



STEM KNOWLEDGE BASED ENGINEERING PROGRAM

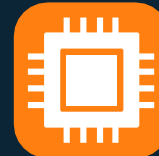
ADVANCED KNOWLEDGE TRANSFER PROGRAM FOR STUDENTS AND PROFESSIONAL



S
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T
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E
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M
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modelling



Join Us Today!



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Our Mission

Our Mission is to guide and help students to stay on top of the game. We aim to create engineering leaders with our STEM program by transferring industry knowledge to aspiring young talents.

Teaching Approach

Our unique teaching approach is what we call 'the knowledge sharing approach'; is to share our own experiences, failures, success stories and we stimulate open discussions. We also group up individuals to actively engage in problem solving techniques to tackle real-life challenges.

What you will leave with

noCnX STEM program will arm you with transforming skills and knowledge to become a highly employable and successful professional and prepare you for disruptive processes.

Core Simulation Capabilities



noCnX Technologies

we do engineering with passion

Structures

Product Optimization
Crash and Impact
Thermal Fatigue
Structural Fatigue
Modal Analysis
NVH
Safety
Composites
Multi-scale Material Modeling

CFD

Flow Simulation
Thermal Simulation
Particle Simulation
Multiphase simulation
Manufacturing Simulation
Multi disciplinary type simulation
Thermal Cooling

MBD

Complete Vehicle Durability
Complete vehicle Dynamic
Robotic Motion
Latch Simulation
Kinetics and H.P Optimization
Service Loads & Fatigue Life Cycle
Road Compactor Drum Noise
Grader Simulation

Electromagnetics

Antennas
Radome/FSS
Signal Integrity
EMI/EMC
RF Passive Circuits
Motors & Generators
Actuators & Solenoids
Transformers
Busbars
Sensors

Training Program overview



noCnX Technologies

we do engineering with passion

COURSES DAYS	CAE	CFD
DAY 1	Introduction to Ansys Workbench * Engineering Data * Mechanical basic	* Introduction to Computational Fluid Dynamics * What is CFD? * Why CFD?
DAY 2	Introduction to Geometry Modeler and space claim * Geometry Modelling * Geometry Simplification	* Applications of CFD * Governing Equations of CFD & Physical significance * Navier Stokes Equation
DAY 3	Introduction to Meshing * Mesh Controls * Mesh Quality	* Introduction to Ansys Fluent * Pre Processing 1. Geometry preparation using space claim CAD package
DAY 4	Introduction to Static Structural Analysis * Example of 3-D D static structural analysis * Post-processing of results	2. Meshing 3. Grid independence 4. Boundary conditions
DAY 5	Introduction to Advance Nonlinear Static Structural Analysis * Example of combined Geometric, Material, and Contact Nonlinearity	* Solution Methodolgy 1. Laminar Flow 2. Turbulent Flow
DAY 6	Case Study- Practise session	* Post processing Results & Plotting
DAY 7	Case Study- Practise session	
DAY 8	Case Study- Practise session	
		Case Study- Practise session

Why noCnX STEM Program ?



noCnX Technologies

we do engineering with passion

- Passionate and experienced trainers, who themselves are industry experts
- The programme will inspire you to take on different views and learn from each other's experience.
- Being part of noCnX network will not only help you seek for further advice, but you will receive relevant updates on market trends and developments on a regular basis

Industries we cater to:

