottapalayam-630612.	Member	
10	Dr.S.Ilangovan Associate Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam-630612.	Member	
11	Mr.A.Selvaraj Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam-630612.	Member	
12	Mr.M.Satheesh Kumar Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam-630612.	Member	
13	Ms.S.Vijayasharmila Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam-630612.	Member	
14	Mr.V.Aravinda Rajan Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam-630612.	Member	



15	Mrs. S. Jeniba Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
16	Ms. N. Muthamil Selvi Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
17	Mr.G.H.Ram Ganesh Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
18	Ms.RM.Suganya Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
19	Mrs.T.T.Mathangi Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
20	Mrs.N.Logamithra Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
21	Mrs.N.Vishnudevi Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
22	Mrs.P.Ramya Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
23	Mrs.K.Nivethika Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	
24	Mrs.J.Alice Anandhi Assistant Professor/Department of Information Technol K.L.N. College of Engineering, Pottapalayam- 630612.	Member	





**Fourth Board of Studies meeting - 13th Aug 2022**



**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**Minutes of Meeting**

Ref: KLNCE/BoS/Au.Engg./2022

Dated: 16.08.2022

The Fourth Board of Studies (BoS) meeting of the Department of Automobile Engineering was held on 13th Aug 2022 in online mode through Zoom Meeting.

<https://us06web.zoom.us/j/89778218778?pwd=K2xPMktzYVlsSHpId1dNMVB6NGI5Zz09>

MEMBERS PRESENT:			
S. No.	Name, Designation and College Details	Details of Members	Signature
1	<b>Dr.R.M.Satheesh Kumar,</b> Professor & Head, Department of Automobile Engineering, K.L.N. College of Engineering.	Chairman	
2	<b>Dr. V. M. Murugesan</b> Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore.	Anna University nominee	
3	<b>Dr. J. Jerald</b> Associate Professor, Department of Production Engineering, NIT, Tiruchirappalli.	Subject expert outside the Parent University	
4	<b>Dr. R. Vasudevan</b> Professor and Dean, School of Mechanical Engineering, VIT University, Vellore.	Subject expert outside the Parent University	
5	<b>Mr. K. Sundar</b> Assistant General Manager, Quality Assurance Hi-Tech Arai Pvt.Ltd, Madurai.	Industry Expert	
6	<b>Mr. P. Baskara Sethupathi</b> Assistant Professor (SG) Department of Automobile Engineering, SRM IST, Chennai.	Meritorious alumnus	
7	<b>Mr. R. V. Suresh Babu,</b> ASP/Au.Engg., KLNCE	Member	
8	<b>Dr. J. Rajesh Babu,</b> ASP/Au.Engg., KLNCE	Member	
9	<b>Mr. N. Rajkumar,</b> ASP/Au.Engg., KLNCE	Member	
10	<b>Mr.S.Suresh,</b> AP(SG)/Au.Engg., KLNCE	Member	
11	<b>Mr.L.Vivek Krishnakumar,</b> AP/Au.Engg., KLNCE	Member	
12	<b>Mr.G.S.Santha Venkatesh,</b> AP/Au.Engg., KLNCE	Member	

**K.L.N. COLLEGE OF ENGINEERING**

Pottapalayam, Sivagangai District-630612.

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

Ref: KLNCE/BoS/Au.Engg./2022

16.08.2022

**Board of Studies meeting – 13<sup>th</sup> August 2022****DEPARTMENT OF AUTOMOBILE ENGINEERING****Minutes of Meeting**

The Board of Studies (BoS) meeting of the Department of Automobile Engineering was held on 13<sup>th</sup> August 2022, @ 10:30 Am in online mode through Zoom Meeting.

