

Editorial Board:

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VISION OF THE INSTITUTE

We develop a globally competitive workforce and entrepreneurs.

MISSION

Dr. Mahalingam College of Engineering and Technology, Pollachi endeavors to impart high quality, competency based technical education in Engineering and Technology to the younger generation with the required skills and abilities to face the challenging needs of the industry around the globe. This institution is also striving hard to attain a unique status in the international level by means of infrastructure, state-of-the-art computer facilities and techniques

DEPARTMENT VISION

To develop globally competent instrumentation engineers and entrepreneurs with societal, environmental and human values.

DEPARTMENT MISSION

Supportive Learning Environment: Provide suitable learning environment to the graduates with innovative learning resources and adequate infrastructure.

Engineering Skills: Enhance electronic, instrumentation and automation skills of the engineering graduates to fulfil the industrial requirements.

Sustainable and Eco-Friendly: Create awareness among the graduates for sustainable, eco friendly products and safety standards.

Ethical and Professional Responsibility: Enrich continuous learning, communicative, collaborative and administrative skills of the engineering graduates to become ethical, social responsible engineers and entrepreneurs

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The graduates will:

PEO1. Technical Knowledge Actively apply technical and professional skills in engineering practices towards the progress of the organization in competitive and dynamic environment.

PEO2. Higher studies and Research Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge

PEO3. Professional and Ethical knowledge Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

PROGRAMME OUTCOME (POs)

PO.1.Engineering Knowledge: Apply the knowledge of Mathematics, Science and engineering to solve problems in the field of Electronics & Instrumentation Engineering.

PO.2.Problem Analysis: Identify, formulate/model, analyse and solve complex problems in the field of Electronics & Instrumentation Engineering.

PO.3.Design and Development: Design an electronic system/component, or process to meet specific purpose with due consideration for economic, environmental, social, political, ethical, health and safety issues.

PO.4.Conduct Investigations: Design and conduct experiment, analyse and interpret data to provide valid conclusions in the field of Electronics and Instrumentation Engineering.

PO.5.Modern Tool Usage: Apply appropriate techniques and modern software tools for design and analysis of Electronic systems with specified constraints.

PO.6.Engineer and Society: Apply contextual knowledge to provide engineering solutions with societal, professional & environmental responsibilities

PO.7.Environment and Sustainability: Provide sustainable solutions within societal and environmental contexts for problems related to Electronics & Instrumentation Engineering.

PO.8.Ethics: Comply with code of conduct and professional ethics in engineering practices

PO.9Individual and Team work: Perform effectively as a member/leader in multidisciplinary teams.

PO.10.Communication: Communicate effectively to engineering community and society with proper aids and documents.

PO.11.Project Management & Finance: Demonstrate knowledge and understanding of the engineering and management principles to manage projects in multidisciplinary environment.

PO.12.Lifelong Learning: Recognise the need for, and have the ability to engage in independent and lifelong learning.

PROGRAMME SPECIFIC OUTCOMES(PSOs)

(PSO1).Instrument Analysis Analyze and monitor the characteristics of electronic measuring instruments to ensure performance, safety and quality of the processes

(PSO2).Controller Selection Select the suitable instruments, control schemes and controllers as per the requirements

Workshops organized

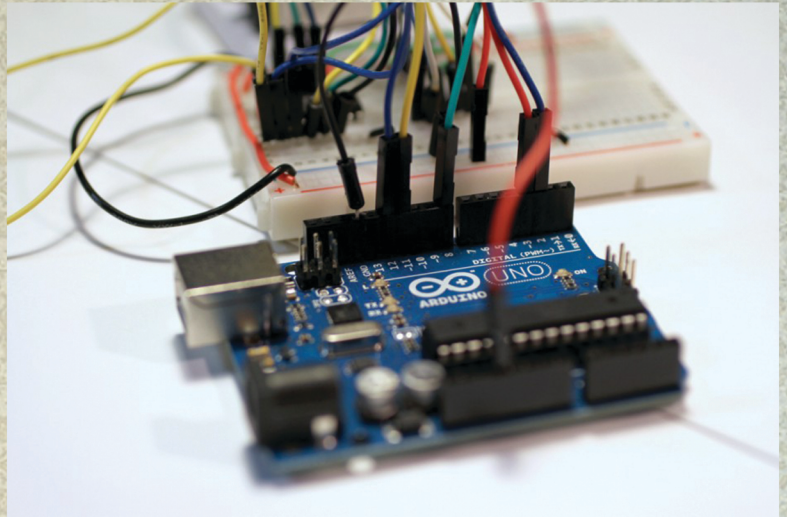
One day workshop on “Hands on Training in Arduino” | 24.01.2015

Convener

Mr. L. Jagadeeshwaran,
IMIK Technologies

Coordinators

Ms. S. Sathya, AP/EIE
Ms. S. Kavitha , AP/EIE



25 participants participated in this Workshop. Arduino refers to an open-source electronics platform or board and the software used to program it. Arduino is designed to make electronics more accessible to artists, designers, hobbyists and anyone interested in creating interactive objects or environments. Arduino can be used to develop interactive objects, taking inputs from a variety of switches or sensors, and controlling a variety of lights, motors, and other physical outputs. Arduino projects can be stand-alone, or they can communicate with software running on the computer (e.g. Flash, Processing, MaxMSP.) The workshop is suitable for beginners to create applications in embedded platform. This workshop with hands on training in Arduino hardware, software sensor interfacing. The participants will be able to interface Arduino with LabVIEW, Matlab and develop their own industrial applications.

