

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/2021

03.05.2021

Minutes of Second Board of Studies Meeting

The Second Board of Studies meeting of Mechanical Engineering Department was conducted on 03.05.2021 (Monday) at 11.00 a.m. through ONLINE MODE.

Meeting Link:

<https://us02web.zoom.us/j/5859803689?pwd=RTNDbmJ3Z0RXTENONWdOMzVwZnlPUT09>

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.M.R.Thansekhar, Professor / Mech	INTERNAL MEMBER

8	Dr.A.N.Balaji, 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	Dr. R. Ashok Kumar AP(SG)/Mech	INTERNAL MEMBER
14	Dr.S.Porselvi AP(SG)/Mech	INTERNAL MEMBER
15	Dr. D. Muthukrishnan AP(Sr.Gr) / Mech	INTERNAL MEMBER
16	Mr. E.V.Ganeshbabu AP/Mech	INTERNAL MEMBER
17	Mr. S. Nallathambi AP/Mech	INTERNAL MEMBER
18	Dr. N.Nagasubramanian AP/Mech	INTERNAL MEMBER
19	Mr.M. Mohanraj AP/Mech	INTERNAL MEMBER
20	Dr. K.J. Nagarajan AP/Mech	INTERNAL MEMBER
21	Mr.T. Samynathan AP/Mech	INTERNAL MEMBER
22	Mr.T.L.Vijayakumar AP/Mech	INTERNAL MEMBER
23	Mrs.B. Devi AP/Mech	INTERNAL MEMBER
24	Dr.R. Pandiarajan AP/Mech	INTERNAL MEMBER
25	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering.	SPECIAL INVITEE

Dr.M.R.Thansekhar, Prof./Mechanical Engineering Department welcomed the Special Invitee, 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. The Resolutions made as per the suggestions and recommendations in First BoS Meeting is put up in First Academic Council Meeting held on 26.09.2020 and Governing Body Meeting held on 28.11.2020.

The following suggestions and recommendations are provided in First Academic Council Meeting and Governing Body Meeting.

- Theory cum Practical Courses can be introduced.
- More Trans disciplinary Subjects may be introduced as Open Elective.
- Industrial Experts can be involved in framing the syllabus of few subjects if and when required.
- GATE Syllabus can be considered while framing the syllabus.
- Motivation for doing more number of Industrial Projects.
- Emphasis on Research & Development, Funded Projects.
- Specialized Faculty members.
- To attract more admissions of students.

Hence the Subjects such as 20ME404 Metrology and Measurement Practices, 20ME505 Machine Drawing are introduced as Theory cum Practical Courses in IV and V Semesters respectively.

It is proposed to get guidance from various Industrial Experts for framing the Syllabi of the following Subjects like 20ME505 Machine Drawing, 20ME603 Lean Manufacturing etc.,

GATE Syllabus is included in the Syllabus.

2. Presentation of Syllabus for Mechanical Engineering courses offered in the III and IV semester of B.E. - Mechanical Engineering.

3. Presentation of B.E. (Mech. Engg.) Program – V to VIII semesters curriculum (proposed) for the students admitted from the Academic Year 2020-21.

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

- To define the number of objectives, course outcomes, text books, reference books for each subject.
- To include NPTEL Study materials.
- The following recommendations are suggested in the syllabus of III and IV Sem B.E., Mech. Engg., subjects

1. 20ME301 Strength of Materials

Unit 1 Include true stress and true strain

Unit 2 Include Compound cylinders, Reframe Mohr' circle of stress

Unit 3 Add Compound Cylinders

Unit 4 Rename the title, include standard rolled sections

Unit 5 Rename the title.

2. 20ME302 Fluid mechanics and Machinery

Unit 1 Include flow measurement

Unit 2 Include types of boundary layer thickness, Hagen Poiseuille's Equation,

Unit 4 Include concepts of water hammer.

3. 20ME303 Manufacturing Processes

Unit 4 Change Peen forming process to shot peening, Remove design considerations for powder metallurgy.

Include the book "Manufacturing Science", by Amitabh Gosh, Ashok kumar Mallik.

4. 20ME304 Engineering Thermodynamics.

Unit 1 Include Thermodynamic Processes and systems

Include the book "Fundamentals of Thermodynamics", by Sonntag, R.E., Borgnakke, C., and Van Wylen,

5. 20ME3L1 Strength of Materials Laboratory

Change the experiment "Strain measurement using Rosette strain gauge" as Strain Measurement using Single and Tri axial strain gauges.

6. 20ME401 Kinematics of Machinery

Include more number of reference books.

7. 20ME402 Manufacturing Technology

Unit 1 Include Thermal effects.

8. 20ME403 Thermal Engineering

Include more number of reference books.

9. 20ME404 Metrology and Measurement Practices

Unit 4 Include 3D Scanning Metrology

Unit 5 Add Measurement of speed and acceleration

To include Mechanical measurements book by Doebelin.

- To include Battery technology as Professional elective subject in VI Semester.

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

- The number of objectives – 5, number of course outcomes – 6, no. of text books – 3, no. of reference books – 5 is defined.
- NPTEL Study materials is included as E – Resources.
- The following corrections are made in the syllabus

1. 20ME301 Strength of Materials

Unit 1 true stress and true strain is included

Unit 2 Compound cylinders, Reframe Mohr' circle of stress is included

Unit 3 Compound Cylinders is added

Unit 4 title is renamed, standard rolled sections is included

Unit 5 title is renamed.

2. 20ME302 Fluid mechanics and Machinery

Unit 1 flow measurement and types of flow is included

Unit 2 types of boundary layer thickness, Hagen Poiseuille's Equation is included

Unit 4 concepts of water hammer is included

3. 20ME303 Manufacturing Processes

Unit 4 Peen forming process is changed to shot peening, design considerations for powder metallurgy is removed.

Book "Gosh A, Mallik, A.K., Manufacturing Science, East-West Press Pvt Ltd, 2010" is included.

4. 20ME304 Engineering Thermodynamics

Unit 1 Thermodynamic Processes and systems is included

Book "Sonntag,R.E., Borgnakke, C., and Van Wylen, Fundamentals of Thermodynamics, 7th Edition, Wiley Eastern Ltd, 2009" is added.

5. 20ME3L1 Strength of Materials Laboratory

"Strain measurement using Rosette strain gauge" is changed as Strain Measurement using Single and Tri axial strain gauges.

6. 20ME401 Kinematics of Machinery

The following reference books are added.

1. Robert Norton., "Kinematics and Dynamics of machinery" 1st Edition, McGraw Hill India., 2009

2. Rao and Duggipati, R.V, "Mechanism and Machine Theory", New Age International Pvt. Ltd., 2010.

3. Thomas Bevan, "Theory of Machines", CBS – 3rd Edition, 2010.

4. Sadhu Singh, "Theory of Machines". Pearson Education, New Delhi, 2009.

7. 20ME402 Manufacturing Technology

Unit 1 Thermal effects is added.

8. 20ME403 Thermal Engineering

The following reference books are added.

1. Cengel. Y and M.Boles, "Thermodynamics - An Engineering Approach", 7th Edition, Tata McGraw Hill, 2010.
2. Michael J. Moran, Howard N. Shapiro, "Fundamentals of Engineering Thermodynamics", 8th Edition, 2003.
3. Sarkar, B.K,"Thermal Engineering" Tata McGraw-Hill Publishers, 2007
4. Sonntag, R.E., Borgnakke, C., and Van Wylen, Fundamentals of Thermodynamics, 7th Edition, Wiley Eastern Ltd, 2009.
5. Rudramoorthy, R, "Thermal Engineering ",Tata McGraw-Hill, New Delhi,2003

9. 20ME404 Metrology and Measurement Practices

Unit 4 3D Scanning Metrology is included

Unit 5 Measurement of speed and acceleration is added

Ernest O. Doebelin, "Measurement Systems: Application and Design"
McGraw Hill Education, 2017 is added.

- Battery technology is included as Professional Elective subject in Semester VI.

As per the directions of AICTE, Dr. P. Udhayakumar, Chairman / BoS, Mechanical Engineering Department informed the BoS members about the AICTE Circular notifying that "NCC should be introduced as general elective credit course in technical institutions / universities"

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

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2	Dr.R.B.Anand Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015.	ANNA UNIVERSITY NOMINEE	Dr. R. B. Anand May 19, 2021
3	Dr.G.Saravana Kumar Professor, Department of Engineering Design, Indian Institute of Technology Madras Chennai	SUBJECT EXPERT (Other than Parent University)	Dr. G. Saravana Kumar
4	Dr. T. Ramesh Associate Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620 015.	SUBJECT EXPERT (Other than Parent University)	Dr. T. Ramesh
5	Dr.Balakrishnan Gopal Engineering Manager, Caterpillar India Pvt Ltd Chennai.	INDUSTRY EXPERT	Dr. B. Balakrishnan Gopal
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7	Dr.M.R.Thansekhar, Professor / Mech	INTERNAL MEMBER	Dr. M. R. Thansekhar
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23	Mrs.B. Devi AP/Mech	INTERNAL MEMBER	Mrs. B. Devi
24	Dr.R. Pandiyarajan AP/Mech	INTERNAL MEMBER	Dr. R. Pandiyarajan
25	Dr.A.V. Ramprasad Principal, K.L.N. College of Engineering	SPECIAL INVITEE	Dr. A. V. Ramprasad

K.L.N. COLLEGE OF ENGINEERING

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POTTAPALAYAM – 630 612



SECOND BOARD OF STUDIES MEETING – MINUTES

Goggle Online Meet

PERIOD - MAY 2021

Department of Electronics and Communication Engineering

**Minutes of Second Board of studies Meeting held on
10th May, 2021 at 02.00 PM**

Mode: Through Online

(Meeting Link: <https://meet.google.com/muz-apdq-uup>)

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

Second Board of studies Meeting

Mode: Through Online

(Meeting Link: <https://meet.google.com/muz-apdq-uup>)

Date & Time: 10.05.2021 & 02.00 P.M.

AGENDA

The Second Board of studies Meeting was convened to get the approval for III to VIII semester curriculum, detailed syllabus of III and IV semester of UG Programme, III and IV curriculum and syllabus for PG programme




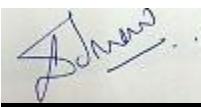


BoS / ECE 2.1:	Welcome address and Opening Remarks by Chairman, Board of studies, Department of Electronics and Communication Engineering
BoS / ECE 2.2:	Confirmation of the Minutes of the first Board of Studies Meeting Department of Electronics and Communication Engineering held on 7 th August, 2020 and Action taken report of first meeting of Board of studies
BoS / ECE 2.3:	Business brought forward by the Chairman, Board of studies 2.3.1 UG R2020 III to VIII semester curriculum and III and IV semester detailed syllabus 2.3.2 PG R2020 III and IV semester curriculum and III and IV semester detailed syllabus 2.3.3 Detailed syllabus of 20EC405-Fundamentals of Signals and Systems course for the IV semester B.E EIE R2020 and detailed syllabus of 20EC304-Analog & Digital Communication course for the III semester B.E. CSE R2020 and B.Tech. IT R2020
BoS / ECE 2.4:	Suggestions given by the BOS Members
BoS / ECE 2.5:	Vote of thanks











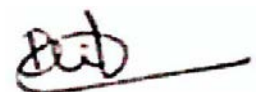
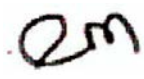
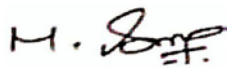

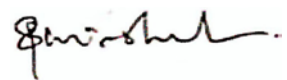
Department of Electronics and Communication Engineering


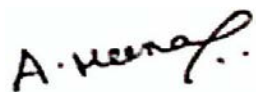
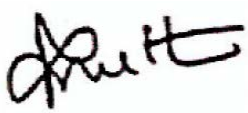

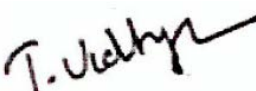
MINUTES OF THE MEETING

Second meeting of the Board of Studies of the Electronics and Communication Engineering Department of the K.L.N. College of Engineering was held on 10th May 2021 at 2.00 P.M. through online.

