

PATTUKKOTTAI POLYTECHNIC COLLEGE



(Estd. 1983 – Govt. Aided – AICTE Approved Institution)

(An ISO 9001 : 2008 Certified Institution)

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

NEWSLETTER

ACADEMIC YEAR **2020-2021**

ODD SEM

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NEWS LETTER EDITORIAL TEAM

M.DURAI B.E., HOD/EEE	HARIRAM.V - II YEAR EEE
B.RAJESHWARI B.E., LECTURER	HARIHARASUDHAN.N - III YEAR EEE
A.ARCHANA B.E., LECTURER	SRIRAM.B - III YEAR EEE

CORRESPONDENT MESSAGE



CORRESPONDENT

MR.SDS.SELVAM B.E., L.L.B.,

Pattukkottai Polytechnic College was established with a tall objective of providing technical education for the students of this rural region.

Our Institution has been on its mission of building a flourishing student society, by motivating every individual and guiding them to attain sure success.

Our institution has come across many milestone events during its journey over the last 39 years and has set the stage for achieving educational excellence through the perseverance of the faculty, commitment of students, and all the dignified well-wishers of the institution.

Our institution has a history crowned with glory and achievements. Our institution has taken thrust forward towards collaborative industrial research and consultancy with both Indian foreign organizations. As students of this institution, we are sure that you would have gained immense knowledge and maturity which will help you to elevate in the future.

We wish all our beloved students to achieve new heights in your life and career. Hope to see you all in our alumni meet with greater and respected position in our society.

PRINCIPAL MESSAGE



MR.V.MUTHUVEL M.E.,MISTE.,

PRINCIPAL

Pattukkottai Polytechnic College, “popularly known as PPC”, is the right place to start the career, for everyone who wants to pursue technical education after secondary school education. I want to share few innovative philosophy of teaching in order to reveal the serene environment and congenial atmosphere for learning at PPC. A teacher moulds minds while touching hearts. Experienced, dedicated and dynamic faculty members of our college are ever ready to help students with the challenges that they face in the classrooms and laboratories. All laboratories and workshops of the college are equipped with state-of-the-art facilities to impart practical training to the level of industry expectations. Apart from department libraries, the library of the college houses a massive collection of technical books, journals, magazines and VCD’s. The college aims and focuses on industry oriented education on par with the best. Come and discover your dreamful and colourful future at PPC.

VISION OF INSTITUTE

To step forward towards Educational Excellence by inspiring students to be a competent Engineering professional to serve the needs of the industry and the society and create them as an entrepreneur.

MISSION OF INSTITUTE

- M1.** To impart quality education through demanding academic programs and create enthusiasm for life- long learning
- M2.** To enhance career opportunities for students through exposure to industry.
- M3.** To promote excellence by encouraging creativity, critical thinking, team work, leadership and ethics among students
- M4.** To inculcate sensitivity towards society and a respect for the environment

VISION OF EEE :

To become a front-runner in bringing out globally competent electrical and electronics engineers and entrepreneurs and thereby contribute values to the knowledge-based economy and society.

MISSION OF EEE:

- M1:** To promote comprehensive education and professional development by providing effective teaching learning process and quality infrastructure.
- M2:** To conduct skill development programmes in engineering technologies to serve the needs of industry, society, scientific communities and as an entrepreneur
- M3:** To inculcate work ethics and commitment in students for their future endeavors to serve the society with an attitude towards lifelong learning.
- M4:** To encourage the habit of team work and to develop technical and professional skills in each student to work individually as well as in team.

PEOs:

- PEO1: Employability & Higher studies:** Graduates will excel in higher education or to succeed in the electrical industry or in technical professions, through rigorous training during the program.
- PEO2: Professionalism:** Graduates will be able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
- PEO3: Managerial skills:** Graduates will possess managerial skills to face challenges in the profession by working harmoniously in a team with effective communication skills, excellent

leadership qualities, life-long learning attitude for a successful professional career.

PROGRAM OUTCOMES:

- PO1: Basic and Discipline specific knowledge:** Apply the theory of mathematics, science, electrical and electronic engineering fundamentals for solving the complex engineering problems.
- PO2: Problem analysis:** Identify, formulate and analyse complex electrical and electronic engineering problems using the principles of mathematics, science and engineering.
- PO3: Design/ development of solutions:** Apply creative thinking to solve complex electrical and electronic engineering problems, verify and implement the solutions with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- PO4: Engineering Tools, Experimentation and Testing:** Select and apply appropriate techniques, resources and modern electrical and electronic engineering tools, including prediction and modelling, to design, analyse and verify the electrical and electronic engineering systems and their components.
- PO5: Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society with proper understanding of the impact of electrical and electronic engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- PO6: Project Management:** Demonstrate knowledge of engineering and management principles as a member and leader in a team, in managing multidisciplinary environments and effectively communicate on complex engineering activities with the engineering community and the society at large through written, oral and electronic forms.
- PO7: Life-long learning:** Recognise the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change in electrical and electronic engineering.

