

## ANNOUNCEMENT

### SHORT TERM TRAINING PROGRAMME ON

- A. CNC Programming & Practice
- B. Advanced Machining Practice

20-31<sup>st</sup> May'2013 and 10-21<sup>st</sup> June'2013  
(Both training programs running parallel)



**ORGANIZED**  
*By*



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

### Introduction

Nation's economic strength can be predicted by its Metal Machining activities and skill of its operators at shop floors. Globalization and information revolution make the 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 self operate the different machines and be familiar with the advanced machining operations.

### Objectives

- a) To be acquainted with Machines, tools, job & tool holding devices.
- b) To be conversant with different operations performed.
- c) To provide an opportunity to self operate the machines.
- d) To be familiar with the advanced machining operations.

### Training contents

*A. Introduction*, Numerical Machines, Part programming, Coordinate systems, Array program, Tool setting, Offset setting, Instruction for CNC milling and Turning, Self-practice

*B. Introduction*, Instruction about cutting tools, measuring tools, tool and job holding

*devices, Lathe operations, Taper turning, threading, grooving, Milling operations, Indexing, self-practice.*

### Duration

2 Weeks (5 days a week)

### Eligibility

Degree/Diploma in Mechanical/ Production/ Manufacturing/ Automobile or equivalent/  
Experienced Machinist

### Programme fee

Rs. 3,800/- per participant from educational institutes  
Rs. 6,000/- per participant from industry and R&D organizations,

**No TA/ DA or accommodation will be provided for attending the training program.**

### 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](mailto: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 Central Workshop

The Central Workshop is functioning under the support and services of the Institute and its facilities are extended to various departments of the institute for conducting different project / research work at UG, PG and Doctoral level, under the guidance of the respective guides including regular sessional classes as a part of the curriculum for students at various levels. The Central Workshop facilitates to impart practical skills for the students in major fields of engineering and technology. In addition to housing many conventional machines and equipment it also has most modern fabrication and production units in tune with the recent technological developments. The Central Workshop has four sections, namely, Machine shop, Assembly (fitting and carpentry) shop, Electrical, Electronics & Computer shop, and Welding & Foundry shop.

### COURSE COORDINATORS

Prof. S.K.Sahoo, Prof. in-charge Machine shop, Central Workshop, **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. S.K. Patel, HOD Central Workshop, **National Institute of Technology, Rourkela-769008.** : 0661 – 2462516 Fax : 0661 – 2472926, Email : skpatel@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:

.....  
.....

PIN..... Phone: .....

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

Highest Qualification :.....

Expérience.....

Applied for Training Program \_\_\_\_\_ (A or B)

Date preference :20-31<sup>st</sup> May/10-21<sup>st</sup> June'13/ Any one

( Tick one)

Date: .....

Signature: .....

Encl: DD/Cheque No.....

Dated..... On .....(Bank)

Amount:

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

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