

6.4 COMPUTER APPLICATIONS IN CIVIL ENGINEERING

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RATIONALE

Computer applications play a very vital role in present day life, more so, in the professional life of engineer. In order to enable the students use the computers effectively in problem solving, this course offers applications of various computer software's in Civil Engineering

COURSE OUTCOMES

After undergoing this course, the students will be able to:

- CO1: Draw 2D drawings on AutoCAD viz. plan, section and elevation of a residential building
CO2: Use various Civil Engineering software

PRACTICAL EXERCISES

1. Introduction and use of AutoCAD for making 2D Drawings and develop plan, section and elevation of a residential building
2. Demonstration of various Civil Engineering softwares like STAAD-Pro, Revit or Primavera Project Planner, Auto CIVIL & Mx Road, Build Superfast, BIM, ArcGIS or any other equivalent software

INSTRUCTIONAL STRATEGY

Polytechnics may use any other software available with them for performing these exercises. If the above softwares are not available in the institution, demonstration of the above said software should be arranged outside the institute.