<https://us06web.zoom.us/j/89778218778?pwd=K2xPMktzYVlsSHpId1dNMVB6NGI5Zz09>

<b>MEMBERS PRESENT:</b>		
<b>S. No</b>	<b>Name, Designation and College Details</b>	<b>Details of member Members</b>
1.	<b>Dr.R.M.Satheesh Kumar</b> , Professor &Head, Department of Automobile Engineering. K.L.N. College of Engineering.	BOS Chairman
2.	<b>Dr. V. M. Murugesan</b> Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore.	Anna University nominee
3.	<b>Dr. J. Jerald</b> Associate Professor, Department of Production Engineering, NIT, Tiruchirappalli.	Subject expert from outside the Parent University
4.	<b>Dr. R. Vasudevan</b> Professor and Dean, School of Mechanical Engineering, VIT University, Vellore.	Subject expert from outside the Parent University
5.	<b>Mr. K. Sundar</b> Assistant General Manager, Quality Assurance, Hi-Tech Arai Pvt.Ltd, Madurai.	Member representing industry
6.	<b>Mr. P. Baskara Sethupathi</b> Assistant Professor (SG), Department of Automobile Engineering, SRM IST, Chennai.	Member representing Postgraduate meritorious alumnus
7.	<b>Mr.R.V.Suresh Babu</b> , Associate Professor, Au.Engg.	Member
8.	<b>Dr.J.Rajesh Babu</b> , Associate Professor, Au.Engg.	Member
9.	<b>Mr.N.Rajkumar</b> , Associate Professor, Au.Engg.	Member
10.	<b>Mr.S.Suresh</b> , Assistant Professor(Sr.Gr)	Member
11.	<b>Mr.L.Vivek Krishnakumar</b> , Assistant Professor (Sr.Gr)	Member
12.	<b>Mr.G.S.Santha venkatesh</b> , Assistant Professor	Member

Mr.R.V.Suresh Babu, Associate Professor, Automobile Engineering, welcomed all the experts and members of BOS for the fourth online BOS meeting of Automobile Engineering.

Dr.R.M. Satheesh Kumar Chairman, BoS, started his presentation with the review of I to VI semester curriculum of Automobile Engineering. Further he presented the proposed curriculum of VII and VIII semester, proposed final year VII and VIII Semester B.E.Automobile engineering Syllabus, Syllabus of Professional elective courses, Syllabus of Open elective courses offered by the Automobile Engineering department, Open elective courses offered by the other departments. The proposed curriculum was framed as per the guidelines of AICTE, UGC and Anna University, Chennai.

Dr.J.Rajesh babu, Associate Professor, Automobile Engineering, thanked the expert members, BOS Chairman and Internal Members.

After reviewing the proposed curriculum and syllabus of Final year B.E Automobile engineering and overall curriculum the expert members Dr. V. M. Murugesan, Dr. R. Vasudevan, Dr. J. Jerald, Mr. K. Sundar and Mr. P. Baskara Sethupathi suggested the following points.

- Suggested to change the name of the VIIth sem Engine Performance & Engine Testing Lab as Engine testing Lab and suggested to avoid study experiment and limit the experiment to 10.
- Suggested the following in the VIIth sem Vehicle troubleshooting lab, use either troubleshooting or fault diagnosis in the name of experiment, change the name of air bleeding of hydraulic brakes as “brake bleeding”, the wheel bearing experiment as Servicing of differential unit, the removal and fitting of tire and tube as “Wheel balancing of tires” and include equipment and tools in the table.
- Suggested to add the topics like automobile carriages, types of layout and special tools in unit-1 in vehicle maintenance theory course
- Suggested to rename the open elective theory course as Modern vehicle technology instead of Modern technology for vehicle
- Suggested to rename Vegetable oil as fuel in unit-3 of the theory course Alternate fuel and energy system
- Suggested to rename the Unit V as Air conditioner and heater services in the professional elective theory course Automotive heating and ventilation
- Suggested to add the topic types of road, mode of transport in the theory course Regulatory Mechanism for Transportation



- Suggested to interchange the unit 4 and Unit 1 in the VIIth sem theory course Vehicle Body Engineering
- Suggested to interchange the unit 2 and Unit 1 in the open elective theory course Automotive electrical and electronics
- Suggested to add the topic group technology in unit 2 of Lean Methods for Automobile Engineers open elective course
- Suggested to add the Prerequisite in most of the course.



**CHAIRMAN / BoS**  
**Dr.R.M.Satheesh Kumar, Prof & Head/Au.Engg.**

Cc to Members of BoS, Principal , Coordinator / IQAC,  
Academic Council , Governing Body and 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 ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Ref: KLNCE/BoS/EIE/2022

20.07.2022

**Fourth Board of Studies (BoS) Meeting**



**Date of the Meeting: 16.07.2022 (Saturday)**

**Time : 10.30.A.M**

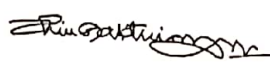
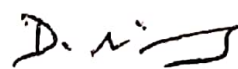

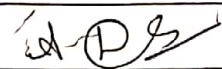
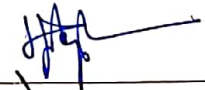
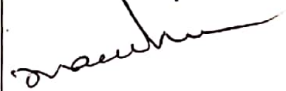

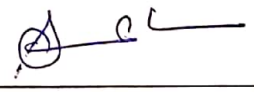

**Online Platform: Google Meet**

**MINUTES OF FOURTH BOARD OF STUDIES MEETING**

The fourth Board of Studies meeting for the Electronics & Instrumentation Engineering department was held through online on 16.07.2022 (Saturday) at 10.30 a.m. The following members were present in the Meeting