PSOs:

- PSO 1: Integrate** the knowledge of fundamental electronics, power electronics and embedded systems for the controllability, reliability and sustainability of electrical systems.

ABOUT THE DEPARTMENT

Electrical and Electronics Engineering is one of the largest and fastest growing fields. An electrical engineer is one of the high profile.

It is obvious that the whole world relies on electrical technology, without it our life would cease. Thus, becoming an electrical engineer affords you prestige and importance not found in other occupations.

An electrical engineer is generally focused on large-scale electrical systems such as power transmission, motor control, utilizing electricity, and transmitting energy.

The electrical engineer designs new electrical systems and tests equipment and solves the problems. The electrical design engineer develops new electrical systems for various applications. There are plentiful career opportunities for electrical engineers.

Electrical engineers can choose to work in a variety of industries including telecommunications, computers, aerospace, power generation, and manufacturing industries.

LIST OF FACULTIES

1.	<i>M.DURAI B.E., HOD/EEE</i>
2.	<i>S. MANOBALAN M.E.,</i>
3.	<i>S. ANNAMALAI B.TECH.,</i>
4.	<i>A.ARCHANA B.E.,</i>
5.	<i>B.RAJESHWARI B.E.,</i>

EEE Association- Technovation Activities

Expert Lectures



Mr.A.Arunkumar, BE., GS Sign And Led Markers ,Mannargudi delivered guest lecture for third year EEE students about “**Electrical Design Methodology For Industries**” on 23.11.2020.



Mr.R.Ragul, Project Manager, Magna Automotive India Ltd delivered guest lecture for second year EEE students about “**Electrical Vehicle Technology**” on 01.12.2020.

Expert FDP/STTP

- Mr.P.Rajesh, HOD/EEE, ARJ College Of Engineering & Technology, Mannargudi delivered 2 days state level guest lecture about “**application in power eletronics**” from 05-11-2020 to 06-11-2020.

Faculty Development/Training Activities

- Mr.M.Durai, HOD EEE & Mrs.B.Rajeshwari Lecturer EEE participated 6 days program of “**Career Readiness**” organized by SAEINDIA SOUTHERN SECTION from 15.07.2020 to 20.07.2020.
- Mr. S Manobalan and Mr. S Annamalai Lecturer EEE participated 6 days program of “**MODERN TRENDS IN POWER ELECTRONICS**” organized by ANGEL COLLEGE OF ENGINEERING & TECHNOLOGY, TIRUPUR from 07.9.2020 to 12.9.2020.
- Mrs.A Archana Lecturer EEE participated 5 days program of “**POWER SEMICONDUCTOR DEVICES**” organized by CAPE INSTITUTE OF TECHNOLOGY, THIRUNELVELI from 14.09.2020 to 18.09.2020.

Workshop/Conference

- G.Vinoth, Past President of JCI, Pattukkottai delivered workshop about Quiz program(online mode)for the students on 18.08.2020.

Student Development Programs By Technovation



S.Manobalan and S.Annamalai, Lecturer/EEE delivered lectures about “Fault Analysis In Electrical Appliances” from 01.09.2020 to 14.10.2020 for second year EEE students.



P.Saravanan and A.Archana Lecturer/EEE delivered lectures about “**Communication Skills**” from 01.09.2020 to 14.10.2020 for first year EEE students.



M.Durai HOD/EEE and Rajeshwari B, Lecturer/EEE delivered lectures about “Design And Installation Of Solar Panel” from 01.09.2020 to 14.10.2020 for third year EEE students.



S.Manobalan and S.Annamalai, Lecturer/EEE delivered lectures about “Advancement In MsOffice” from 01.09.2020 to 14.10.2020 for first year EEE students.



M.Durai HOD/EEE and A.Archana, Lecturer/EEE delivered lectures about “Success Over Stress” from 01.09.2020 to 14.10.2020 for third year EEE students.

Parents meeting



Rajeshwari B and Prabha M, Lecturer/EEE delivered lectures about “PC Hardware Assembling & Troubleshoot” from 01.09.2020 to 14.10.2020 for second year EEE students.



Parents meeting had been conducted for both II nd and III rd year EEE students by the department of EEE on 14.10.2020.

Students Achievements

- Arjun P, III year EEE student participated in paper presentation at Care Group Of Institutions on 08-10-2020.

Board Exam Toppers

SEM	NAME	RANK
III	THAYALAN P	I
	THANGAPPA S	II
	ARIVUMANI A	III
V	SRIRAM.B	I
	HARIHARASUDHAN.N	II
	MUGESHKANNA.S	III