

# PATTUKKOTTAI POLYTECHNIC COLLEGE



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

(An ISO 9001 : 2008 Certified Institution)

Website: [www.ppc-india.org](http://www.ppc-india.org)

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## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### NEWSLETTER

### ACADEMIC YEAR **2019-2020**

### EVEN SEM

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### **NEWS LETTER EDITORIAL TEAM**

<b>M.DURAI B.E., HOD/EEE</b>	<b>HARIHARASUDHAN N - II YEAR EEE</b>
<b>A.ARCHANA B.E., LECTURER</b>	<b>K PRAVEEN- III YEAR EEE</b>
<b>A.ARUNKUMAR B.E., LECTURER</b>	<b>S SATHISHKUMAR- III YEAR EEE</b>

## ***CORRESPONDENT MESSAGE***



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

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.	<b>M.DURAI B.E., HOD/EEE</b>
2.	<b>A.VIJAYARAGAVAN B.E.,</b>
3.	<b>A.ARUNKUMAR B.E.,</b>
4.	<b>S. MANOBALAN M.E.,</b>
5.	<b>S. ANNAMALAI B.TECH.,</b>
6.	<b>A.ARCHANA B.E.,</b>

## Student Development Programs

### *EEE Association- Technovation Activities* **Expert Lectures**



Mr.K.Siva, Project Senior Cad Engineer Business Supporter, Chennai delivered guest lecture for second year EEE students about “Electrical Vehicle Technology” on 21.02.2020.



Mr.V.Raaju, Trainer CADD Center , Pattukkottai delivered guest lecture for third year EEE students about “Essential Of CAED” on 30.01.2020.



A.Vijiayaraghavan And A.Arunkumar, Lecturer/EEE delivered lectures about “Advancement In MS Office” 02.01.2020 to 13.02.2020 for first year EEE students.



M.Durai HOD/EEE and S.Annamalai, Lecturer/EEE delivered lectures about “PC Hardware Assembling & Troubleshoot 02.01.2020 to 13.02.2020 for second year EEE students.



S.Manobalan And A.Archana, Lecturer/EEE delivered lectures about “Success Over Stress” 02.01.2020 to 13.02.2020 for third year EEE students.

### *Parents meeting*



Parents meeting had been conducted for both II<sup>nd</sup> and III<sup>rd</sup> year EEE students by the department of EEE on 10.01.2020.

### *Industrial Visit*



Association of EEE department organized an Industrial Visit for III<sup>rd</sup> year students at **Kudankulam Nuclear Power Plant, Kudankulam** On 11.12.2019.



Association of EEE department organized an Industrial Visit for II<sup>nd</sup> year students at **Lucas TVS, Pondicherry** 28.02.2020.

### **Internship**

Second year EEE students undergone internship training at Hitaje India Pumps Division, Coimbatore and Armada Industrial Automation, Thanjavur from 17.12.2020 To 31.12.2020.

### **Workshop/Conference**



P.Srinivasan, Principal of our institution organized **ISRO week festival students exhibition program** for the students 21.2.2020.

## Faculty Development/Training

### Activities

- *Mr.M.Durai, HOD and Mrs.A Archana Lecturer EEE participated 6 days program of “INDUSTRIAL ELECTRONICS & ARTIFICIAL INTELLIGENCE” organized by P.T.R COLLEGE OF ENGINEERING & TECHNOLOGY, MADURAI from 17.02.2020 to 22.02.2020.*
- *Mr.S.Annamalai and Mrs.A.Arunkumar Lecturer EEE participated 6 days program of “INTERNET OF THINGS” Organized By DR.G.U.POPE COLLEGE OF ENGINEERING, TUTICORIN from 02.03.2020 to 07.03.2020.*

### Expert Lectures for students

- *Mr.M.Sathishkumarace Tech, Chennai delivered 2 days state level guest lecture about “Stress Management” from 16-12-2019 to 17-12-2019.*
- *Ms.G.Elakkiya, Lecturer, Dr Kalam Polytechnic College delivered 2 days state level guest lecture about “Creative Thinking” from 20-01-2020 to 21-01-2020.*
- *Mr.Dinesh, Assistant Professor, ARJ College Of Engineering & Technology, Mannargudi delivered 2 days state level guest lecture about “Personality Development” from 3-2-2020 to 04-02-2020.*
- *Mr.Vaikundarajan, Human Resource, Linga Instruments Pvt Ltd delivered 2 days state level guest lecture about “Soft Skill & Industry Awareness” from 15-02-2020 to 16-02-2020.*
- *Ms.M.Sharmila, Assistant Professor, Periyar delivered 2 days state level guest lecture about “Team Building” from 02-03-2020 to 03-03-2020.*

## Students Achievement

- *P.Arjun of II year EEE participated in **Inter-institute Volley Ball match** at DR Kalam Polytechnic College, Aavanam and **won 3<sup>RD</sup> Place** on 20-1-2020.*
- *M Sharseelan II year EEE participated in **Inter-institute Western Classic dance** at Annai Polytechnic College on 20-01-2020 and won **Second Place**.*
- *M Sharseelan, II year EEE participated in **Inter-institute Folk Dance** at Bharathiyar College Of Engineering & Technology on 15.02.2019 and **won 3<sup>RD</sup> Place**.*
- *Manikanda Prabu A and Nivash V of III EEE participated in **paper presentation** at Thiagarajar Polytechnic College, Salem on 07-02-2020 and **won Second Prize**.*

### Board Exam Toppers

SEMESTER	NAME	RANK
IV	SRIRAM.B	I
	ASWIN.R	II
	HARIHARASUDHAN N	III
VI	K PAVITHRA	I
	K PRAVEEN	II
	S SATHISHKUMAR	III