

ORGANIZING COMMITTEE

CHIEF PATRON Mr.T.J.Jeyakumar M.B.A., Secretary.

PATRON Dr. K.Sarukesi.,Dean,

Dr.Anant Achary.,Principal,

CONVENOR Dr.K.Kannan.,ASP & Head / MTRE.

COORDINATOR Mr.G.Sakthivel.,AP/ MTRE.

VENUE: KAMARAJ-SMC PNEUMATICS CENTRE FOR EXCELLENCE

Resource Persons

Dr.K.Kannan,Associate Professor & Head/ MTR Engg.

Mrs.C.Nagavani,Assistant Professor / ECE

Mrs.M.Rajagomathi,Assistant Professor / EEE

Date: 08/09/17,09/09/17,21/09/17,22/09/17,23/09/17 & 30/09/17



DEPARTMENT OF MECHATRONICS ENGINEERING

**VALUE ADDED COURSE ON
EMBEDDED SYSTEM& ROBOTICS USING FIREBIRD PLATFORM**



Scope of the Programme

The Objective of the programme is to endow the participants with the latest information apart from the regular syllabus to have an overall thought about the embedded system & robotics using firebird platform for better understanding.

Eligibility:

Open for all UG – II, III Year & IV Year.

Duration:42 hrs

Course Contents

Introduction to Embedded Systems
Components of Embedded system
Hardware & Software
Introduction to Hardware -Fire Bird ATMEGA 2560
Visit to Robotics Laboratory
Project Contest

Course Outcome

Upon successful completion of this course

- Students are able to demonstrate their skills in Embedded systems and Robotics
- Become aware of the architecture of various processor and its programming aspects.
- Design real time embedded systems using the concepts of RTOS.

About the College

Kamaraj College of Engineering & Technology, a self financing institution offers Quality Technical Education over a decade. This institution has been approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University. The college offers 10 UG and 9 PG programmes and 6 research centres in Engineering and Technology. The institute focuses on multi-disciplinary skills of students endorsed with industry institute interaction. The College is located in Virudhunagar district. It is nearer to many places namely Madurai, Arrupukottai, Sivakasi and Sattur. The college campus is at a distance of 40 kms from Madurai and 10 kms from Virudhunagar.

About the Department

The Department of Mechatronics was started in the year 2014. The Department is nourished with the latest equipments and computing facilities with latest version of software's namely, ANSYS, SOLIDWORKS, AUTOMATOIN STUDIO, Femap NASTRAN, NX CAD/CAM/CAE etc.,

DEPARTMENT VISION

To make the Department of Mechatronics Engineering a unique of its kind in the field of Research and Development towards Industrial Automation & Robotics.

DEPARTMENT MISSION

To impart highly innovative and technical knowledge in Mechatronics Engineering to the urban and unreachable rural students folks through "Total Quality Education".