

PATTUKKOTTAI POLYTECHNIC COLLEGE

(Estd. 1983 – Govt. Aided – AICTE Approved Institution)
(An ISO 9001 : 2008 Certified Institution)
Website: www.ppc-india.org
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NEWSLETTER

DEPARTMENT OF MECHATRONICS ENGINEERING

(2021-2022) EVEN SEMESTER

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A.Sivarama Krishnan B.E., Lecturer	M.Vignesh
A.Manikandan, B.E., Lecturer	III rd Year Mct Students

CORRESPONDENT MESSAGE



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 meets with greater and respected position in our society.

PRINCIPAL MESSAGE



Success is achieved through determined effort. When you are determined to success you will do your best. When others see how hard you are working, they will help you and do whatever they can help to you achieve your goal. When you are determined to succeed you develop and progress, even if the result is not what was expected.

I congratulate and wish the team for all very best.

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 THE DEPARTMENT

To impart value based education to the students of Diploma in Mechatronics Engineering by developing their core competencies, technical, societal and ethical perception, thereby leading to an efficacious career or self employed.

MISSION OF THE DEPARTMENT

- M1.** To enhance teaching learning experience through modern teaching methodologies, self learning and Institute – Industry Interaction.
- M2.** To equip the students according to global needs of society to become innovators or entrepreneurs or professionals.
- M3.** To empower the students for enhanced performance through continuous learning.
- M4.** To inculcate moral and ethical values and focus on students' overall development

ABOUT THE DEPARTMENT


Mechatronics also called mechatronics engineering is an interdisciplinary branch of engineering that focuses on the integration of mechanical, electronic and electrical engineering systems and also includes a combination of robotics, electronics, computer science, telecommunications systems, control and product engineering.

In fact, the term mechatronics is a fusion of mechanical and electronics engineering. That tells you that this kind of technology entails integration of both mechanical and electronics engineering concepts into a compact system.

Demand for Mechatronics Engineers is expected to go up, with an expected 19,920 new jobs filled by 2029. This represents an annual increase of 1.45 percent over the next few years.

There are currently an estimated 132,500 mechatronics engineers in the United States. The mechatronics engineer job market is expected to grow by 6.4% between 2016 and 2026.

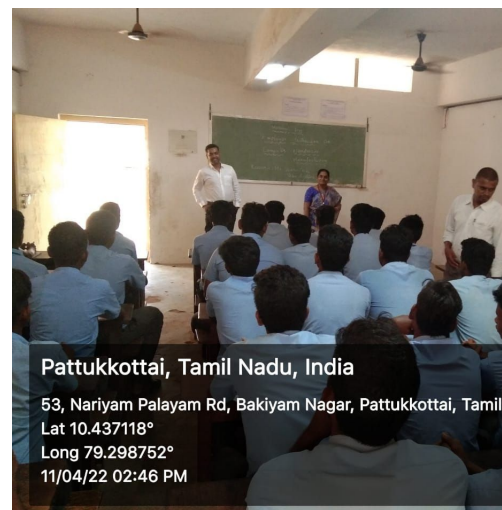
LIST OF FACULTIES:

Name	Photo	Designation	Academic Qualifications
K.Meenakshi Sundaram		Head of the Department	B.E., MBA.,
K.Kalpana		Lecturer	M.E.,
V.Dhaya		Lecturer	M.Tech.,
A.Manikandan		Lecturer	B.E.,
A.Sivaramakrishnan		Lecturer	B.E.,

DEPARTMENT ACTIVITIES:

GUEST LECTURER: 1

S.NO .	Name of the Resource Person	Title of the Seminar	Date	Analysis of this program
1.	Mr. VENKATESH, VEBA SYSTEMS, CHENNAI	RECENT TECHNOLOGY E VEHICLE	11.04.2022	They gather the knowledge about EVs will have a very important role in Smart cities, along with shared mobility, public transport, etc. Therefore, more efforts to facilitate the charging process and to improve batteries are needed. The main drawback of the EVs is their autonomy. However, researchers are working on improved battery technologies to increase driving range and decrease charging time, weight, and cost. These factors will ultimately determine the future of EVs.



SEMINAR 1. RECENT TECHNOLOGY E VEHICLE

FACULTY SEMINAR



College Mission vision and the Department Mission Vision explained by K.Kalpana for even semester students in front of the NBA coordinator and all departments HOD's.

INDUSTRIAL VISIT



Even Semester Students are Industrial visit Mass Solar, Coimbatore

PARENTS TEACHER MEETING



The department of Mct organizes “Parent-Teacher Meet” that serves as connection platform for the parents, teachers and the students, it is a platform for sharing the suggestions that helps in improving our students progress. 75 parents attend the meeting.

STUDENTS ACHIEVEMENT

TOPPERS LIST



M ADHITHYAN

I RANK



M.VIGNSH

II RANK



J PREVEEN KUMAR

III RANK



A HARIVENDHAN

IV RAN

PAPER PRESENTATION

SL.NO.	DATE	TITLE OF THE PAPER	STUDENTS	YEAR / SEMESTER	CONDUCTED BY
1.	15.06.2022	Automation Studio	S.SANJAYKUMAR S.SENTHILKUMAR	III/VI	JANNTICS INDIA WEBMINAR ONLINE

PROJECT WORK SUBMISSION

SL NO	TITLE OF THE PROJECT	NAME OF THE GUIDE	STUDENT TEAM LEADER	NUMBER OF STUDENTS
1.	Digital Data Based Load Sharing Of Generator	K.Meenakshi Sundaram	S.Sailendra Babu	06
2.	Information Display Board Using Microcontroller For Factories	A.Manikandan	P.Sanjaikumar	06
3.	Online Employee Attendance For Industries Using Microcontroller	K.Kalpana	M.Adhithyan	05
4.	Android Controlled Ac Power Appliances	V.Dhaya	K.Harivendhan	06
5.	Marine Border Safety Alert And Controlled Robot	K.Kalpana	J.Praveenkumar	06
6.	Automatic Traffic Controller For Ambulance & Vip Vehicles	V.Dhaya	A.Harivendhan	06
7.	Advanced Vending Machine For Railway Station	A.Sivaramakrishnan	M.Vignesh	05
8.	Automatic Medicine Issuing Equipment For Uncared Patient	K.Meenakshi Sundaram	S.Selvakumar	06