

Editorial Board:

Editor :

Dr.V.Lakshmi Narayanan

Members:

Mr.M.Balaji

Ms.M.Deeparani

Mr.T.KarthickKumar

Inside This Issue

- Workshops/
Seminars Organized
- Student achievements
- Faculty publications and participation
- Industrial Tours and IIPC activities

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.9.Individual 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

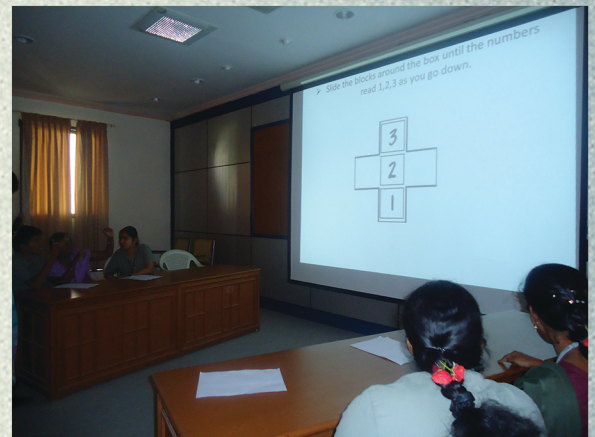
(PSO2).Controller Selection Select the suitable instruments, control schemes and controllers as per the requirements

EMS Industries

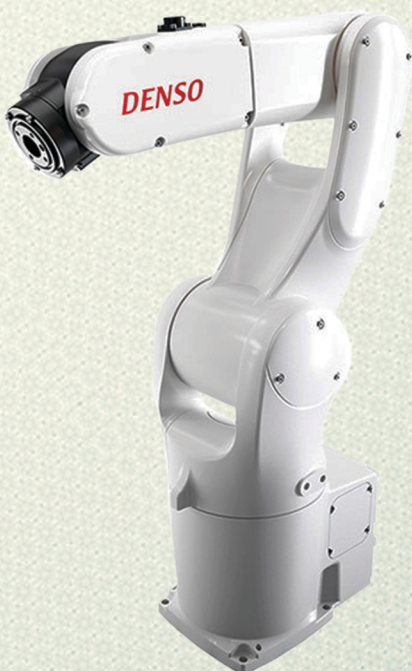
A guest lecture on the topic of “EMS Industries” was delivered by Er. B. Prasanna Venkatesan, Buyer specialist, Flextronics India Pvt. Ltd, Chennai during the inauguration of department association, ELINSTA and the ISA – MCET section on 13.07.2015. Various activities of the EMS industries like testing, manufacturing, distribution, and providing return/repair services for electronic components and assemblies for original equipment manufacturers (OEMs) were portrayed.

VIKTORINA

Technical Events like Visual Hunt, Project presentation, Puzzle , Just a minute, Technical Quiz, Picture Story and Situation Task were conducted under the event of 'VIKTORINA' on 29.08.2015. The function was moderated by Mr.T.S.Srinivasan, AP/EIE and was headed by Dr.V.Lakshmi narayanan, HOD/EIE. All the students of EIE took part in this event. The event was a platform to bring many of he technical skills and talents into limelight. At the end of the event ,the winners of various contests were rewarded with attractive prizes .



DENSO Industrial Robots | 22.09.2015



Mr. S. Sathish Kumar, Executive Engineer from AA TekRobo Private Limited, Coimbatore explained about the Industrial Robots. The industrial robots with a manipulator, designed to move materials, parts and tools, and performing a variety of programmed tasks in manufacturing and production sectors were explained. Further, he emphasized that the industrial robots are the reshapers in the manufacturing industries and often used to perform hazardous tasks and unsuitable for human workers. Adding to this, robots being ideal for situations that require error free and high output ranges, thus becoming a common fixture in factories were also portrayed.

