

**P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution)  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NAAC with 'A' Grade  
**POLLACHI, COIMBATORE – 642 002.**







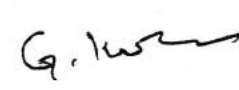

**DEPARTMENT OF CIVIL ENGINEERING**  
**MINUTES OF THE BOARD OF STUDIES MEETING**

**MEETING No. 03**


**DATE** : 05.03.2021  
**TIME** : 2.00 P.M.  
**VENUE** : Conference Hall - Civil Department

i) The following members were present for the meeting:

S.No	Name, Designation and Address	Category	Signature of the BoS Members
1.	Dr. G.Balamurugan Professor & Head Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Chairman Board of Studies	G. Balu 5/3/2021
2.	Dr. S. Shanmugam Professor of Civil Engineering & Dean Students Affairs Coimbatore Institute of Technology Coimbatore – 641 014	University Nominee	SD/05/03/2021
3.	Dr. S.T. Ramesh Professor Department of Civil Engineering National Institute of Technology Trichurappali – 620 015	Expert Member	S.T. Ramesh
4.	Dr. S. Thirugnanasambandam, Professor Department of Civil & Structural Engineering Annamalai University Annamalai Nagar – 608 002	Expert Member	ST/05/03/2021
5.	Er. A. Muthuswamy Managing Director The Artin Builders Pvt. Ltd. Pollachi – 642 002.	Industry Representative	
6.	Mr. Y. Ashwin, Ladder Lands Surveys, 1/125 1 <sup>st</sup> Floor, Vasanth Street, Golden George Nagar, Nerkundram, Chennai – 600 107	Alumni Member	Y Ashwin

7.	Mr. C. R. Arul Prakasam Associate Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	
8.	Mr. M. Prabu Assistant Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	
9.	Mr. T. Ravindaran Assistant Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	
10.	Dr.A.Sangeetha Devi Associate Professor in Maths, Dept. of Science and Humanities P. A. College of Engineering and Technology Pollachi, Coimbatore – 642002	Department Member	
11.	Dr .G. Kottur Associate Professor in Chemistry, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
12.	Mr. R. Karthick Assistant Professor in English, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	

ii) The following members were present as special invitees:

1.	Mr. K. Robert Visiting Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Special Invitee	
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### MEETING OF THE CIVIL BOARD:

Dr. G.Balamurugan, Chairman / BoS welcomed the members and briefed on the rules and regulation governing the autonomous scheme and presented the draft curricula and syllabi of the programme.

The board discussed and approved the following points as per the agenda:

#### Item No. 1.1. Approval of Curriculum for 2019 Regulations – UG

The Chairman BoS explained the need for new curriculum based on AICTE model curriculum. The members discussed elaborately and approved the Curriculum for B.E (Civil Engineering)

#### Item No. 1.2. Approval of Syllabus for V to VIII semester of B.E (Civil)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from V semester to VIII semester for B.E. (Civil Engineering).

#### Item No. 1.3. The syllabus of the following courses for the B.E. Civil Engineering programme were reviewed by the Experts

S. No.	Semester	Course Code	Name of the courses
1.	V	19CEPC501	Structural Analysis I
2.		19CEPC502	Highway and Railway Engineering
3.		19CEPC503	Basic Structural Design - I (Steel)
4.		19CEPC504	Wastewater Engineering
5.		19CEPE5XX	Professional Elective-I
6.		19##OE5XX	Open Elective -I
7.		19CEPC507	Geotechnical Engineering Laboratory
8.		19CEPC508	Environmental Engineering Laboratory
9.		19CEHS509	Communication Skills Laboratory
10.		19CEEE510	3 Week In Plant Training During Summer Semester Vacation
11.	VI	19CEPC601	Structural Analysis II
12.		19CEPC602	Foundation Engineering
13.		19CEPC603	Basic Structural Design II (Concrete)
14.		19CEPC604	Irrigation Engineering
15.		19CEPE6XX	Professional Elective – II
16.		19##OE6XX	Open Elective -II
17.		19CEPC607	Concrete and Highway Engineering Laboratory
18.		19CEEE608	Irrigation and Environmental Engineering Drawing
19.		19CEEE609	Survey Camp (During winter semester vacation)
20.	VII	19CEPC701	Pre-stressed Concrete Structures
21.		19CEPC702	Estimation Costing and Valuation Engineering

22.		19CEPE7XX	Professional Elective - III
23.		19CEPE7XX	Professional Elective - IV
24.		19##OE7XX	Open Elective -III
25.		19CEPC706	Structural Design and Drawing
26.		19CEEE707	Mini Project
27.		19CEEE708	3 Week In Plant Training During Summer Semester Vacation
28.	VIII	19CEPE8XX	Professional Elective – V
29.		19CEPE8XX	Professional Elective –VI
30.		19##OE8XX	Open Elective – IV
31.		19CEEE804	Project Work
32.		19CEEE805	Internship for a period of minimum 4 weeks during winter semester vacation

#### LIST OF PROFESSIONAL ELECTIVES (PE)

S. No.	Description	Course Code	Name of the courses
1.	Professional Elective I	19CEPE501	Pavement Engineering
2.		19CEPE502	Concrete Technology
3.		19CEPE503	Water Resources Engineering
4.		19CEPE504	Hydraulic Structures
5.	Professional Elective II	19CEPE601	Steel Structures
6.		19CEPE602	Fundamentals of Remote Sensing and GIS Applications
7.		19CEPE603	Construction Management
8.		19CEPE604	Hydrology
9.	Professional Elective III	19CEPE701	Concrete Structures
10.		19CEPE702	Professional Practices, Ethics and Building Bye-laws
11.		19CEPE703	Earthquake Engineering
12.		19CEPE704	Traffic Engineering and Management
13.	Professional Elective IV	19CEPE705	Advanced Concrete Design
14.		19CEPE706	Basics of Dynamics and Aseismic Design of Structures
15.		19CEPE707	Finite Element Method
16.		19CEPE708	Airport, Docks and Harbour Engineering
17.	Professional Elective V	19CEPE801	Safety in Civil Engineering Practices
18.		19CEPE802	Prefabricated Structures
19.		19CEPE803	Ground Improvement Techniques
20.		19CEPE804	Bridge Engineering
21.	Professional Elective VI	19CEPE806	Maintenance and Rehabilitation of Structures
22.		19CEPE807	Environmental Legislations in India
23.		19CEPE808	Industrial Wastewater Management
24.		19CEPE809	Sustainable Engineering and Technology



**LIST OF OPEN ELECTIVES (OE) Offered by Department of Civil Engineering**

S. No.	Description	Course Code	Name of the courses
1.	Open Elective I	19CEOE501	Geographical Information System
2.	Open Elective II	19CEOE601	Green Buildings
3.	Open Elective III	19CEOE701	Planning of Smart Cities
4.	Open Elective IV	19CEOE801	Vasthu for Building Construction
5.		19CEOE802	Disaster Management and Mitigation

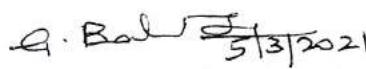
**Suggestions given**

S. No	Experts suggestions and comments	Measures /Modification taken
1.	In Wastewater Engineering course remove NPTEL from reference and add few more books.	Suggestions incorporated
2.	In Industrial Wastewater Management course Unit IV and Unit V to be rearranged.	
3.	Update publication details of reference books.	
4.	Environmental Legislations in India course is to be updated with Rules in Unit IV and Unit V.	
5.	In Concrete and Highway Engineering Laboratory experiments need to be rearranged in order.	

**Item No. 1.4. Review of Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs)**

The Chairman briefed the vision, mission, Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of the programme B.E- Civil Engineering.

The members discussed and accepted. The meeting was concluded with a vote of thanks to the members.

  
Dr.G.Balamurugan, (HoD/Civil)  
Chairman/BoS



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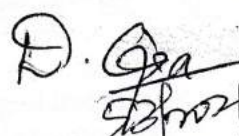
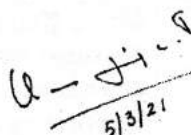
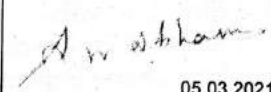

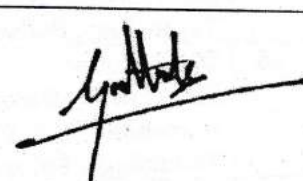


**MINUTES OF THE BOARD OF STUDIES MEETING**

**MEETING No. 03**

**DATE** : 05.03.2021  
**TIME** : 2.30 PM to 4.00 P.M.  
**VENUE** : Conference Hall - CSE Board Meeting

i) The following members were present for the meeting:

S.No	Name, Designation and Address	Category	Signature of the BoS Members
1.	Dr. D. Chitra Professor & Head, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	
2.	Dr. T. Hamsapriya, Professor & HOD Dept. of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research, Coimbatore – 641062	University Nominee	 5/3/21
3.	Dr. S. Mary Saira Banu, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy - 620015	Expert Member	 05.03.2021
4.	Dr. M. Ramakrishnan, Professor and Head, Dept. of Computer Applications, Madurai Kamaraj University, Madurai - 625021	Expert Member	
5.	Mr. Roy Antony Arnold George Lead, Educational Training Academy, Infosys Campus Connect Programme, Infosys, Chennai - 600119	Industry Representative	
6.	Mr. K. Nandha Kumar, Senior Software Engineer, InfoView Technologies Ltd. (IVTL), Chennai - 600096	Alumni Member	Nandha kumar k 05/03/2021



7.	Dr. S. Suresh Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>S. Suresh</i> 5/3/2021
8.	Dr. D. Saravana priya Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>D. Saravana priya</i> 5/3/2021
9.	Dr. M. Umaselvi Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>M. Umaselvi</i> 5/3/2021
10.	Dr. V. Sujitha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>V. Sujitha</i> 5/3/2021
11.	Mrs. P. Sangeetha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>P. Sangeetha</i> 5/3/21
12.	Mrs. N.K. Priyadharsini, Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>N.K. Priyadharsini</i> 5/3/2021
13.	Mr. A. Kaliappan Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>A. Kaliappan</i> 5/3/21
14.	Mrs. R. Kavitha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>R. Kavitha</i> 5/3/2021
15.	Dr. T. Gandhimathi Associate Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>T. Gandhimathi</i> 5/3/21
16.	Dr. G. Kottur Associate Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>G. Kottur</i> 5/3/2021
17.	Mr. R. Karthik Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	<i>R. Karthik</i> 5/3/2021

### **MEETING OF THE CSE BOARD:**

Dr. D. Chitra, Chairman / BoS welcomed the members and briefed on the rules and regulation governing the autonomous scheme and presented the draft curricula and syllabi of the programme.

The board discussed and approved the following points as per the agenda:

#### **Item No. 3.1. Approval of Curriculum and Syllabus for V to VIII semester of B.E (CSE)**

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from V semester to VIII semester for B.E. (Computer Science and Engineering).

#### **Item No. 3.2. Approval for one credit courses, on-line courses and syllabus and Transfer of credits from UGC and AICTE approved institutions including NPTEL and SWAYAM**

##### **One Credit Course:**

1. 19VAC01- Android Application Development
2. 19VAC02 – Multimedia Systems
3. 19VAC03 – Software Testing Tools
4. 19VAC04 – CISCO Networking
5. 19VAC05 - .NET Programming
6. 19VAC06 - Node JS & Angular JS
7. 19VAC07 - Virtual Machine Fundamentals
8. 19VAC08 – Software Product Development and Management
9. 19VAC09 - Iot for Telecommunication Systems
10. 19VAC10 - Social and Psychological Well Being

**NPTEL Course:** Online Course Offered by NPTEL Under Computer Science and Engineering.

##### **Subjects reviewed by the Experts: UG**

S. No.	Semester	Course Code	Name of the courses
1.	V	19CSBS501	Probability and Queuing Theory
2.		19CSPC502	Web Programming
3.		19CSPC503	Computer Networks
4.		19CSPC504	Theory of Computation
5.		19CSPExxx	Professional Elective - 1
6.		19CSOExxx	Open Elective - I
7.		19CSPC505	Web Programming Laboratory
8.		19CSPC506	Computer Networks Laboratory
9.		19CSHS507	Communication Skills Laboratory



10.	VI	19CSPC601	Digital Signal Processing
11.		19CSPC602	Compiler Design
12.		19CSPC603	Mobile Computing
13.		19CSPC604	Software Engineering
14.		19CSPExxx	Professional Elective - II
15.		19CSOExxx	Open Elective - II
16.		19CSPC605	Mobile Application Development Laboratory
17.		19CSPC606	Compiler Design Lab
18.	VII	19CSPC701	Cryptography and Network Security
19.		19CSPC702	Data Analytics
20.		19CSHS703	Principles of Management
21.		19CSPExxx	Professional Elective - III
22.		19CSPExxx	Professional Elective - IV
23.		19CSOExxx	Open Elective - III
24.		19CSPC704	Security Laboratory
25.		19CSPC705	Data Analytics Lab
26.		19CSMC706	Mini Project
27.	VIII	19CSPExxx	Professional Elective - V
28.		19CSPExxx	Professional Elective - VI
29.		19CSOExxx	Open Elective - IV
30.		19CSEE801	Project Work

#### Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	UG: Digital Signal Processing, AI Probability and Queueing Theory, Mobile Application Development.	<ul style="list-style-type: none"> <li>AI can be included as Professional Course.</li> <li>Probability and Queueing Theory course can be modified as Probability and Statistics.</li> <li>Soft Computing can be given as Elective in Semester VI.</li> <li>Machine Learning, IoT, Deep learning can be offered as professional Elective.</li> <li>IPR and TQM can be given as Open Elective.</li> </ul>	Suggestions incorporated

**Item No. 3.3. Review of Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs)**

The Chairman briefed the vision, mission, Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of the programmes B.E - Computer Science and Engineering, M.E - Computer Science and Engineering.

