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
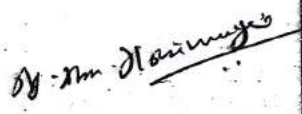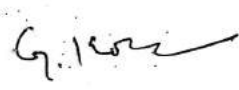**POLLACHI, COIMBATORE – 642 002.**

DEPARTMENT OF CIVIL ENGINEERING
MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 02

DATE   : 29.01.2020
TIME   : 10.30 A.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. Bal Sp
2.	Dr. S. Shanmugam Professor of Civil Engineering & Dean Students Affairs Coimbatore Institute of Technology Coimbatore – 641 014	University Nominee	257/29/01/2020.
3.	Dr. S.T. Ramesh Professor Department of Civil Engineering National Institute of Technology Trichurappali – 620 015	Expert Member	S.T.Jaman
4.	Dr. S. Thirugnanasambandam, Professor Department of Civil & Structural Engineering Annamalai University Annamalai Nagar – 608 002	Expert Member	29/1/2020
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 1st Floor, Vasantha Street, Golden George Nagar, Nerkundram, Chennai – 600 107	Alumni Member	Y. Aswz

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	

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)

1. The model curricula proposed by AICTE with necessary modifications may be followed with effect from the academic year 2019-2020 onwards. The approved curriculum for III to VIII semester under 2019 Regulations are enclosed. (Enclosure 1)

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

Item No. 1.3. Approval for one credit courses, on-line courses, syllabus and Transfer of credits from UGC and AICTE approved institutions including NPTEL and SWAYAM

One Credit Course:

Sl.No	Course Code	Course Title
1.	19CEVA$01	Surveying using Total Station
2.	19CEVA$02	Environmental Audit
3.	19CEVA$03	Yoga for Youth empowerment
4.	19CEVA$04	Valuation
5.	19CEVA$05	Design of Multi-storey Building
6.	19CEVA$06	Civil Engineering – Societal and Global impact

NPTEL Course: Online Course Offered by NPTEL.

Item No. 1.4. 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.		19CEBS301	Transform and Partial Differential Equations
2.	III	19CEPC302	Strength of Materials I
3.		19CEES303	Construction Materials and Technology

4.		19CEPC304	Mechanics of Fluids
5.		19CEPC305	Surveying
6.		19CEBS306	Engineering Geology
7.		19CEMC307	Constitution of India
8.		19CEPC308	Survey Laboratory
9.		19CEEE309	Computer Aided Civil Engineering Drawing
10.	IV	19CEBS401	Numerical Methods
11.		19CEPC402	Strength of Materials II
12.		19CEPC403	Water Supply Engineering
13.		19CEPC404	Applied Hydraulics and Fluid Machinery
14.		19CEPC405	Mechanics of Soils
15.		19CEBS406	Environmental Science and Engineering
16.		19CEPC407	Fluid Mechanics and Machinery Laboratory
17.		19CEPC408	Materials Testing Laboratory
18.	V	19CEPC501	Structural Analysis I
19.		19CEPC502	Highway and Railway Engineering
20.		19CEPC503	Basic Structural Design - I (Steel)
21.		19CEPC504	Wastewater Engineering
22.		19CEPE5XX	Professional Elective-I
23.		19##OE5XX	Open Elective -I
24.		19CEPC507	Geotechnical Engineering Laboratory
25.		19CEPC508	Environmental Engineering Laboratory
26.		19CEHS509	Communication Skills Laboratory
27.		19CEEE510	3 Week In Plant Training During Summer Semester Vacation
28.	VI	19CEPC601	Structural Analysis II
29.		19CEPC602	Foundation Engineering
30.		19CEPC603	Basic Structural Design II (Concrete)
31.		19CEPC604	Irrigation Engineering
32.		19CEPE6XX	Professional Elective – II
33.		19##OE6XX	Open Elective -II
34.		19CEPC607	Concrete and Highway Engineering Laboratory
35.		19CEEE608	Irrigation and Environmental Engineering Drawing
36.		19CEEE609	Survey Camp (During winter semester vacation)
37.	VII	19CEPC701	Pre-stressed Concrete Structures
38.		19CEPC702	Estimation Costing and Valuation Engineering
39.		19CEPE7XX	Professional Elective - III
40.		19CEPE7XX	Professional Elective - IV
41.		19##OE7XX	Open Elective -III
42.		19CEPC706	Structural Design and Drawing

