

## MCT

### 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

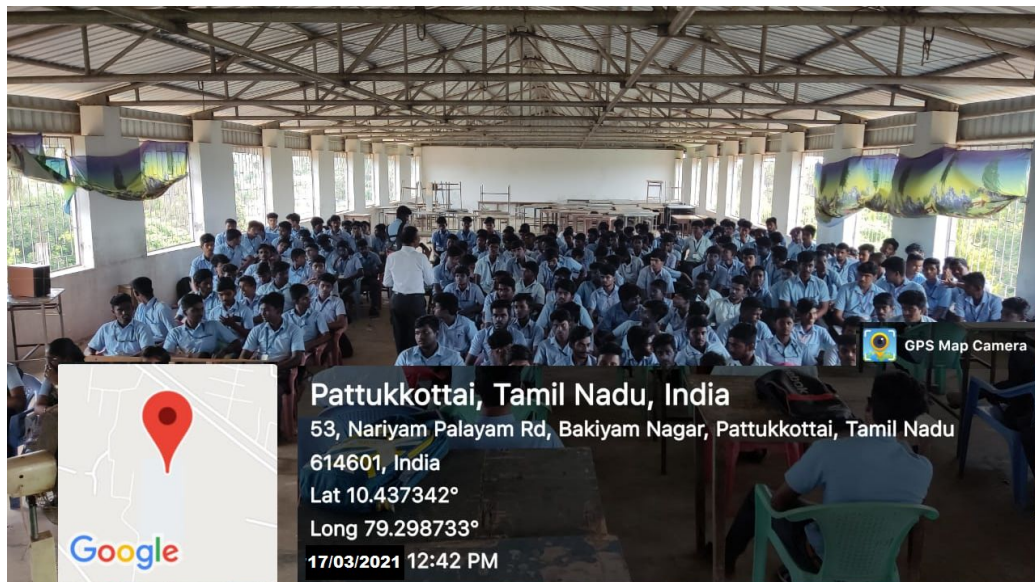
**DEPARTMENT ACTIVITIES:**

**GUEST LECTURER**

<b>S.NO .</b>	<b>Name of the Resource Person</b>	<b>Title of the Seminar</b>	<b>Date</b>	<b>Analysis of this program</b>
1.	Mr. R. Praveen , production Associate, FORD india.	Role Of Mechatronics Engineering In Industries	29.01.2021	They use their knowledge of mechanical engineering, electronics, and computer science to create systems that can perform complex tasks and also gather to testing and validation, maintenance and support
2	Mr. S. Sukumar, Assistant Professor/ Mechanical, PRPC, Thanjavur	Application of Instrument used in Industry	17.03.2021	Instrumentation and control refer to the analysis, measurement, and control of industrial process variables using process control instruments and software tools such as temperature, pressure, flow, and level sensors, analyzers, electrical and mechanical actuators, Human-Machine Interfaces , Piping.



## SEMINAR: 1 ROLE OF MECHATRONICS ENGINEERING IN INDUSTRIES



## SEMINAR 2 : APPLICATION OF INSTRUMENT USED IN INDUSTRY

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## PAPER PRESENTATION

SL. NO.	DATE	TITLE OF THE PAPER	STUDENTS	YEAR / SEMESTER	CONDUCTED BY
1.	01-02-2021	DIGITAL TRANSFORMATION	M.SUDARSAN S.SANTHOSH	III/V	ADHIYAMAAN COLLEGE HOSUR
2.	01-02-2021	TECHNOLOGY NOW AND THEN	S.PRADEEP M.MARKABEL	III/V	
3.	01-02-2021	TECHNOLOGY NOW AND THEN	V.ELAKIYAVENDHAN S.VIGNESH	II/III	
4	01-02-2021	INNOVATION FOR DEVELOPMENT OF SOCIETY	R.MUKESH KANNA C.MUHILAN	II/III	
5	01-02-2021	DIGITAL TRANSFORMATION	B.SUNDAR D.KIRUBANITHI	II/III	
6	15-02-2021	LED TECHNOLOGY	M.SUDARSAN M.PAZHANIBHARATHI	III/V	RANE POLYTECHNIC TRICHY
7	15-02-2021	LED TECHNOLOGY	S.PRADEEP S.SANTHOSH	III/V	

## PROJECT SUBMISSION

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