

Training

We are efficient trainers with a decent industrial experience. We train learning engineers at institutions as well as professionals to master the software's of the modern industry. The trainers are well qualified with an industrial background of 5 to 15 years. These trainers have a hands on experience of solving the complexities of different products related to diverse industries. So the training received from these trainers will be far more practical & industry oriented than training received from academicians.

We provide trainings in :

- ANSYS (All Modules)
- STAAD Pro
- Solid Works and Solid Edge
- Pro E and CATIA
- Auto CAD

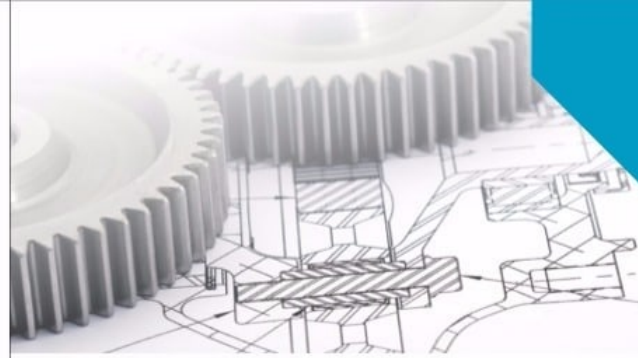


TECHINOVA ENGINEERING ANALYSIS SERVICES

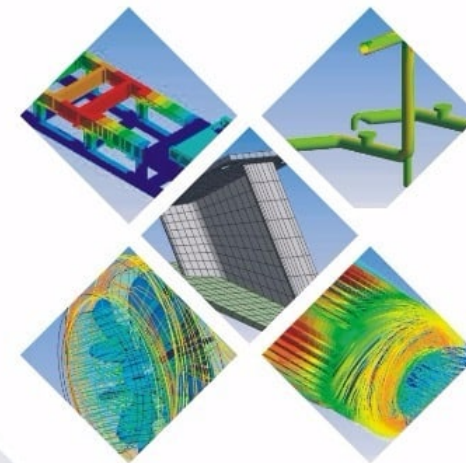
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TECHINOVA
ENGINEERING
ANALYSIS
SERVICES



Innovation through Technology



Welcome to Technova. Technova is an expert solution provider in the field of Engineering Analysis along with design and drawing of equipments. Started at 2015 with a mission to serve the industrial market to simplify the complexities and eliminate the requirement of costly field tests.

Registered at Kolkata and having branch offices at different states in India, we are committed to provide the best quality services to our customers within reasonable period and within a competitive price.

Our highly experienced engineers and up to date resources ensure that you get the results as accurate as possible. Our services include the engineering sectors like Mechanical, Electrical, Metallurgical and Civil engineering. The industries covered are diversified like, static equipment manufacturers, rotating equipment manufacturers, automobile industries, aerospace, structural engineering and many more.

Along with industrial services we also provide trainings to different corporations and engineering institutions where the training is conducted as per the real problems faced on site or off site to equip the students/professionals with the best talents.

Services provided

Analytical Services :

Structural Analysis (FEA) : Finite Element Analysis is the determination of the effects of loads on physical structures and their components. It can include a big or small structure made of rolled sections or it may be a machined component transferring loads.

Fluid (CFD) : Computational Fluid Dynamics uses numerical analysis to solve and analyse problems that involve fluid flows. Application can be flow of fluids inside a pump. Sump analysis also can be performed for optimum performance of pump.

Thermal Analysis : Elevated temperatures can affect the associated components. Thermal analysis can detect the problem as well as provide a solution to the problem. Thermal analysis can be done on motors, bearings or switchgears etc.

Modal Analysis : Modal Analysis is carried out on structures or components which are subjected to forced vibrations or natural vibrations due to attached machineries. An important parameter called Natural Frequency can be worked out in Modal Analysis for dynamic loadings.

Rigid Dynamics : Analysis involving movement of systems of interconnected bodies under the action of external forces. Analysis of piston cylinder arrangement of other mechanisms involving movement of connected bodies can be efficiently analyzed.

Foundation Analysis : Foundation of any mechanical or civil structure can be analyzed using FEA. Design modification depending on the results obtained can be suggested.

Electrical Analysis : In electrical engineering, both Electromagnetic and Electro thermal analysis can be performed. Electromagnetic analysis areas include Induction motors, metal braids, hydroelectric generators etc. Electro thermal analysis can be performed on lithium ion batteries, motors etc.

Mould flow analysis : Efficient analysis of plastic mould flow of casting are performed. Optimization of mould design based on the obtained results are performed by very experienced engineers in respective fields.

Design and Drawings : We are also taking outsourced jobs for engineering drawings, Digitization of hard copies to Auto CAD drawings, 3D modeling and 2D drawings.