43.		19CEEE707	Mini Project
44.		19CEEE708	3 Week In Plant Training During Summer Semester Vacation
45.		19CEPE8XX	Professional Elective – V
46.		19CEPE8XX	Professional Elective –VI
47.	VIII	19##OE8XX	Open Elective – IV
48.		19CEEE804	Project Work
49.		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	19CEOE801	Vasthu for Building Construction
5.	Elective IV	19CEOE802	Disaster Management and Mitigation

Suggestions given

S. No	Experts suggestions and comments	Measures /Modification taken
1.	In Strength of Materials II include Direct and Bending stress in unit 3	
2.	In Applied Hydraulics and Fluid Machinery add R.K.Bansal as one of the reference book.	
3.	In Basic structural design - I (steel) add introduction to riveted joints in unit 1.	Suggestions incorporated
4.	In Foundation Engineering course add B.C.Punmia book as one of the reference book.	
5.	In Basic Structural Design II (Concrete) add Reinforced Concrete Structures by Dr.I.C.Syal and Dr.A.K.Goel as one of the reference book.	
6.	In Concrete and Highway Engineering Laboratory add Determination of Young's modulus of concrete as one of the experiment.	

Item No. 1.5. 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.

29/1/2020

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

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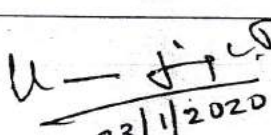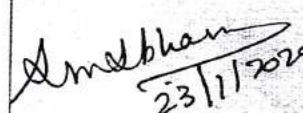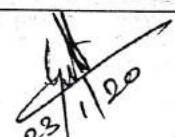### POLLACHI, COIMBATORE – 642 002.

MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 02

DATE   : 23.01.2020
TIME   : 9.30 A.M. to 1.00 P.M.
VENUE : Conference Hall (9.30 AM to 1.00 PM) - 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	D. Chitra 23/1/2020
2.	Dr. T. Hamsapriya, Professor & HOD Dept. of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research, Coimbatore – 641062	University Nominee	23/1/2020
3.	Dr. S. Mary Saira Banu, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy - 620015	Expert Member	23/1/2020
4.	Dr. M. Ramakrishnan, Professor and Head, Dept. of Computer Applications, Madurai Kamaraj University, Madurai - 625021	Expert Member	23/01/2020
5.	Mr. Roy Antony Arnold George Vice – Principal, Infosys Campus Connect Programme, Infosys, Mysore - 570027	Industry Representative	23/1/20
6.	Mr. S. Nandha Kumar, Senior Software Engineer, InfoView Technologies Ltd. (IVTL), Chennai - 600096	Alumni Member	Nandha kumar 23/01/2020

7.	Dr. S. Suresh Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
8.	Dr. D. Saravana priya Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
9.	Dr. V. Kalpana Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
10.	Dr. M. Umaselvi Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
11.	Mrs. P. Sangeetha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
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	
13.	Mr. A. Kaliappan Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
14.	Mrs. R. Kavitha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
15.	Dr . T. Gandhimathi Associate Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
16.	Dr . G. Kottur Associate Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	

17.	Mr. R. Karthik Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	R 23/1/2020

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. 2.1. Approval of Curriculum for 2019 Regulations – UG & PG

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 (Computer Science and Engineering) and M.E. (Computer Science and Engineering)

1. The model curricula proposed by AICTE with necessary modifications may be followed with effect from the academic year 2019-2020 onwards. The approved curriculum for III to VIII semester under 2019 Regulations are enclosed. **(Enclosure 1)**

Item No. 2.2. Approval of Syllabus for III 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 III semester to VIII semester for B.E. (Computer Science and Engineering).

Item No. 2.3. Approval of Syllabus for III to IV semester of M.E (CSE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 3rd semester to 4th semester for M.E. (Computer Science and Engineering).