The members discussed and accepted. The meeting was concluded with a vote of thanks to the members.

D. Gea  
9/3/24  
Name & Signature  
Chairman/BoS





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**Department of Electronics and Communication Engineering**

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**MINUTES OF THE BOARD OF STUDIES MEETING**

**MEETING No. 03**

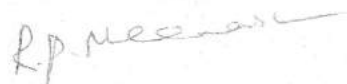
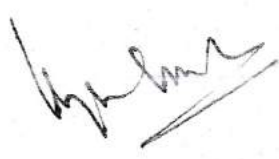
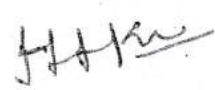
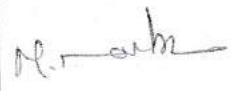
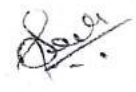


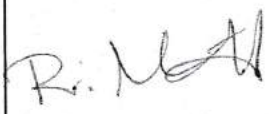
**DATE** : 03-03-2021

**TIME** : 11.30 AM to 1.00 PM

**VENUE** : ECE Seminar Hall (11:30 AM to 1.00 PM) - ECE Board Meeting (Online Mode)

**i) The following members were present for the meeting:**

S. No	Name, Designation and Address	Category	Signature of the BoS Members
1.	<b>Dr. L. Murali</b> Associate Professor and Head, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi - 642002.	Chairman Board of Studies	
2.	<b>Dr. P. Nirmal Kumar</b> Professor, Department of Electronics and Communication Engineering, College of Engineering, Guindy Anna University, Chennai-600025	University Nominee	
3.	<b>Dr. C. Puttamadappa</b> Professor and Registrar, Dayananda Sagar University Innovation Campus, Kudlu Gate, Hosur Road Bangalore-560 068	Expert Member	 3/3/21
4.	<b>Dr. S. Veni</b> Associate Professor, Department of Electronics and Communication Engineering, Amrita School of Engineering, Coimbatore-641112	Expert Member	
5.	<b>Dr. G. Sai Narayanan</b> Senior Consultant, HCL Technologies, Chennai-600018	Industry Representative	 03/03/21
6.	<b>Mr. Raghu Rama Sreenath. K. S.</b> Team Leader, Software Test Engineer (QA), M/s. Angler Technologies India Pvt. Ltd., Coimbatore - 641045	Alumni Member	

7	<b>Dr. R. P. Meenaakshi Sundhari</b> Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
8.	<b>Dr. M. Yuvaraja</b> Associate Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	
9.	<b>Dr. K. S. Neelu Kumari</b> Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
10.	<b>Mrs. M. Madhumalini</b> Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
11.	<b>Mr. N. Senathipathi</b> Assistant Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
12.	<b>Mr. N. Sarveswaran</b> Assistant Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
13.	<b>Mr. R. Ranjith Kumar</b> Assistant Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
14.	<b>Mrs. R. Malathi</b> Assistant Professor, Department of English, P. A. College of Engineering and Technology, Pollachi – 642002.	Member Department of English	



ii) The following members were present as special invitees: NIL

iii) The following members were not present for the meeting and informed to the Chairman BoS:

1.	NIL	Department Member
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### MEETING OF THE ECE BOARD:

Dr. L. Murali, Chairman / BoS welcomed the members and briefed on minutes of previous meeting. He presented the curricula and syllabi of the programme for V- semester to VIII-semester and open elective of ECE department.

The board discussed and approved the following points as per the agenda:

#### Item No. 2.1. Approval of Syllabus for V to VIII semester of B.E (ECE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from V semester to VIII semester for B.E. (Electronics and Communication Engineering).

