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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Department of Mechatranics Engineering

NEWSLETTER

DEPARTMENT OF MECHATRONICS ENGINEERING

(2020 – 2021) ODD SEMESTER

CONTENT

News Letter Editorial Team	
K.Meenakshi Sundaram B.E., MBA.,	Arivazhagan P
HOD/MCT	Palanibharathi M
K.Kalpana M.E., Lecturer	Pradeep S
V.Dhaya M.Tech., Lecturer	Siva A
R.Narasimman .,M.E., Lecturer	III rd Year Mct Students
M.Ajitha, M.Tech., 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	M.Tech.,
5	M.Ajitha	Lecturer	M.Tech.,

FACULTY SEMINAR

College Mission vision and the Department Mission Vision explained by K.Meenakshi Sundaram for both second and third year students.

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. 103 parents attend the meeting.

STUDENTS ACHIEVEMENT

TOPPERS LIST IN THE BOARD EXAM

SL.NO.	STUDENT NAME	RANK
1	KULOTHUNGAN D	I RANK
2	PRAVEENKUMAR S	II RANK
3	SUDARSAN M	III RANK
4	ARIVAZHAGAN P	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.	DESIGN OPTIMIZATION OF TRIAC – DIMMABLE AC –DC CONVERTER IN LED LIGHTING	R.NARASIMMAN	A.ESWAR	06
2.	ADVANCED WIRELESS BANK SECURITY SYSTEM USING LDR	K.MEENAKSHI SUNDARAM	S.AJAYADHITHAN	06
3.	AUTOMATIC STATION NAME DISPLAY IN METRO - TRAIN USING RF	R.NARASIMMAN	A.K.PRAVEEN	06
4.	SPRINKLER IRRIGATION BY ROBOT USING SOLAR ENERGY	K.MEENAKSHI SUNDARAM	K.ARUNJOTHI	06
5.	INTENSITY CONTROL OF STREET LIGHT FOR VEHICLE PRESENCE	V.DHAYA	S.PRAVEEN KUMAR	06
6.	MACHINE OVERHEAT DETECTION AND ALERTING	K.KALPANA	R.NAVEEN	06
7.	ADVANCED DEVICE CONTROL BY GSM TECHNOLOGY	K.MEENAKSHI SUNDARAM	A.ARIVUDURAI	06
8.	SAFE DRIVING WITH WITHOUT HELMET USING WIRELESS TECHNOLOGY	M.AJITHA	V.MANOJ	06
9	AUTOMATIC CAMERA POSITION CONTROL USING PWM	K.KALPANA	S.NIRANJANAN	06
10	AMBULANCE BASED RESCUE CONTROL SYSTEM	M.AJITHA	A.SIVA	05
11	HI-TECH AUTOMATED COLLEGE WITH ATTENDANCE CIRCULAR CARRYING ROBOT	V.DHAYA	M.ARUN KUMR	05