



VIT-AP
UNIVERSITY

Apply Knowledge. Improve Life!®

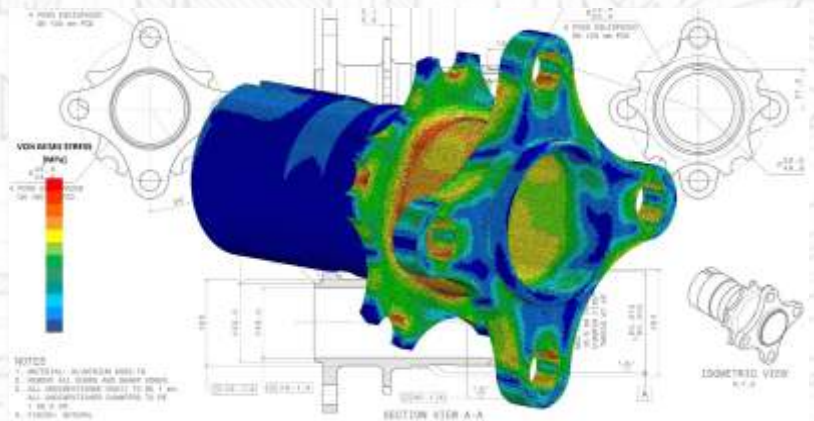
SOLVING MECHANICAL ENGINEERING PROBLEMS USING ANSYS

(A Value Added Course)

offered by

School of Mechanical Engineering (SMEC)

The finite element method (FEM) is the dominant discretization technique in structural mechanics. The basic concept in the physical interpretation of the FEM is the subdivision of the mathematical model into disjoint (non-overlapping) components of simple geometry called finite elements or elements for short. Ansys Workbench is a general-purpose Finite Element Analysis (FEA) software that is widely used in Industry, Academia and Research to solve many different engineering problems through virtual simulation of the engineering designs under consideration. Ansys Workbench is a well proved commercially available finite element software used for solving variety of 1D, 2D & 3D mechanical engineering problems in manufacturing, design & Thermal Engineering for large number of applications.



Key features of the course :-

- 1D, 2D & 3D structural, heat transfer and thermo-mechanical analyses
- Mechanical Engineering problems with industrial applications will be discussed
- Will add value to your profile and will be useful for placements.
- Will be useful for your Capstone and Senior Design Projects

**Every Monday 3 pm to 5 pm
commence from 14-02-2022.**

Certificate after completion of course