The following members were present:

Sl. 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	in absentia
7.	Dr.B.Sridevi, Professor & HOD/ECE Velammal Institute of Technology, Chennai	Member representing Post-Graduate meritorious alumnus	

Sl. 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.K.R.SHANTHY, Associate Professor		
14.	Dr.R.MOHAN KUMAR, Associate Professor		
15.	Dr.B.BUVANESWARI, Associate Professor		
16.	Dr.P.S.KUMARESH, Assistant Professor (SG)		
17.	Dr.S.SUBHA, Assistant Professor (SG)		
18.	Mrs.R.THILAGAVATHY, Assistant Professor (Sr.Gr)		
19.	Ms.L.MEENAKSHI, Assistant Professor (Sr.Gr)		
20.	Mrs.M.AMUDHA, Assistant Professor (Sr.Gr)		
21.	Mrs.T.R.MUTHU, Assistant Professor (Sr.Gr)		
22.	Mr.S.RAVI SANKAR, Assistant Professor		

Sl. NO.	Name of the Member and Designation	Role	Signature
23.	Mr.D.ANAND, Assistant Professor	Internal Members	
24.	Mrs.A.MEENA, Assistant Professor		
25.	Mrs.R.PAVITHRA, Assistant Professor		
26.	Mr.S.SELVA KUMAR, Assistant Professor		
27.	Mrs.T.Vidhya, Assistant Professor		

BoS / ECE 2.1:	<p>WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING</p> <p>The Chairman, BOS of the Electronics and Communication Engineering welcomed and introduced the members of second Board of Studies and thanked each of them for sparing their valuable time to attend the meeting</p>
BoS / ECE 2.2:	<p>TO CONFIRM THE MINUTES OF FIRST BOS MEETING HELD ON 07.08.2020</p> <p>The minutes of the First Board of Studies meeting held on 07.08.2020 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the First Academic council Meeting held on 26.09.2020.</p>
BoS / ECE 2.3.1:	<p>TO CONFIRM AND APPROVE</p> <p>UG R2020 III to VIII semester curriculum and III & IV semester detailed syllabus</p> <p>RESOLVED TO APPROVE</p> <p>Proposed III to VIII semester curriculum and III & IV semester detailed syllabus of UG R2020</p>

BoS / ECE 2.3.2	<p>TO CONFIRM AND APPROVE PG R2020 III & IV semester Curriculum and Syllabus</p> <p>RESOLVED TO APPROVE Proposed III & IV semester Curriculum and Syllabus of PG R2020</p>
BoS / ECE 2.3.3	<p>TO CONFIRM AND APPROVE Detailed syllabus of 20EC405 - Fundamentals of Signals and Systems course for the IV semester BE EIE R2020 and Detailed syllabus of 20EC304 - Analog & Digital Communication course for the III semester B.E CSE R2020 and B.Tech IT R2020.</p> <p>RESOLVED TO APPROVE Proposed syllabus of 20EC405 - Fundamentals of Signals and Systems - IV semester BE EIE R2020 and Proposed syllabus of 20EC304 - Analog & Digital Communication course for the III semester B.E. CSE R2020 and B.Tech IT R2020.</p>
BoS / ECE 2.4	<p>Suggestions Given by the Members:</p> <p>The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and Syllabus</p> <p>Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.</p>
<p style="text-align: center;">Suggestions provided for UG</p> <ol style="list-style-type: none"> 1. Number of textbooks recommended may be uniform for all theory courses. 2. As Control System topics are very important for GATE preparation, the proposed course “Control System and Instrumentation” may be bifurcated into two courses. One dedicated course as Control System and another course as Measurements and Instrumentation that can be included as an elective course. 3. Recommended to introduce case study in practical course syllabus. 4. Courses named “Computer architecture” and “Microprocessors, Microcontrollers and Interfacing” are falling in the same semester. Members Suggested to fix Computer architecture before Microprocessors, Microcontrollers and Interfacing. Also recommended to change the name of the course “Microprocessors, Microcontrollers and Interfacing” into “Microprocessors and Microcontrollers”. 	

5. Suggested to fix the elective course “Multi core Programming” after the professional core course “Embedded real-time Systems” in the curriculum design.
6. Clarified about the AICTE mandatory zero-credit courses evaluation process.
7. Appreciated project-based learning which is fixed in the VI semester and VIII semester. Suggested the same can be implemented in the IV semester also. During the IV semester, students may be allowed to attend internships or experimental field study. Suggested to denote the course “Professional Communication and technical presentation” as a Value Added Course.
8. Suggested to tune the credit distribution of Professional core courses, Professional elective courses and open elective courses in line with the AICTE norms.
9. Suggested to collect feedback about the syllabus from the students, teachers, employers and alumni students.
10. Recommended to encourage meritorious students in UG Programme to select electives from PG elective course list

Suggestions provided for UG-Other Department Course

1. Members recommend the following other department courses without any modifications.
 - 20EC405 - Fundamentals of Signals and Systems course for the IV semester
B.E. EIE R2020
 - 20EC304 - Analog & Digital Communication course for the III semester
B.E. CSE R2020 and B.Tech. IT R2020

Suggestions provided for PG

1. Recommended to include one more industry oriented, practical course in first semester to prepare the students as industry-ready professionals to pursue career.

**BoS / ECE
2.5**

Vote of thanks

Dr.K.R.Shanthy, Associate professor thanked all the members for their kind cooperation and the meeting came to an end.

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

- 1) Two Number of textbooks will be included in all theory courses.
- 2) The proposed course “Control System and Instrumentation” will be bifurcated into two courses.
 - One course named “Control System” will be fixed in the V semester and another one course named “Measurements and Instrumentation” will be included as an elective course.
- 3) From Semester V onwards, a case study will be included in the practical course syllabus
- 4) Proposed Course Name “Microprocessors, Microcontrollers and Interfacing” will be changed as “Microprocessors and Microcontrollers”. As per the suggestions received by the subject experts, the following shifting in the sequence of the courses has been done.
 - Computer Architecture course has been shifted to Semester IV, and in the following Semester, i.e in Semester V Microprocessors and Microcontrollers theory and Microprocessors and Microcontrollers lab courses are fixed.
 - Also, Control Systems course has been fixed in Semester V
- 5) The elective course “Multicore Programming” has been fixed under the professional elective list of semester VII. The elective course “Python for IoT” has been fixed under the professional elective list of semester VI.
- 6) A total of 14 hours will be allotted for AICTE mandatory zero-credit courses. It will be evaluated by conducting a one hour online MCQ test in the college campus.
- 7) In the forthcoming regulations, after getting approval from the Academic Council Members
 - IV semester, students may be allowed to attend internships or experimental field study.
 - “Professional Communication and technical presentation” course may be denoted as a Value Added Course.
- 8) In order to match with the AICTE norms in the credit allocation of Open-elective, one additional Open elective course is added in Semester VI.

- 9) Every year, a Department Advisory Committee (DAC) meeting is being conducted. In DAC meeting, stakeholders like students, parents, employers and alumni represent their feedback about the teaching learning process. As per subject experts' suggestion, in the forthcoming DAC meeting, feedback about the curriculum and syllabus will be added to the meeting agenda
- 10) After getting approval from the Academic Council members, meritorious students in UG Programme will be encouraged to select electives from PG elective course list.
- 11) In PG Program, one more industry oriented, practical course in the first semester will be included after getting approval from the Academic Council members.



CHAIRMAN, BOARD OF STUDIES

Annexure - I : Suggestions given by experts in the First BoS meeting and resolution taken

Annexure - II : Screenshots of SECOND BoS Meeting

Annexure - I Suggestions given by experts in the First BOS meeting and resolution taken

Suggestions provided	Resolution taken
FOR UG	
The total credit for UG Programme should be aligned with the credit suggested by AICTE	The total credit of UG course is reduced from 180, and it is set as 170
Introduce a theory cum practical course	Following Theory cum practical courses are introduced (20CS304, 20EC405, 20EC505, 20EC602, 20CS604, 20EC703)
The content of the course Transmission Lines and Antennas will be very vast and may over-burden the students	Transmission Lines and Antennas” Course have been separated into two courses, namely “Transmission lines and Wave Guides” course (V Semester) and “Modern Antennas in Wireless Telecommunications” course (VI Semester).
Suggested to assign Microwave course in VII semester	“Microwave and Optical Communications” is included in VII semester
Include Verilog HDL modeling in the course titled Digital System Design	Verilog HDL modeling is included in Digital System Design
In Open Electives, the courses form mechanical and Automobile Engineering may be included	Included some courses of mechanical and Automobile Engineering courses in open elective
Include the courses which describe entrepreneurship qualities	Included Project Management and Entrepreneurship course in the VI semester elective
Recommended to include Online courses in the curriculum	It has been mentioned as open elective/online certification course in the curriculum
FOR PG	
Encourage students in Project based learning	A Mini project course is added in the second semester of M.E. Programme
In M.E. syllabus, the inclusion of Research Methodology is mandatory as per the AICTE guidelines	As per AICTE model curriculum, “Research Methodology and IPR” course is introduced in the First Semester and Two Audit Courses are included in the First and Second Semesters. An Open Elective Course is added in the Third Semester.
Advanced courses like Fundamentals of 5G technology, Mobile computing and Virtual reality can be included in the elective list.	The following courses have been included as Professional electives... Virtual Reality Systems Smart Antennas for 5G Communication Fundamentals of 5G Networks
Encourage students in Project based learning	A Mini project course is added in the second semester of M.E. Programme

Annexure - II Screenshots of SECOND BOS Meeting

Department of Electronics and Communication Engineering on 10.05.2021

Google online meet link: <https://meet.google.com/muz-apdq-uup>

BoS Committee Members

Dr.V.Kejalakshmi, Professor & HOD, KLNCE	Chairman
Dr.M.Poongothai, Associate Professor/ECE Coimbatore Institute of Technology, Coimbatore	Anna University Nominee
Dr.A.Sivanantha Raja, Professor & HOD/ECE Alagappa Chettiar Government College of Engineering and Technology, Karaikudi	Special Invitee
Dr.D.Sriram Kumar, Professor/ECE National Institute of Technology, Tiruchirappalli	Subject Expert from outside the Parent University
Dr.U.Syed Abudhaghir, Associate Professor/ECE B.V. Raju Institute of Technology, Medak, Telangana	Subject Expert from outside the Parent University
Mr.R.B.Anent Prakash, Senior Manager Synopsys Inc., Bangalore	Member representing Industry
Dr.B.Sridevi, Professor & HOD/ECE Velammal Institute of Technology, Chennai	Member representing Post-graduate meritorious alumnus

Suggestions by experts – and its incorporation in UG R2020 Curriculum

Suggestions provided	Resolution taken
The total credit for UG Programme should be aligned with the credit suggested by AICTE	The total credit of UG course is set as 170 (reduced from 180)
Introduce a theory cum practical course	Following Theory cum practical courses are introduced (20CS304, 20EC405, 20EC505, 20EC602, 20CS604, 20EC703)
The content of the course Transmission Lines and Antennas will be very vast and may over-burden the students	Transmission Lines and Antennas Course has been separated into two courses, namely "Transmission Lines and Wave Guides" course (V Semester) and "Modern Antennas in Wireless Telecommunications" course (VI Semester)
Suggested to assign Microwave course in VII semester	"Microwave and Optical Communications" is included in VII semester
Include Verilog HDL modeling in the course titled Digital System Design	Verilog HDL modeling is included in Digital System Design
In Open Electives, the courses from mechanical and automobile engineering may be included	Included some courses of mechanical and automobile engineering courses in open elective
Include the courses which describes entrepreneurship qualities	Included Project Management and Entrepreneurship course in the VI semester elective
Recommended to include Online courses in the	It has been mentioned as an open elective/online certification course in the curriculum

meet.google.com/muz-apdq-uup?pli=1&authuser=0

REC B Buvaneswari B is presenting S Selvakumar S and 10 more 25 2:10 PM You

MEMBER A									
B.E. Electronics and Communication Engineering									
S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CREDIT POINTS	A	B	C	D	E
SEMESTER I									
1	EEEC101	Engineering Mathematics-I	EC	3	2	2	2	2	2
2	EEEC102	Engineering Physics-I	EC	4	3	3	3	3	3
3	EEEC103	Engineering Chemistry-I	EC	3	3	3	3	3	3
4	EEEC104	Engineering Mathematics-II	EC	4	3	3	3	3	3
5	EEEC105	Engineering Physics-II	EC	4	3	3	3	3	3
6	EEEC106	Engineering Chemistry-II	EC	3	3	3	3	3	3
SEMESTER II									
1	EEEC201	Signals and Systems-I	EC	3	3	3	3	3	3
2	EEEC202	Signals and Systems-II	EC	4	3	3	3	3	3
TOTAL									
				20	18	18	18	18	18

MEMBER B									
B.E. Electronics and Communication Engineering									
S.NO	COURSE CODE	COURSE TITLE	CATEGORY	CREDIT POINTS	A	B	C	D	E
SEMESTER I									
1	EEEC101	Engineering Mathematics-I	EC	3	2	2	2	2	2
2	EEEC102	Engineering Physics-I	EC	4	3	3	3	3	3
3	EEEC103	Engineering Chemistry-I	EC	3	3	3	3	3	3
4	EEEC104	Engineering Mathematics-II	EC	4	3	3	3	3	3
5	EEEC105	Engineering Physics-II	EC	4	3	3	3	3	3
6	EEEC106	Engineering Chemistry-II	EC	3	3	3	3	3	3
SEMESTER II									
1	EEEC201	Signals and Systems-I	EC	3	3	3	3	3	3
2	EEEC202	Signals and Systems-II	EC	4	3	3	3	3	3
TOTAL									
				20	18	18	18	18	18

Sivanapsha R...

