

2-DAY FACULTY DEVELOPMENT PROGRAMME
on
**ANSYS High Frequency Electromagnetic Field
Simulation (HFSS)**

Patron:

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Coordinator:

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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 20th March 2017.

Workshop Dates

23rd-24th March 2017

Registration Fee

The workshop is free of Cost.

Brief Contents

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:

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