



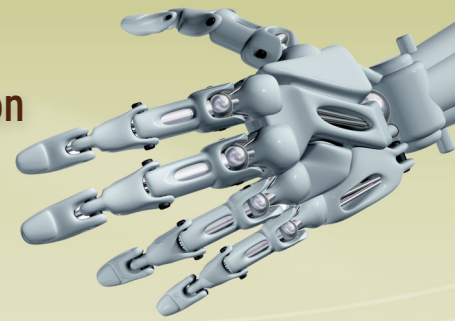
# Short Term Course on Industrial Robotics & Flexible Automation

(IRFA-2013)

Conducted by

Department of Industrial Design

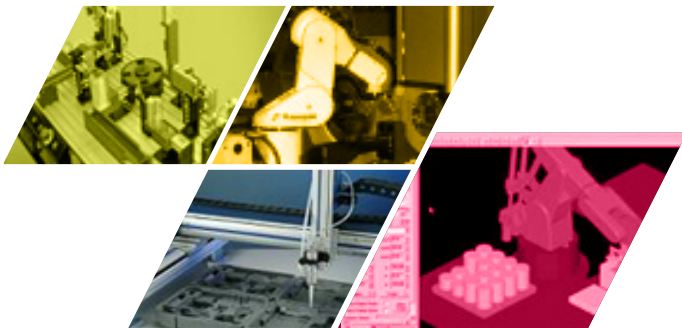
National Institute of Technology, Rourkela -769008



May 27 - June 7, 2013

In the present era, Robotics has strappingly accentuated in industrial applications. The present course intends to equip participants with broad knowledge and essential skills necessary to develop robotic systems for practical applications. This is a project based course supported by state-of-the-art laboratory facilities.

**The Institute:** NIT Rourkela is an "Institute of National Importance" and is one of the top ranking institutes in India. The city of Rourkela is a bustling industrial city, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery all around, NIT campus is approximately 7 kms from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar which are well connected by trains.



**About Industrial Design Department:** The Department of Industrial Design, established in 2010, is the latest addition to the engineering disciplines of NIT Rourkela. The course curriculum for the programme has been meticulously designed with inputs from several other institutes of higher learning and reputed industries to cater to the need of the present day need of the industries. The Department has various laboratories with state-of-the-art technology.

## Course Contents: (6 hrs. X 10 days)

- Introduction to Robotics: Classification, System Architecture, Locomotion and Applications
- Motion Analysis of Various Robots: Industrial Robots and Wheeled Mobile Robots
- Actuators and Sensors: Introduction and Classification
- Microcontrollers: System Architecture, Interfacing with Sensors and Actuators
- Real time Projects: Assembly & Interfacing of various robots for specific tasks.

## Who should Participate

UG and PG students of Engineering/Technology from any discipline.

## How to Participate

Interested candidates need to download the Registration form, fill it up and send it along with the necessary DD to the address for correspondence, so as to reach the destination before May 15, 2013.

## Registration fees: ₹.5000/-

(Registration fees includes registration kits and goodies)

Registration form can be downloaded from:

<http://nitrkl.ac.in/Academic/6ShortTermCourse/Default.aspx>

**Mode of Payment:** Payment should be made through a demand draft in favour of "Continuing Education, NIT Rourkela" Payable at SBI – Rourkela (Branch Code-2109).

## Accommodation

Based on the availability, the participants will be provided accommodation in the students hostel of the institute on payment basis.

## Important Dates

Last date of Receipt (Completed registration form along with DD)	: 15-05-2013
Intimation letter to be mailed by	: 20-05-2013
Course commence on	: 27-05-2013

## Coordinators

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## Address for Correspondence

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