Kumarresh PS

Buvaneswari B

S

J

Sriram kumar...

Pavithra R

Janakiraman ...

Sivaprakash ...

Jeyanthi R

Dr. Syed Abu...

Kejalakshmi V

Dr Poongotha...

Nareesh Sr

Meeting details

Raise hand

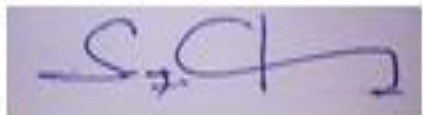
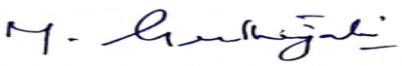

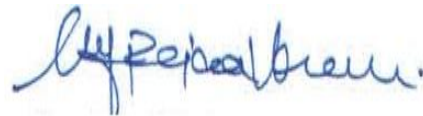
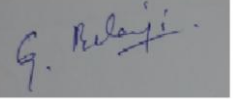
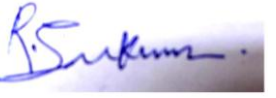
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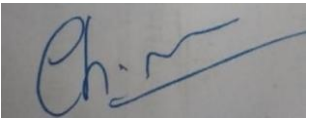


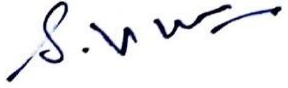


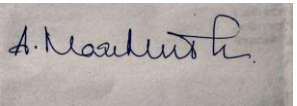




Buvaneswari B is presenting

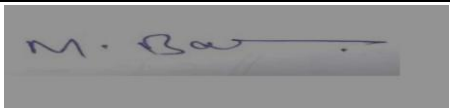

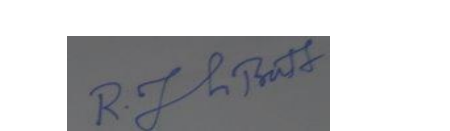
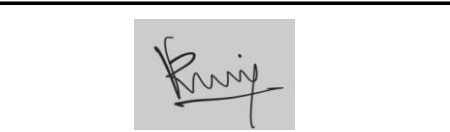
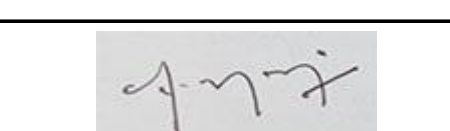


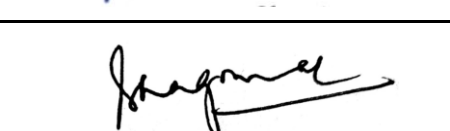
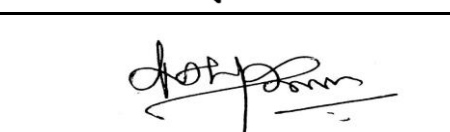
Second Board of Studies meeting-03rd May 2021**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING****Minutes of Meeting**


The Second Board of Studies (BoS) meeting of the Department of Electrical and Electronics Engineering was held on 03rd May 2021, through online mode.

meeting link: <https://meet.google.com/fjx-vygi-bii>

MEMBERS PRESENT:			Signature
S. No	Name, Designation and College	Details Details of Members	
1	Dr. S.M. KANNAN Professor &Head, Dept.of EEE. K.L.N. College of Engineering.	Chairman	
2	Dr.M.Geethanjali, Professor, Dept.of EEE. Thiagarajar College of Engineering, Madurai.	Anna University nominee	
3	Dr.R.Rajathy, Associate Professor, Dept.of EEE. Pondicherry Engineering College, Puducherry.	Subject expert from outsidethe Parent University	
4	Dr.G.Y.RajaaVikhram,Assistant Professor, Dept.of Electronics and Instrumentation Engineering. SRM Institute of Science and Technology, Kattankulathur, Chengalpattu District.	Subject expert from outsidethe Parent University	
5	Mr.BalajiGopalsamy, Senior Manager,R&D, Broadcom Research Private Limited,Bengaluru	Member representing corporate sector	
6	SankaranRamasamy, Engineering Director, Blueberry Semiconductor PVT Ltd, Bengaluru	Member representing industry	

7	Dr. S.Kuruseelan, Assistant Professor, School of Electrical Engineering(SELECT), Vellore Institute of Technology,Vandalur,Chennai.	Member representing Postgraduate meritorious alumnus	
8	Dr.S.Venkatesan,Professor,EEE,	Internal member	
9	Dr.K.Gnanambal, Professor,EEE	Internal member	
10	Dr.S.Parthsarathy, Professor,EEE	Internal member	
11	Dr.S.Venkata Narayanan, Professor,EEE	Internal member	
12	Dr.P.Loganthurai,Associate Professor/EEE	Internal member	
13	Dr.M.Jegadeesan, Associate Professor/EEE	Internal member	
14	Mr.A.Marimuthu, Associate Professor/EEE	Internal member	
15	Dr. C. Vimala Rani, Associate Professor/EEE	Internal member	
16	Dr.S.Manoharan, Assistant Professor(Sr.Gr) /EEE	Internal member	
17	Dr. M. Ganesh Kumari, Assistant Professor(Sr.Gr) /EEE	Internal member	
18	Mr.M.Jeyamurugan, Assistant Professor(Sr.Gr) /EEE	Internal member	

19	M. Balamurugan, Assistant Professor /EEE	Internal member	
20	Mr. T. Gopu, Assistant Professor/EEE	Internal member	
21	Mr.R.Jeyapandi Prathap, Assistant Professor/EEE	Internal member	
22	Mr.N.VimalRadhaVignesh, Assistant Professor/EEE	Internal member	
23	Mr.A.Manoj, Assistant Professor/EEE	Internal member	
24	Mrs.R.Sridevi, Assistant Professor/EEE	Internal member	
25	Mr.R.Thangasankaran, Assistant Professor/EEE	Internal member	
26	Mrs. S. Nagammai, Professor & Head/EIE, K.L.N. College of Engineering	Special Invitee	
27	Dr.R. Alageswaran, HoD/IT, IQAC Coordinator, K.L.N.College of Engineering.	Special Invitee	



Signature of HoD/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. They briefed about their educational qualification, experience Research and Development and Consultancy activities. Principal Investigators explained about their completed DST and ongoing DST funded Research projects. Dr.S.Parthasarathy, Professorexplained about IIPC activities of the college and the Department. He informed about the Harmonic consultancy and his Industrial clients. Dr.S. Venkata Narayanan, explained about Energy Audit Consultancy, his industrial clients, state level programmes conducted on Energy Audit through District Industrial Centres.

Chairman briefed about the Online academic activities carried out during the lockdown period from August 2020 to April 2021. These include conduct of online classes for III, V and VII semester B.E.EEE courses, first semester UG&PG Degree courses, internal assessments and maintenance of documents through MS Team and conduct of online examinations as per the guidelines of Anna University, Chennai. Also, he informed that the even semester classes for IV, VI and VIII semesters were completed through online mode and preparing for end semester autonomous examinations –April/May 2021.

Chairman, briefed the minutes of the first Board of Studies meeting held on 10th August 2020. During the meeting, the members approved the following, after incorporating the suggestions given by them

BoS.01.01: Curriculum of I to VIII semester B.E Electrical and Electronic Engineering, to be followed from the Academic Year 2020-2021.

BoS.01.02: Curriculum and Syllabus of I to IV semester M.E .Power Systems Engineering.

BoS.01.03: Curriculum and syllabus of Electrical and Electronics Engineering courses offered in the first and second semester of B.E./B.Tech Degree programs, B.E Mechanical Engineering, B.E.Electrical and Electronics Engineering, B.E Electronics and Communication Engineering, B.E Computer Science and Engineering, B.E Electronics and Instrumentation Engineering, B.E. Automobile Engineering and B.Tech Information Technology

The minutes of the first Board of Studies meeting held on 10th August, 2020 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the first Academic council meeting held on 26th September 2020. The Chairman, also briefed the suggestions of the members such as industry collaborated courses, faculty specialization based on emerging areas, improvement in consultancy and research, employable courses through industries.

BoS 02.01: Business brought forwarded by the Chairman,BoS.

To consider and approve

BoS.02.01.01.:B.E. Electrical and Electronics Engineering-III to IV semester curriculum and Syllabus.

BoS.02.01.02.: B.E.-Electronics and Instrumentation Engineering- courses offered(Theory/Practical) in the III semester

Dr.S.M.Kannan, presented, the proposed, B.E. Electrical and Electronics Engineering, III to IV semester curriculum and syllabus. He informed that the curriculum was framed as per the guidelines of AICTE, UGC and Anna University, Chennai.

Chairman presented the curriculum and syllabus of Electrical and Electronics Engineering courses offered in the third semester of B.E.-Electronics and Instrumentation Engineering.

The members had through discussion and suggested the following

- (i).The syllabus of 20EE302 Electron Devices and Circuits is vast. Need to narrow down by removing certain topics which may be studied later.
- (ii).Prerequisite for the courses may be given based on the previous courses studied.
- (iii).In the syllabus of 20EE403 Linear Integrated Circuits and Applications, title of Unit-V: Application of ICs may be revised
- (iv) In the syllabus of 20EE 404 Measurements and Instrumentation, types of AC bridges may be mentioned. Electrostatic and Electromagnetic interference may be removed. Topics such as Elements of Data Acquisition system, Power factor meter, Harmonic Analyzer/Power Quality Analyzer, Spectrum analyzer may be added in the concerned units.
- (v) For the course 20EE305 Electrical machines (EIE), topics on three phase transformer may be removed.

Based on the suggestion given by the members, it is resolved to approve the curriculum and syllabi, of B.E.-Electrical and Electronics Engineering –III to IV semester , 20EE305-Electrical Machines, 20EI3L2-Electrical Machines laboratory for B.E.- Electronics and Instrumentation Engineering with the following modifications.

- (i).In the syllabus of 20EE302: Electron Devices and Circuits, in Unit-II, the AC analysis is limited to CE amplifier only. In Unit-IV-Qualitative analysis only is mentioned for Power Amplifier circuits.
- (ii).Prerequisite for the courses are given based on the previous courses studied.
- (iii).In the syllabus of 20EE403 Linear Integrated Circuits and Applications, title of Unit-

IV and V- are revised as ‘Specialized IC Applications-Timers, VCO,PLL’, and ‘Application Of ICS-Voltage Regulators, Power Amplifier’ respectively, so as to specify the particular ICs.

(iv) In the syllabus of 20EE 404 Measurements and Instrumentation, In Unit-II, the contents are specifically mentioned as ‘Construction, working principle and Torque equation of MC,MI instruments’. In Unit-III-types of AC bridges are mentioned (Hay’s bridge, Wein bridge). The topic Electrostatic and Electromagnetic interference is removed .In Unit-IV; Elements of Data Acquisition system is added. In Unit-V, types of transducers specified and topics such as Power factor meter, Harmonic analyzer and Spectrum analyzer are added.

