

ANNOUNCEMENT

SHORT TERM TRAINING PROGRAMME
ON
Advanced Manufacturing Practices

06-08 June'2014



ORGANIZED
By



Department of Mechanical Engineering
National Institute of Technology, Rourkela
राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
<http://www.nitrkl.ac.in>

Introduction

Nation's economic strength can be predicted by its manufacturing activities and skill of its operators at shop floors. Globalization and information revolution make the fabrication and machining practices mandatory to achieve quality in order to stay competitive in the cutthroat market. In the recent years, there has been a healthy rise in the product quality in order to survive in the aggressive competition across the manufacturing sectors. The present short term training program is designed to provide the participants with an opportunity to be conversant with different advanced welding machines and be familiar with its operations.

Objectives

- To be acquainted with Machines, tools, job & tool holding devices.
- To be conversant with different operations performed.
- To provide an opportunity to self operate the machines.
- To be familiar with the advanced welding practices (Laser, Ultrasonic, etc.).
- To be familiar with the advanced cutting processes (EDM, ECM, WEDM, AJM, etc.).

Training contents

Introduction, Advances in machining and welding processes, process parameters, Comparison, Applications, Instruction for Laser welding, Ultrasonic welding, EDM, ECM, WEDM, AJM. Self-practice

Duration

3 days

Eligibility

Degree/Diploma in Mechanical/ Production/ Manufacturing/ Automobile or equivalent/ Experienced Welder.

Programme fee

Rs. 2,800/- per participant from educational institutes
Rs. 4,000/- per participant from industry and R&D organizations,

No TA/ DA or accommodation will be provided for attending the training program. Depending on the availability accommodation may be arranged at Guest house/Hostel on payment basis.

PAYMENT

The course fee should be sent in advance through a bank draft along with the duly filled Application form. The **DD** should be drawn in favor of 'Continuing Education, NIT Rourkela' Payable at Rourkela and reach 7 days before the starting of the program.

Correspondence The application form should be sent to: Prof. S.K.Sahoo, Mechanical Engineering Department, National Institute of Technology, Rourkela-769008. : 0661 – 2462520 Fax : 0661 – 2472926, Email : sks@nitrkl.ac.in

Special note: Numbers of seats are limited and the admission will be done on first come first serve basis. Selection of the candidate will be informed individually through **e-mail**

only. Course fees once paid for selected candidates will not be returned/cancelled in any case.

Application Dates:

Application should reach 7 days before the starting of the program.

About Mechanical Engineering Department

Mechanical Engineering is often called the mother of all engineering. It covers a host of subjects: properties of materials, structural design, material processing, manufacturing, heat engines, refrigeration and air conditioning, industrial management, robotics and much more. The Mechanical Engineering Department of NIT, Rourkela is known for research in most of these fields. The main foci of research are on mechanical vibration, robotics, CAD/CAM, precision engineering, CFD, Industrial refrigeration and Cryogenics, metal machining, non-conventional machining, metal forming. The academic programmes of the department reflect not only the core areas of Mechanical Engineer but also the research specialization of the faculty. The department at present has over fifty research scholars pursuing projects on diverse fields. The faculty is organized under three divisions and six groups. All the groups are working in close co-operation while retaining individual identities. Many Research and Development projects being pursued by the faculty are sponsored by Government agencies and private industries. Among the major sponsors are BRNS, DST, ARDB, BRFST, HBL Power Systems, Lechler India Private Limited, etc.

COURSE COORDINATORS

Prof. S.K.Sahoo, Mechanical Engineering Department, **National Institute of Technology, Rourkela-769008.** : 0661 – 2462520 Fax : 0661 – 2472926, Email : sks@nitrkl.ac.in

Prof. S.Gangopadhyay, Mechanical Engineering Department, **National Institute of Technology, Rourkela-769008.** : 0661 – 2462528 Fax : 0661 – 2472926, Email : soumyag@nitrkl.ac.in

Prof. M.Masanta, Mechanical Engineering Department, **National Institute of Technology, Rourkela-769008.** : 0661 – 2462530 Fax : 0661 – 2472926, Email : masantam@nitrkl.ac.in

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Application FORM

(Please fill in capital letter)

Name: Mr. / Ms.....

(First Name) (Middle Name) (Last Name)

Mailing Address:

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PIN..... Phone:

Mobile:.....E-mail:.....

Highest Qualification :

Expérience.....

Date: Signature:

Encl: DD No..... Dated.....

On(Bank).....Amount:

All Payments should be made by A/C Payee Demand
Draft in favour of 'Continuing Education, NIT Rourkela'
payable at Rourkela.

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