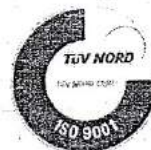




P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'A' Grade and Accredited by NBA
POLLACHI, COIMBATORE – 642 002.





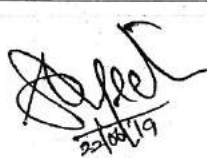
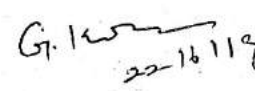
DEPARTMENT OF CIVIL ENGINEERING
MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 01

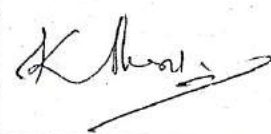
DATE : 22-06-2019
TIME : 9.30 A.M. to 4.30 P.M.
VENUE : Main Seminar Hall

i) The following members were present for the meeting:

S.No	Name, Designation and Address	Category	Signature
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 22/6/19
2	Dr. S. Shanmugam Professor of Civil Engineering & Dean Students Affairs Coimbatore Institute of Technology Coimbatore – 641 014	University Nominee	S. Shanmugam 22/6/19
3	Dr. S.T. Ramesh Professor Department of Civil Engineering National Institute of Technology Trichurappali – 620 015	Expert Member	S.T. Ramesh
5	Dr. S. Thirugnanasambandam, Professor Department of Civil & Structural Engineering Annamalai University Annamalai Nagar – 608 002	Expert Member	S. Thirugnanasambandam 22/6/19
6	Er. A. Muthuswamy Managing /director The Artin Builders Pvt. Ltd. Pollachi – 642 002.	Industry Representative	A. Muthuswamy
7	Mr. Y. Ashwin, Ladder Lands Surveys, 1/125 1 st Floor, Vasanth Street, Golden George Nagar, Nerkundram, Chennai – 600 107	Alumni Member	Y. Ashwin
8	Mr. C. R. Arul Prakasam Assistant Professor(SG) Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	C. R. Arul Prakasam

9	Mr. M. Prabu Assistant Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	
10	Mr. T. Ravindaran Assistant Professor Department of Civil Engineering P.A College of Engineering and Technology Pollachi – 642 002	Department Member	
11	Dr.A.Sangeetha Devi Assistant Professor Dept. of Science and Humanities P. A. College of Engineering and Technology Pollachi, Coimbatore – 642002	Department Member	 22/06/19
12	Dr.G.Kottur Assistant Professor Dept. of Science and Humanities P. A. College of Engineering and Technology Pollachi, Coimbatore – 642002	Department Member	 22-16-19

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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OPENING MEETING:

Common Meeting was held on 22nd June 2019 at PACET Main Seminar Hall in which members of all Boards of Studies were present. Dr. P. Appukutty, Chairman, P. A. Institutions welcomed the gathering. Dr. T. Manigandan, Principal of P. A. College of Engineering and Technology briefed on the objective of the meeting and provided common guidelines to be followed.

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 and syllabi for 1st semester and 2nd semester under 2019 Regulations are enclosed. (**Enclosure 1**)
2. The total credits for the UG-Civil programme is 162. The curriculum breakdown structure is enclosed for UG-Civil. (**Enclosure 2**)

Item No. 1.2. Approval of Curriculum for 2017 Regulations – UG

1. **Item No. 1.2.1.** For Second & Third-Year B.E. Civil Engineering, Anna University prescribed Regulations-2017, Curriculum and Syllabi is being followed.
2. **Item No. 1.2.2.** A Student is expected to complete a B.E programme in 8 semesters but in any case, not more than 16 semesters for HSC or equivalent candidates and not more than 12 semesters for Lateral entry candidates.
3. **Item No. 1.2.3.** A Student is permitted to undergo his/her higher semester courses, even though he/she have arrear in lower semesters.

Item No. 1.3. Approval of Curriculum for 2013 Regulations

For Final Year B.E. Civil Engineering , Anna University prescribed Regulations-2013, Curriculum & Syllabi is being followed.

