

Toc H Institute of Science & Technology, Arakkunnam

Department of Mechanical Engineering

Academic Year 2016 – 17

Technical Talk on Aeronautical Engineering

Mr. V. Unnikrishnan, Regional Director (Engines), DRDO, Bangalore on 28/09/16 conducted a technical talk on basics of aeronautical engineering.



Technical Talk on Marine Engineering

On 4/10/16 Mr. Rajesh M, Chief Engineer, Merchant Navy delivered a technical talk on "Role of Marine Engineers on board". As part of his session he covered aspects regarding shipping design, different equipments in ships, propellers used and about dynamic positioning system.



Faculty Development Program 18-23 Nov 2016

One week FDP on “Role of Mechanical Engineers in Manufacturing sector” was organized from 18/11/16 to 23/11/16. The following sessions were carried out on this course.

- Foundry Technologies – Mr. Mathew Issac, CEO, Prism Castings, Coimbatore
- Role & relevance of maintenance for sustenance of industry – Mr. Babu Jose, AGM, FACT
- Latest Trends in Automobile Engineering & Value Engineering- Mr. Arjun Raj, Deputy Manager, R & D, Mahindra & Mahindra, Chennai)

As part of this FDP industrial visits were arranged in HNL, Kottayam and HMT machine Tools, Kalamasserry.



Talk on Cyber Crimes January 17th 2017

A technical talk on Cyber Crimes was conducted for the students of TIST delivered by Civil Police Officer, Mr. Thaihath P. M, SP office, Aluva on 17/01/2017.



Technical Talk on NDT

On 6/3/17 a technical talk on Non –Destructive Testing was conducted by Collimers Pvt Ltd.



Seminar on Design/Reverse Engineering/3D Printing

Mantide Technologies on 9/3/17 explained the features of product designing and a hands on workshop was organized for the students in 3D printing.



LIST OF NATONAL AND INERNATIONAL CONFERENCES ORGANIZED

Sl. No	Name	Date
1	International conference on emerging trends in mechanical engineering (ICETME15).	3rd – 5th September 2015

2	International conference on emerging trends in manufacturing technology (INC@mtTRENDS'12).	5th -6th September 2012
3	National conference on emerging trends in mechanical, safety and fire engineering and management science. (NC@metrends '13)	30th September -1st 2013 October
4	National seminar on Application of Nano Technology in Mechanical Engineering	23rd -24th February 2010

International Conference on Emerging Trends In Mechanical Engineering – ICETME'15

The 2nd International Conference on “Emerging Trends in Mechanical Engineering” (ICETME '15) was held on the serene campus of Toc H Institute of Science & Technology (TIST), Cochin during 3 -5th September, 2015 in association with National Institute of Technology, Surathkal (NITK). The 41 scientific participants had many fruitful discussions and exchanges that contributed to the success of the conference. Participants from 3 countries made the conference truly international in scope. The papers that were presented on the first two days formed the heart of the conference and provided ample opportunity for discussion. The papers were split almost equally between the five main conference verticals, i.e., Aerospace Engineering, Manufacturing Technology, Material Science, Thermal Engineering, and Design Engineering.



All the 41 presented papers are included in this ISBN numbered proceedings volume. There were 5 keynote lectures covering the different areas of the conference: Dr. Shuichi Torrii (Kumamoto University) from Japan talked on production and transfer technologies for global warming suppression. Dr. Ruwan Gopura (Moratuwa University) from Srilanka on development of novel mechanisms for upper-limb prostheses, Dr. C. Lakshmana Rao (Indian Institute of Technology), Madras on energy absorption of crash tubes and bumper system using high strength aluminum alloys. Other Keynote lectures were from R. Ramesh Kumar (Government Engineering College, Barton Hill), Dr. K. Sudarshnan (Scientist, DRDO(NPOL)) and Job Kurian (Advisor IIT Palakkad).



National conference on emerging trends in mechanical, safety and fire engineering and management science – NC@metrends '13

The National Conference on Emerging Trends in Mechanical, safety engineering and management science was held in Toc H Institute of Science & Technology, on 30th September and 1st October. This meeting brought together technocrats, academicians, researchers and developers to discuss recent developments in the field of emerging trends in manufacturing technology. The conference continued to have good participation by members of the Aeronautical Society of India (AeSI Kochi), Indian Institute of Production Engineers (IIPE), EDS Technologies, which allowed sharing of ideas. The trend of strong participation in this conference continued, with 48 participants from different parts of the country.



The objective of National Conference was to establish an effective channel of communication between technocrats, academics and research institutions, and developers. It also aimed to promote and coordinate developments in the entire field of mechanical, safety engineering and management science. The conference focused on original research works with special emphasis on research and development that contributed significantly to further the knowledge in engineering, technology and Management, addition to, it covers all the sustainable development aspects related.

International Conference On Emerging Trends In Manufacturing Technology – (INC@mtTRENDS'12).



The 1st International Conference on Emerging Trends in Manufacturing Technology was held in Toc H Institute of Science & Technology, Ernakulam on 5th and 6th September 2012. This meeting brought together technocrats, academicians, researchers and developers to discuss recent developments in the field of emerging trends in manufacturing technology. The conference continued to have good participation by members of the Aeronautical Society of India (AeSI Kochi), Indian Institute of Production Engineers (IIPE), FCI OEN Connectors Ltd. which allowed sharing of ideas.

National seminar on Application of Nano Technology in Mechanical Engineering

National seminar on Application of Nano Technology in Mechanical Engineering is conducted on 23rd and 24th February 2010 at Toc H Institute of Science & Technology, Arakkunnam. Many technical papers were presented in the seminar.