Item No. 2.4. 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.	III	19CSBS301	Transforms and Partial Differential Equations
2.		19CSES302	Principles of Communication
3.		19CSPC303	Data Structures
4.		19CSPC304	Computer Organization and Architecture
5.		19CSPC305	Object Oriented Programming
6.		19CSHS306	Environmental Science and Engineering
7.		19CSPC307	Data Structures Laboratory
8.		19CSPC308	Object Oriented Programming Laboratory
9.		19CSES309	Digital Systems Laboratory
10.	IV	19CSBS401	Discrete Mathematics
11.		19CSPC402	Operating Systems
12.		19CSPC403	Database Management Systems
13.		19CSPC404	Design and Analysis of Algorithms
14.		19CSES405	Microprocessor and Microcontroller
15.		19CSMC406	Constitution of India
16.		19CSPC407	Operating Systems Laboratory
17.		19CSPC408	Database Management Systems Laboratory
18.		19CSES409	Microprocessor and Microcontroller Laboratory
19.	V	19CSBS501	Probability and Queuing Theory
20.		19CSPC502	Web Programming
21.		19CSPC503	Computer Networks
22.		19CSPC504	Theory of Computation
23.		19CSPExxx	Professional Elective - 1
24.		19CSOExxx	Open Elective - I
25.		19CSPC505	Web Programming Laboratory
26.		19CSPC506	Computer Networks Laboratory
27.		19CSHS507	Communication Skills Laboratory
28.	VI	19CSPC601	Digital Signal Processing
29.		19CSPC602	Compiler Design
30.		19CSPC603	Mobile Computing
31.		19CSPC604	Software Engineering
32.		19CSPExxx	Professional Elective - II
33.		19CSOExxx	Open Elective - II
34.		19CSPC605	Mobile Application Development Laboratory
35.		19CSPC606	Compiler Design Lab

36.		19CSPC701	Cryptography and Network Security
37.		19CSPC702	Data Analytics
38.		19CSHS703	Principles of Management
39.		19CSPExxx	Professional Elective - III
40.	VII	19CSPExxx	Professional Elective - IV
41.		19CSOExxx	Open Elective – III
42.		19CSPC704	Security Laboratory
43.		19CSPC705	Data Analytics Lab
44.		19CSMC706	Mini Project
45.		19CSPExxx	Professional Elective – V
46.	VIII	19CSPExxx	Professional Elective - VI
47.		19CSOExxx	Open Elective – IV
48.		19CSEE801	Project Work

Subjects reviewed by the Experts: PG

S. No.	Semester	Course Code	Name of the courses
1.		19CSPEXX	Professional Elective IV
2.	III	19CSOExx	Open Elective
3.		19CSEE301	Project Phase I
4.	IV	19CSEE401	Project Phase II

Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	UG: Web Programming, Digital Signal Processing, Theory of Computation, AI PG: Data Science, Cryptography and Network Security	• Latest Web Technology Tools can be incorporated in Web Programming Syllabus. • DSP Syllabus can be reframed by including Signals and System contents. • AI can be included as Professional Elective. • Machine Learning Subject can be included in the Curriculum. • Crypto Science and Block Chain Technology can be incorporated in Curriculum.	Suggestions incorporated

Item No. 2.5. 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.

Name & Signature
Chairman/BoS

Dr. D. CHITRA M.E.,Ph.D.,
Professor and Head
Dept. of Computer Science and Engineering,
P.A.College of Engineering and Technology
Pollachi - 642 002

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POLLACHI – 642 002.
Department of Electronics and Communication Engineering
(Accredited by NBA)

MINUTES OF THE BOARD OF STUDIES MEETING
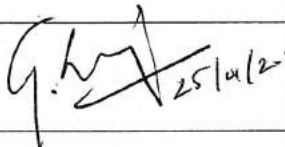
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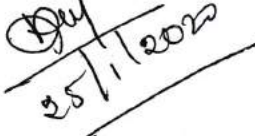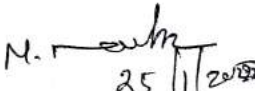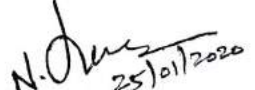
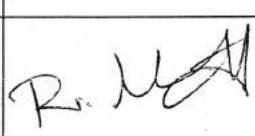|	
DATE	: 25-01-2020
TIME	: 9.30 AM to 1.00 PM
VENUE	: ECE Seminar Hall (9.30 AM to 1.00 PM) - ECE Board Meeting

i)   The following members were present for the meeting:

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

7.	**Dr. D. Ganeshkumar** Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	25/1/2020
8.	**Dr. R. P. Meenaakshi Sundhari** Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	20/1/20
9.	**Dr. M. Yuvaraja** Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	25/1/20
10.	**Dr. K. S. Neelu Kumari** Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	
11.	**Mr. D. Kumar** Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	25/1/2020
12.	**Mrs. M. Madhumalini** Associate Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	M. 25/1/2020
13.	**Mr. N. Sarveswaran** Assistant Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	N. 25/01/2020
14.	**Mr. R. Ranjith Kumar** Assistant Professor, Department of Electronics and Communication Engineering, P. A. College of Engineering and Technology, Pollachi – 642002.	Department Member	25/1/2020

15.	**Mrs. D. Chithrakala** Assistant Professor, Department of Mathematics, P. A. College of Engineering and Technology, Pollachi – 642002.	Member Department of Mathematics	D. dy
16.	**Mrs. V. Narmadha Devi** Assistant Professor, Department of Chemistry, P. A. College of Engineering and Technology, Pollachi – 642002.	Member Department of Chemistry	V. Nalmodroru
17.	**Mrs. R. Malathi** Assistant Professor, Department of English, P. A. College of Engineering and Technology, Pollachi – 642002.	Member Department of English	R. MA

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
2.		Co-opt Member

MEETING OF THE ECE BOARD:

Dr. L. Murali, 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. 2.1. 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 (Electronics and Communication Engineering). .

1. The model curricula proposed by AICTE with necessary modifications may be followed with effect from the academic year 2019-2020 onwards. The approved curriculum for III to VIII semester under 2019 Regulations are enclosed. **(Enclosure 1)**

Item No. 2.2. Approval of Syllabus for III 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 III semester to VIII semester for B.E. (Electronics and Communication Engineering).

Item No. 2.3. 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. 19ECVA01– Embedded System Design using MSP430 and TIVA C Series
2. 19ECVA02 – Cadence Tool Training
3. 19ECVA03 – Signal and Image Processing using Raspberry Pi
4. 19ECVA04 – Mobile Phone Servicing
5. 19ECVA05 – Embedded System Design using PIC Microcontroller
6. 19ECVA06 – Arduino Development Programme
7. 19ECVA07 - PCB Designing & Fabrication

NPTEL COURSE:

S.No.	Course Code	Course Name
1.	noc19-ec01	Electronic Design Automation
2.	noc19-ec02	Leadership
3.	noc19-ec03	Management Information System
4.	noc19-ec04	Broadband Networks: Concepts and Technology
5.	noc19-ec05	Digital Voice & Picture Communication
6.	noc19-ec06	Electronics for Analog Signal Processing - I
7.	noc19-ec07	Analog ICs
8.	noc19-ec08	Internet Technology

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	III	19ECPC301	Electronic Devices and Circuits
2.		19ECPC302	Digital System Design
3.		19ECPC303	Signals and Systems
4.		19ECBS304	Transforms and Partial Differential Equations
5.		19ECES305	Data Structures and Algorithms
6.		19ECHS306	Environmental Sciences and Engineering
7.		19ECPC307	Electronics Devices and Circuits Laboratory
8.		19ECPC308	Digital System Design Laboratory
9.	IV	19ECPC401	Linear Integrated Circuits
10.		19ECPC402	Analog Circuits
11.		19ECPC403	Microprocessors and Microcontrollers
12.		19ECPC404	Analog and Digital Communication
13.		19ECBS405	Probability Theory and Random Processes
14.		19ECPC406	Analog and Digital Communication Laboratory
15.		19ECPC407	Analog Circuits and IC Laboratory
16.		19ECPC408	Microprocessors and Microcontrollers Laboratory
17.	V	19ECPC501	Electromagnetic Fields
18.		19ECPC502	Computer System Architecture and Organization

28.		19ECPE60X	Professional Elective – 2
29.		19ECOE60X	Open Elective – 2
30.		19ECHS606	Principles of Management
31.		19ECMC607	Constitution of India
32.		19ECPC608	Computer Networks Laboratory
33.		19ECEE609	Embedded Laboratory
34.	VII	19ECPC701	RF and Microwave Engineering
35.		19ECPE70X	Professional Elective – 3
36.		19ECPE70X	Professional Elective – 4
37.		19ECOE70X	Open Elective – 3
38.		19ECHS705	Total Quality Management
39.		19ECHS706	Professional Ethics and Human Values
40.		19ECPC707	Optical and Microwave Laboratory
41.		19ECEE708	Mini Project
42.	VIII	19ECPE80X	Professional Elective – 5
43.		19ECPE80X	Professional Elective – 6
44.		19ECOE80X	Open Elective– 4
45.		19ECEE804	Project Work
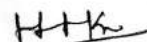
Suggestions given by the Expert members