Subjects reviewed by the Experts: UG

#### PROFESSIONAL CORE SUBJECTS

S. No.	Semester	Course Code	Name of the courses
1.	V	19ECPC501	Digital Signal Processing
2.		19ECPC502	Computer System Architecture and Organization
3.		19ECPC503	VLSI Design
4.		19ECPC504	Analog Communication
5.		19ECMC505	Constitution of India
6.		19ECPC506	Digital Signal Processing Laboratory
7.		19ECEE507	VLSI Design Laboratory
8.	VI	19ECPC601	Transmission Lines and Antennas
9.		19ECPC602	Digital Communication
10.		19ECPC603	Computer Networks
11.		19ECMC604	Management Theory and Youth Empowerment
12.		19ECPC605	Computer Networks Laboratory
13.		19ECPC606	Analog and Digital Communication Laboratory
14.		19ECHS607	Communication Skills Laboratory
15.	VII	19ECPC701	RF and Microwave Engineering
16.		19ECPC702	Embedded and Real Time Systems
17.		19ECHS703	Professional Ethics and Human Values
18.		19ECPC704	RF and Microwave Laboratory
19.		19ECEE705	Embedded Systems Laboratory

### PROFESSIONAL ELECTIVE SUBJECTS

S. No.	Semester	Course Code	Name of the courses
1.	V	19ECPE501	Information Theory and Coding
2.		19ECPE502	Speech and Audio Processing
3.		19ECPE503	Measurements and Instrumentation
4.		19ECPE504	Bio – Medical Electronics
5.		19ECPE505	Consumer Electronics
6.		19ECPE506	Virtual Reality
7.		19ECPE507	Operating Systems
8.	VI	19ECPE601	Nanoelectronics
9.		19ECPE602	DSP Processors
10.		19ECPE603	Robotics
11.		19ECPE604	MEMS and NEMS
12.		19ECPE605	Low Power VLSI Design
13.		19ECPE606	Soft Computing
14.		19ECPE607	Power Electronics
15.	VII	19ECPE701	CAD for VLSI Circuits
16.		19ECPE702	Fiber Optic Communications
17.		19ECPE703	Advanced Digital Signal Processing
18.		19ECPE704	Satellite Communication
19.		19ECPE705	Digital Image Processing
20.		19ECPE706	Total Quality Management
21.		19ECPE707	Opto Electronic and Devices
22.		19ECPE708	High Speed Electronics
23.		19ECPE709	ASIC Design
24.		19ECPE710	Data Analytics
25.	VIII	19ECPE801	Mixed Signal Design
26.		19ECPE802	Electromagnetic Interference and Electromagnetic Compatibility (EMI & EMC)
27.		19ECPE803	Testing of VLSI Circuits
28.		19ECPE804	Wireless Communication
29.		19ECPE805	Real Time Operating Systems
30.		19ECPE806	Cryptography and Forensics
31.		19ECPE807	Cognitive Radio
32.		19ECPE808	Machine Learning and Artificial Intelligence
33.		19ECPE809	Wireless Networks
34.		19ECPE810	VLSI Signal Processing



<b>LIST OF OPEN ELECTIVES OFFERED BY (Electronics and Communication Engineering)</b>					
<b>Course Code</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
19ECOE11	Automotive Electronics	3	0	0	3
19ECOE12	MATLAB Programming and its Applications	3	0	0	3
19ECOE13	VHDL and Verilog Programming	3	0	0	3
19ECOE14	Embedded System design using ARM Processor	3	0	0	3
19ECOE15	Foundation Skills in Integrated Product Development	3	0	0	3

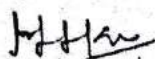
**Suggestions given by the Expert members**

<b>S. No</b>	<b>Name of the course viewed by experts</b>	<b>Experts suggestions and comments</b>	<b>Measures /Modification taken</b>
1.	The members suggested to change Robotics in elective- VI, instead Machine Learning and Artificial Intelligence can be incorporated		suggestions incorporated
2.	In open elective VHDL and Verilog Programming title can be changed as Hardware Description language and in the syllabus Verilog programming can be followed.		
3.	In open elective instead of MATLAB Programming and its Applications, Vehicular Communication Technology may be included.		
4.	More number of Professional Electives in semester - VII and VIII can be provided.		

**Item No. 2.2. Review of Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs)**

The Chairman briefed the vision, mission, Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of the programmes B.E- Electronics and Communication Engineering.

The members discussed and accepted. The meeting was concluded with a vote of thanks to the members.



**Name & Signature**  
**BoS - Coordinator**  
**Dr. K.S. Neelu Kumari,**  
**Associate Professor,**  
**Dept. of ECE, PACET**



**Name & Signature**  
**Chairman/BoS**  
**Dr. L. Murali**  
**Associate Professor & Head,**  
**Dept. of ECE, PACET**  
**Chairman/BoS**



**P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY**  
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POLLACHI, COIMBATORE – 642 002.