Item No. 1.4. Approval of Syllabus for 1st and 2nd semester of B.E Civil Engineering

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for B.E. Civil Engineering.

Item No. 1.5. 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 Courses:

- Surveying using Total Station and Autoplotter 8
- Environmental Audit
- Yoga for Youth empowerment
- Valuation
- Design of Multistorey Building – A Practical Approach

NPTEL Courses:

- Civil Engineering - Building materials and Construction
- Modern Surveying Techniques
- Introduction to Transportation Engineering
- Environmental Air Pollution
- Design of Steel Structures
- Water Resources Engineering
- Hydraulics
- Mechanics of solids

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	I	-	Induction Programme
2.	I	19CEBS101	Engineering Chemistry
3.	I	19CEBS102	Engineering Mathematics - I
4.	I	19CEES103	Basics of Electrical Engineering
5.	I	19CEES104	Engineering Graphics
6.	I	19CEBS105	Chemistry Laboratory
7.	I	19CEES106	Basics of Electrical Engineering Laboratory
8.	I	19CEES107	Workshop Practice
9.	II	19CEHS201	Communicative English
10.	II	19CEBS202	Engineering Mathematics - II
11.	II	19CEBS203	Engineering Physics
12.	II	19CEES204	Programming for Problem Solving
13.	II	19CEES205	Engineering Mechanics
14.	II	19CEBS206	Physics Laboratory
15.	II	19CEES207	Programming in C Laboratory

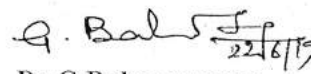
Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	19CEES104	Mechanics term from computer aided drafting portion is to be removed	Suggestions incorporated
2.	19CEBS101	Tutorial hour is not necessary	
3.	19CEBS203	Tutorial hour is not necessary	

Item No. 1.6. 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- Civil Engineering.

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


Dr.G.Balamurugan
 Chairman/BoS



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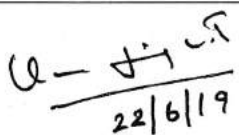
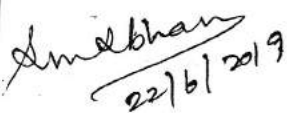
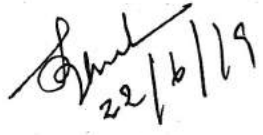
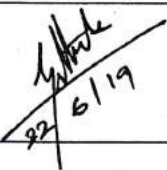


MINUTES OF THE BOARD OF STUDIES MEETING


MEETING No. 01

DATE : 22-06-2019
TIME : 9.30 A.M. to 4.30 p.m.
VENUE : Main Seminar Hall (09:30 AM to 10:30 AM) - Common Meeting
CSE Dept. Library (10:30 AM to 4.30 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	 22/6/2019
2.	Dr. T. Hamsapriya, Professor & HOD Dept. of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research, Coimbatore – 641062	University Nominee	 22/6/19
3.	Dr. S. Mary Saira Banu, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy - 620015	Expert Member	 22/6/2019
4.	Dr. M. Ramakrishnan, Professor and Head, Dept. of Computer Applications, Madurai Kamaraj University, Madurai - 625021	Expert Member	 22/6/19
5.	Mr. Roy Antony Arnold George Vice – Principal, Infosys Campus Connect Programme, Infosys, Mysore - 570027	Industry Representative	 22/6/19
6.	Mr. S. Nandha Kumar, Senior Software Engineer, InfoView Technologies Ltd. (IVTL), Chennai - 600096	Alumni Member	Nandha kumar k

7.	Dr. V. Kalpana Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	Kan 22/6/19
8.	Dr. S. Suresh Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	S.L 22/6/19
9.	Dr. D. Saravana priya Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	22/6/19
10.	Mrs. P. Sangeetha Associate Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	P.S 22/6/19
11.	Mr. A. Kaliappan Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	22/6/19
12.	Mrs. N. K. Priyadharshini Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	Priyadharshini 22/6/19
13.	Mr. A. Pugazhenth Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	22/6/19
14.	Mr. R. Kavitha Assistant Professor, Dept. of Computer Science and Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	R. Kavitha 22/6/19
15.	Dr. T. Gandhimathi Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	T. Gandhimathi 22/6/19
16.	Dr. V. Regina Delcy Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	V.R.D 22/6/19