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	Electromagnetic Fields	The members suggested to have this course in the III or IV semester.	suggestions incorporated
2.	Analog and Digital Communication	The members suggested to have separate course as Analog Communication and Digital Communication.	
3.	Biomedical Electronics	The members suggested to include imaging topic in the syllabus.	
4.	Information Coding	The members planned to include this course either in core subject or elective.	
5.	Power Electronics	The members suggested to include this course in electives.	
6.	Operating Systems	The members suggested to include this course either as core or as elective.	
7.	VLSI Signal Processing	The members suggested to include this curse in elective.	
8.	Data Analytics	The members suggested to include in elective .	

Item No. 2.4. 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 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
(K. s. Neelakumari)

Name & Signature
Chairman/BoS
Dr. L. Murali,
Associate Professor & Head,
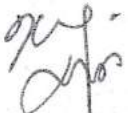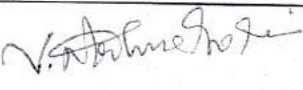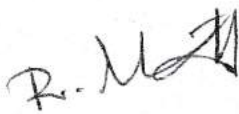Dept. of ECE, PACET
Chairman/BoS
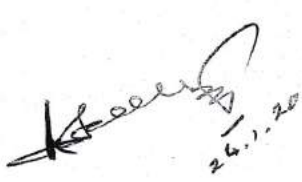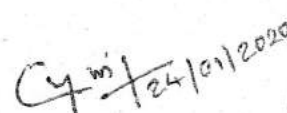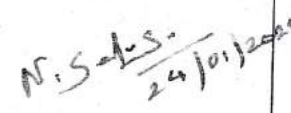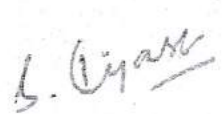
MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 02

DATE : 24.01.2020
TIME : 9.30 A.M. to 1.00 P.M.
VENUE : Hall No. EE203 (10:00 A.M. to 1.00 P.M.) - EEE 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. S. Vijayabaskar Professor & Head, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	
2.	Dr .V. Manikandan Professor Departments of Electrical and Electronics Engineering Coimbatore Institute of Technology, Coimbatore- 641014	University Nominee	
3.	Dr. N. Selvaganesan Associate Professor, Department of Avionics Indian Institute of Space Science and Technology, Trivandrum, Kerala-695547	Expert Member	
4.	Mr. Balaji Sethuraman Deputy General Manager Mercedes-Benz Research and Development India, Bengaluru, Karnataka- 560066	Industry Representative	
5.	Mr. S. Riyash, Software Developer ZOHO Corporation Pvt Ltd Chennai- 603202	Alumni Member	

6.	Dr. V. Parimala Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
7.	Mr. P. Mariaraja, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
8.	Mr. P. Prakash, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
9.	Mr. S. Arun, Assistant Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
10.	Dr. M. Rameshkumar Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
11.	Mrs. V. Narmadhadevi Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
12.	Mrs. R. Malathi Assistant Professor, Department 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: -

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

1.	Dr. N. Sivakumaran Associate Professor Department of Instrumentation and Control Engineering, National Institute of Technology Tiruchirappalli - 620015	Expert Member

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 presented the draft curricula and syllabi of the programme.

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

Item No. 2.1. Approval of Curriculum for 2019 Regulations – UG & PG

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)

1. The model curricula proposed by AICTE with necessary modifications may be followed with effect from the academic year 2019-2020 onwards. The approved curriculum for III to VIII semester under 2019 Regulations are enclosed. **(Enclosure 1)**

Item No. 2.2. Approval of Syllabus for III to VIII semester of B.E (EEE)

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

Item No. 2.3. Approval of Syllabus for III to IV semester of M.E (PED)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 3rd semester to 4th semester for M.E. (Power Electronics and Drives).