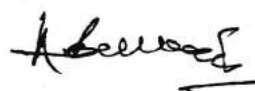
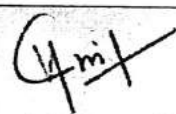
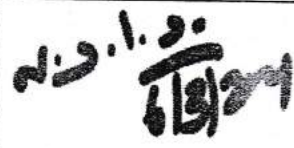
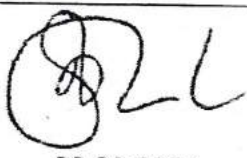


**MINUTES OF THE BOARD OF STUDIES MEETING**

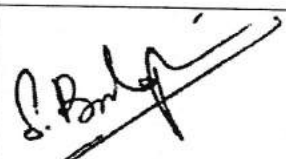
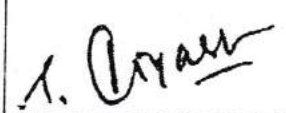


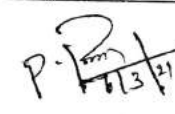

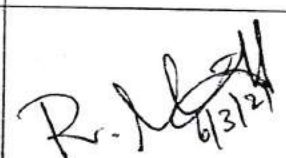
**MEETING No. 03**

**DATE** : 06.03.2021  
**TIME** : 11.30 A.M. to 1.30 P.M.  
**VENUE** : Hall No. EE203

i) The following members were present for the meeting:

S.No	Name, Designation and Address	Category	Signature of the BoS Members
1.	Dr. S. Vijayabaskar Professor & Head, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	 6.3.21
2.	Dr. V. Manikandan Professor Departments of Electrical and Electronics Engineering Coimbatore Institute of Technology, Coimbatore- 641014	University Nominee	 (For the purpose of BOS only)
3.	Dr. N. Selvaganesan Professor, Department of Avionics Indian Institute of Space Science and Technology, Trivandrum, Kerala-695547	Expert Member	
4.	Dr. N. Sivakumaran Professor Department of Instrumentation and Control Engineering, National Institute of Technology Tiruchirappalli – 620015	Expert Member	 06.03.2021



5.	Mr. Balaji Sethuraman Vice President Mercedes-Benz Research and Development India, Bengaluru, Karnataka- 560066	Industry Representative	
6.	Mr. S. Riyash, Software Developer ZOH0 Corporation Pvt Ltd Chennai- 603202	Alumni Member	
7.	Dr. V. Parimala Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
8.	Dr. P. Mariaraja, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
9.	Mr. P. Prakash, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
10.	Mr. S. Arun, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
11.	Mrs. R. Malathi Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	S & H Department Member (English)	

ii) The following members were present as special invitees: Nil

- iii) The following members were not present for the meeting and informed to the Chairman  
BoS: Nil

#### MEETING OF THE EEE BOARD:

Dr. S. Vijayabaskar, Chairman / BoS welcomed the members and briefed on the rules and regulation governing the autonomous scheme and briefed on minutes of previous meeting. He presented the curricula and syllabi of the programme for V- semester to VIII- semester and open elective of EEE department.

The board discussed and approved the following points as per the agenda:

#### Item No. 2.1. Approval of Syllabus for V to VIII semester of B.E (EEE)

The Chairman BoS explained the need for new curriculum based on AICTE model curriculum. The members discussed elaborately and approved the Curriculum for B.E (Electrical and Electronics Engineering) and M.E. (Power Electronics and Drives)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from V semester to VIII semester for B.E. (Electrical and Electronics Engineering).

#### Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	V	19EEPC501	Transmission and Distribution
2.		19EEPC502	Microprocessors and Microcontrollers
3.		19EEPC503	Control Systems
4.		19EEPC504	Electrical Machine Design
5.		19EEPC505	Measurements and Instrumentation
6.			Open Elective I
7.		19EEPC506	Microprocessors and Microcontrollers Laboratory
8.		19EEPC507	Measurements and Control Systems Laboratory
9.	VI	19EEHS601	Technology Management
10.		19EEPC602	Power System Analysis
11.		19EEPC603	Power Electronics
12.			Open Elective II
13.		19EEPE6XX	Professional Elective I
14.		19EEPE6XX	Professional Elective II
15.		19EEPC604	Power Electronics and Drives Laboratory
16.		19EEEE605	Communication skills laboratory
17.	VII	19EEPC701	Renewable Energy Systems
18.			Open Elective III



19.		19EEPE7XX	Professional Elective III
20.		19EEPE7XX	Professional Elective IV
21.		19EEPE7XX	Professional Elective V
22.		19EEMC702	Constitution of India
23.		19EEPC703	Power System & Renewable Energy Laboratory
24.		19EEEE704	Mini Project
25.	VIII	19EEHS801	Professional Ethics
26.			Open Elective IV
27.		19EEPE8XX	Professional Elective VI
28.		19EEEE802	Project Work

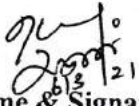
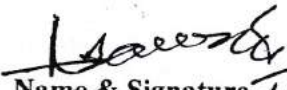
### Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	Semester – V courses	In Measurements and Control Systems Laboratory, Control system experiment may increased	Suggestions incorporated
2.	Semester – V courses	In Measurements and Control Systems Laboratory, matlab based control system experiment may included	
3.	Open Electives - Electrical Drives and Controls	Electrical drives and controls subject syllabus may be reframed	

### Item No. 2.2. Review of Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs)

The Chairman briefed the vision, mission, Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of the programmes B.E- Electrical and Electronics Engineering, M.E- Power Electronics and Drives.