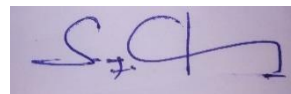
(v) For the course 20EE305 Electrical machines (EIE), a topic on three phase transformer is removed.

BoS 02.01.01: Resolved to Approve the B.E. Electrical and Electronics Engineering-III to IV semester curriculum and Syllabus.

BoS 02.01.02 : Resolved to Approve the B.E.-Electronics and Instrumentation Engineering- courses -20EE305-Electrical Machines, 20EI3L2-Electrical Machines laboratory

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

Dr.S.Parthasarathy, 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, POTTAPALAYAM – 630 612.

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

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: KLNCE/BoS/CSE/2021

06.07.2021





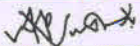

Minutes of Second Board of Studies Meeting















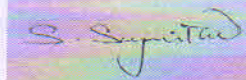
The Second Board of Studies meeting of Computer Science and Engineering department was conducted on 05.07.2021 at 4.00 p.m. through online.



Meeting Link:

<https://usha.my.webex.com/usha.my/j.php?MTID=ma5ba984b3f12cc47200d52612f58fa51>

Members Present:

S. No.	Name of the Members	Category	Signature
1	Dr.P.R.Vijayalakshmi 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	 <small>Ramasubramanian (Jul 17, 2021 15:27 GMT+5.5)</small> Ramasubramanian
3	Dr.T.Subbulakshmi Professor , Department of Computer Science and Engineering, Vellore Institute of Technology, Chennai – 600 127.	SUBJECT EXPERT (outside the Parent University)	 <small>Subbulakshmi T, Professor, VIT Chennai(July 19th , 2021))</small>
4	Dr. R. Ramalakshmi Professor , Department of Computer Science and Engineering, Kalasalingam University, Krishnankoil -626 128.	SUBJECT EXPERT (outside the Parent University)	 <small>Ramalakshmi R, Professor, Kalasalingam University</small>
5	Mr.A.P.Vinoth Kumar Senior IT Analyst – SAP SPP, Neovia Logistics, Chennai.	Industry Expert	 <small>Vinoth Kumar A P (Jul 20, 2021 17:14 GMT+5.5)</small> Vinoth Kumar A P
6	Mr.K.J.Ashok Babu Information Security Consultant -PCI, Stickman Consulting Pvt. Ltd., Shivaji Nagar, Bangalore – 560001.	Postgraduate Meritorious Alumnus	 <small>Ashok Babu KJ (Jul 20, 2021 18:05 GMT+5.5)</small> Ashok Babu KJ

S. No.	Name of the Members	Category	Signature
7	Dr.S.Miruna Joe Amali Professor / CSE	Member	
8	Dr.R.Lakshmi ASP / CSE	Member	
9	Mr.D.Pravin Kumar ASP / CSE	Member	
10	Dr.P.Premkumar ASP / CSE	Member	
11	Dr.M.Raghini ASP / CSE	Member	
12	Mrs.V.Karpagam AP (Sr. Gr.) / CSE	Member	
13	Mr.J.Sulthan Alikhan AP (Sr. Gr.) / CSE	Member	
14	Dr.V.Akilandeswari AP (Sr. Gr.) / CSE	Member	
15	Mrs.R.Kirubahari AP / CSE	Member	
16	Mr.D.Prabhu AP / CSE	Member	
17	Mrs.S.Brinda AP / CSE	Member	
18	Mrs.S.Venkata Lakshmi AP / CSE	Member	
19	Mrs. G. Rajeswari AP/CSE	Member	
20	Mrs K. Arunasakthi, AP/CSE	Member	
21	Ms.S.Sangamithra AP/CSE	Member	

22	Dr.A.V.Ramprasad Principal, K.L.N. College of Engineering, Pottapalayam – 630 612.	Special invitee	
23	Dr.R.Alageswaran HoD/IT, IQAC Coordinator, 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.P.R.Vijayalakshmi, 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 who joined in the meeting.

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

1. Presentation of B.E. (CSE) program – III to VIII semesters curriculum (updated as per the suggestions in first BoS meeting and Academic Council meeting).
2. Presentation of syllabus for Computer Science and Engineering courses offered by CSE department during third and fourth semester to B.E.(CSE) program and other B.E. / B.Tech programs in the institution.

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 updated and coined according to the comments suggested during the first BoS meeting. He pronounced consolidated and generic comments towards the syllabus of third and fourth semester.

1. Suggested having text books published after 2015 for all courses.
2. In general, regarding syllabus of any course, suggested to have recent trends and to discuss the comparisons with traditional approaches or architectures.
3. Suggested to have a common assessment and evaluation process across the institution as per the guidelines given by the University.
4. Suggested to ensure that online classes especially the practical courses must be handled with appropriate tools and the evaluation methods must enrich students' practical knowledge.

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

1. Assessment of Theory cum Practical Courses should be well defined and uniform.
2. For mini projects in laboratory courses, suggested to obtain the title of mini projects from students in prior during the start of the course.

3. Insisted to discuss time and space complexity for all algorithms in the Data Structures Course either in theory or practical to meet out industry needs.
4. For Operating Systems laboratory, suggested to have demonstration of virtualization in cloud instance.
5. Insisted to conduct online lab courses through browser based simulators for students.

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

1. Insisted to update recent text books for the courses Object Oriented Programming and Data Structures, Database Management Systems and Operating Systems.
2. In the course Java Programming offered to Electronics and Instrumentation Engineering, suggested to include either introduction to Object Oriented Programming concepts in the first unit or any perquisite/bridge course should be provided regarding the same. Also, Swings to be included in Unit V.
3. Suggested for assessing the demonstration component in Unit V of Operating systems as well based on student participation.

Mr.A.P.Vinoth Kumar, Senior IT Analyst- SAP SPP, Neovia Logistics, Chennai and Mr.K.J.Ashok Babu, PG alumnus appreciated that all the concepts that required to acquire fundamental knowledge have been included in the core courses.

Dr.A.V.Ramprasad, Principal, KLNCE thanked all the experts for their intelligible comments and appreciated all faculty members of CSE department for their effort put on to framing the syllabus.

Based on the suggestions given by the members, it is resolved to approve the R 2020 III and IV semester syllabus offered to B.E.(CSE) and other B.E. / B.Tech programs with the following modifications.

1. Latest edition of Text Books have been prescribed.
2. Swing component has been included in the Java Programming course offered to B.E.(EIE) program.

The 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.P.R.Vijayalakshmi, Prof. & HoD / CSE
Chairman / Board of Studies

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



K. L. N. COLLEGE OF ENGINEERING

Pottapalayam, Sivagangai District – 630 612.

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



Ref: KLNCE/BoS/Au.Engg./2021

29.06.2021

Second Board of Studies meeting - 26th June 2021

DEPARTMENT OF AUTOMOBILE ENGINEERING

Minutes of Meeting

The Second Board of Studies (BoS) meeting of the Department of Automobile Engineering was held on 26th June 2021 in online mode.

(<https://us02web.zoom.us/j/82523372975?pwd=WFcvOS9mZlVNU3phQzRTaGliVGNIz09>)

MEMBERS PRESENT		
S. No.	Name, Designation and College Details	Details of Members
1.	Dr. R. M. Satheesh Kumar Professor & Head, Department of Automobile Engineering. K.L.N. College of Engineering.	Chairman
2.	Dr. V. M. Murugesan Associate Professor, Department of Automobile Engineering, PSG College of Technology, Coimbatore.	Anna University nominee
3.	Dr. J. Jerald Associate Professor, Department of Production Engineering, NIT, Tiruchirappalli.	Subject expert outside the Parent University
4.	Dr. R. Vasudevan Professor and Dean, School of Mechanical Engineering, VIT University, Vellore.	Subject expert outside the Parent University
5.	Mr. K. Sundar Assistant General Manager, Quality Assurance Hi-Tech Arai Pvt.Ltd, Madurai.	Industry Expert
6.	Mr. P. Baskara Sethupathi Assistant Professor (SG) Department of Automobile Engineering, SRM IST, Chennai.	Meritorious alumnus
7.	Dr. A. V. Ramprasad Principal, K.L.N. College of Engineering.	Special Invitee
8.	Dr. R. Alageswaran HoD/IT, IQAC Coordinator, K.L.N. College of Engineering.	Special Invitee

S. No.	Name, Designation and College Details	Details of Members
9.	Mr. R. V. Suresh Babu , Associate Professor, Automobile Engineering	Member
10.	Dr. J. Rajesh Babu , Associate Professor, Automobile Engineering	Member
11.	Mr. N. Rajkumar , Associate Professor, Automobile Engineering	Member
12.	Mr. S. Suresh , Assistant Professor (SG) Automobile Engineering	Member
13.	Mr. L.Vivek Krishnakumar , Assistant Professor (Sr.Gr), Automobile Engineering	Member
14.	Mr. G. S. Santha venkatesh , Assistant Professor, Automobile Engineering	Member

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

Dr. A. V. Ramprasad, Principal, also welcomed all the members of BOS of Automobile Engineering and thanked all the Expert members for their Contributions in framing the Curriculum and syllabus.

Dr. R. M. Satheesh Kumar, Chairman BOS, started the presentation with the review of the first BOS meeting held on 20th August 2020. Then he presented the first year curriculum and syllabus of first year Automobile Engineering which was followed in the academic year 2020-21.

Subsequent to that he has presented the proposed curriculum and syllabus of Third and Fourth semester of B.E. Automobile Engineering and curriculum of V to VIII semesters with elective subjects to be offered to students. He informed that the curriculum was framed as per the guidelines of AICTE, UGC and Anna University, Chennai.

After carefully reviewing the proposed second year curriculum and syllabus and overall curriculum from I to VIII semesters of B.E Automobile Engineering, the expert members suggested the following points.

Dr. V. M. Murugesan suggested the following

- To include hand drawing practices of some machines and automobile components in the drawing sheet in the Computer Aided Machine Drawing laboratory course and suggested to change the name of Computer Aided Machine Drawing laboratory as Machine Drawing Laboratory in the third semester.
- To rename the “Electronics and Microprocessor Theory cum Laboratory Course” as “Basics of Automotive Electronics”, as the name seems to be very generic and the contents to focus on auto electronics.

- To maintain uniform number of text book and reference book for all subjects.
- To include N. D. Bhatt as text book in machine drawing instead of reference book.
- To change the name of the experiment to reflect the test carried out on the machine in Strength of Materials lab.
- To change the name of the experiment as performance test instead of performance characteristics.
- To include the Automotive Mechanics by N.K.Giri, Automotive Mechanics by S. Srinivasan and Advanced Engine Technology by Heisler as text book for Automotive Engines Course.
- To rearrange the units in the Automotive Chassis and Transmission subject in IV semester as First 3 units to cover the Chassis and remaining 2 units for transmission and to add Automotive Mechanics by N.K Giri in text books.
- To include Manufacturing technology by P.N.Rao and Welding and Welding Technology by Richard L Little in Manufacturing Processes and Technology theory course.
- To rename the lab course name “Automotive Components Laboratory” as “Automotive System Laboratory” and suggested to combine both dismantling and assembling experiments as well as to include servicing of systems in the lab course.
- To look into the need of having “Two and Three wheelers” as embedded theory and lab course, it can be taught as lab course because the theoretical contents were mostly covered in other courses.
- To rename the course name “Modern Technologies for Vehicle” as “Intelligent Vehicle Technologies” in VI Semester.
- To rename the course name “Mini Project” as “Innovation Practices Laboratory”.
- To include “Automotive Emission Control” course in VI semester instead of “Two and Three Wheeler” course.
- To offer the FEA course in VI semester instead of VII semester.
- To include the “Metrology and Quality Control” course in VII semester.
- To rename the laboratory course “Vehicle Maintenance” as “Vehicle Trouble Shooting” in VII semester.

Dr. R. Vasudevan suggested the following

- To incorporate ANSYS, CFD, MATLAB and SIMULATION software in the lab course to develop the skills of students in design and analysis domain.
- To rename the elective course “Noise, Vibration and Measurements” as “Noise, Vibration and Harness”.