MEMBERS PRESENT:			
S. No	Name, Designation and College Details	Designation	Signature
1.	Dr.S.Nagammai Professor &Head, Department of Electronics & Instrumentation Engineering, K.L.N. College of Engineering	Chairman	
2.	Dr. N.Sivakumaran , Professor Instrumentation & Control Engineering National Institute of Technology Tiruchirappalli	Anna University Nominee	



3.	Dr. P.Thirusakthimurugan Professor / EIE Puducherry Technological University, Puducherry.	Subject expert outside the Parent University	
4.	Dr. D. Sivakumar, Professor/EIE (Rtd.,) Annamalai University Chidambaram.	Subject expert outside the Parent University	
5.	Dr. P. R.Venkateswaran, Senior Manager, Insulator Engineering, Bharat Heavy Electricals Ltd, Bengaluru	Industry Expert	
6.	Dr.A.Umarani, Professor/EIE	Member	
7.	Dr.D.Pradeep Kannan, Professor/EIE	Member	
8.	Mr. P.Ravikumar, Associate Professor	Member	
9.	Dr. S.Balamurugan, Assistant Professor (SG)	Member	
10.	Mrs.N.Vishnu Devi, Assistant Professor	Member	
11.	Dr.A.V.Ramprasad, Principal, K.L.N.College of Engineering	Special Invitee	

On behalf of KLNCE Management, Principal and Department of EIE, Dr. S.Nagammai, Chairman, Board of studies (BoS), Electronics and Instrumentation Engineering, welcomed the members and informed that all suggestions given in the third Board of Studies meeting held on 25.01.2022 were incorporated. The following is the agenda for the meeting:

## AGENDA

- Presentation of detailed syllabus of 7<sup>th</sup> & 8<sup>th</sup> semester courses
- Presentation of syllabus of Professional Elective courses pertaining to 7<sup>th</sup> & 8<sup>th</sup> semester
- Presentation of open elective II courses offered by EIE department

### **BoS 04.01: Business brought forwarded by the Chairman, BoS**

To consider and approve VII & VIII semester curriculum and Syllabus of B.E. Electronics and Instrumentation Engineering, Professional Elective courses and Open Elective courses offered by Department of EIE for other department Students.

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

- Suggested to include the topic linearization of thermistor in Unit I, rename the title of Unit II as DESIGN OF DATA LOGGER AND ELECTRONIC CONTROLLERS in the course **INSTRUMENTATION SYSTEM DESIGN**
- Suggested to rename the title of the course **THERMAL POWER PLANT INSTRUMENTATION** into **POWER PLANT INSTRUMENTATION** and suggested to include **NUCLEAR POWER PLANT INSTRUMENTATION** as part of the syllabus.
- Suggested to offer instrumentation based courses as open elective II instead of **INDUSTRY 4.0**
- Approved the syllabus of VII & VIII semester courses and syllabus of professional elective courses
- Approved the syllabus of Open electives courses offered by Department of EIE for other department Students.

### **Follow up Action:**

Based on the suggestion given by the Expert members, it is resolved to approve the curriculum and syllabus of VII & VIII semester of Electronics and Instrumentation Engineering with the following modifications.

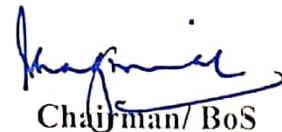
- i. The topic linearization of thermistor has been included in Unit I and title of unit II in the course namely **INSTRUMENTATION SYSTEM DESIGN** has been renamed as suggested.



- ii. The title of the course **THERMAL POWER PLANT INSTRUMENTATION** is renamed as **POWER PLANT INSTRUMENTATION** and concepts of **NUCLEAR POWER PLANT INSTRUMENTATION** has been included as Unit V.
- iii. The open elective II course namely **MODERN ELECTRONIC INSTRUMENTATION** is included instead of **INDUSTRY 4.0**.

BoS of Electronics and Instrumentation Engineering recommend the above resolutions to be presented in the Academic Council for further approval.

Dr.D.Pradeep Kannan, Professor/EIE proposed the vote of thanks and meeting ended at 11.45 a.m.