17.	Mr. R. Karthik Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	
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OPENING MEETING:

Common Meeting was held on 22nd June 2019 at PACET Main Seminar Hall in which members of all Boards of Studies were present. Dr. P. Appukutty, Chairman, P. A. Institutions welcomed the gathering. Dr. T. Manigandan, Principal of P. A. College of Engineering and Technology briefed on the objective of the meeting and provided common guidelines to be followed.

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. 1.1. 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 and syllabi for 1st semester and 2nd semester under 2019 Regulations are enclosed. **(Enclosure 1)**
2. The total credits for the UG-CSE programme is 159 and total credits for the PG-CSE programme is 68. The curriculum breakdown structure is enclosed for both UG-CSE and PG_CSE programme. **(Enclosure 2)**

Item No. 1.2. Approval of Curriculum for 2017 Regulations – UG & PG

1. **Item No. 1.2.1.** For Second & Third-Year B.E. (CSE), Anna University prescribed Regulations-2017, Curriculum and Syllabi is being followed.
2. **Item No. 1.2.2.** For Second Year M.E. (CSE), Anna University prescribed Regulations-2017, Curriculum and Syllabi is being followed.
3. **Item No. 1.2.3.** A Student is expected to complete a B.E programme in 8 semesters but in any case, not more than 16 semesters for HSC or equivalent candidates and not more than 12 semesters for Lateral entry candidates.
4. **Item No. 1.2.4.** A Student is permitted to undergo his/her higher semester courses, even though he/she have arrear in lower semesters.

Item No. 1.3. Approval of Curriculum for 2013 Regulations

For Final Year B.E. (CSE), Anna University prescribed Regulations-2013, Curriculum & Syllabi is being followed.

Item No. 1.4. Approval of Syllabus for 1st and 2nd semester of B.E (CSE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for B.E. (Computer Science and Engineering).

Item No. 1.5. Approval of Syllabus for 1st and 2nd semester of M.E (CSE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for M.E. (Computer Science and Engineering).

Item No. 1.6. 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

NPTEL COURSE:

S.No.	Course Code	Course Name
1.	noc19-hs22	Enhancing Soft Skills and Personality
2.	noc19-ge08	Entrepreneurship Essentials
3.	noc19-ce14	Natural Hazards
4.	noc19-ce06	Electronic Waste Management Issues and Challenges
5.	noc19-hs01	Patent Drafting for Beginners
6.	noc19-bt13	Bioengineering: An Interface with Biology and Medicine
7.	noc19-bt01	Bio-Informatics: Algorithms and Applications
8.	noc19-ge15	Designing Learner-Centric MOOCs
9.	noc19-hs20	Employment Communication a Lab based course
10.	noc19-me21	Product Design and Development
11.	noc19-ch13	Waste to Energy Conversion

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	First	19CSHS101	Communicative English
2.		19CSBS102	Engineering Mathematics - I
3.		19CSBS103	Engineering Physics
4.		19CSES104	Programming for Problem Solving

Subjects reviewed by the Experts: PG

S. No.	Semester	Course Code	Name of the courses
1.	Second	19CSBS201	Engineering Chemistry
2.		19CSBS202	Engineering Mathematics - II
3.		19CSES203	Fundamentals of Electrical and Electronics Engineering
4.		19CSES204	Engineering Graphics
5.		19CSPC205	Python Programming

Suggestions given


S. No.	Name of the experts	Experts suggestions and comments	Measures /Modification taken
1.	Dr. T. Hamsapriya, Professor & HOD Dept. of Electronics and Communication Engineering, PSG Institute of Technology and Applied Research, Coimbatore – 641062	Analog Electronic circuits and Digital Electronics courses may be removed.	Suggestions incorporated
2.	Dr. S. Mary Saira Banu, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy - 620015	Supplementary examination details may be included in the Regulations 2019. Scribe for Continuous Assessment and End Semester Examination timings may be included in the Regulations 2019.	
3.	Dr. M. Ramakrishnan, Professor and Head, Dept. of Computer Applications, Madurai Kamaraj University, Madurai - 625021	More number of CSE courses may be included as Professional Core.	