- To include additional automobile stream electives instead of Management stream subjects.
- To group the elective subjects in stream wise like Manufacturing, Design, Thermal & Management.

Dr. J. Jerald suggested the following

- To provide 2 credits to the Laboratory course instead of 1.5 and recommended to compensate by changing the credit of theory course from 4 to 3.
- To arrange the elective courses in stream-wise like Manufacturing, Design, Management etc.
- To maintain uniform hour for each unit in theory course syllabus.
- To maintain uniform number of text book and reference book for all subjects in the syllabus.
- To change the name of the Manufacturing Technology lab to Manufacturing Process lab.
- To rearrange the contents of syllabus in Manufacturing Processes and Technology course.

Mr. K. Sundar suggested the following

- To include legal requirement for automobile as Mandatory course.
- To include the topics forming and shaping of rubber in Manufacturing Processes and Technology theory course.

Mr. P. Baskara Sethupathi suggested the following

- To split “Two and Three Wheelers” embedded course into separate theory and lab course.
- To shift the “Engine performance and Testing laboratory” course from VII to IV semester.
- To incorporate analysis and simulation software in Laboratory course content.

Based on the suggestion given by the members, it is resolved to approve the curriculum of III to VIII semester of Automobile Engineering and III & IV semester syllabus of Automobile Engineering with the following modifications.

- (i) The course name of “Computer Machine Drawing” is renamed as “Machine Drawing” in III semester.
- (ii) The course name “Electronics and Microprocessors” is renamed as “Basics of Automotive Electronics” in IV semester.
- (iii) Uniform number of text books and reference books for all courses is maintained.

- (iv) Additional textbooks and reference books referred by the experts in various courses are included.
- (v) The laboratory course “Vehicle Maintenance Laboratory” is renamed as “Vehicle Trouble Shooting Laboratory” in VII semester.
- (vi) The course name “Finite Element Analysis” is shifted from VII semester to VI semester.
- (vii) The course name “Modern Technologies for Vehicle” is renamed as “Intelligent Vehicle Technology” in VII semester.
- (viii) The course name “Mini Project” is renamed as “Innovation Practices Laboratory” in VI semester.
- (ix) The course name “Metrology and Quality Control” is included in the VII semester core subject.
- (x) The theory course “Vehicle Maintenance” is added in the VII semester electives.
- (xi) The elective courses are grouped as per various streams.
- (xii) The course name “Noise, Vibration and Measurements” is renamed as “Noise Vibration and Harness”.
- (xiii) The content legal requirement will be included in VIII semester elective course “Regulatory Mechanism for Transportation Systems”.

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

Dr. J. Rajesh Babu, Associate Professor, Automobile Engineering thanked all the expert members for their valuable suggestions and guidance for the improvement of Automobile Engineering curriculum and III & IV semester syllabus. Also thanked the Principal, IQAC Coordinator, HOD & BoS Chairman and members of BoS for their kind support and effort taken in framing the curriculum and syllabus.



CHAIRMAN / BoS

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

Cc to Members of BoS, Governing Body, Academic Council
Principal, IQAC Coordinator and File.



K. L. N. COLLEGE OF ENGINEERING, Pottapalayam, Sivagangai District - 630612.
(An Autonomous Institution, Affiliated to Anna University, Chennai)

Second Board of Studies meeting - 26th June 2021



DEPARTMENT OF AUTOMOBILE ENGINEERING

Minutes of Meeting

Ref: KLNCE/BoS/Au.Engg./2021

Dated: 29.06.2021

The Second Board of Studies (BoS) meeting of the Department of Automobile Engineering was held on 26th June 2021 in online mode.

<https://us02web.zoom.us/j/82523372975?pwd=WFcvOS9mZlVNU3phQzRTaGlVGNlZz09>

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



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

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

Affiliated to Anna University, Chennai

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Accredited by NAAC, Bengaluru

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Ref: KLNCE/BoS/EIE/2021

12.05.2021

Second Board of Studies (BoS) Meeting

Second BoS Meeting Agenda

Date of the Meeting: 12.05.2021 (Wednesday)

Time : 11.A.M

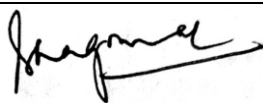

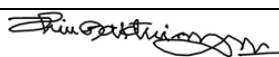




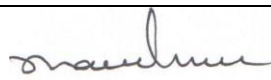


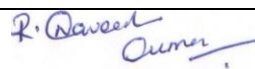
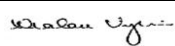


Online Platform: G –Meet

G suite meeting : <https://meet.google.com/uem-yvjm-dyx>

Welcome Address	Dr.D.Pradeep kannan Professor /EIE
Presentation of suggestions given in 1 st BOS	Chairman: Prof. S. Nagammai Professor & HOD/EIE
i.Presentation of B.E.,EIE Curriculum & Syllabus (III & IV semester) ii.Presentation of B.E.,EIE Curriculum (V to VIII semester)	Chairman: Prof. S. Nagammai Professor & HOD/EIE
Comments & Suggestions	Anna University Nominee & External Expert Members
Vote of Thanks	Mr. P.Ravikumar ASP/EIE

MINUTES OF SECOND BOARD OF STUDIES MEETING

The second Board of Studies meeting of Electronics & Instrumentation Engineering department was conducted through online on 12-05-2021 (Wednesday) at 11.00 a.m. The following members were present in the Meeting

MEMBERS PRESENT:			
S. No	Name, Designation and College Details	Designation	Signature
1.	Prof.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 & Head /EIE Pondicherry Technological University Puducherry.	Subject expert outside the Parent University	
4.	Dr. D. Sivakumar, Professor/EIE Annamalai University Chidambaram.	Subject expert outside the Parent University	
5.	Dr. P. R.Venkateswaran, Manager, Welding Research Institute, BHEL, Trichy.	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.	Mr.R.Naveeth Kumar, Assistant Professor	Member	
12.	Mrs.V.Malarvizhi,Assistant Professor	Member	
13.	Dr.A.V.Ramprasad, Principal, K.L.N.College of Engineering	Special Invitee	
14.	Dr.R. Alageswaran, HoD/IT, IQAC Coordinator, K.L.N.College of Engineering	Special Invitee	

On behalf of KLNCE Management, Principal and Department of EIE Dr.D.Pradeep Kannan, Prof/EIE welcomed all the members present and introduced BoS members. Prof. S.Nagammai, Chairman, Board of studies (BoS), Electronics and Instrumentation Engineering, presented suggestions given in the first Board of Studies meeting held on 19th September 2020.

It includes the following:

- ❖ To merge Object Oriented Programming (OOPS) Lab with theory for a credit of four
- ❖ To split Devices and Machines Laboratory courses into two separate Laboratory courses
- ❖ To introduce a course titled Electrical and Electronic Instrumentation instead of Electrical Measurements
- ❖ To introduce a course named Signals and System
- ❖ To merge Process Control and Computer Control of Process courses and introduce a new course named Process and Computer Control with modified contents
- ❖ To rename LDCS course as PLC and DCS with modified contents
- ❖ To include 'Smart and wireless Instrumentation' and 'Industrial Data networks' courses under the category of Professional Elective courses
- ❖ To include a course titled 'Instrumentation System Design' in 7th semester
- ❖ To include core courses in professional elective
- ❖ To reduce the total credits to 171

The minutes of the first Board of Studies meeting was communicated to the members. The suggestions given were incorporated and presented for confirmation. Chairman informed that the minutes were approved by the first Academic council meeting held on 26th September 2020. The Chairman, also briefed the suggestions of the ACM members such as industry collaborated courses, faculty specialization based on emerging areas, improvement in consultancy and research, employable courses through industries.

BoS 02.01: Business brought forwarded by the Chairman,BoS

To consider and approve III & IV semester curriculum and Syllabus of B.E. Electronics and Instrumentation Engineering

BoS 02.02: Business brought forwarded by the Chairman,BoS

To consider and approve V to VIII semester curriculum of B.E. Electronics and Instrumentation Engineering

Prof. S.Nagammai, presented, the proposed B.E. Electronics and Instrumentation Engineering, III & IV semester curriculum and syllabus and curriculum of V to VIII semester. She informed that the curriculum has been framed as per the guidelines of AICTE, UGC and Anna University, Chennai.

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

- i. Approved the syllabus of all courses of III semester.
- ii. Suggested to include “Signals & Systems” by Simon Haykin as text book instead of Allan V.Oppenheim, S.Wilsky and S.H.Nawab for the course “Fundamentals of Signals and Systems” in fourth semester.
- iii. Suggested to include a course titled “Micro controller based system design” in fifth semester.
- iv. Suggested to rename the title of the course “Process and Computer Control” either as Process control or as Process control and Automation in sixth semester. Further asked to ensure contents with the title coined. Also suggested to add few introductory topics on Industrial IOT, Data Analytics in relevance to Process control.
- v. Suggested to replace the Professional Elective IV course namely “Optimal control” by any of the core course
- vi. Suggested to include topics like Wireless HART, Wireless DCS & Wireless HMI in the Professional Elective III course namely Industrial IOT
- vii. Suggested to replace the Professional Elective V course namely “Professional Ethics in Engineering” by any of the core course, as Universal Human Values course is offered as a mandatory course during third semester.
- viii. Suggested to rename the course “Digital Image processing” as “Image processing”

Follow up Action:

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

- i. “Micro controller based system design” will be given as one of the Professional Elective course.
- ii. The Professional Elective IV course namely “Optimal control” will be replaced by the course “Mechatronics”
- iii. The Professional Elective V course namely “Professional Ethics in Engineering” will be replaced by the course “Micro controller based system design”

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

- ❖ Mr.P.Ravikumar, Associate Professor/EIE thanked all the members for their valuable suggestions. Meeting ended at 12.30 p.m.



Chairman/ BoS
S.NAGAMMAI, Prof& Head/EIE

Cc To : Governing Body, Academic Council, Coordinator / IQAC, Principal and File.



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

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

Department of Information Technology

Ref: KLNCE / BoS//IT/2021/

Date: 15.06.2021

Minutes of Third Board of Studies Meeting

The third Board of Studies meeting was conducted through online on 14-06-2021 (Monday). The meeting was started by 02.00pm. The following points were discussed in the meeting.

Meeting Link

<https://us02web.zoom.us/j/3634654904?pwd=OS92b3VQVURQWUswbVBzUEgwOHl4QT09>

Members Present:

- | | | |
|---|--|---|
| 1 | Dr.R.Alageswaran
Prof. & HoD
Department of Information Technology
K.L.N. College of Engineering | CHAIRMAN |
| 2 | Dr.S.Padmavathi
Professor
Department of Information Technology
Thaigarajar college of Engineering | ANNA UNIVERSITY
NOMINEE |
| 3 | Dr. A. Umamakeswari
Dean
School of Computing, Shanmugha Arts, Science,
Technology & Research Academy SASTRA Deemed to be
University | SUBJECT EXPERT
(from outside the Parent
University) |
| 4 | Dr.T. Senthilkumar
Associate Professor / CSE
Amirta School of Engineering
Amrita Viswapeetham, Coimbatore | SUBJECT EXPERT
(from outside the Parent
University) |
| 5 | Mr.SathyaNarayana
University Focal
Honeywell Technologies and Solutions | Industry Expert |
| 6 | Ms.M.Priya
PHP Developer ,
Pruvity HR Solutions Pvt. Ltd | Postgraduate Meritorious
Alumnus |

7	Dr.A.V.Ramprasad Principal K.L.N. College of Engineering,	Special invitee
8	Dr.G.RAMESH, Professor / IT	Member
9	Dr.P.GANESH KUMAR, Professor / IT	Member
10	Dr.J.S.KANCHANA , ASP /IT	Member
11	Dr.S.ILANGO VAN, ASP / IT	Member
12	Dr.S.ILANKUMARAN, ASP / IT	Member
13	Mr.A.SELVARAJ, (Sr. Gr.) / IT	Member
15	Mr.M.SATHEESH KUMAR, AP / IT	Member
16	Dr.S.RAMESH, AP / IT	Member
17	Mrs.C.MANJULA DEVI, AP / IT	Member
18	Ms.S.VIJAYASHARMILA, AP / IT	Member
19	Mr.J.GAUTAM, AP / IT	Member
20	Mr.V.ARAVINDA RAJAN, AP / IT	Member
21	Mrs. S. JENIBA, AP / IT	Member
22	Mr. K.VIMAL, AP/IT	Member
23	Ms. N. MUTHAMIL SELVI	Member

- **Dr.R.Alageswaran, Chairman /BOS** welcomed the members of BOS and introduced the members. Also, he welcomed the new BOS expert Dr. T. Senthilkumar, Amrita School of Engineering, Amrita Vidya Viswapeetham, Coimbatore. He presented the vision and mission of the institution and department and the History of the department.
- **Dr.A.V.Ramprasad, Principal** gave introductory remarks about the achievements of the Institution from the inception. He outlined the process of curriculum development in KLNCE. He requested the experts to provide the suggestions to strengthen the curriculum and syllabus of the KLNCE Autonomous system.
- **Chairman/BOS** presented the suggestions given during the first BOS meeting and the action taken.