Chairman/ BoS  
**Dr. S.NAGAMMAI**  
Prof& Head/EIE

**Cc To :Head/Academics, Coordinator / IQAC, Principal and File**





**K.L.N. College of Engineering**  
**(An Autonomous Institution Affiliated to Anna University,**  
**Chennai) Accredited by NBA, New Delhi and Accredited by NAAC**  
**(Sponsored by K.L.N. Sourashtra College of Engineering Council)**  
**Pottapalayam- 630 612, Sivagangai District**



**Fourth Board of Studies Meeting – 21<sup>st</sup> July 2022**

**DEPARTMENT OF SCIENCE AND HUMANITIES (Mathematics)**  
**Minutes of the Meeting**

Fourth Board of Studies Meeting (through online - <https://meet.google.com/cqz-mpfx-sak>)  
for Science and Humanities Department (Mathematics) held on **21<sup>st</sup> July 2022** at 11.30 am.

**Members Present:**

S.No	Name, Designation, and College	Details of Members	Signature
1.	Dr. A.V. Ramprasad	Principal	
2.	Dr. J.K. Subashini	BoS Chairman, S&H Department Professor & Head / Mathematics	
3.	Dr. G. Senguttuvan Professor & HOD, Department of Physics & Nanoscience and Nanotechnology, UCE, BIT campus Anna university, Tiruchirapalli	Anna University Nominee	 21/7/2022
4.	Dr. S. Jeyabharathi Professor & Head, Mathematics Thiagarajar College of Engineering, Madurai	Subject Expert / Mathematics	
5.	Dr. R. Selvarani	Associate Professor / Mathematics	
6.	Dr. S. Sabarinathan	Associate Professor / Mathematics	
7.	Mrs. R. Kalaiselvi	Assistant Professor / Mathematics	
8.	Mr. G. Pushparajan	Assistant Professor / Mathematics	
9.	Mr. G. B. Kannan	Assistant Professor / Mathematics	
10.	Mrs. M. Jeyalakshmi	Assistant Professor / Mathematics	
11.	Mr. V. Ananth	Assistant Professor / Mathematics	
12.	Mrs. M. Nancy Femila	Assistant Professor / Mathematics	
13.	Mrs. K. Sathyabama	Assistant Professor / Mathematics	
14.	Mrs. R Usha	Assistant Professor / Mathematics	



Dr. J.K. Subashini, Professor & Head, Mathematics, Chairman Bos(S &H), started the meeting with the screen sharing information and the Welcome Address was delivered by the chairman.

Dr. A.V.Ramprasad, Principal offered special address. He thanked Anna University nominee and subject expert for their valuable suggestions and support on preparation of syllabi pertaining to B.E., CSE(Cyber Security) programme.

Dr. J.K. Subashini, Professor & HOD, Mathematics presented the detailed syllabus of the following courses.

The syllabus for the courses Discrete Maths and Linear Algebra (20BS305) and Mathematical Foundation for Cyber Security(20BS405), pertaining to the Third & Fourth semester of Computer Science & Engineering(Cyber Security) programme were presented.

The AU Nominee and the subject expert made their comments, recommendations and remarks for the courses. BoS chairman explained, justified and took note on certain points for ratification.

**Following are the observations and suggestions made by AU Nominee and the Subject expert.**

Dr. G. Senguttuvan suggested the following:

1. Course Objectives may be generic instead of specific.
2. AU nominee accepted the suggestions given by the subject expert Dr. S. Jeyabharathi and instructed the BoS chairman to incorporate the suggestions.

**Dr. S. Jeyabharathi suggested the following:**

- I. 1. For the third semester course titled "Discrete Maths and Linear Algebra (20BS305)", the availability of the entire content of the syllabus to be checked in the text book of Tremblay.J.P. and Manohar.R.  
2. The text book may be changed from Tremblay.J.P. and Manohar.R to Rosen.K.H.
- II. For the Fourth semester course titled "Mathematical Foundation for Cyber Security (20BS405)"
  1. The Course title may be changed to Number theory , Probability and Statistics instead of Mathematical Foundation for Cyber Security.
  2. More number of periods may be allotted for the units having two Cos.

**Follow up Action:**

1. Title for the subject "Mathematical Foundation for Cyber Security" has been changed to Number theory, Probability and Statistics (20BS405)".
2. Based on the suggestions given by the expert members, it is resolved to approve the syllabus for the courses namely "Discrete Maths and Linear Algebra (20BS305)", & Number theory, Probability and Statistics (20BS405)".

Board of studies of Science and Humanities (Mathematics) recommend the above syllabus to be presented in the Academic council for further approval.

BoS Chairman Mathematics, proposed vote of thanks.



