



राष्ट्रीय इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी संस्थान, कालीकट
National Institute of Electronics & Information Technology, Calicut



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India

On-line Courses Prospectus

ISO 9001-2015 Certified

Certificate Course on FEA Using ANSYS
11th January 2023 to 24th January 2023
(2 hrs daily)

Course Description

FEM (Finite Element Method) is a well proven method or technique for analyzing the structural behavior of the mechanical components and system. Recently, the use of FEA (Finite Element Analysis) as a design tool has been grown rapidly and adopted by the various industries. ANSYS is very popular and well recognized finite element modelling package for numerically solving a large range of problems including static, dynamic mechanical, structural analysis (linear and nonlinear), heat transfer and fluid problems, as well as acoustic and electromagnetic problems. It is widely used in the mechanical, automobile, structural, chemical and aeronautical industries.

[Click Here to Register](#)

Who can attend?

Any under graduate/diploma student with basic knowledge of design.

- Students pursuing Engineering
- Professionals working on design & development activities and others who would like to develop competency in CAE Field.
- Research students
- Teaching professionals & faculties

Course Content

Session	Topic	Day
1.	Introduction to FEM/FEA	1
2.	Introduction to ANSYS Software & Problem-solving steps	2 & 3
3.	Brief Explanation of ANSYS Design Modular	4 & 5
4.	Brief Explanation of ANSYS Mechanical Using Static Structural workbench	6 & 7
5.	Pre-Processing steps i.e., Meshing & Boundary Conditions etc.	8
6.	Post-Processing steps and problem exercises	9
7.	Small Introduction to other ANSYS workbench	10

* - No class on Saturdays and Sundays

Prerequisite

- Knowledge of Engineering design
- Basic knowledge of computers

Fee and important dates

Fee	Rs. 3000/- (Including GST)
Last date for registration & payment	9th January 2023

**Sharing of Link / passwords &
other details**

10th January 2023

Certificate

E-Certificate of participation will be mailed through registered email id after the completion of the course.

Minimum Requirements

- Attendees must have a computer system with a good internet connection.
- Computer System Configuration – Windows OS 7/8/10, i3/i5, 64bit, processor, Minimum 4GB RAM
- Link to attend the course shall be forwarded on **10th January 2023**

Faculty Profile

Qualification and experience of the faculty handling the sessions

1. Mr. Pranjul Pal – Project Engineer

Course Coordinator

Pranjul Pal

Pranjul Pal

8218468768(M), 0495 2287266- Exn-209(O)

Email: pranjul@calicut.nielit.in

Terms and Conditions

1. *In case any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.*
2. *In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*

For more details about our institution and facilities visit us

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Twitter: https://twitter.com/CAL_NIELIT

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Autonomous Scientific Society of
Ministry of Electronics & Information Technology,
Govt. of India



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