**II Jai Sri Gurudev II**

**ADICHUNCHANAGIRI INSTITUTE OF TECHNOLOGY**
(Affiliated to Visvesvaraya Technological University, Belagavi)

**Chikkamagaluru – 577102**

**Department of Mechanical Engineering**

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**Course Name: Modelling using ANSYS**

**Program Objective:**

ANSYS Workbench is a simulation platform that enables users to model and solve a wide range of engineering problems using the FEA. It provides access to the ANSYS family of design and analysis modules in an integrated simulation environment. This section gives a brief overview of the different elements in the ANSYS Workbench simulation environment or the graphical-user interface (GUI).

**Coordinator: Mr Srinivasaiah P H**

**Course Director: Dr. Satyanarayana G M**

**Teaching Hours: 35**

**Certification Criteria:**

1. Minimum 90% of attendance

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**Syllabus:**

1. Introduction to FEA.

2. ANSYS and its interfaces.

3. ANSYS Basics and General FEA Analysis Procedures.

4. Structural Analysis.

5. Thermal Analysis.

6. Modal Analysis.

7.Tutorial / Project Work.

**Course Enquiry Contact:**

**Department of Mechanical Engineering**

**AIT Campus, AIT, Jyothinagara, Chikkamagaluru-577102**