Program : B.Tech

Year/Semester: 7th

Subject : Computer Aided Design BME-701

FET, RAMA UNIVERSITY,   Mr.Devendra Kr Lohia
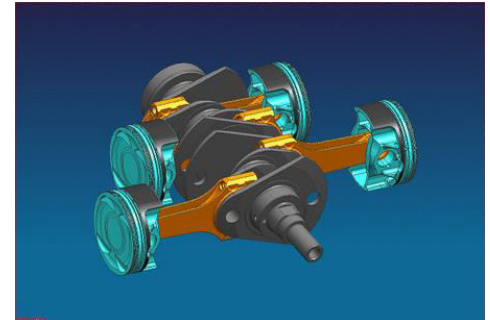
Course Objective

To develop the ability to use of computer in design process using different

methods tools software and recent trends

Course Outcome

After completion of this course the students are expected to be able to demonstrate following knowledge, skills and attitudes towards:

☐ To **knowledge** with computer input output devices related to CAD(Level 1).

☐ To develop **Comprehension** of computer graphics algorithms skills(Level 1).

☐ Having **knowledge** about the geometric curves and there uses in body design(Level 1).

☐ **Application** of Finite Element Method to analyses the mechanical parts(Level 2).

UNITS

- **UNIT1** • Introduction & Computer Graphics I
- **UNITII** • Computer Graphics II & Geometric Transformations
- **UNIT III** • Curves
- **UNIT IV** • 3D Graphics:
- **UNIT V** • Numerical Methods & FEM

- Originally CAD includes any techniques that use computers in the design process including drafting, stress analysis and motion analysis.

- But over the last 35 years, CAD has come to refer more specifically to Computer Aided Design and Drafting.

- CAD program/software is an electronic tool that enables you to make quick and accurate drawings with the use of a computer.