4.	Mr. Roy Antony Arnold George Vice – Principal, Infosys Campus Connect Programme, Infosys, Mysore - 570027	Python Programming course may be included.	
5.	Mr. S. Nandha Kumar, Senior Software Engineer, InfoView Technologies Ltd. (IVTL), Chennai - 600096	Mobile Computing and Mobile Application Development may be included as Core Courses.	

Item No. 1.7. 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 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



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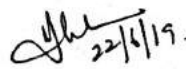
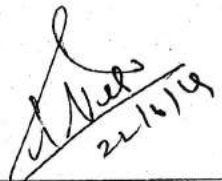
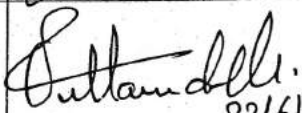

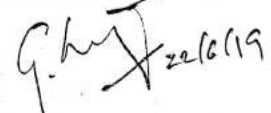



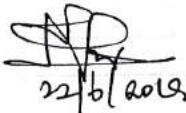
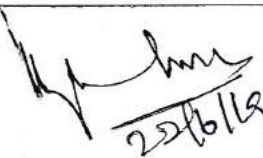
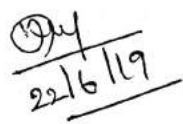


MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 01

DATE : 22-06-2019
TIME : 9.30 AM to 4.30 PM
VENUE : Main Seminar Hall (09:30 AM to 10:30 AM) - Common Meeting
ECE Seminar Hall (10:30 AM to 4.30 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	 22/6/19.
2.	Dr. P. Nirmal Kumar Professor, Department of Electronics and Communication Engineering, College of Engineering, Guindy Anna University, Chennai-600025	University Nominee	 22/6/19.
3.	Dr. C. Puttamadappa Professor and Registrar, Dayananda Sagar University Innovation Campus, Kudlu Gate, Hosur Road Bangalore-560 068	Expert Member	 22/6/19.
4.	Dr. S. Veni Associate Professor, Department of Electronics and Communication Engineering, Amrita School of Engineering, Coimbatore-641112	Expert Member	 22/6/19 (S. VENI)
5.	Dr. G. Sai Narayanan Senior Consultant, HCL Technologies , Chennai-600018	Industry Representative	 22/6/19
6.	Mr. Raghu Rama Sreenath. K. S. Team Leader, Software Test Engineer (QA) M/s. Angler Technologies India Pvt. Ltd., Coimbatore - 641045	Alumni Member	 22/06/19

7.	Dr. D. Ganeshkumar Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	 22/6/2019
8.	Dr. R. P. Meenaakshi Sundhari Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	R.P. Meenaakshi 22/6/19
9.	Mr. M. Yuvaraja Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	 22/6/19
10.	Dr. K. S. Neelukumari Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	K.S. Neelukumari 22/6/19
11.	Mr. D. Kumar Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	 22/6/19
12.	Mrs. M. Madhumalini Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	M. Madhumalini 22/6/19
13.	Mr. N. Sarveswaran Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	 22/6/19
14.	Mr. R. Ranjith Kumar Assistant Professor, Department of Electronics and Communication Engineering, P. A. College Of Engineering and Technology, Pollachi – 642002.	Department Member	 22/6/19

15.	Mrs. D. Chithrakala Assistant Professor, Department of Mathematics, P. A. College Of Engineering and Technology, Pollachi – 642002.	Member Department of Mathematics	<i>D. Chithrakala</i> 22/06/19
16.	Mrs. C. Rajarajeswari Assistant Professor, Department of Physics, P. A. College Of Engineering and Technology, Pollachi – 642002.	Member Department of Physics	<i>C. Rajarajeswari</i> 22/6/19
17.	Mrs. R. Malathi Assistant Professor, Department of English, P. A. College Of Engineering and Technology, Pollachi – 642002.	Member Department of English	<i>R. Malathi</i> 22/6/19

ii) The following members were present as special invitees: **NA**.

