**SLOG SOLUTIONS PRIVATE LIMITED**

* **PROJECTS**
* **Power Transmissions Tower**
* **Bicycle Frame**

**--Any Many More-**

* **Simulating Bolted Joint**
* **Simulating Leakage IMPORTING GEOMETRY FROM**

**OTHER CAD PACKAGES**

* **Understanding Different Import**

**Formats**

* **Working With IGES Files**
* **Geometry Cleanup For Meshing**
* **MESHING (BASIC)**
* **Introduction**
* **Classifications Of Elements**
* **Use Of Meshes**
* **Types Of Meshes**
* **MESHING (ADVANCE) & TECHNIQUE**
* **Mesh Generation**
* **Different Techniques Involved In Meshes**
* **Manual Meshing**
* **FINALIZING FE MODEL FOR ANALYSIS**
* **Element Quality Area**
* **Quality Check Is Mesh**
* **Material**
* **Conditions For Boundary**
* **ADVANCE BOUNDARY CONDITIONS**
* **Application Of Mass Elements**
* **Application Of Rigid Elements**
* **Mesh Generation**
* **HANDLING PROJECTS**
* **Steps In FEA**
* **Integrative and Dead-end FEA**
* **PROJECT SKILLS**
* **Possible Errors**
* **Report Generator**

**TECHNOLOGY : ANSYS**

**DURATION: MODULE 1 (4 WEEKS)**

****

* **INTRODUCTION**
* **About ANSYS**
* **ANSYS Basics**
* **Mechanics**
* **What is FEA?**
* **History Of FEM**
* **Need Of FEM**
* **Future Of FEM**
* **BASICS OF FEM**
* **FEM Procedure (Theoretical)**
* **Steps In FEM**
* **Theories Of Failure**
* **Different Types Of Analysis**
* **FEA Design Intent**
* **Getting Started with ANSYS**
* **ANSYS Workbench Environment**
* **Understanding GUI**
* **Manipulating Model**
* **Standard Toolbar**
* **ANSYS Toolbar**
* **File Types**
* **The Database & Files**
* **CAD MODELING USING ANSYS**
* **WorkPlane**
* **Co-ordinates System & Units**
* **Different Types Of Modeling**
* **Methods of Solid Modeling**
* **Component & Assembly Management**
* **Understanding Different Import**

**Formats**

* **Working With IGES Files**
* **Geometry Cleanup For Meshing**

SLOG SOLUTIONS PVT.LTD.

HELPLINE 7456000240/7456000241

www.slogsolutions.com