**Chairman / BoS S&H Department**  
**Dr. J.K. Subashini, Professor & Head / Mathematics**

CC:

1. General Body
2. Academic Council
3. Principal
4. File



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

**DEPARTMENT OF MANAGEMENT STUDIES**

Date :30-07-2022

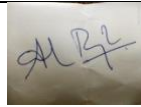
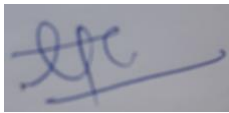
**Minutes of the Board of Studies Meeting, held on 30<sup>th</sup> July 2022, Saturday through Zoom meet.**

**Agenda :**



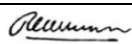

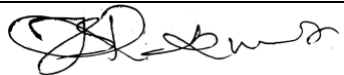

**To consider and approve the Management subjects of B.E/B.Tech. Programs in 7<sup>th</sup> and 8<sup>th</sup> semesters.**

**Members Present:**

**I-Details of the Expert Members:**

S.No.	Name of the Member & Designation	Category	Signature
1	Dr .K.ArulRajan, Professor, Dept. of Management Studies, PSG Institute of Management, Coimbatore.	Anna University - Nominee	
2	Dr.C.JothiBaskara Mohan Associate Professor & Head Dept. of Business Administration, Thiagarajar College, Madurai	Subject Expert Member from Outside -Parent University	

**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.M.Krishnaveni	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 for B.E. / B.Tech program as per the UG Regulation-2020 . He requested the members to offer their contribution and suggestions in the proposed subjects.
- He welcomed and thanked Anna University nominee **Dr.K.ArulRajan** Professor, Dept. of Management studies, PSG Institute of Management, and **Dr.C.JothiBaskaraMohan**, Associate Professor & Head -Dept. of Business Administration, Thiagarajar College for their support and contribution in the previous BoS meeting. He requested Prof. B.Shanthi to present the proposed syllabus.
- **Prof. B.Shanthi** presented the syllabus for professional courses of B.E./B.Tech programme.
- List of BE/B.Tech. Courses have been presented for approval in MBA BOS meeting on 30<sup>th</sup> July 2022.

Course Code	Course Category	Course Name	Department offering	Semester
20HS701	Professional Core Course	Management Concepts & Entrepreneurship Development	Mech	7
20HS7A1	Professional Elective Course	Human Rights	EEE	7
20HS7A3	Professional Elective Course	Engineering & Technology Management	ECE	7
20HS8A2	Professional Elective Course	Legal Aspects in Engineering	ECE	8
20HS8B1	Professional Elective Course	Introduction to NGO Management	ECE	8
20HS8B2	Professional Elective Course	Economics for Engineers	CSE	8

- Anna University nominee **Dr.K.Arul Rajan** and the subject expert **Dr.C.JothiBaskaraMohan**, suggested the following changes and additions in the proposed Management subject of B.E./B.Tech., course:
- **20HS701 - Management Concepts & Entrepreneurship Development:**
  - **Dr.K.Arul Rajan** suggested to add the topic Management by objectives in Unit III under the section Directing and also insisted to add the topic communication process under the section Communication in the same unit.
  - **Dr.C.JothiBaskaraMohan** suggested to change the subdivision SSI as MSME in Unit 4 and asked to add the topic Institutions Supporting Entrepreneurship under Unit 4.

- **20HS7A1 Human Rights**
  - **Dr.C.JothiBaskaraMohan** advised to enrich and elaborate the syllabus.
- **20HS7A3 Engineering & Technology Management**
  - **Dr.K.Arul Rajan** commented that the content of the syllabus is too technical and lacks management perspective which requires thorough revision.
- **20HS8A2 Legal Aspects in Engineering**
  - **Dr.C.JothiBaskaraMohan** suggested to remove 'Enacted Law' from UNIT 1 and asked to suffix 'Company law' with the prevailing title of Unit 3 'Business Organizations' and also insisted to add the topics MOA & AOA in Unit 3.
- **20HS8B1 Introduction to NGO Management**
  - **Dr.C.JothiBaskaraMohan** suggested to include CSR and ethics in NGO Management.
- **20HS8B2 Economics for Engineers.**
  - **Dr.K.Arul Rajan** advised to thoroughly revise and enrich the syllabus in relevance to the course title.
- **It has been resolved to incorporate the above suggestions offered by the Anna University nominee and subject expert** in the respective syllabus of Management subjects of BE./B.Tech. Programs.
- At the end of the meeting, **Dr.R.S.Balasenthil** Associate Professor - MBA, thanked **Anna University nominee, subject experts** and all the faculty members for giving valuable suggestions and their kind cooperation in the enhancement of curriculum and syllabus.



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

**CC to: GB, ACM, Principal and IQAC**  
**File copy**