

# 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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## NEWSLETTER

### DEPARTMENT OF MECHATRONICS ENGINEERING (2022-2023) ODD SEM

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#### News Letter Editorial Team

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A.Manikandan, B.E., Lecturer	III rd Year Mct Students
A.sivarama Krishnan, B.E., Lecturer	
J.sudha., B.E., Lecturer	

## **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.

Sl.No	Name	Designation	Academic Qualifications
1	K.Meenakshi Sundaram	Head of the Department	B.E., MBA.,
2	K.Kalpana	Lecturer	M.E.,
3	V.Dhaya	Lecturer	M.Tech.,
4	A.Manikandan	Lecturer	B.E.,
5	A.Sivaramakrishnan	Lecturer	B.E.,
6	J.sudha	Lecturer	B.E.,

## DEPARTMENT ACTIVITIES:

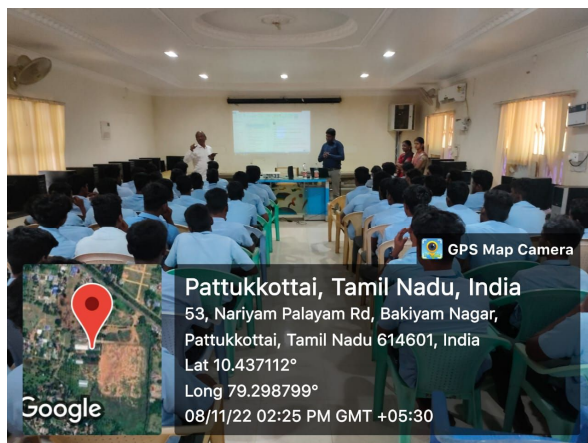
### GUEST LECTURER

S.NO	Name of the Resource Person	Title of the Seminar	Date	Analysis of this program
1.	MR.J.GUNALAN ASST.MANAGER- PROJECT DIVISION, INTECH SYSTEMS CHENNAI PVT LTD, CHENNAI	INDUSTRIAL AUTOMATION BUSINESS	08.11.2022	You'll have opportunities to advance your studies and become a leader in robotics and industrial automation through multidisciplinary and translational research. Alongside faculty advisors and fellow students, you'll apply principles and theories to research models that could impact our understanding of new technologies and their effects.
2.	MR.V.RAAJU CENTRE HEAD, CADD CENTER, PATTUKKOTTAI	CAREER OPPORTUNITIES IN MECHANICAL ENGINEERING	27.09.2022	Mechanical Engineering formally emerged as a discipline in the 18th century during the Industrial Revolution. However, for all intents and purposes, Leonardo DaVinci would have been a mechanical engineer if he was living today. In fact, the origin of Mechanical Engineering can be traced to the invention of simple machines such as wheels, levers, wedges, or ramps. Mechanical Engineers play a critical part in the development of any machine that we see around us.

## SEMINAR 1. : INDUSTRIAL AUTOMATION BUSINESS



## SEMINAR 2. : CAREER OPPORTUNITIES IN MECHANICAL ENGINEERING



## FACULTY SEMINAR



College Mission vision and the Department Mission Vision explained by K.Kalpana, Lecturer, MCT for both semester students .

## INDUSTRIAL VISIT



Odd Semester Students are visit the Prim Engineering, Manufacturing of Precision Parts, 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



**K.VEERASELVAM**

**I RANK**



**K.ARAVINTHAN**

**II RANK**



**M.SIVAPRAKASH**

**III RANK**



**R.NAFEESDHEEN**

**IV RANK**



## STUDENT PROJECT PROPOSALS APPROVED FOR FINAL SEMESTER

SL NO	TITLE OF THE PROJECT	NAME OF THE GUIDE	STUDENT TEAM LEADER	NUMBER OF STUDENTS
1.	Automatic sealing machine for industries	K.Meenakshi Sundaram	C.Hariharan	06
2.	Reverse breaking system	A.Manikandan	M.Vimalesh	05
3.	Dam shutter controller based water level	K.Kalpana	C.Shivashankar	06
4.	Circular car parking for metro mall	V.Dhaya	S.Afsar mohideen	06
5.	Rain based wiper operated system	J.Sudha	P.Abinesh	05