

ONE DAY NATIONAL LEVEL WORKSHOP

On

"ADVANCES IN MANUFACTURING PROCESS"

11TH AUGUST 2016



ORGANIZED BY

Department of

MECHANICAL ENGINEERING

MAHENDRA

Institute of Engineering and Technology

Mahendrapuri, Mallasamudram (W),
Tiruchengode (Tk), Namakkal (Dt) - 637 503
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Mahendra Institute of Engineering and Technology.

Organizing Secretary

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Assistant Professor,
Department of Mechanical Engineering,

Organizing Joint Secretary

Prof.B.Srivijai,
Assistant Professor,
Department of Mechanical Engineering

ABOUT THE INSTITUTION

With the Noble aspiration of educating the under privileged in the Salem and Namakkal district, Mahendra Educational Trust was started in the year 1978 by the distinguished educationalist and philanthropist Shri.M.G.BharathKumar. The trust sprouts Eighteen Educational Institutions, right from school, Arts and Science college and then to higher learning technical Institutions aimed with a vision of imparting high standard of education, achieving academic and proficient excellence. The trust is propped up by the Governing council and advisory committee associated with the policy affairs, planning and development actions of the educational Institutions.

Mahendra Institute of Engineering and Technology was instigated in the year 2009 by the Mahendra Educational Trust. It is approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to the Anna University, Chennai. Currently we have seven Under Graduate degree programmes and five Post Graduate degree programs in engineering and technology. With a commitment of dynamic management, and the dedicated service of faculty, the Institution will bloom as nodal Institutions of excellence in near future. With modern class rooms and laboratories, computing facilities, library, play facilities and multipurpose gymnasium, the students are provided with all round knowledge, hands on training with good potential employability skills to become a readily employable engineering graduate in the ever growing changing scenario.

ABOUT THE WORKSHOP:

Advanced manufacturing processes is a method that remove excess material by various techniques involving mechanical, thermal, electrical or chemical energy or combinations of these energies but do not use a sharp cutting tools as it needs to be used for traditional manufacturing processes. Extremely hard and brittle materials are difficult to machine by traditional machining processes such as turning, drilling, shaping and milling. It is employed where habitual machining processes are not feasible, satisfactory or economical due to special reasons such as very hard fragile materials, difficult to clamp for traditional machining, when the work piece is too flexible or slender, when the shape of the part is too complex.

WORKSHOP CONTENTS:

- Evolution of a Product
- Concepts of Manufacturing
- Overview of processes
- Design for Manufacturing
- High Speed Machining
- Abrasive Water jet Machining, Micromachining
- LASER processing (machining, welding)
- Chemical Milling, Hydro forming
- Virtual-reality, Additive manufacturing
- Future direction

TARGET AUDIENCE:

The workshop is mainly focused to the students of Under Graduates, Post-Graduates, Researchers and faculty members of Mechanical Engineering background and the peoples connected to the industry with manufacturing.

RESOURCE PERSON

Dr.M.Manohar
Scientist 'SF'

Materials & Mechanical Entity
VSSC - ISRO, Trivandrum.

IMPORTANT DATES:

Last date for receipt of
registration form with fee : **08.08.2016**

Intimation of acceptance : **09.08.2016**

Spot registration also accepted on prior intimation

REGISTRATION FEE:

Students / Faculty / Research scholars : **Rs.200/-**

The Demand Draft should be drawn to the favor of
"The Principal, Mahendra Institute of Engineering
and Technology, Namakkal-637503" payable at **SBI,
Mallasamudram**)

Correspondence and completed registration forms with
D.D sent to

The Organizing Secretary

"Advances in Manufacturing"

Department of Mechanical Engineering.
Mahendra Institute of Engineering and Technology,
Mallasamudram, Namakkal (Dt.) - 637 503,
Tamilnadu.

**For registration related information, feel free to
contact**

Email id: workshoptietmech@gmail.com

Phone: 9500040295, 9842008501 & 9994631669.

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11TH AUGUST 2016

REGISTRATION FORM

(Fill in Capitals)

Name :

Designation :

Department :

Organization :

Mailing Address :

E mail :

Mobile Number :

Category of the Participant :
(Student / Researcher / Faculty)

Registration Fee Details:

D.D No :

Date :

Bank Name & Branch :

Signature of the Participant

Place :

Date :

Signature of the
Head of the Institution with office seal