**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: Design using AUTOCADD**

**Program Objective:**

The AutoCAD Mechanical Essentials training course teaches students about the indispensable core topics required to use the AutoCAD Mechanical software. Through a hands-on, practice-intensive curriculum, students acquire the knowledge needed to accelerate the mechanical design process. With specific tools for creating and manipulating geometry, automatically acquiring bills of materials, generating mechanical components, and performing design calculations, the AutoCAD Mechanical software offers significant productivity gains that the student learns to maximize.

**Coordinator: Mr. Manu S S**

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

**Teaching Hours: 35**

**Certification Criteria:**

1. Minimum 90% of attendance

**Syllabus:**

1 Introduction and Orientation to Technical Drafting.

2. Introduction to Computer Aided Drafting and Design .

3. Instrument Drawing Techniques.

4. Drawing Management/File Types.

5. Design Processes and Methods.

6. Sketching.

7. Orthographic Projection/Multitier Drawings

8. Pictorials

9. Geometric Constructions

10. Dimensioning and Tolerance

11. Manufacturing Processes

12. Three-dimensional Modeling

13. Production Drawings

14. Section Views

15. Auxiliary View

**Course Enquiry Contact:**

**Department of Mechanical Engineering**

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