Item No. 2.4. 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.	19EEVAX01	Yoga and Youth Empowerment
2.	19EEVAX02	Electrical Wiring, Winding and Earthing, Repairing of Household Appliances
3.	19EEVAX03	IOT applications
4.	19EEVAX04	JAVA programming
5.	19EEVAX05	PCB Design and Fabrication
6.	19EEVAX06	Home Automation
7.	19EEVAX07	Electrical Safety
8.	19EEVAX08	PLC Automation
9.	19EEVAX09	Study of Weather Monitoring System
10.	19EEVAX10	Online course (NPTEL)

NPTEL Course: Online Course Offered by NPTEL under Electrical and Electronics Engineering.

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.		19EEBS301	Transforms and Partial Differential Equations
2.		19EEBS302	Environmental Science and Engineering
3.		19EEPC303	Electromagnetic Theory
4.		19EEPC304	Electronic Devices and Circuits
5.	III	19EEPC305	Electrical Machines - I
6.		19EEPC306	Linear Integrated Circuits and Applications
7.		19EEPC307	Electric Circuits and Electronic Devices Laboratory
8.		19EEPC308	Electrical Machines Laboratory – I
9.		19EEBS401	Numerical Methods
10.		19EEPC402	Signals and Systems
11.		19EEPC403	Digital Logic Circuits
12.		19EEPC404	Electrical Machines - II
13.	IV	19EEES405	Data Structures and Object Oriented Programming with C++
14.		19EEES406	Power Plant Engineering
15.		19EEPC407	Analog Circuits and Digital IC Laboratory
16.		19EEPC408	Electrical Machines Laboratory – II
17.		19EEES409	Data Structures and Object Oriented Programming Using C++ Laboratory

18.	V	19EEPC501	Transmission and Distribution
19.		19EEPC502	Microprocessors and Microcontrollers
20.		19EEPC503	Control Systems
21.		19EEPC504	Electrical Machine Design
22.		19EEPC505	Measurements and Instrumentation
23.		19$$OE5XX	Open Elective I
24.		19EEPC506	Microprocessors and Microcontrollers Laboratory
25.		19EEPC507	Measurements and Control Systems Laboratory
26.	VI	19EEHS601	Technology Management
27.		19EEPC602	Power System Analysis
28.		19EEPC603	Power Electronics
29.		19$$OE6XX	Open Elective II
30.		19EEPE6XX	Professional Elective I
31.		19EEPE6XX	Professional Elective II
32.		19EEPC604	Power Electronics and Drives Laboratory
33.		19EEEE605	Communication skills laboratory
34.	VII	19EEPC701	Wind and Solar Systems
35.		19$$OE7XX	Open Elective III
36.		19EEPE7XX	Professional Elective III
37.		19EEPE7XX	Professional Elective IV
38.		19EEPE7XX	Professional Elective V
39.		19EEMC707	Constitution of India
40.		19EEPC702	Power System & Renewable Energy Laboratory
41.		19EEEE703	Mini Project
42.	VIII	19EEHS801	Professional Ethics
43.		19$$OE8XX	Open Elective IV
44.		19EEPE8XX	Professional Elective VI
45.		19EEEE802	Project Work

Subjects reviewed by the Experts: PG

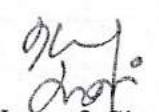| S. No.	Semester	Course Code	Name of the courses
1.	III	19PEPEXX	Professional Elective III
2.		19PEPEXX	Professional Elective IV
3.		19PEOEXX	Open Elective
4.		19PEEE01	Project Phase I
5.	IV	19PEEE02	Project Phase II

Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	Semester – III courses	1. To change the Electrical machines – I subject title to DC Machines and Transformers	
2.	Semester – IV courses	1. To change the Electrical machines – II subject title to Synchronous and Induction Machines 2. Signals and System subject may be removed from curriculum and Networks and Synthesis subject may be included 3. Subject name may be changed Object Oriented Programming with C++ instead of Data Structures and Object Oriented Programming with C++ and Data structures content should be removed	Suggestions incorporated
3.	Semester – VII courses	1. Subject name may be changed Renewable Energy Systems instead of Wind and Solar Systems	
4.	All Courses	1. Minimum of two course objectives should only included in the syllabus	

Item No. 2.5. 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.

