

## **National Institute of Electronics and Information Technology Chandigarh**

(An autonomous scientific society under administrative control of Ministry of Electronics and Information Technology, Gol) (ISO 9001:2008 Certified Institute)





# 2-DAY FACULTY DEVELOPMENT PROGRAMME

# ANSYS High Frequency Electromagnetic Field Simulation (HFSS)

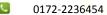
#### **Patron:**

Dr. M.M. Sharma **Executive Director** 

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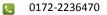
#### **Coordinator:**

Mrs. Sunita Govle Additional Director (Technical)



#### **Co-Coordinator:**

Dr. Manish Arora Joint Director (Systems)



#### Venue:

**NIELIT Chandigarh** C-134, Industrial Area, Phase VIII, Near PCL Chowk, Mohali.

National Institute of Electronics and Information Technology Chandigarh invites application from engineering faculty of technical institutes for 2-days ANSYS Pervasive Engineering Simulation Programme.

## Objective of the Workshop

The objective of the workshop is to develop engineering skills that enables to produce better products more rapidly.

## Workshop Highlights

- Highly qualified and experienced trainers from **ANSYS**
- Focus on practical sessions

## Outcome of Workshop

Participants will be able to adopt simulator for designing product rapidly

## Target Audience

Faculty of Engineering Colleges/ Technical Universities.

## Registration

Email the scanned copy of registration form to training.chd@nielit.gov.in by 20<sup>th</sup> March 2017.

## Workshop Dates

23<sup>rd</sup>-24<sup>th</sup> March 2017

### Registration Fee

The workshop is free of Cost.

#### Brief Contents

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Day	Contents
1	HFSS Simulation Technologies, Features, HFSS with HPC, HFSS Workflow, HFSS GUI, ANSYS Electronics Desktop, 3D Design Set up, 3D Modeller, Adaptive Meshing, Advanced Features for EM Design, Mesh Settings, Seeding, length Based Restriction on Selection, in Selection, Model Resolution, introduction to Computational Electromagnetic – FEM and FDTD Methods and Examples
2	Perfect E & Perfect H Boundaries, Radiation Boundary, Perfectly Matched Layers (PML), HFSS Solution Types, Wave Ports, Lumped Ports, Floquet Ports, Incident Wave Excitations, Enforced Fields Excitations, Post Processing Quantities, Formats, Creating Reports & Report Editor, Field Overlays, Radiation Computation, Animating Field Quantities

#### **Headquarters:**

#### **National Institute of Electronics and Information Technology**

Electronics Niketan, 6-CGO Complex, Lodhi Road, New Delhi 110003.

#### **Contact Details: NIELIT Chandigarh**

C-134, Industrial Area, Phase VIII, Mohali 160071 Web site: nielit.gov.in/Chandigarh

Email: training.chd@nielit.gov.in Phones: 0172-2236462, 2236470



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## **Registration Form**

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