

SHORT TERM COURSE

on

**Study on 2D and 3D Modeling in
the Field of Mechatronics, Robotics and
Engineering fields
(SFMRE-2016)**

25th November – 27th November, 2016



**ORGANISED BY
DEPARTMENT OF
MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF
TECHNOLOGY
ROURKELA - 769008, INDIA**

CONTACT ADDRESS

Dr. Dayal R. Parhi

**Course Coordinator, SFMRE-2016,
Department of Mechanical Engineering,
National Institute of Technology, Rourkela -
769008 (ODISHA), INDIA**

Phone : 0661-2462514 (O)

: 0661-2463514 (R)

Cell : 09861067309

Fax : 0661-2472926, 2462022

E-mail : seminardaval@gmail.com :

drkparhi@nitrkl.ac.in Please visit our website

listed below:

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

❖ Bank Transaction Details:

The D.D. from any nationalized bank should be drawn in favour of "Continuing Education NIT Rourkela" payable at SBI, NIT Campus Branch, Rourkela, India. (Code-2109)

SHORT TERM COURSE

on

**Study on 2D and 3D Modeling in
the Field of Mechatronics, Robotics and
Engineering fields
(SFMRE -2016)**

25th November – 27th November, 2016



**ORGANISED BY
DEPARTMENT OF
MECHANICAL ENGINEERING
NATIONAL INSTITUTE OF
TECHNOLOGY
ROURKELA - 769008, INDIA**

INTRODUCTION

Now a days Auto CAD and 3D Modeling are the essential tools in all Engineering applications. Basic knowledge on these tools are very much required for higher studies in Under Graduate , Post Graduate and Ph. D. level. For Finite Element Analysis knowledge on 2D and 3D modeling is an integral part. Condition Monitoring heavily depended upon field data and robust CAD model and subsequent Numerical and Experimental Analysis. Artificial Intelligence (AI) technique is very much required for predicting the damage in the Dynamic System during condition monitoring. The course intent to deliver Basics on Auto CAD 2D modeling, 3D Modeling, ANSYS Finite Element Analysis and knowledge on various AI Techniques for condition monitoring of Dynamic Systems.

THEMES

The seminar SFMRE-2016 will focus on current AutoCAD 2D modeling, 3D Modeling and Dynamic Analysis of Mechanical Systems for Condition Monitoring including the following themes with 30 hours of lectures and class assignments.

- Auto CAD
- FE Analysis
- ANSYS
- 3 D Modeling
- CATIA Modeling
- Matlab Tools
- Condition Monitoring

VENUE

Rourkela is a major hub of industrial activities in Eastern India, with cluster of Steel Industries . The city also hosts the Software Technology Park of India (STPI). Rourkela en routes Calcutta (Howrah) - Mumbai main line of South Eastern railway. The Rourkela railway station and intrastate bus stop are 6 kms and 2 kms from NIT Rourkela respectively. The climate at Rourkela during November will be pleasant with temperature ranging from 22^oC to 35^oC.

ACCOMMODATION

A limited number of rooms with shared accommodations are available in Halls, North and South Guest House of the institute. The confirmed accommodation for the delegates can be arranged by the organizing committee members either in the institute guest house and / or in halls on request accompanied with advance charge in the form of D.D as per the GH Charge.

REGISTRATION FEE STRUCTURE

- Industry delegates Rs.1000/- (without accommodation and food)
- Delegates from R&D and Academic Institutions Rs. 800/- (without accommodation and food)
- Bona fide Student/Research Scholar delegates Rs.500/- (without accommodation and food) and Rs. 300/- for NIT Rourkela Students
- Delegates from outside India €200 or US \$ 300
Last date of Registration 22th November 2016.

Mailing Address

**Dr. Daval R. Parhi
Course Coordinator, SFMRE-2016,
Department of Mechanical
Engineering, National Institute of
Technology,**

PROFORMA

SHORT TERM COURSE

ON

Study on 2D and 3D Modeling in the Field of Mechatronics, Robotics and Engineering fields

SFMRE-2016

25th November – 27th November, 2016

Last date of registration 22th November 2016

Registration Form for Delegates

Name: _____

Address: _____

Mobile/Phone: _____

E-mail: _____

Gender : _____

Accommodation Required: Yes No (If
yes, Institute Guest House or Hotel):
Details of total amount of registration fee.
(Accommodation charges and food to be borne by rest
participate)

D.D. No: _____

Amount _____ Date _____

Date: _____ Signature _____

PROFORMA

SHORT TERM COURSE

ON

**Study on 2D and 3D Modeling in
the Field of Mechatronics, Robotics and
Engineering fields**

SFMRE-2016

25th November – 27th November, 2016

Last date of registration 22th November 2016

Registration Form for Delegates

Name: _____

Address:

Mobile/Phone: -----

E-mail: _____

Gender : _____

Accommodation Required: Yes No (If
yes, Institute Guest House or Hotel):

Details of total amount of registration fee.
(Accommodation charges and food to be borne by rest
participate)

D.D. No: -----

Amount _____ Date _____

Date:

Signature