BOS experts discussed about the evaluation of term paper writing in 2nd semester of M.E. (CSE) and it was concluded that the students should submit the survey paper at the end of the Term paper writing course to Journal / Conference. Also, project guides can be assigned in 2nd semester itself and the term paper itself should be related to Project phase – I and II.

Chairman/BOS presented the revised Curriculum of UG programme B.Tech-IT (3rd to 8th Semester) and the syllabus for the subjects specific to IT in 3rd and 4th semesters. The subjects common to CSE to IT are approved in CSE board, Chairman told.

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

Dr. A. Umamakeswari

- Theory Cum Practical course should contain theory component followed by Practical component unit-wise.
- Separate rubrics must be prepared for Mini Project in VII semester and Project Course in VIII semester.
- RMI and JDBC can be included in OOPS course if possible. Mr. M. Satheeshkumar told that JDBC is taught in Web Programming course. In Web Programming course, topics like JSP, Servlet and Applet.

Dr. T. Senthilkumar

- System assembling course can be included as pass or fail course so that students can learn interestingly.
- Instead of ADC, one IT related programming course on data science can be included.
- Embedded System and IOT laboratory experiments should not overlap.
- Instead of having mobile Communication as one course, Android programming can be taught in the mobile Application Development lab and one course like data visualization with python can be included instead of Mobile Communication.
- Mini project and Project course can be named as Project Phase – I and Project Phase – II respectively. Project guides can be identified in Project phase – I and if the student did not get placement they can continue with the same guide during Project Phase – II. If student gets placement, he / she can go to industry and do the industry project.
- Deep Learning Course can be included as Elective course.
- In OOP lab course, students can be grouped and they can do simple CASE study and at the end students can show UI using swing, connecting with database to learn about Event driven programming.

Dr. S. Padmavathy

- AU nominee thanked the Chairman /BOS for considering all the suggestions given during the first BOS meeting and taking appropriate actions, particularly, reducing the total credits based on AICTE model curriculum.
- As an autonomous institution, flexibility should be there to fix the assessment pattern for the courses.
- In software Engineering Laboratory, mini project can be included and also mini project can be included in the courses wherever possible.
- For Theory Cum practical Courses, separate theory component and practical component can be assigned and also course outcomes should be separate for theory and practical component.
- In most of the institutions, JDBC and ODBC connectivity are taught in DBMS laboratory.
- As per AU norms, course title should not be specific to any software like Android or iOS. Generic name shall be given for course name. Instead of Android Programming suggested by Dr. T. Senthilkumar, in Mobile App development laboratory, either Android or iOS can be taught.

Ms. S. Priya

- Embedded Systems course title will be opt for IT students than Microprocessor and Microcontroller. In Embedded System Course, one or two Microcontroller Architecture can be taught.
- **Dr.P.Ganeshkumar**, Professor/IT presented revised Curriculum and Syllabus of 3rd and 4th Semester of PG programme M.E. (CSE) (With Specialization in Networks).

Suggestions and Recommendations by BOS members for M.E – CSE (WSN) Programme:

Dr. A. Umamakeswari

- For setting up GPU lab. Proposal can be submitted to NVidia, and if approved, through remote login you can access it.
- 20NE204 Advanced Software Engineering syllabus contains architectures and Design. This must be checked.

Dr. T. Senthilkumar

- For Embedded Software Development, Social Network Analysis and Protocols and Architectures for WSN, practical components can be included. In assessment pattern, practical Components assessment must be separate.
- From II unit of Embedded Software Development, practical component can be included.

- Web Phishing can be included if possible in III semester.
- GPU Lab can be setup in collaboration with NVidia to run network applications.

Dr. S. Padmavathy

- Students can be encouraged to have login with IBM cloud and they can do experiment relevant to SDN or IoT. AWS also can be used for this purpose.
- If practical component is not able to add in some courses, at the end of the V unit, CASE study can be included wherever possible.
- Industrial experts from CISCO or Ericson can be called to provide hands-on practice for topics like SDN and Virtualization.
- Assessment Pattern can be reviewed for the courses.
- Experts from NVidia can be invited to provide two to three days Hands-on training to use GPU through remote login.

Suggestions to be passed to CSE BOS

- Dr. A.Umamakeswari suggested to provide the choice of the programming language to be used by the students for DSA course. This can be either C or C++.
- Dr. T. Senthilkumar told that the programming language can also be Python for DSA course. Software Engineering Essentials can be named as Software Engineering and it can be project based course. 20CS604 – Machine Learning Theory and Practices course can be named as Machine Learning.
- Dr. S. Padmavathy also suggested that 20CS604 – Machine Learning Theory and Practices course can be named as Machine Learning. In software Engineering Laboratory, mini project can be included.

Suggestions to be passed to ECE BOS

- Dr. T. Senthilkumar suggested not to combine Microprocessor and Embedded Systems. Embedded System can be taught as one course. In Embedded System lab course, practical component using Arduino can be included. Instead of ADC, one IT related programming course on data science can be included.
- Dr. S. Padmavathy suggested that Microprocessor and Embedded system course can be either Microprocessors and Microcontrollers or Embedded systems.

Based on the suggestions given by the experts / members, it is resolved to approve the R 2020 B. Tech (Information Technology) 3rd to 8th Semester Curriculum and 3rd and 4th semester syllabus specific to IT department and M.E. CSE (WSN) 3rd and 4th 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.**


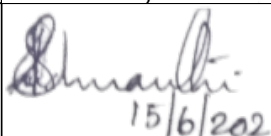
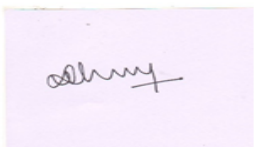



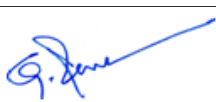





- **Dr. G. Ramesh**, Professor/IT delivered Vote of Thanks.
- The technical support for the entire meeting was done by **Mr.J.Gautam**, Assistant Professor/IT
- This BOS online meeting came to end at 4.00pm





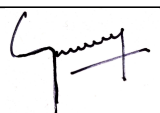
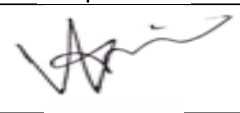
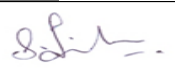

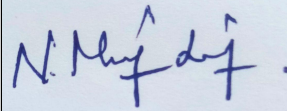


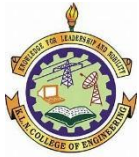
Dr. R. Alageswaran, Prof. and Head / IT
Chairman / Board of Studies

CC to CSE Board, ECE Board
Governing Body
Academic Council
Coordinator / IQAC
Principal
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K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM - 630 612**(An Autonomous Institution affiliated to Anna University, Chennai)****DEPARTMENT OF INFORMATION TECHNOLOGY****THIRD BoS MEETING on 14.06.2021****Members Present:**

S. No.	Name of the member with designation and address	Details of Member	Signature
1	Dr.R.Alageswaran Prof. & HoD Department of Information Technology K.L.N. College of Engineering	CHAIRMAN	
2	Dr.S.Padmavathi Professor Department of Information Technology Thaigarajar college of Engineering	ANNA UNIVERSITY NOMINEE	 15/6/2021
3	Dr. T. Senthil Kumar, Associate Professor, Department of Computer Science and Engineering Amrita School of Engineering, Amrita Vidya ViswaPeetham, Coimbatore	SUBJECT EXPERT (from outside the Parent University)	
4	Dr. A. Umamakeswari Dean School of Computing, Shanmugha Arts, Science, Technology & Research Academy SASTRA Deemed to be University	SUBJECT EXPERT (from outside the Parent University)	
5	Mr.SathyaNarayana University Focal Honeywell Technologies and Solutions	Industry Expert	sathyanarayan an.subbiah@h oneywell.com <small>Digitally signed by sathyanarayan.subbiah@honeywell.com DN: cn=sathyanarayan.subbiah@honeywell.com Date: 2021.07.28 13:03:46 +05'30'</small>
6	Ms.M.Priya PHP Developer , Pruvity HR Solutions Pvt. Ltd	Postgraduate Meritorious Alumnus	
8	Dr.A.V.Ramprasad Principal K.L.N. College of Engineering,	Special invitee	
9	Dr.G.Ramesh, Professor / IT	Member	
10	Dr.P.Ganesh Kumar, Professor / IT	Member	
11	Dr.J.S. Kanchana , ASP /IT	Member	
12	Dr.S.Ilangovan, ASP / IT	Member	
13	Dr.S.Ilankumaran, ASP / IT	Member	
14	Mr.A.Selvaraj, (Sr. Gr.) / IT	Member	

16	Mr.M.Satheesh Kumar, AP / IT	Member	
17	Dr.S.Ramesh, AP / IT	Member	
18	Mrs.C.Manjula Devi, AP / IT	Member	
19	Ms.S.Vijayasharmila, AP / IT	Member	
20	Mr.J.Gautam, AP / IT	Member	
21	Mr.V.Aravind Rajan, AP / IT	Member	
22	Mrs. S. Jeniba, AP/IT	Member	
23	Mr. K. Vimal, AP/IT	Member	
24	Ms. N. Muthamil Selvi / IT	Member	



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

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

Department of Information Technology

Ref: KLNCE / BoS//IT/2021/

Date: 16.04.2021

Minutes of Second Board of Studies (BoS) Meeting

The Second Board of Studies meeting was conducted through online on 16-04-2021 (Friday). The meeting was started by 10:45am. The following points were discussed in the meeting.

Meeting Link

<https://us02web.zoom.us/j/5859803689?pwd=RTNDbmJ3Z0RXtENONWdOMzVwZnlPUT09>

Members Present:

- | | | |
|---|---|---|
| 1 | Dr. R. Alageswaran
Prof. & HoD
Department of Information Technology
K.L.N. College of Engineering | CHAIRMAN |
| 2 | Dr.S.Padmavathi
Professor
Department of Information Technology
Thaigarajar college of Engineering | ANNA UNIVERSITY
NOMINEE |
| 3 | Dr. Shunmugham R. Pandian
Associate Professor
IIITDM, Kancheepuram, | SUBJECT EXPERT
(from outside the Parent
University) |
| 4 | Dr. A. Umamakeswari
Dean
School of Computing,
Shanmugha Arts, Science, Technology & Research
Academy (SASTRA Deemed to be University), Thanjavur | SUBJECT EXPERT
(from outside the Parent
University) |
| 5 | Mr.SathyaNarayana
University Focal
Honeywell Technologies and Solutions | Industry Expert |
| 6 | Ms.M.Priya
PHP Developer ,
Pruvity HR Solutions Pvt. Ltd | Postgraduate Meritorious
Alumnus |

7	Dr.A.V.Ramprasad Principal K.L.N. College of Engineering,	Special invitee
8	Dr.G.RAMESH, Professor / IT	Member
9	Dr.P.GANESH KUMAR, Professor / IT	Member
10	Dr.J.S.KANCHANA , ASP /IT	Member
11	Dr.S.ILANGO VAN, ASP / IT	Member
12	Dr.S.ILANKUMARAN, ASP / IT	Member
13	Mr.A.SELVARAJ, (Sr. Gr.) / IT	Member
14	Mr.M.SATHEESH KUMAR, AP / IT	Member
15	Dr.S.RAMESH, AP / IT	Member
16	Mrs.C.MANJULA DEVI, AP / IT	Member
17	Ms.S.VIJAYASHARMILA, AP / IT	Member
18	Mr.J.GAUTAM, AP / IT	Member
19	Mr.V.ARAVINDA RAJAN, AP / IT	Member
20	Mrs. S. JENIBA	Member
21	Mr. K. VIMAL	Member

- **Dr. R. Alageswaran, Chairman /BOS** welcomed the members of BOS and highlighted the department academic activities, achievements, Industry collaborations, and Department research and Development activities. The major agenda of this BOS is to present curriculum and syllabus of 1st and 2nd semester and curriculum of 3rd to 8th semesters of the new course B.Tech - Artificial Intelligence and Data Science (AI and DS) before the BoS experts / Members and to get approval, Chairman told.
- **Dr.A.V.Ramprasad, Principal** gave introductory remarks about the achievements of the Institution. He outlined the process of curriculum development in KLNCE. Principal briefed about the new course B.Tech - AI and DS.
- **Dr. P. Ganesh Kumar, Professor/IT and Program Coordinator** presented the Curriculum and syllabus for 1st and 2nd semester of the new course B.Tech AI and DS followed by the curriculum of 3rd to 8th semesters. He mentioned that all the suggestions from BoS experts in first BoS meeting has been considered while framing curriculum and syllabus for the new course. He told that, as per the expert suggestions theory cum practical courses are added in the syllabus of the AI and DS course. Since Curriculum from Anna University is not released, the elective subjects are yet to be finalized, Dr.P.Ganeshkumar told.