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

1.	—	Department Member
2.	—	Co-opt Member

OPENING MEETING:

Common Meeting was held on 22nd June 2019 at PACET Main Seminar Hall in which members of all Boards of Studies were present. Dr. P. Appukutty, Chairman, P. A. Institutions welcomed the gathering. Dr. T. Manigandan, Principal of P. A. College of Engineering and Technology briefed on the objective of the meeting and provided common guidelines to be followed.

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. 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 (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 and syllabi for 1st semester and 2nd semester under 2019 Regulations are enclosed. (**Enclosure 1**)
2. The total credits for the UG-ECE programme is 160. The curriculum breakdown structure is enclosed for both UG-ECE. (**Enclosure 2**)

Item No. 1.2. Approval of Curriculum for 2017 Regulations – UG

1. **Item No. 1.2.1.** For Second & Third-Year B.E. (ECE), Anna University prescribed Regulations-2017, Curriculum and Syllabi is being followed.
2. **Item No. 1.2.2.** A Student is expected to complete a B.E programme in 8 semesters but in any case, not more than 16 semesters for HSC or equivalent candidates and not more than 12 semesters for Lateral entry candidates.
3. **Item No. 1.2.3.** A Student is permitted to undergo his/her higher semester courses, even though he/she have arrear in lower semesters.

Item No. 1.3. Approval of Curriculum for 2013 Regulations

For Final Year B.E. (ECE), Anna University prescribed Regulations-2013; Curriculum & Syllabi is being followed.

Item No. 1.4. Approval of Syllabus for 1st and 2nd semester of B.E (ECE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for B.E. (Electronics and Communication Engineering).

Item No. 1.5. 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

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.	I	19ECHS101	Communicative English
2.	I	19ECBS102	Engineering Mathematics - I
3.	I	19ECBS103	Engineering Physics
4.	I	19ECES104	Programming for Problem Solving
5.	I	19ECBS105	Physics Laboratory
6.	I	19ECES106	Workshop Practice
7.	I	19ECES107	Programming in C Laboratory
8.	II	19ECBS201	Engineering Chemistry
9.	II	19ECBS202	Engineering Mathematics - II
10.	II	19ECES203	Principles of Electrical Engineering
11.	II	19ECES204	Engineering Graphics
12.	II	19ECPC205	Electric Circuit Analysis
13.	II	19ECBS206	Chemistry Laboratory
14.	II	19ECES207	Electrical Engineering Laboratory

* Committee also reviewed curriculum from III Semester to VIII Semester.

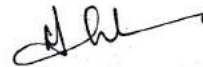
Suggestions given by the Expert members

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	Electric Circuit Analysis	Suggested to opt the electric circuit analysis paper from III semester to II Semester	Suggestions incorporated
2.	Engineering mathematics - I	Insisted to reconfigure the syllabus of Engineering mathematics - I	
3.	Programming for Problem Solving	Suggested to name the subject programming in C to Programming for Problem Solving	
4.	Automotive Electronics	In VI Semester, Instead of Scientific Computing Automotive Electronics is to be changed/	
5.	Machine Learning & Artificial Intelligence	In VIII Semester Machine Learning & Artificial Intelligence courses may be combined as single course.	
6.	Professional Elective Courses	Number of Professional Elective Courses should be uniformly distributed	

Item No. 1.6. 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.