FACULTY PUBLICATIONS

S.Kavitha "An artificial intelligence centred multivariate analysis for blood glucose diagnosis" in International Journal of Research and Innovations in Science and Technology, Vol.2, July 2015

T.Gopalakrishnan, S.Ramakrishnan "Image Encryption in Bit Wise and Key Generation using Multiple Chaotic Maps" in Australian Journal Of Basic and Applied Sciences.(ISSN 1991-8178), Vol.9 & Issue 27.pp.200-208, Aug 2015

K.Umamaheswari,T.Manoharan, N.Devarajan "Renewable Energy Based Electrification for Rural Area Education Institutions-A Case Study" in International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.39 2015

FACULTY PARTICIPATION IN FDP/WORKSHOP

S.NO	Name of the Faculty with Designation	Details of Program	Place of Program	Date
1	Mrs. N. Thilagavathi, AP Mrs. M. Rufina Begam, AP	Attended workshop on "Environmental Studies" conducted by IIT Bombay	IIT – B Remote center, MCET	02.06.2015 to 12.06.2015
2	Mrs. N. Thilagavathi, AP Mr. T. S. Srinivasan, AP	Attended Mission 10X workshop conducted by WIPRO	MCET	16.06.2015 to 18.06.2015
3	Dr. V. Lakshminarayanan, HOD Mr. T. G. Gopalakrishnan, AP(SS)	Attended ICTACT 2015 bridge Innovate India- For Make in India- 20 th edition programme	Le Meridian, Coimbatore	26.06.2015
4	Dr.V.Lakshmi narayanan Asso.Prof.& Head	Academic Leadership Workshop by Wipro Mission 10x	Wipro campus Bengaluru	21.07.2015 To24.07.2015
5	Ms.R.Baby Janagam,AP Ms.R.Dhivya,AP	Workshop on Technical Communication(face to face interaction) by IIT - Bombay	IIT remote center- MCET	30.11.15- 5.12.15

STUDENT ACHIEVEMENTS

Co curricular

Date	Name	Event	Venue	Prizes
12.9.15	R.R.Pavitharan	Project Presentation	Erode Sengunthar Engineering College, Erode	III Prize
06.10.15	S. Thenmozhi, S.V. Sumiethraa	Technical Quiz	Kongu Engineering College, Erode	I Prize

Extra curricular

Date	Name	Year	Event & Venue	Prizes
2.9.2015 & 3.9.2015	K.Preethiga S.Mythili N.Vishnu Pavithra	III,EIE	Zone(Basketball),M CET	-
21.9.2015 & 22.9.2015	S.Indhumathi K.Mohanapriya	III,EIE	Interzone (cricket),K.P.R College of Engineering and Technology	-
1.9.2015 & 22.9.2015	M.Manikandan	III,EIE	Zone(Hockey),HCET	I
21.9.2015 & 22.9.2015	K.S.Minavathi	III,EIE	Zone(Ball Batminton),HCET	III

IIPC ACTIVITIES

- 65 Students of 3rd year EIE visited Sakthi Sugars, Aapakudal on 19th August 2015
- 99 Students of EIE students and 4 faculties went on field trip to Sakthi Sugars Ltd., (Diary Division), Pollachi & ABT Industries Ltd., (Soyas Division), Pollachi on 14th September 2015

IPT

Student Name / Total No. of Students	Place of In-plant Training	Period of Training (Date(s))
1. V. Neelamalar 2. K. Mohanapriya 3. Y. Gayathri 4. R. Sandhiya 5. K. Logu Atchaya 6. K. Visalakshi 7. A. Venkateswar	Sakthi Soyas, Pollachi	01.12.2015 to 10.12.2015
1. T.V. Hayasri 2. S. Indhumathi	Besten Pumps, Coimbatore	11.12.2015 to 12.12.2015
1. M. Pavithra 2. S. Muthu Meena 3. K.S. Minavathi 4. R. Yazharasi	Teslead Equipments, Coimbatore	7.12.2015 to 12.12.2015
1. R. Rajpriya	Cross Field Water Purifier	02.12.2015 to 04.12.2015
1. T. Sivaselvi 2. G. Priya	TNPL, Karur	09.12.2015 to 15.12.2015
1. M.S. Dhinesh Kumar 2. C. Suruthi 3. Jeevitha	TNPL, Karur	09.12.2015 to 15.12.2015

NCC Activity

- Prawin K and Paventhan G of fourth year EIE participated in combined annual camp at Tamilnadu Agriculture University, Coimbatore from 1st August to 9th August 2015