Suggestions and Recommendations by BOS experts / members for B.Tech - AI and DS Programme:

1. Dr. S. Padmavathi,

- Dr. S. Padmavathi suggested to reduce the total number of credits.
- AICTE and Anna university curriculum guidelines can be refereed while framing curriculum and syllabus.
- Design thinking course can be included to encourage students towards creativity and innovation.

Dr. P. Ganesh Kumar told that after AU has released the curriculum for AI and DS programme, it will be taken into consideration to finalize the curriculum.

2. Dr. A.Umamakeshwari

- Predictive Analytics course can be considered while framing curriculum for AI and DS.
- In Foundation of Data Science laboratory course experiment 11 can be split into two exercises followed by mini project.

3. Mr. SathyaNarayana

- Insisted to add some mathematical courses which will be the base for data science and ML related courses.

Dr. P. Ganesh Kumar explained the list of mathematical courses which has already been included in the syllabus and Mr. Sathya Narayana agreed.

4. Dr.Shunmugham R Pandian

- Include few topics with some additional packages / Data visualization tools like Libra office, MS Access, in the first year syllabus which makes data analysis more effective. Add one or two programs in Foundation for Data Science laboratory as well as with data visualization tools.
- Include some real world application problems and encourage students to involve in mini projects
- Include basic machine learning topics in the first year itself with some hardware related topics
- He insisted to make the final year free from studying theory subjects in 8th semester so that students can focus more on their Project.

Dr. R. Alageswaran explained that already we are encouraging the students with more than 7.5 CGPA to complete the courses before 7th semester and focus on projects during the last semester. This option is available in the R2020 of KLNCE.

- Dr. Shunmugham R Pandian suggested that the two programming courses C in II Semester and OOP with C++ in III Semester can be combined as OOP with C++, with a brief introduction to C in III Semester, and the course/credits saved can be used for other topics, e.g., Design Thinking

- Insisted to give clarity on the subject name Mobile Communication and Mobile App development in Sixth semester.

5. Mrs. M. Priya

- Insisted to have Machine Learning Techniques after Probability and Statistics course.
- Instead to remove Microprocessor and Microcontroller course. Embedded System and IoT course can be included in the curriculum of B.Tech AI and DS

Dr. P. Ganeshkumar said that those two suggestions were addressed and changes have been made accordingly in the curriculum.

Chairman / BOS told that all the suggestions given by the BOS experts/ Members for curriculum improvement will be considered while framing the syllabus for B.Tech AI and DS.

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

- **Dr. J. S. Kanchana** Associate Professor/IT delivered Vote of Thanks.
- The technical support for the entire meeting was done by **Mr.J.Gautam**, Assistant Professor/IT
- This BOS online meeting came to an end at 12:00 Noon











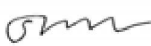







Dr. R. Alageswaran, Prof. and Head / IT
Chairman / Board of Studies

CC to Governing Body
Academic Council
Coordinator / IQAC
Principal
File

K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM - 630 612
(An Autonomous Institution affiliated to Anna University, Chennai)
DEPARTMENT OF INFORMATION TECHNOLOGY
SECOND BoS MEETING on 16.04.2021

Members Present:

S. No.	Name of the member with designation and address	Details of Member	Signature
1	Dr.R.Alageswaran Prof. & HoD Department of Information Technology K.L.N. College of Engineering	CHAIRMAN	
2	Dr.S.Padmavathi Professor Department of Information Technology Thiagarajar college of Engineering	ANNA UNIVERSITY NOMINEE	
3	Dr.Shunmugham R. Pandian Associate Professor IIITDM, Kancheepuram	SUBJECT EXPERT (from outside the Parent University)	
4	Dr. A. Umamakeswari Dean School of Computing, Shanmugha Arts, Science, Technology & Research Academy SASTRA Deemed to be University	SUBJECT EXPERT (from outside the Parent University)	
5	Mr.SathyaNarayana University Focal Honeywell Technologies and Solutions	Industry Expert	Digitally signed by sathyanarayanan.subbiah@honeywell.com DN: cn=sathyanarayanan.subbiah@honeywell.com Date: 2021.04.17 19:21:55 +05'30'
6	Ms.M.Priya PHP Developer , Privity HR Solutions Pvt. Ltd	Postgraduate Meritorious Alumnus	
7	Dr.A.V.Ramprasad Principal K.L.N. College of Engineering,	Special invitee	
8	Dr.G.Ramesh, Professor / IT	Member	
9	Dr.P.Ganesh Kumar, Professor / IT	Member	
10	Dr.J.S. Kanchana , ASP /IT	Member	

11	Dr.S.Ilangovan, ASP / IT	Member	
12	Dr.S.Ilankumaran, ASP / IT	Member	
13	Mr.A.Selvaraj, (Sr. Gr.) / IT	Member	
14	Mr.M.Satheesh Kumar, AP / IT	Member	
15	Dr.S.Ramesh, AP / IT	Member	
16	Mrs.C.Manjula Devi, AP / IT	Member	
17	Ms.S.Vijayasharmila, AP / IT	Member	
18	Mr.J.Gautam, AP / IT	Member	
19	Mr.V.Aravind Rajan, AP / IT	Member	
20	Mrs. S. Jeniba, AP/IT	Member	
21	Mr. K. Vimal, AP/IT	Member	

K.L.N. COLLEGE OF ENGINEERING

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

Department of Master of Computer Applications

Date: 28.07.2021

The second Board of Studies meeting was conducted through online on 28-07-2021(Wednesday). The meeting was started exactly in the scheduled time 2:45 PM.

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.	Dr.S.R.Raja	Member, Associate Professor
3.	Mrs.M.S.C.Sujitha	Member, Assistant Professor
4.	Mrs.R.Kiruthika	Member, Assistant Professor

2. 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

3. 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.

Minutes of the Second Board of Studies Meeting – 28.07.2021 (Wednesday)

The following points were discussed in the meeting.

- **Dr.MR.Ilango, Chairman /BOS** welcomed the members of BOS and Staff members of MCA department.
- **MCA Director Dr.MR.Ilango**, presented Bridge Course syllabus of 2020 regulations.
- He informed that the syllabus of Anna University has been introduced only in the month of November'2020.
- In the Anna University syllabus they have introduced bridge courses in the first semester as well as in the second semester for non IT students such as B.Sc. Physics, Chemistry, B.Com. etc.
- Accordingly we have also decided to include bridge courses in the first and second semesters.
- We have requested our BOS members to grant permission to conduct 3 bridge courses such as i) Fundamentals of Computers ii) Programming in C and iii) Introduction to Internet orally in the month of March 2021.
- As per their approval, we have handled the classes and completed the bridge courses and conducted the online exam on 19.07.2021, 20.07.2021 and 21.07.2021.
- Also we have decided to conduct another 3 bridge courses such as i) Object Oriented Programming in C++ ii) System Analysis and Design and iii) Computer Graphics and Multimedia Systems in the current second semester.
- Director has presented the framed syllabus for the above 3 courses for kind approval.
- The autonomous in-charge of our college has requested MCA department to include "Research Methodology and IPR" in the first semester and audit courses in the first and second semester as per norms of AICTE. So, we have included the subject "Research Methodology and IPR" in the first semester. As the credit for this course is 2, the total credit for the first semester has been increased to 25 (Earlier it was 23).
- Also we have included an audit course "Constitution of India" in the first semester as per AICTE requirements. We have conducted the exam for the audit course. But this course is non credit course.

- Similarly we have decided to include another audit course “Value Education” in the second semester. This audit course is also non credit course.
- The ratification for the audit courses and “Research Methodology and IPR” course had been executed by our standing committee in the first Academic Council meeting itself.
- The syllabus for bridge courses, Research Methodology & IPR and audit courses were presented.

Suggestion from Dr. S. Vijayalakshmi

- 1) She has suggested to allot one credit to all bridge courses.
- 2) She has also requested to reduce the number of hours for each course.
- 3) She has requested to verify the syllabus of bridge course in order to check for overlapping with core papers and elective subjects

Suggestions from Dr. K. Mohan

- 1) He has suggested to include year of publication for the references books
- 2) He has also asked to verify the syllabus of bridge course in order to check for overlapping with core papers and elective subjects.
- 3) He also insisted the online classes for the bridge courses must be conducted along with regular classes without disturbing Sundays.

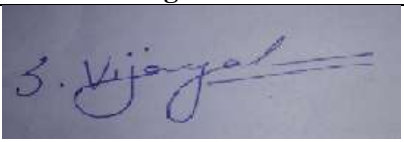


Suggestions from Dr P L Chithra madam

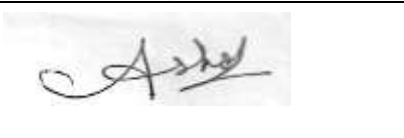
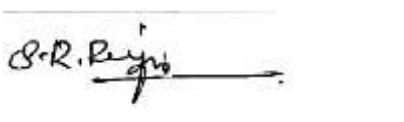


- 1) She has suggested to motivate the students to enroll in NPTEL online courses
 - 2) She has suggested to reduce the number of hours for each course
 - 3) She has suggested to give the introduction and logical part of the subject instead of teaching in detail.
- **Dr.C.Ashok Baburaj**, Associate Professor / MCA delivered Vote of Thanks.
 - The technical support for the entire meeting was done by Ms.L.R.K.Bowvadarani Madam.
 - This BOS online meeting came to an end at 4.00 PM.

Resolutions

- ❖ As per suggestion given by Dr.K.Mohan sir, year of publications has been added in the reference books.
- ❖ As per suggestions given by all members, the overlapping topics of OOPS and JAVA are carefully analyzed and some of the topics have been removed.
- ❖ As per suggestion given by all members, we have reduced the syllabus and number of working hours for second semester bridge courses.

The suggestion given by Dr.S.Vijayalakshmi madam is carefully analyzed for giving one credit to bridge courses. We have discussed with Controller of Examination madam and it has been decided to keep the bridge courses as non credit courses.

