

The Institution of Engineers (India)
Salem Local Centre
In association with
MUTHAYAMMAL ENGINEERING COLLEGE
Organizes
One day workshop on
Surface Engineering and Micro Machining

Date :
6-1-2020

REGISTRATION FORM

Name :

Department :

Age & Gender

Educational Qualification

Name of the College:

Address for Communication:

Contact/ Phone(s):

E-mail:

DD No:

The information provided herewith is true to the best of my knowledge. I agree to abide by the rules and regulation governing the seminar programme.

Date: _____ Signature of applicant _____

Signature and seal of Head of the Department

CHIEF PATRON
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Chairman & Managing Trustee, METRF
Dr.K.GUNASEKARAN
Secretary, METRF
PATRON
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Mr.A.GOKUL
Assistant Professor/MECH/MEC
&
All Committee Members of IEI-Salem Local Centre, Salem

ADDRESS FOR CORRESPONDENCE

Application form complete in all respects is to be send to:
Dr. R.Thanigaivelan, M.Tech.,Ph.D
Professor & Head,
Department of Mechanical Engineering,
Muthayammal Engineering College (Autonomous),
Rasipuram, Namakkal Dist.,
Tamilnadu, India - 637 408.
Email Id : hod.mech@mec.edu.in

The Institution of Engineers (India)
(Established in 1920, incorporated by Royal charter 1935)
100 years of Relentless Journey towards Engineering
Achievements for Nation Building

**One Day Workshop on
Surface Engineering and
Micro Machining**

On
6th January 2020

Organized by



The Institution of Engineers (India)
SALEM LOCAL CENTRE
3rd Floor, SPC Bhawan, 104/7, Manivannan Road,
Opp.New Bus Stand, Salem - 636 004.

Under the Aegis of
PRODUCTION ENGINEERING DIVISION (PRDB) OF IEI
In association with



DEPARTMENT OF MECHANICAL ENGINEERING
MUTHAYAMMAL ENGINEERING COLLEGE
(An Autonomous Institution)
Approved by AICTE, Accredited by NBA, NAAC &
Affiliated to Anna University
Rasipuram-637408, Namakkal Dt., Tamilnadu.

Venue : Seminar Hall -I, MEC

About the Institution of Engineers (India)

The Institution of Engineers (India), a premier professional body of engineers, established in 1920 and incorporated by royal centre 1935, has been serving the cause of engineering science and technology for more than few decades. It remains only professional body in India to be accorded this honor. It has in its fold more than 2,00,000 professional engineers and its operates through 124 state and local centre across the country and six chapters abroad.

Today its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI function among the professional vast array of technical, professional and supporting service to the government, industries and academia and the Engineering fraternity. The institution also provides grand-in-aid to its member to conduct research and development of engineering students. IEI conducts section A & B Examinations in different Engineer Disciplines, the successful completion of which recognized as equivalent to degree in appropriate field of Engineering recognized Universities of India by the Ministry of Human Resources Development, Govt. of India. Every year as many as 90000 candidates appear for these exams.

For details, please see www.ieindia.org

About Salem local centre (IEI-SLC)

The Salem local centre as the active centers of IEI which is engaged in successfully translating the objectives and Ethics of IEI into Practices. The centre was established in 1994 and inaugurated by late Shri P.Rangarajan kumaramangalam, the then Hon'ble Minister of State for science & Technology, Government of India on 30th October 1994. IEI-SLC has 2070 Corporate Members, 5000 Student Members and 15 Institutional Members.

It regularly organizes technical and special lectures in the field of engineering, Management and Topics of current interest, Industrial Visits are also arranged to industries to promote technical interaction among the members and the industries.

It also observes the international / National events like word Environment Day, World Telecommunication Day and Engineers Day etc .in a fitting manner by organizing technical talks on the selected themes with experts of the field.

Awards : Best IEI Students Chapter Award. Innovation and Sustain ability Award, Best senior Engineer, Best Engineer, Best Young Engineer & Best women Engineer Award, Dr.A.P.J. Abdul kalam award are given by IEI SLC to Members, Engineering and Polytechnic Student members of IEI every year.

For more information please contact :

IEI-Salem Local Centre, 3rd Floor SPC Bhawan, 104/7, Manivannan Road, Opposite to New Bus Stand, Salem-636004. Phone No.0427-2332544, Email Id: salemic@ieindia.org, ieisalemlocal@gmail.com, Website:www.ieisl.com

About the Associate Organization

Muthayammal Engineering College is located at Rasipuram, 25km from Salem and Namakkal, Tamil Nadu. Muthayammal Educational Trust and Research Foundation, the pride of Namakkal, runs the institutions effectively since 2000. The Congenial and Enhancing Environment of the Institutions is elevated as the epitome of education under the able-guidance and patronage of Shri. R. Kanadasamy, Chairman and Dr.K. Gunasekaran, M.E., Ph.D. FIE, Secretary & Managing Trustee. Muthayammal Engineering College has been granted Autonomous Status by University Grants Commission (UGC) with effect from the Academic year 2016-17. The institution is accredited by NAAC (2015-2020). Four UG courses have been accredited by NBA. The institution has MOU with NIT,Trichy, MNIT,Jaipur, COINDIA,Coimbatore and MSME,Chennai.



About the Mechanical Engineering Department

The Mechanical Engineering department is equipped with the best of resource to enrich the bloodline of the department ensuring high quality education to the students. The intense Professional will of the faculty is the root for the sustained excellence of the department. The facilities of the department includes EDM machine, 3D printing and Robotics lab.

About the workshop

Surface engineering, is a discipline of science and technology, which meets the demand of modern technical science: energy, material efficiency, as well as environment friendliness. The surface engineering is classified as: changing the surface metallurgy, changing the surface chemistry adding a surface layer or coating. The surface engineering helps to reduce corrosion, erosion and improve wear resistance of materials. It also improves the biocompatibility of the material for biomedical application. Presently manufacturing engineers are improving machining efficiency by modify the surface material property. There is a growing demand for industrial products with increased number of functions and of reduced dimensions. Micro-machining is the most basic technology for the manufacture of such miniature parts and components. Micro machining is defined as the ability to produce features with the dimensions from 1 to 999 micron meter or when the volume of the material removed is at the micro level. Lithography based micro-machining technology uses silicon as material to produce integrated circuitry components and microstructures. However, these methods, in general, lack the ability of machining three-dimensional shapes because of poor machining control in the Z axis. Fabrication using hard and difficult-to-machine materials such as tool steels, composites, super alloys, ceramics, carbides, heat resistant steels and complex geometries for demanding aerospace, mechanical or biomedical applications requires alternative novel methods.

Registration Fee :

IEI Members : Rs.150/- Non IEI Members : Rs.200/-

Payment :

All payment are to be made through crossed demand draft, drawn in favor of "The Institution of Engineers (India) Salem Local Centre" payable at Salem.