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



P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution)

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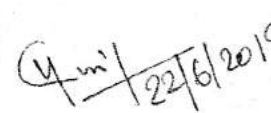
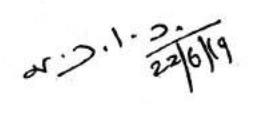

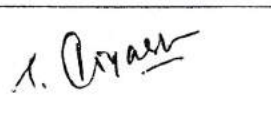








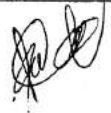
MINUTES OF THE BOARD OF STUDIES MEETING

MEETING No. 01

DATE : 22-06-2019
TIME : 9.30 AM. to 4.30 PM
VENUE : Main Seminar Hall (09:30 AM to 10:30 AM) - Common Meeting
Hall No. EE203 (10:30 AM to 4.30 PM) - 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. Thiruvankadam Professor & Head, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Chairman Board of Studies	 22/6/19
2.	Dr. V. Manikandan, Professor, Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore – 641014	University Nominee	 22/6/2019
3.	Dr. N. Selvaganesan, Associate Professor, Dept. of Avionics Indian Institute of Space Science and Technology, Trivandrum, Kerala-695547	Expert Member	 22/6/19
4.	Mr. Balaji Sethuraman, Deputy General Manager, Mercedes-Benz Research and Development India, Bengaluru, Karnataka – 560066	Industry Representative	 22/6/2019
5.	Mr. S. Riyash, Software Developer, ZOH0 Corporation Pvt. Ltd., Chennai – 603202	Alumni Member	 22/6/2019

6.	Dr. S. Vijayabaskar, Professor, Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore – 642002	Department Member	
7.	Dr. V. Parimala, Assistant Professor (Sr. Grade), Department of Electrical and Electronics Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	
8.	Mr. 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.	Dr. M. Rameshkumar, Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 RAMES
11.	Mr. P. Sivarama Prabhu, Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 not meth.
12.	Mr. K. Vigneshkumar Assistant Professor, Department of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 not the

ii) The following member was 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
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OPENING MEETING:

Common Meeting was held on 22nd June 2019 at PACET Main Seminar Hall in which members of all Boards of Studies were present. Dr. P. Appukutty, Chairman, P. A. Institutions welcomed the gathering. Dr. T. Manigandan, Principal of P. A. College of Engineering and Technology briefed on the objective of the meeting and provided common guidelines to be followed.

MEETING OF THE EEE BOARD:

Dr. S. Thiruvenkadam, 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 & 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 (PED))

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 and syllabi for 1st semester and 2nd semester under 2019 Regulations are enclosed. **(Enclosure 1)**
2. The total credits for the UG-EEE programme is 161 and total credits for the PG-PED programme is 71. The curriculum breakdown structure is enclosed for both UG-EEE and PG-PED programme. **(Enclosure 2)**

Item No. 1.2. Approval of Curriculum for 2017 Regulations – UG & PG

1. **Item No. 1.2.1.** For Second & Third-Year B.E. (EEE), Anna University prescribed Regulations-2017, Curriculum and Syllabus is being followed.
2. **Item No. 1.2.2.** For Second Year M.E. (PED), Anna University prescribed Regulations-2017, Curriculum and Syllabus is being followed.
3. **Item No. 1.2.3.** A Student is expected to complete a B.E programme in 8 semesters but in any case, not more than 16 semesters for HSC or equivalent candidates and not more than 12 semesters for Lateral entry candidates.
4. **Item No. 1.2.4.** A Student is permitted to undergo his/her higher semester courses, even though he/she have arrear in lower semesters.

Item No. 1.3. Approval of Curriculum for 2013 Regulations

For Final Year B.E. (EEE), Anna University prescribed Regulations-2013, Curriculum & Syllabus is being followed.

Item No. 1.4. Approval of Syllabus for 1st and 2nd semester of B.E (EEE)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for B.E. (EEE).

Item No. 1.5. Approval of Syllabus for 1st and 2nd semester of M.E (PED)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for M.E. (PED).