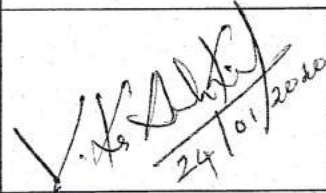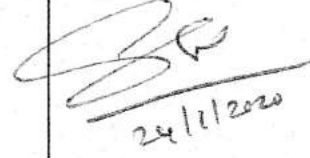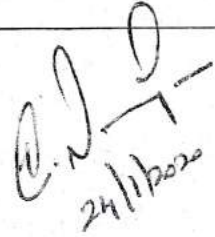|	
Name & Signature BoS- Coordinator (S. ARUN)	Name & Signature Chairman/BoS Dr. S. VIJAYABASKAR, M.E.,Ph.D., Professor & Head, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi - 642 002.

DEPARTMENT OF MECHANICAL ENGINEERING
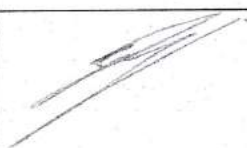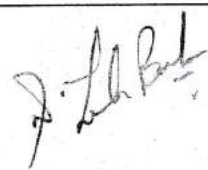
MINUTES OF THE BOARD OF STUDIES MEETING-II
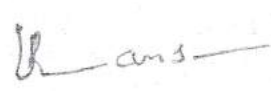
MEETING No. 02

DATE   : 24-01-2020

TIME   : 10.00 A.M. to 4.00 P.M.

VENUE   : Mechanical Seminar Hall

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

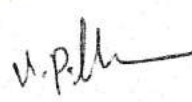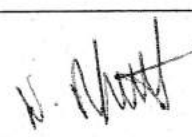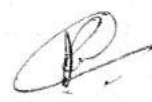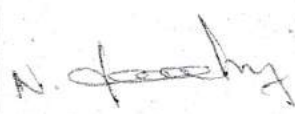| S.No	Name, Designation and Address	Category	Signature of the BoS Members
1.	Dr.T. Varun Kumar Associate Professor and Head, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	
2.	Dr.M.Sakthivel Associate Professor, Department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

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	
7.	Dr. D. Senthil Kumar Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
8.	Dr. C.R.Kamalakannan Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
9.	Dr. A.Baskaran Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
10.	Dr. N.Zeelan Basha Associate Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
11.	Mr. V.P.Suresh Kumar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
12.	Mr. N.Manikandan Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
13.	Mr. R.Mohammed Farooq Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
14.	Mr. N.Gnanasekar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	

15.	Dr.V.Ramalingam, Emeritus Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
16.	Dr.K.Saritha Associate Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
17.	Mrs.K.Ramya Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	K.Ramya 24/01/20
18.	Mrs. Roselin Shiny Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	Roslin 24/01/2020

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 III to VIII 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.	A mandatory course on Constitution of India is recommended for inclusion in the III semester.	
2.	A tutorial hour is recommended to include on course of Engineering Thermodynamics in the III semester.	Suggestions incorporated
3.	A laboratory course on Communication Skills is recommended for inclusion in the IV semester.	

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 III semester to IV 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 III to IV 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 III semester to IV 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	Geometric Dimensioning and Tolerances
3.	19MEVA903	Design for Production and Quality Engineering
4.	19MEVA904	Structural Analysis using Finite Element Analysis
5.	19MEVA905	Non Destructive Testing
6.	19MEVA906	Yoga for Youth Empowerment
7.	19MEVA907	Industry 4.0
8.	19MEVA908	Welding Technology
9.	19MEVA909	3D Printing Technology
10.	19MEVA910	Project Management

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.	19MEBS301	Transforms and Partial Differential Equations
2.	19MEES302	Basic Electronics Engineering
3.	19MEPC303	Engineering Thermodynamics
4.	19MEPC304	Fluid Mechanics and Machinery
5.	19MEPC305	Manufacturing Technology - I
6.	19MEMC306	Constitution of India
7.	19MEPC307	Computer Aided Machine Drawing Laboratory
8.	19MEPC308	Fluid Mechanics and Machinery Laboratory
9.	19MEPC309	Manufacturing Technology Laboratory - I
10.	19MEBS401	Numerical Methods
11.	19MEPC402	Engineering Materials and Metallurgy
12.	19MEPC403	Kinematics of Machinery
13.	19MEPC404	Strength of Materials

14.	19MEPC405	Manufacturing Technology -II
15.	19MEHS406	Environmental Science and Engineering
16.	19MEHS407	Communication Skill Laboratory
17.	19MEPC408	Strength of Materials Laboratory
18.	19MEPC409	Manufacturing Technology Laboratory - II

Item No. 2.5. 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.