

IMPORTANT DATE FOR PROGRAMME

Last date for receipt of Applications: 25th May 2016
Confirmation of Selection: 30 May 2016 (By Email Only)

RESOURCE PERSONS

Course faculty consists of eminent experts from NID, Design Tech. and cic3 GTU, Ahmadabad

FOR WHOM

The programme will provide excellent opportunities for

1. Teachers of all engineering streams of Degree / Diploma institutions approved by AICTE.
2. Professionals / Engineers from industry and R&D organizations working in the relevant field.

REGISTRATION FEES (Non-refundable)

For faculty members : Rs. 1000/-

For industry persons: Rs. 1500/- By DD/Cheque in favor of "Principial, L D College of Engineering, Ahmedabad" payable at Ahmedabad

HOW TO APPLY

The applicants are required to send completely filled in application form (photocopy may also be used) so as to reach the coordinator on or before 25th May 2016 and also send scan copy of filled application form by email to ydvora3359@gmail.com

ADDRESS FOR CORRESPONDENCE:

Prof.Y.D.Vora (Coordinator)/ Prof A. G. Momin
Mechanical Engg. Department
L.D College of Engineering
Navrangpura, Ahmedabad -15,
Gujarat
Mobile: 9427711993/9924228876
Phone: 079 26306752 ext. 1601
Email : ydvora3359@gmail.com
Email: altafhussain.momin@gmail.com

For further details, contact Co-coordinator:

Prof. Y.D.Vora (Coordinator) 9427711993

ABOUT THE INSTITUTE

L. D. College of Engineering, Ahmedabad is a premier Engineering college in Gujarat State set with the objectives of imparting higher education in various fields of engineering. The institute is affiliated to Gujarat Technological University and administrated by Department of Technical education, Gujarat State. Sheth Shri Kasturbhai Lalbhai established institute in 1948 with generous donation. It is situated adjacent to Gujarat University and at nucleus of various national level institutes like PRL, ATIRA, ISRO, IIM etc. The campus consists of buildings for various departments, offices, hostels and library with 45,220 sq. meter plinth area. The institute made a modest start with 75 students for undergraduate programs in 1948, post graduate programs in 1954. At present institute run 14 undergraduate, 15-post graduate and 4 part-time programs.

THE DEPARTMENT

Mechanical Department offers B.E. in Mechanical Engineering, Automobile Engineering and M.E in CAD/CAM, Cryogenic and Internal Combustion and Automobile Engineering. Mechanical engineering department is equipped with the finest laboratories and equipments in the area of CAD-CAM viz. The CAD/CAM centre of the department is equipped with CNC Turning Centre, VMC, Wire-EDM, Pro/ENGINEER, AUTODESK, Control software, CIM simulation software. The department has very good laboratory facilities in the area of CAD-CAM, Robotics, Dynamics of Machines, Refrigeration and Air Conditioning, Heat and Mass Transfer, Fluid Power, Material Technology, Metrology & Instrumentation, Manufacturing Science and Thermal Engineering.

ISTE APPROVED ONE WEEK SHORT TERM TRAINING PROGRAMME ON INNOVATIVE PRODUCT DESIGN (06/06/2016 to 10/06/2016)



Chief Patron

Dr. G. P. Vadodaria

Convener

Dr. G. H. Upadhyay

Coordinators

Prof. Y.D.Vora

Co-Coordinators

Prof.A.G.Momin

Prof. H.A.Shukla



Mechanical Engineering Department
L. D. College of Engineering, Ahmadabad

OBJECTIVES OF THE PROGRAMME

The rapid evolution of products is key to the global economy. Products change functionally and aesthetically, hence the key ingredient for any product's success is the skill of the Product Designers/Engineers. Moreover, innovation has become increasingly important because of the rapid evolution in products due to change of customer needs and business models and the ever more complicated world in which businesses and organizations operate.

The course is designed to develop basic skills and ability in the development and communication of ideas, ergonomics, interaction, the techniques of planning and costing, product styling, three-dimensional designing, materials and processes and the production of prototypes – applications of CAD/CAM/CAE softwares and finished artifacts for a given problem to achieve result oriented cost effective solution.

This course will offer numerous opportunities for invaluable practical experience in product design. The participants would be required to put their design skills into practice addressing real-life challenges, while gaining valuable additional skills. This would enable them to gain a unique understanding of innovative product design in multi-disciplinary teams and build a product of innovation.

COURSES CONTENT

- ❖ Importance and need for innovative product design
- ❖ Innovation and creativity in Product design, Importance of sketching and basic sketching techniques.
- ❖ Outline Product Design and Development

- ❖ Human-Centered Design & Achieving Deep Customer Understanding
- ❖ Ergonomic consideration in Design: Introduction to ergonomics, man-machine relationship and workstation design. Anthropomorphic data and its applications in ergonomic design
- ❖ Aesthetic consideration in Design; appearance, shape, visual effects of form and colour.
- ❖ Control and Displays: configurations and sizes of various controls, design of controls in automobiles, machine tools etc.
- ❖ Design for manufacturing and assembly
- ❖ Design for packaging
- ❖ Product costing, value engineering – economy consideration in Product design
- ❖ Design for Environmental Safety, Health and Safety consideration
- ❖ Case Studies on Product Design. Use of Nx- CAD software in Product Design.
- ❖ Product Lifecycle Management (PLM)

LDCE COE-SIEMENS FACILITIES

Centre of Excellence- Siemens has been established in August 2014 at L. D. College of Engineering, Ahmedabad as per MOU between (1) Industries Commissionerate, Government of Gujarat, (2) Siemens Industry Software (INDIA) Pvt Ltd., (3) DesignTECH Systems Ltd., India and (4) L. D. College of Engineering, Ahmedabad. The state-of-the-art level laboratories are as follows: MTAB Lab, Rapid Prototyping Lab (RP), MCMT Lab, SITRAIN Automation I & Automation II, SITRAIN Mechatronics, SITRAIN Electrical and Nx- CAD/CAM & product design two computer Labs.

APPLICATION FORM SHORT TERM TRAINING PROGRAM on “INNOVATIVE PRODUCT DESIGN”

- 1.Name: Mr./Ms.....
- 2.Edu. Qualification:.....
- 3.Designation:
- 4.Name of Organization:
- 5.Type of Organization: Gov/Private/NGO
- 6.Address:.....
.....
Phone..... Fax.....
Email.....
- 7.ISTE Membership No.....
- 8.Experience (years) in relevant area
Teaching:.....
Industry:.....
- 9.Subjects taught:.....
.....
10. Area of Interest:.....
11. Course fees Rs ____ thro DD NO____
Dated _____

Place _____ Signature of the Applicant

Date: _____

Certified that the above applicant is employed in our organization and the information stated by him/her is verified and found correct. We therefore, sponsor him/her to attend the short term training organized at your institute.

Date: _____

Signature of sponsoring
authority with seal