

REGISTRATION FEES

The registration fee includes admission to all sessions, kit, proceeding (soft copy), High Tea and Lunch.

Faculty from academic institutions	Rs. 2000/-
Delegates from industry	Rs. 3000/-
Research scholars/PG students	Rs. 1500/-

REGISTRATION

Participants shall submit the duly filled application form either by post or in person to the Coordinator. Course fee should be paid by Cheque/DD/Cash in favour of "SCOE Mechanical Engineering Research Programme" Payable at Pune.

ACCOMODATION

Shared accommodation will be arranged for limited number of participants on prior request on paid basis. No TA-DA will be given to the participants.

RESOURCE PERSONS

Resource Persons constitutes experts from various engineering disciplines of our institute, IIT's, IIM, COEP and also from Premier Industries.

MAILING ADDRESS

Prof. S.H. Deshmukh (9323459329)
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Pune Chapter

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SINHGAD TECHNICAL EDUCATION SOCIETY'S
**SINHGAD COLLEGE
OF ENGINEERING, PUNE**

Sinhgad Institutes

Department of Mechanical Engineering
(Accredited by NBA for Five Years)

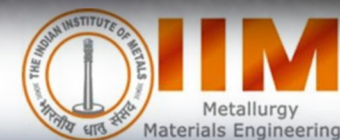
organizes

A NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME
ON

**ADVANCES IN
PRODUCT DESIGN &
SURFACE ENGINEERING**

18-22 NOVEMBER 2013

in association with



STES's
SINHGAD COLLEGE OF ENGINEERING
S. No. 44/1, Vadgaon (Bk),
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www.iimpcc.com

ABOUT STES

While the need for professionals was gathering momentum in the early 90's in India, Prof. M.N. Navale with visionary objective established Sinhgad Technical Education Society (STES) to provide quality education in the field of Engineering & Technology, Health Science, Management, Architecture, Pharmacy, Law, Arts, Science, Commerce and School Education. There are 110 institutes under the aegis of STES offering full-fledged primary, secondary and higher education and Ph.D. programs in various branches of Engineering, Science & Management. All the institutes under STES are recognized by the concerned statutory authorities and meticulously fulfil the norms and standards laid down by them. STES maintains a close liaison with the industry and other leading organizations.

ABOUT S.C.O.E. PUNE

Sinhgad College of Engineering was established in the year 1996 under STES. The campus is located at Vadgaon (Bk), Pune. The college offers eight AICTE approved degree courses in Engineering and Management-Chemical, Computer, Biotechnology, Civil, IT, Mechanical, E&TC, Production and MBA. The College also offers Post- Graduate courses in Chemical, Civil, Computer, IT, Mechanical and E & TC disciplines. S.C.O.E. is a recognized research centre of University of Pune. This centre offers Ph.D. programmes in Chemical, Mechanical, Civil and E&TC.

DEPT. OF MECHANICAL ENGINEERING

The department has been accredited by National Board of Accreditation for five years in August 2013. The Department is running AICTE-approved under-graduate (BE), post-graduate (ME) and Doctoral (PhD) programs in Mechanical Engineering. The department has conducted many software training workshops for engineering teachers and engineers from industry. Dept. have tie-ups with various industries for transfer of technical know-how and industrial projects. The mission of the Department is to establish a state of the art knowledge centre in Mechanical Engineering.

COURSE OBJECTIVES

Product design is the efficient, effective generation and development of ideas through a process that leads to new products. In a systematic approach, product designers conceptualize and evaluate ideas, turning them into tangible products. The product designer's role is to combine art, science, and technology to create new products that other people can use.

Surface Engineering aims at improving the functionality of an existing product. The new coatings and treatment processes may also create opportunities for new products which could not otherwise exist. It not only gives the solution to previously insurmountable engineering problems but creates entirely new products with reduction of power consumption and effluent output.

The **objective** of this course is to upgrade knowledge in product design field with understanding how surface engineering is relevant to all types of products to increase performance, reduce costs and control surface properties independently of the substrate, offering enormous potential for improved functionality.

The **APDSE'13** offers a forum for researcher scholars and academicians in understanding the basic concepts and state of art in the field mentioned. Experts will explain the stages, methodologies in new Product development and Surface modification techniques in a view of mechanical engineering applications.

COURSE CONTENTS

- Biomimetics: Design Inspiration from Nature
- Bionic surfaces for Engineering Applications
- Biomechanical Analysis of human Arm
- Rapid prototyping techniques in Product Design
- Mass Customization in Automobiles Industry
- Development of Diamond Cutting Tools
- Evolution of surface modification processes using Laser
- Cryogenic Treatment in Surface Engineering

WHO CAN ATTEND?

Faculty from AICTE approved Engineering colleges, Industry Representatives, Research scholars, Post graduate students in Engineering can participate.

REGISTRATION FORM

A NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME
ON

ADVANCES IN
PRODUCT DESIGN &
SURFACE ENGINEERING
18-22 NOVEMBER 2013

1. Name:
2. Designation:
3. Department:
4. Institute / Organization:
5. Address for Correspondence:

Contact Details:

Email:

6. Paid Accommodation needed in Campus
YES / NO

7. Details of Registration Fee (DD/Cheque must be drawn In favour of "SCOE Mechanical Engineering Research Programme" Payable at Pune.

Amount:

DD/Cheque No.:

Bank name:

Date & Place:

Sign of Participant

Sign & Seal of Sponsoring
Authority