Item No. 1.6. 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 COURSES:

1.	108102045	Embedded Systems
2.	108104052	Power Systems Operation and Control
3.	108105058	Energy Resources & Technology
4.	108105060	Illumination Engineering
5.	108108077	Industrial Drives - Power Electronics
6.	108106075	Networks and Systems
7.	108105065	Networks Signals and Systems
8.	108106068	Analog ICs
9.	108106069	Digital Integrated Circuits

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	I	19EEHS101	Communicative English
2.	I	19EEBS102	Calculus and Differential Equations
3.	I	19EEBS103	Waves, Optics and Introduction to Quantum Mechanics
4.	I	19EEES104	Programming in C
5.	I	19EEES105	Workshop Practice
6.	I	19EEBS106	Physics Laboratory
7.	I	19EEES107	Programming in C Laboratory
8.	II	19EEBS201	Applied Chemistry

9.	II	19EEBS202	Linear Algebra, Numerical Methods and Transform Calculus
10.	II	19EEES203	Basics of Civil and Mechanical Engineering
11.	II	19EEES204	Engineering Graphics
12.	II	19EEBS205	Chemistry Laboratory

Subjects reviewed by the Experts: PG

S. No.	Semester	Course Code	Name of the courses
1.	I	19PEFCZ1	Research Methodology and IPR
2.	I	19PEFC02	Applied Mathematics for Electrical Engineering
3.	I	19PEPC01	Modelling and Analysis of Electrical Machines
4.	I	19PEPC02	Power Semiconductor Devices and Components
5.	I	19PEPC03	Analysis of Power Converters
6.	I	19PEPC04	Power Electronic Circuits and Power Quality Laboratory
7.	II	19PEPC05	Solid State Drives
8.	II	19PEPC06	Switched Mode Power Converters
9.	II	19PEPC07	Digital Control for Power Electronic Applications
10.	II	19PEPC08	Electric Drives Lab

Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	Mathematics, Physics and Chemistry courses of I and II semester	Course names may be changed and one additional mathematics course need to be included in the curriculum	Suggestions incorporated
2.	Servicing and maintenance of House hold appliances	Suggested to be included in II semester	
3.	Laboratory courses credits	4 periods/ 2 credits can be given for laboratory courses of all the semester	
4.	All courses	Text books may be included in the syllabus	
5.	PG – Mini Project	May be removed from the curriculum	

Item No. 1.7. 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 the programmes.

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


(Dr. S. Thiruvankadam, HOD/EEE)

Name & Signature

Chairman/BoS

Dr S. THIRUVANKADAM, 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

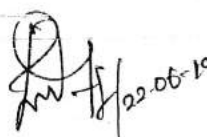
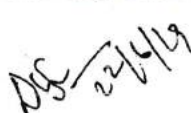

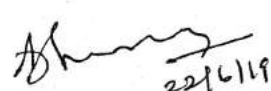
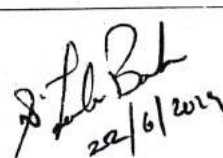

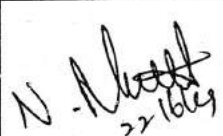


MINUTES OF THE BOARD OF STUDIES MEETING

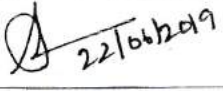

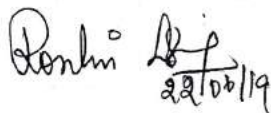
MEETING No. 01

DATE : 22-06-2019
TIME : 9.30 A.M. to 4.30 P.M.
VENUE : Main Seminar Hall (09:30 AM to 10:30 AM) - Common Meeting
Mechanical Seminar Hall (10:30 AM to 4.30 PM) - Mechanical 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.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	 22/6/19
2.	Dr.M.Sakthivel Associate Professor, Department of Mechanical Engineering, Anna University, Regional Campus, Coimbatore – 641046	University Nominee	 22/6/19
3.	Dr.V.Anandakrishnan Associate Professor, Department of Production Engineering, National Institute of Technology, Tiruchirappalli - 620015	Expert Member	 22/6/19
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	 22/06/19

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	 22/06/19
7.	Dr. D. Senthil Kumar Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
8.	Dr. C.R.Kamalakaran Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
9.	Dr. A.Baskaran Associate Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
10.	Dr. N.Zeelan Basha Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/2019
11.	Mr. V.P.Suresh Kumar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
12.	Mr. N.Manikandan Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
13.	Mr. R.Mohammed Farooq Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19
14.	Mr. N.Gnanasekar Assistant Professor, Dept. of Mechanical Engineering, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/6/19

