

PATTUKKOTTAI POLYTECHNIC COLLEGE

(Estd. 1983 – Govt. Aided – AICTE Approved Institution)
(An ISO 9001 : 2008 Certified Institution)
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NEWSLETTER

DEPARTMENT OF MECHATRONICS ENGINEERING (2019-2020) EVEN SEMESTER

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News Letter Editorial Team

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M.Ajitha B.E., M.Tech., Lecturer	III rd Year Mct Students
P.Rajarethinam M.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	R.Narasimman	Lecturer	M.E,
4	V.Dhaya	Lecturer	B.E., M.Tech.,
5	M.Ajitha	Lecturer	B.E., M.Tech.,
6	P.Rajarethinam	Lecturer	B.E.,

DEPARTMENT ACTIVITIES:

GUEST LECTURER

S.N O.	Name of the Resource Person	Title of the Seminar	Date	Analysis of this program
1.	Mr.K.Rajesh Kumar (Sr.Eng), Cadd Centre ,Chennai	Trends On Industrial Environment	23.01.202 0	about the factors affect the business of a company and processes that function in the company surroundings and then summarized the challenges and rapid technological advancement to overcome the issues.66 No.'s of the students attend the Program.
	Mr.K.Rajesh Kumar (Sr.Eng), Cadd Centre ,Chennai.	Trends On Creo Parametric Concepts	28.01.202 0	Program about overview of flexible CAD 3D modeling software capabilities to accelerate the design of parts and assemblies.The second session of seminar was all about the generation design and real-time simulation. He discussed about the current realistic visual representation of designs and then summarized the breakthrough capabilities in additive manufacturing,IoT,model-based definition (MBD) and Agumented reality (AR).

SEMINAR 1 : SEMINARS ON TRENDS ON INDUSTRIAL ENVIRONMENT



SEMINAR 2 : TRENDS ON CREO PARAMETRIC CONCEPTS



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. 133 parents attend the meeting.

INDUSTRIAL VISIT



Odd Semester Students are visit The HindustanTransformer, Coimbatore.

STUDENTS ACHIEVEMENT

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TOPPERS LIST IN THE BOARD EXAM

SL.NO.	STUDENT NAME	RANK
1	KABILAN C	I RANK
2	SRIRAM P	II RANK
3	MATHAVAN C	III RANK
4	SANTHOSH L	IV RANK

PROJECT WORK SUBMISSION

SL NO	TITLE OF THE PROJECT	NAME OF THE GUIDE	STUDENT TEAM LEADER	NUMBER OF STUDENTS
1.	Variable Speed And Horn Control At School And Hospital Zone	K.Meenakshi Sundaram	N.Abimanyu	06
2	Underground Mines Accident Rescue System		K.Deenadhayalan	06
3.	Advanced Solar Tracking System For Irrigation Pumps	K.Kalpana	S.Vignesh	06
4	Production Material Counting Equipment For Factories		U.Karthikeyan	06
5.	Cash Free Toll Gate System For Highways	R.Narasimman	P.Arunkumar	06
6	Automatic Timing Alert For Industries & Factories		U.Manojkumar	06
7	Energy Saver For Auditoriums		K.Kabilan	06
8.	Implementation Of Security Control For Batteries In Industries	V.Dhaya	M.Karthik	06
9	Automatic Ration Material Issuing Equipment Using Smart Card		S.Vigneshwaran	06
10	Conveyor Motor Speed Control Using Bluetooth Technology		M.Mathavan	06
11	Ultrasonic Based Vehicle Packing Guidance System	M.Ajitha	G.Sivasurya	06
12	Human Surveillance Help For Police		R.Bharathisriram	06