The members discussed and accepted. The meeting was concluded with a vote of thanks to the members.

 Name & Signature BoS- Coordinator (S. ARUN)	 Name & Signature Chairman/BoS
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Dr. S. VIJAYABASKAR, M.E., Ph.D.,  
Professor & Head,  
Department of Electrical and Electronics Engineering,  
P. A. College of Engineering and Technology,  
Pollachi - 642 002.



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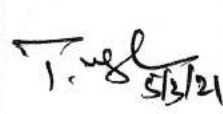

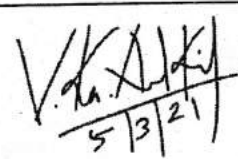

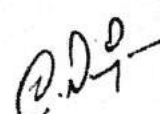
## DEPARTMENT OF MECHANICAL ENGINEERING

### MINUTES OF THE BOARD OF STUDIES MEETING-III



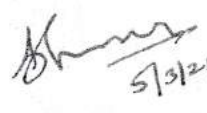
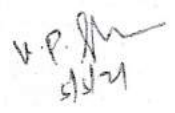

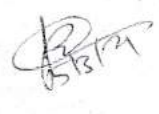
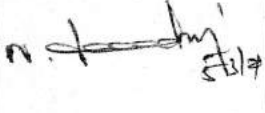
#### MEETING No. 03

**DATE** : 05-03-2021  
**TIME** : 10.00 A.M. to 12.00 P.M.  
**VENUE** : Mechanical Seminar Hall & Online Mode

#### **I. The following members were present for the meeting:**

S. No	Name, Designation and Address	Category	Signature of the BoS Members
1.	Dr. T. Varun Kumar Associate Professor and Head, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	 5/3/21
2.	Dr. M. Sakthivel Associate Professor, Department of Mechanical Engineering, Anna University, Regional Campus, Coimbatore - 641046	University Nominee	 05.03.2021
3.	Dr. V. Anandkrishnan Associate Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli - 620015	Expert Member	 5/3/21
4.	Dr. S. Ramanathan Professor, Department of Manufacturing Engineering, Annamalai University, Annamalai Nagar, Chidambaram-608002	Expert Member	 5/3/21
5.	Mr. V. Nataraja Perumal Manager (HR), Milacron India Private Ltd, (Mold Masters Division), No.6, Mettupalayam Road, Goundamapalayam, Coimbatore - 641030	Industry Representative	Approved from my side  05th Marc 2021



6.	Mr. P. Powthiran Senior Engineer, Renault Nissan Technology Business Centre India Private Ltd, Ascendas IT Park, Mahindra World City, Chengalpet, Kancheepuram -603002	Alumni Member	 05.03.2021
7.	Dr. D. Senthil Kumar Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21
8.	Dr. A. Baskaran Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21
9.	Mr. V. P. Suresh Kumar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21
10.	Mr. N. Manikandan Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21
11.	Mr. R. Mohammed Farooq Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21
12.	Mr. N. Gnanasekar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 5/3/21

Dr. T. Varun Kumar, Chairman / BoS welcomed the members and briefed on the rules and regulation governing the autonomous scheme and presented the draft curricula and syllabi for the V to VI semester of the B.E. Mechanical Engineering programme for the regulation 2019.

The following are the suggestions given by the Experts:

S. No	Experts suggestions and comments	Measures /Modification taken
1.	Two laboratories (Kinematics and Dynamics) are recommended to combine in V semester as a one laboratory course without reducing the content of the respective lab syllabus	Suggestions incorporated
2.	Design and fabrication project with 2 credits is recommended for inclusion in the VI semester	
3.	Welding Technology with 3 credits is recommended for inclusion in the Professional Elective II for the semester VI	
4.	Project phase – I with 2 credits is recommended for inclusion in the VII semester	
5	Process Planning and Cost Estimation with 3 credits is recommended for inclusion in the Professional Elective VI for the semester VIII	

**Based on the discussion the board approved the following points.**

**Item No. 2.1. Approval of Curriculum for 2019 Regulations – B.E.- Mechanical Engineering**

The Chairman BoS explained the new curriculum based on AICTE model curriculum. The members elaborately discussed the Curriculum for B.E.- Mechanical Engineering and approved the same.

1. The approved curriculum and syllabi for V semester to VIII semester under 2019 Regulations are enclosed. **(Enclosure 1).**
2. The total credits for the B.E.- Mechanical Engineering is arrived as 164 and the curriculum breakdown structure is enclosed. **(Enclosure 2).**

**Item No. 2.2. Approval of Syllabus for V to VIII semester of B.E.- Mechanical Engineering**

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from V semester to VIII semester for B.E.- Mechanical Engineering.

**Item No. 2.3. Approval for one credit courses on-line courses**

The following courses are approved by the experts. The syllabus and transfer of credits for the listed courses from NPTEL and SWAYAM are also approved by the experts.



**One Credit Course:**

Sl. No	Course Code	Course Title
1.	19MEVA901	Basics of Civil Engineering
2.	19MEVA902	Metallography
3.	19MEVA903	Design for Production and Quality Engineering
4.	19MEVA904	Structural Analysis Using Finite Element Analysis
5.	19MEVA905	Non Destructive Testing (NDT)
6.	19MEVA906	Yoga for Youth Empowerment
7.	19MEVA907	Project Management
8.	19MEVA908	Six Sigma
9.	19MEVA909	Professional Skills
10.	19MEVA910	Industry 4.0

**NPTEL Course:**

S.No.	Course Code	Course Name
1.	19MENP101	Project and Production Management
2.	19MENP102	Mechanical Measurements and Metrology
3.	19MENP103	Advanced Strength of Materials
4.	19MENP104	Advanced Operations Research
5.	19MENP105	Entrepreneurship Essentials
6.	19MENP106	Waste to Energy Conversion
7.	19MENP107	Industrial Engineering
8.	19MENP108	Principles of Mechanical Measurements
9.	19MENP109	Manufacturing Processes I
10.	19MENP110	Manufacturing Processes II
11.	19MENP1XX	Any other NPTEL Courses

**Item No. 2.4. The syllabus of the following courses for the B.E. Mechanical Engineering programme were reviewed by the Experts**

S. No.	Course Code	Name of the courses
1.	19MEPC501	Thermal Engineering
2.	19MEPC502	Metrology and Measurements
3.	19MEPC503	Dynamics of Machines
4.	19MEPC504	Design of Machine Elements
5.	19MEPC505	Thermal Engineering Laboratory
6.	19MEPC506	Metrology and Measurements Laboratory
7.	19MEPC507	Kinematics and Dynamics Laboratory
8.	19MEHS601	Professional Ethics in Engineering
9.	19MEPC602	Heat and Mass Transfer
10.	19MEPC603	Design of Transmission Systems
11.	19MEPC604	Finite Element Analysis
12.	19MEEE605	Design and Fabrication Project
13.	19MEPC606	Heat Transfer Laboratory
14.	19MEPC607	Computer Aided Machining Laboratory

**Item No. 2.5. The syllabus of the following Programme Professional Elective courses for the Semester V and VI were discussed and approved by the experts.**

S. No.	Course Code	Course Title
1.	19MEPE501	Composite Materials
2.	19MEPE502	Design for Manufacturing and Assembly
3.	19MEPE503	Design of Jigs, Fixtures and Press Tools
4.	19MEPE504	Automobile Engineering
5.	19MEPE601	Lean Six Sigma
6.	19MEPE602	Automation in Manufacturing
7.	19MEPE603	Welding Technology
8.	19MEPE604	Micro Electro Mechanical Systems



**Item No. 2.6. The syllabus of the following Open Elective courses for the Semester V and VI were discussed and approved by the experts.**

S. No.	Course Code	Course Title
1	19OE021	Testing of Materials
2	19OE022	Robotics
3	19OE023	Industrial Engineering
4	19OE024	Marketing Management
5	19OE025	Energy Conservation and Management

**Item No. 2.7. Review of Vision, Mission, Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs)**

The Chairman briefed the vision, mission, Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) of B.E- Mechanical Engineering programme.

The members discussed and approved all the above items. The meeting was concluded with vote of thanks.



**Dr.T.Varun Kumar, (HoD/Mech)**

**Chairman/BoS**

**Dr. T. VARUNKUMAR, M.E., Ph.D.,**  
Head of the Department  
Department of Mechanical Engineering  
P.A. College of Engineering & Technology  
POLLACHI - 642 002.