

Toc H Institute of Science & Technology, Arakkunnam

Department of Mechanical Engineering

Association Activities

Academic Year 2015-16

Macquinal Activities for the year 2015-16

Smt. K.T. Mariamma, General Manager, FACT Engineering & Design Organization (FEDO), inaugurated the Macquinal activities, for the academic year 2015-16 on 8th August, 2015. Dr. K. Varghese and Er. C.S. Varghese were present on the occasion. The annual newsletter Yantrasarani 2015 was released on this occasion by Dr. K. Varghese and handed over to Smt. K. T. Mariamma. Her keynote address was on Piping Design Opportunities.

The students also organized a photo and book exhibition of Dr. APJ Abdul Kalam on this day, to pay their respects to the great visionary leader



Inauguration of the IIWT Students' Chapter

The TIST Chapter of the Indian Institute of Welding Technology, was inaugurated on the same day. Mr. Jose P Philip, Chairman, IIW Kochi branch inaugurated the chapter. He gave a technical note on Quality of welding joints, necessity of attaining quality and welding quality checking techniques. This is the first student chapter in Kerala



TIST-KITCO Employability Enhancement Program

Due to the lack of availability of skilled force, the industries' find it hard to meet their expectations and grow further. The employability index of engineering students has been declining significantly in the recent times. Taking this into account, the department, together with the IIPC (Industry Institution Partnership Cell) wing of TIST, partnered with KITCO to launch a tailor-made course for the students, to enhance their employability.

This course concentrated more on the HVAC (Heating, Ventilation and Air –Conditioning) module of MEP. The duration of the course was 45 days and the course fee was Rs. 25000. A total of 26 students participated in this program. It was designed with both theory and practical sessions.

The course included basic fundamental theory sessions handled by our own faculty. There were also sessions handled by eminent personalities from various industries. As part of the practical sessions, the students were sent in groups to major KITCO work sites such as Kannur International Airport Ltd. (KIAL), Cochin International Airport Ltd. (CIAL), Meat Products of India, Koothatukulam and Oushadi plant, Thrissur. As part of the completion of the program the students had to complete a project which was evaluated by the KITCO team.



KITCO –HVAC TRAINING May 2nd, 2016



Faculty Development Program

A one week FDP was organized by the Maquinal association on “Finite Element Method” from 23/5/16 – 27/5/16. Dr. Rajesh P Nair, Assistant Professor, Ship Technology, CUSAT took a session on Solid Mechanics and Mr. Nidheesh P, Assistant Professor, TIST, explained the fundamentals of CFD.

Dr. Jayadas N H, Professor, School of Engineering, CUSAT took a session on MATLAB Programming. As part of this FDP, the CAD Centre conducted a workshop on CAD drawing & drafting software.



Technical Talk by ‘The Hindu’

In association with the Institute of Public Enterprise, Hyderabad, a talk was organized by ‘The Hindu’, for the students of the department on 16th October, 2015



Technical Talk by the GATE Forum

A discussion was carried out on how to prepare for the GATE exam by the GATE forum on 10th May, 2015 for the students of semester VII. They also gave an insight to the different courses and possibilities available for those who qualify for the GATE exam



Technopreneur Model June 3rd 2016

Aman Aji Paul of S3ME-A received the Best Technopreneur award for a team event organized at Infopark, Kochi.



Talk on Road Safety, Feb 3rd 2016

An awareness program on Road safety was conducted for the students, in which the Joint RTO Adarsh Kumar gave a talk on the important issues.



HNL Visit by Faculty

As part of the FDP, the staff of the department visited HNL, Velloor and gained information about the rinting process



SOCIAL OUTREACH PROGRAM (SOP)

The Staff and students of the dept, visited several schools and conducted classes and competitions as part of the outreach program, where the school students were given different facets of science and technology. Certain schools in the vicinity of the Institute had also sent their students to the various departments to gain awareness about Engineering Education, and this included, visits to labs and interaction with staff

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No	Date	Venue	Topics under discussion	Faculties involved
1	08-7-2015	Global Public School, Chotanikara	Carrier development, what is engineering scopes and opportunities in engineering	Asst. Prof. Rajesh Kocheril and Asst. Prof. Praveen R
2	20-8-2015	SKPS, Kaduthuruthy		
3	09-9-2015	St.Philominas, Ellanji		
4	14-10-2015	Govt HSS, Kanjiramattom		
5	10-11-2015	Govt HSS, Mulanthuruthy		
6	13-01-2016	Bavens Vidhya Nikedan		
7	15-01-2016	Iringallor HSS Palazhi, Kozhikode	Talk on aero modelling, RC helicopter flying demo, glider competition	Asst. Prof. Shajan K Thomas, Asst. Prof. Deepu Joy
8	18-01-2016	Rani Public School, Vadakara		Asst. Prof. Shajan K Thomsa and Asst. Prof. Nidheesh P
9	18-01-	Memunda HSS		Asst. Prof. Shajan K

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No	Date	Venue	Topics under discussion	Faculties involved
	2016	Mamkunda Vadakara		Thomsa and Asst. Prof. Nidheesh P
10	18-02-2016	Toc H Public School, Vytilla	Carrier development, what is engineering scopes and opportunities in engineering	Asst. Prof. Rajesh Kocheril and Asst. Prof. Praveen R
11	26-02-2016	De-Paul English medium School		