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	

Name of the BOS Member	Designation	Signature
Dr.C.AshokBaburaj	Member / BOS	
Dr.S.R.Raja		
Mrs.M.S.C.Sujitha		
Mrs.R.Kiruthika		



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




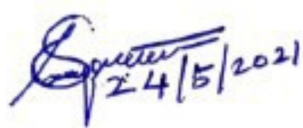


K.L.N. College of Engineering
(An Autonomous Institution Affiliated to Anna University,
Chennai) Accredited by NBA, New Delhi and Accredited by
NAAC
(Sponsored by K.L.N. Sourashtra College of Engineering
Council) Pottapalayam- 630 612, Sivagangai District

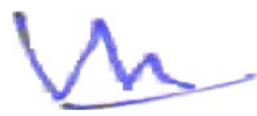

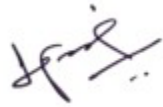
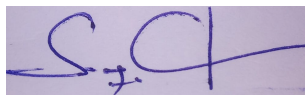




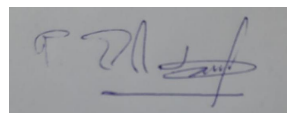
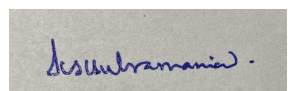
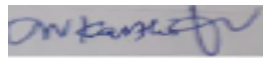
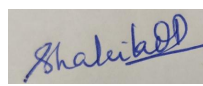



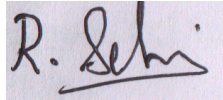


Second Board of Studies Meeting – 24th, May 2021
DEPARTMENT OF SCIENCE AND HUMANITIES
Minutes of the Meeting

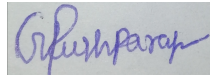

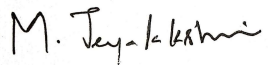
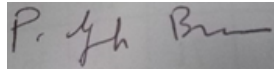

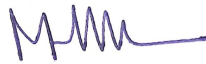
Second Board of Studies Meeting (through online - <https://meet.google.com/duk-qrpc-fxv>) for Science and Humanities Department (Maths, Chemistry, English) held on 24th May 2021 at 3:00 pm.

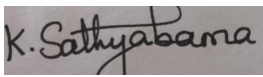




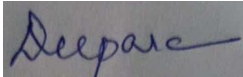


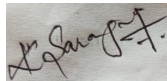

Members Present:

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	 24/5/2021
4	Dr. V. Sridevi Subject Expert outside the Parent Lady Doak college, Madurai	Subject Expert outside the Parent	
5	Dr. S. Jeyabharathi Professor & Head, Mathematics Thiagarajar College of Engineering, Madurai	Subject Expert / Mathematics	

6	Dr. P. Pirabakaran Assistant Professor, Mathematics, Anna University College of Engineering Dindigul	Subject Expert / Mathematics	
7	Dr. M. Kottaisamy , Professor & Head, Chemistry, Thiagarajar College of Engineering, Madurai	Subject Expert / Chemistry	
8	Dr. R. Subramania Pillai , Associate Professor & Head, English, Anna University College of Engineering, Dindigul	Subject Expert / English	
9	Dr. S.M. Kannan Professor & Head Department of EEE K.L.N. College of Engineering	Special Invitee	
10	Dr. V. Kejalakshmi Professor & Head, Department of ECE K.L.N. College of Engineering	Special Invitee	
11	Dr. P.R. Vijayalakshmi Professor & Head, Department of CSE K.L.N. College of Engineering	Special Invitee	
12	Dr. P. Alageswaran Professor & Head, Department of IT K.L.N. College of Engineering	Special Invitee	
13	Mrs. S. Nagammai Professor & Head, Department of EIE K.L.N. College of Engineering	Special Invitee	
14	Dr. R. Gandhidasan Retd. Professor, Chemistry	Special Invitee	
15	Prof. K.S.K. Subramanian Retd. Professor, Mathematics	Special Invitee	
16	Mr. N.V. Karthikeyan	Associate Professor & Head / Physics	
17	Mrs. O.D. Shakila	Associate Professor & Head Chemistry	

18	Dr. A. Raviakkumar	Professor & Head / English	
19	Dr. R. Selvarani	Associate Professor / Mathematics	
20	Dr. S. Sabarinathan	Assistant Professor (SG) Mathematics	
21	Mrs. R. Kalaiselvi	Assistant Professor / Mathematics	

22	Mrs. M. Jansi Selva Rani	Assistant Professor / Mathematics	
23	Mr. G. Pushparajan	Assistant Professor / Mathematics	
24	Mr. G. B. Kannan	Assistant Professor / Mathematics	
25	Mrs. M. M. Jeyalakshmi	Assistant Professor / Mathematics	
26	Mr. P. Ganesh Babu	Assistant Professor / Mathematics	
27	Mr. V. Ananth	Assistant Professor / Mathematics	
28	Mrs. M. Nancy Femila	Assistant Professor / Mathematics	

29	Mrs. K. Sathyabama	Assistant Professor / Mathematics	
30	Mrs.M.Ramya	Assistant Professor / Mathematics	
31	Mrs. R Usha	Assistant Professor / Mathematics	
32	Dr. N. R. Ramanujam	Associate Professor / Physics	
33	Dr. R. Geetha	Associate Professor / Physics	
34	Dr. G.J. Deeparani	Associate Professor / Chemistry	
35	Mr. K. Ayyampandi	Assistant Professor / Chemistry	
36	Mr. S.S. Karthick Kumar	Assistant Professor / English	
37	Mr. K. Sarangan	Assistant Professor / English	
38	Mrs. N. S. Sri Rekha	Assistant Professor / English	

The meeting started with the screen sharing information by Dr. J.K. Subashini, Professor & Head, Mathematics. Dr.A. Raviakkumar, Professor & Head, Department of English delivered the Welcome Address. Dr.S. Sabarinathan introduced the AU Nominee and all the subject experts.

Then Dr. A.V.Ramprasad, Principal offered special address. He thanked Anna University nominee and subject experts for their valuable suggestions and support on framing curriculum and syllabi of first year B.E /B.Tech common courses, pertaining to Science and Humanities Department.

This was followed by Dr. J.K. Subashini, Professor & Head, Mathematics presenting Curriculum of II B.E., B.Tech., courses under Science and Humanities covering the Mathematics, Chemistry and English for the third and the fourth semesters.

Then Dr. A. Raviakkumar, Professor & Head, English continued the presentation of syllabi for II B.E., B.Tech, Third and Fourth semester theory subject Universal Human Values (20HS301), Professional communication and Technical Presentation (20HS4L1) and Professional Communication Lab (20HS4L2).

As for the presentation of syllabi, the subject expert Dr. R. Subramania Pillai, Associate Professor & Head, English, Anna University College of Engineering, Dindigul expressed his satisfaction over the design, title of the subjects and individual units. He appreciated the contents of the syllabus of all the subjects and advised some modifications in course contents terminology for both Universal Human Values and Professional Communication lab courses

Then Mrs. O.D. Shakila, Associate Professor, Chemistry presented the syllabus for II B.E, B.Tech, fourth semester theory subject, Environmental Science and Engineering (20HS401). AU Nominee and subject experts offered their remarks recommendations and observations on course content. Subject experts of Chemistry suggested to include Solid waste Management in course content. Mrs. O.D. Shakila agreed to go with the observations and suggestions made by the AU Nominee and Subject Experts.

Finally, Dr. J.K. Subashini, Professor & Head, Mathematics presented the syllabi for II B.E., B.Tech., third and fourth semester theory subjects Transforms and Partial Differential Equations (20BS301), Linear Algebra and Partial Differential Equations (20BS302), Discrete Mathematics (20BS303), Probability and Partial Differential Equations (20BS304), Statistics and Numerical Methods (20BS401), Numerical Methods (20BS402), Probability, Statistics, and Queuing Theory (20BS403) and Probability and Statistics (20BS404).

The AU Nominee and all the subject experts made their comments, recommendations and remarks for individual subjects. Dr.J K Subashini, Professor & Head, Mathematics explained, justified and took note on certain points for ratification.

Anna University nominee Dr. G. Senguttuvan, Professor & HOD, Department of Physics & Nanoscience and Nanotechnology, UCE, BIT campus, Anna university, Tiruchirapalli expressed his satisfaction and approval on all aspects related to the curriculum and syllabi. He advised to carry out the remarks expressed by the subject expert.

Dr. G.J. Deeparani, Associate Professor, Chemistry offered Vote of Thanks to the gathering. Meeting came to an end at 5:30 pm.

Following are the observations and suggestions made by AU Nominee and respective

Subject experts.

1. Department of Mathematics

The following suggestions were given by the Subject experts.

Dr. S. Jeyabharathi suggested the following:

- i. In the third semester course titled **“TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS (20BS301)”**, the course outcomes may be framed in Apply level.
- ii. In the third semester course titled **“LINEAR ALGEBRA AND PARTIAL DIFFERENTIAL EQUATIONS (20BS302)”** , the availability of the entire content of the syllabus, to be checked in the text books..
- iii. In the third semester course title **“ Discrete Mathematics(20BS303) “**, course outcomes may be framed for Apply level and the availability of the entire content of the syllabus to be checked in the text books.
- iv. In the fourth semester course **“PROBABILITY, STATISTICS AND QUEUING THEORY (20 BS403) “** title may be changed as **Probability and Queuing Theory**.

Dr. P.Pirabharan suggested the following :

- i. In the third semester course titled **“LINEAR ALGEBRA AND PARTIAL DIFFERENTIAL EQUATIONS (20BS302)”** , complex form of Fourier series topic may be included in Unit -5.
- ii. In the fourth semester course titled **“ NUMERICAL METHODS(20BS402)”** , Runge –Kutta method of second order equations may be included in Unit-4.

2. Department of Chemistry

The following suggestions were given by the Subject experts.

- i. Dr.V.Sridevi suggested giving case studies, group discussion, debates on current issues to students.
- ii. She also suggested to include Solid waste management in the syllabus. Dr. M.Kottaisamy also suggested to include Solid waste management.
- iii. Dr.M.Kottaisamy asked whether 1st unit can be completed within 8 periods since the content seems to be heavy.
- iv. Dr.V. Sridevi said that unit IV and V can be merged together and Solid waste management can be given as separate unit. Otherwise it can be included in the 2nd unit or wherever it is possible to fit in.
- v. Dr.Senguttuvan, AU nominee suggested to have uniform number of periods for all five units.

3. Department of English

The following suggestions were given by the Subject expert.

- i. Anna University nominee Dr. G. Senguttuvan, Professor & HOD, Department of Physics & Nanoscience and Nanotechnology, UCE, BIT campus, Anna university, Tiruchirapalli suggested to incorporate the objectives in bullet points type instead of complete sentences.
- ii. Dr. R. Subramania Pillai, Associate Professor & Head, English, Anna University College of Engineering, Dindigul advised some modifications in course contents terminology for both Universal Human Values and Professional Communication lab courses

Follow up Action:

Based on the observations made by the Anna University nominee, subject experts and subsequent follow up action on them, the Board of Studies for Science and Humanities has resolved to implement the below mentioned English, Mathematics and Chemistry courses in the III and IV semesters, under respective curriculum.

English Courses

1. Universal Human Values (20HS301) offered in the III semester of all B.E/B.Tech Programmes
2. Professional communication and Technical Presentation (20HS4L1) offered in the IV semester of B.E. Electronics and Communication Engineering
3. Professional Communication Lab (20HS4L2) offered in the IV semester of B.E Computer Science Engineering and B.Tech. Information Technology

Mathematics Courses

1. Transforms and Partial Differential Equations
(20BS301) offered in the III semester of B.E Mechanical Engineering, Electrical and Electronics Engineering and Automobile Engineering
2. Linear Algebra and Partial Differential Equations (20BS302) offered in the III semester of B.E. Electronics and Communication Engineering Programme
3. Discrete Mathematics
(20BS303) offered in the III semester of B.E. Computer Science and Engineering and B.Tech Information Technology Programmes

4. Probability and Partial Differential Equations (20BS304) offered in the third semester of B.E. Electronics and Instrumentation Engineering Programme

5. Statistics and Numerical

Methods (20BS401) offered in the IV semester of B.E. Mechanical Engineering and Automobile Engineering Programmes

6. Numerical Methods (20BS402) offered in the IV semester of B.E Electrical and Electronics Engineering and Electronics and Instrumentation Engineering Programmes

7. Probability, Statistics and Queuing

Theory (20BS403) offered in the IV semester of B.E. Computer Science and Engineering

8. Probability and Statistics (20BS404) offered in the IV semester of B.Tech Information Technology Programme

Chemistry Course

Environmental Science and Engineering (20HS401) offered in the IV semester of all B.E/B.Tech programmes.



Chairman / BoS S&H Department Dr. J.K. Subashini,

Professor & Head / Mathematics

CC:

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