15.	Mrs.K.Saritha Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/06/2019
16.	Mrs.K.Ramya Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/06/2019
17.	Mrs. Roselin Shiny Assistant Professor, Dept. of Science and Humanities, P. A. College of Engineering and Technology, Pollachi, Coimbatore - 642002	Department Member	 22/06/19

OPENING MEETING:

Common Meeting was held on 22nd June 2019 at PACET Main Seminar Hall in which members of all Boards of Studies were present. Dr. P. Appukutty, Chairman, P. A. Institutions welcomed the gathering. Dr. T. Manigandan, Principal of P. A. College of Engineering and Technology briefed on the objective of the meeting and provided common guidelines to be followed.

MEETING OF THE MECHANICAL BOARD:

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 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 (Mechanical 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 and syllabi for 1st semester and 2nd semester under 2019 Regulations are enclosed. (**Enclosure 1**)
2. The total credits for the UG-Mechanical programme is 164. The curriculum breakdown structure is enclosed for UG-Mechanical Programme. (**Enclosure 2**)

Item No. 1.2. Approval of Curriculum for 2017 Regulations – UG

1. **Item No. 1.2.1.** For Second & Third-Year B.E. (Mechanical), Anna University prescribed Regulations-2017, Curriculum and Syllabi is being followed.

2. **Item No. 1.2.2.** A Student is expected to complete a B.E programme in 8 semesters but in any case not more than 16 semesters for HSC or equivalent candidates and not more than 12 semesters for Lateral entry candidates.
3. **Item No. 1.2.3.** A Student is permitted to undergo his/her higher semester courses, even though he/she have arrear in lower semesters.

Item No. 1.3. Approval of Curriculum for 2013 Regulations

For Final Year B.E. (Mechanical), Anna University prescribed Regulations-2013, Curriculum & Syllabi is being followed.

Item No. 1.4. Approval of Syllabus for 1st and 2nd semester of B.E (Mechanical)

The members discussed the syllabus content proposed by the Chairman BoS and approved the syllabus and reference books from 1st semester to 2nd semester for B.E. (Mechanical Engineering).

Item No. 1.5. 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:

Sl. No	Course Code	Course Title	Credits
1.	19MEVA901	Certification in Creo, ANSYS, CFD, etc.,	1
2.	19MEVA902	Geometric Dimensioning and Tolerancing	1
3.	19MEVA903	Internal Combustion Engine Design	1
4.	19MEVA904	3D Printing Technology	1
5.	19MEVA905	Non Destructive Testing (NDT)	1
6.	19MEVA906	Advances in Casting and Welding	1
7.	19MEVA907	Internship Training	1

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 and any other NPTEL Courses

Subjects reviewed by the Experts: UG

S. No.	Semester	Course Code	Name of the courses
1.	I	19MEBS101	Engineering Chemistry
2.	I	19MEBS102	Engineering Mathematics - I
3.	I	19MEES103	Basics of Electrical Engineering
4.	I	19MEES104	Engineering Graphics
5.	I	19MEBS105	Chemistry Laboratory
6.	I	19MEES106	Basics of Electrical Engineering Laboratory
7.	I	19MEES107	Workshop Practice
8.	II	19MEHS201	Communicative English
9.	II	19MEBS202	Engineering Mathematics - II
10.	II	19MEBS203	Engineering Physics
11.	II	19MEES204	Programming for Problem Solving
12.	II	19MEBS205	Engineering Mechanics
13.	II	19MEES206	Physics Laboratory
14.	II	19MEES207	Programming in C Laboratory

Suggestions given

S. No	Name of the course viewed by experts	Experts suggestions and comments	Measures /Modification taken
1.	19MEES104	Mechanics term from computer aided drafting portion is to be removed	Suggestions incorporated
2.	19MEBS101	Tutorial hours is not necessary	
3.	19MEBS203	Tutorial hours is not necessary	

Item No. 1.6. 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- Mechanical Engineering.

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



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.