Events

Automation Day – Paper Presentation Event & Automation Contest | 24.03.2015

Coordinators

Mr.M.Balaji, AP(SS)/EIE,
Mr.T.S.Srinivasan, AP/EIE

Automation Day was celebrated by the ISA MCET section on 24th March 2015. ISA-MCET section was started in 2012 with 150 students of EIE & ICE. It is one of the forums in MCET which is known for its assiduous work in AUTOMATION. It organizes lots of events to emphasize young minds with the skills of automation Events. For this automation day the events like project presentation, paper presentation and technical quiz has been conducted. More than 50 participated in the various events of this contest.



Article Presentation-“Talent Time and off the Cuff” 12.02.2015

This Article presentation was coordinated by Dr.V.Lakshmi Narayanan, HoD/EIE. More than 100 participated in this event.

Automation Day | 16.04..2014

Coordinators

Mr. M. Balaji, AP(SS) / EIE

Mr. T. S. Srinivasan, AP / EIE



Automation Day was celebrated by the ISA MCET section on 16th April 2014.

ISA-MCET section was started in 2012 with 150 students of EIE & ICE. It is one of the forums in MCET which is known for its assiduous work in AUTOMATION. It organizes lots of events to emphasize young minds with the skills of automation Events. For this automation day the inter college events like project presentation, paper presentation and technical quiz has been conducted. Paper topics were on Automation in automobiles, Conventional energy system, Artificial intelligence and Expert systems, Wireless automated system, Fuzzy logic Systems in automation, PLC / SCADA / DCS, Process automation and Industrial instrumentation. The first place was grabbed for the paper titled "Auto Car disable system for drunk and drive."

Technical Lecture on "Industrial Automation" 27.01.2014

Mr D Kannan explained Industrial Automation is the conversion of a work process, a procedure, or equipment to automatic rather than human operation or control. Industrial Automation does not simply transfer human functions to machines, but involves a deep reorganization of the work process, during which both the human and the machine functions are redefined. He also explained that Industrial automation is the use of control devices such as PC/PLCs/PACs etc. to control industrial processes and machinery by replacing as much as possible labour intervention and dangerous assembly operations with automated ones.

Guest:

Mr.D.Kannan,
Proprietor- MAXX Equipments Pvt
Ltd



STUDENT ACHIEVEMENTS

Co curricular

S.NO	Name	Contest	Date	Venue	Awards
1	S. Dhivyalakshmi A. Veerambiga	National Level Quiz event	07.02.15	Karpagam College of Engineering, Coimbatore	I prize
2	S. Dhivyalakshmi A. Veerambiga	National Level Paper Presentation event	20.02.15	Madras Institute of Technology, Chennai	I prize
3	K.Saravanakumar	Programme Debugging Contest	10.04.15	Bannari Amman Institute of Engineering, Satiyamangalam	III Prize
4	G. Arun M. Sathish Kumar S. Karthik Kumar	project presentation on topic" Bluetooth Controlled Home Automation"	07.02.2015	Sengunthar College of Engineering, Erode	I prize
5	K.M. Saravanasudan	Circuit Design Contest	19.3.15 & 20.3.15	SNS college of technology, Coimbatore	III Prize
6	K.M. Saravanasudan	Programme Debugging Contest	19.3.15 & 20.3.15		I prize
7	I. Deepthi	Circuit Design Contest	9.4.15 & 10.4.15		I prize
8	I. Deepthi, N. Vishnu pavithra	Project presentation	9.4.15 & 10.4.15		I prize
9	I. Deepthi	Programme Debugging Contest	9.4.15 & 10.4.15		III Prize
10	I. Deepthi, N. Vishnu pavithra	Paper presentation	19.3.15 & 20.3.15		III Prize
11	N. Vishnu pavithra	Circuit Design Contest	9.4.15 & 10.4.15	III Prize	

Paper Presented

S.No	Student's Name	Branch and Department	Title of Paper Presented	Organizer and Place of program	Date
1	K. Sneha B. Sathya	III year & EIE	Health Monitoring System using Zigbee Technology	Hindusthan College of Engineering and Technology	16.03.2015
2	S. Anjana S. Pavithra	III year & EIE	Anti HIV using Nano Robots	Government College of Technology, Coimbatore	19.03.2015 & 20.03.2015
3	M. Jaisri S. S. Nandhini Priya	III year & EIE	Anti HIV using Nano Technology	SNS College of Technology, Coimbatore	19.03.2015 & 20.03.2015

STUDENT ACHIEVEMENTS

NSS/NCC

Name of the Students	Degree Studying	Branch	Programmes Organized / Conducted / Participated	Venue	Date (s)
Parthiv Ajay. V. T Menaka. K	B.E	EIE - III year	Went to NSS camp	Govt, School, Kanjampatti	18.02.2015 to 24.02.2015
Deepthi. I Vishnu Pavithra Naveen Kumar. N Manikandan Vaithiyanathan	B.E	EIE - II year	Went to NSS camp	Govt, School, Kanjampatti	18.02.2015 to 24.02.2015

SPORTS

S.No	Students Name	Year & Dept.	Events Details	Awards / Medals (if any)	Date of the Event
1	K. S. Minavathi	II EIE	Runner in ball badminton in Sakthi Institutions Inter Collegiate Athletic Association Tournament (SICAA - 2015) at Vanavarayar Institute of Agriculture, Coimbatore	Runner	09.03.2015 To 14.03.2015
2	K. Preethiga N. Vishnu Pavithra S. Mythili	II EIE	Winner in basket ball in Sakthi Institutions Inter Collegiate Athletic Association Tournament (SICAA - 2015) at Vanavarayar Institute of Agriculture, Coimbatore	Winner	09.03.2015 To 14.03.2015