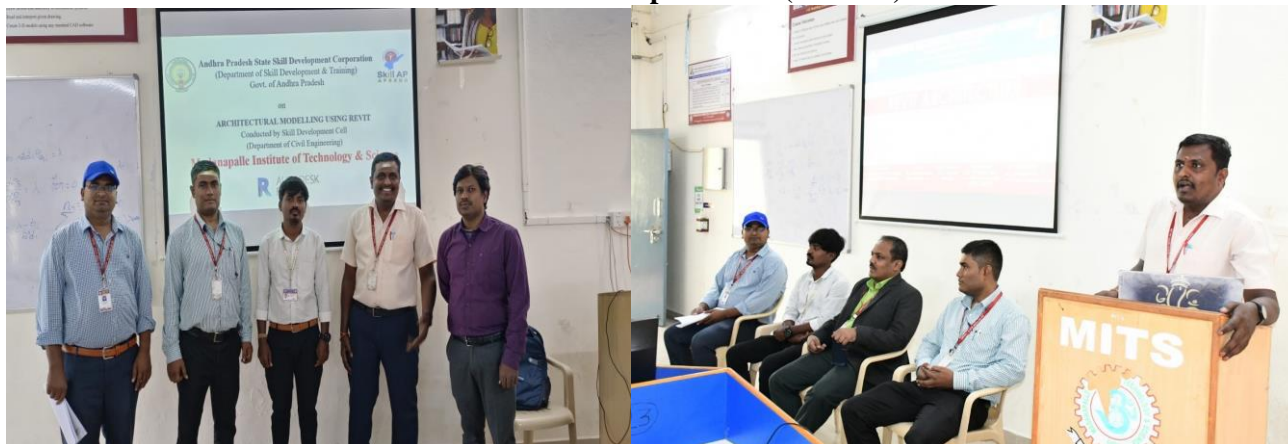


**Report on A Five-day Skill Development Training Program
On "Architectural Modelling Using REVIT"
Organized by Skill Development Cell
Date: 10.08.2023 - 14.08.2023
Venue: Siemens Computer Lab (EB :019)**



Submitted by: Dr. V.B. Thurai Raaj, Assistant Professor, Department of EEE & SPOC-APSSDC T-SDI, MITS, Madanapalle.

Co-ordinated by: Mr. R. Vinoth Kumar, Assistant Professor, Department of Civil Engineering.

Attendance: 45-Students and 3- Faculties

Resource Person: Mr Vadde Bramhesh, Executive Technical Programmer, APSSDC, Vijayawada.

The APSSDC - Skill Development Cell, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle in association with Department of Civil Engineering, MITS has organized five-day skill development program from 10.08.2023 to 14.08.2023 on "REVIT Architecture". In this program, about 48 participants participated and made the event a grand success.

A summary of the skill development program is as follows:

Dr. P. Ramanathan, Professor & Vice Principal-Academics, MITS and Dr. Dipankar Roy, Professor & Head of the Dept., Dept. of Civil Engineering, welcomed the resource person. Dr. Dipankar Roy, HoD Civil, gave the brief introduction about the five-day skill development program. Dr. V B Thurai Raaj, Assistant Professor in EEE & SPOC-APSSDC t-SDI, introduced the resource person and he handed over the session to the resource person. The Dr. P. Ramanathan, Professor & Vice Principal-Academics, inaugurated the program with his motivation speech.

The 33 students from third year, 12 students from final year and three faculties from the department of civil Engineering participated in these five days hands on training program.

DAY 1 [10.08.2023 FN]

The Training session started at 10.00 AM and the following topics were interacted with students in FN Session to update their basic skill sets to meet the corporate requirements.

1. Introduction to BIM
2. Introduction to Revit Architecture Software
3. Advantages of BIM and Various Phases used in BIM
4. Extension of File the Revit
5. Graphical User Interface of the Revit.
6. Disciplines in Revit

DAY 1 [10.08.2023 AN]

The Training session started at 1.30 PM in AN and the following topics mentioned below were learnt by students and the software plans and drawing tools were practised by them.

1. Students learned about the Project file and family files.
2. Properties palette and Project Browser
3. Drawing Tools on the Walls (line, rectangle, circles, polygon)
4. Shortcut Keys on the Revit
5. Practice on the Plans, by Using Wall Centre line Method.

DAY 2 [11.08.2023 FN]

The Training session started at 9.30 AM and the following topics were interacted with students in FN Session to update their basic skill sets to meet the corporate requirements.

1. Modifying Wall
2. Duplication of Walls and Doors, Windows
3. Components Placing
4. Material Creation of the Walls (plastering Materials)
5. Wall Opening in Revit Placing of the Doors and windows from the Load Family Files
6. Find out Dimensions by using Annotation Tab.

DAY 2 [11.08.2023 AN]

The Training session started at 1.30 PM in AN and the following topics mentioned below were learnt by students and the software plans and drawing tools were practiced by them.

1. Profile Editing of Walls
2. Creation of the Ceiling Plans Views
3. Editing and Design profile of the Ceiling Plans
4. Creating Section Views

DAY 3 [12.08.2023 FN]

The Training session started at 9.30 AM and the following topics were interacted with students in FN Session to update their basic skill sets to meet the corporate requirements.

1. Modify Tools
2. Align, Move, Copy, Rotate, Scale, Commands
3. Trim /Extend to Corners, Single Elements, Multiple Elements
4. Profile Editing Floors

DAY 3 [12.08.2023 AN]

The Training session started at 1.30 PM in AN and the following topics mentioned below were learnt by students and the software plans and drawing tools were practiced by them.

1. Creation of The Roof
2. Types of Roofs (Hip roof, Gambrel, Two side Slope, Shade Roof)
3. Roof By Soffit, Fascia , Gutter
4. Ramp Creation By using Level Creation
5. Creation of the Level

DAY 4 [13.08.2023 FN]

The Training session started at 9.30 AM and the following topics were interacted with students in FN Session to update their basic skill sets to meet the corporate requirements.

1. Levels Creation
2. Ramp Creation
3. Stair Creation
4. Material Creations

DAY 4 [13.08.2023 AN]

The Training session started at 1.30 PM in AN and the following topics mentioned below were learnt by students and the software plans and drawing tools were practiced by them.

1. Copy Paste Method
2. Parapet Wall Creation and Profile Editing
3. Annotate Tab
4. Legend Views
5. Room and Area, Volumes

DAY 5 [14.08.2023 FN]

The Training session started at 9.30 AM and the following topics were interacted with students in FN Session to update their basic skill sets to meet the corporate requirements.

1. Model Creations
2. Extrusion of the Models.
3. Rendering.
4. Download Bim Objects to Revit

DAY 5 [14.08.2023 AN]

The Training session started at 1.30 PM in AN and the following topics mentioned below were learnt by students and the software plans and drawing tools were practiced by them.

1. Schedules and Quantities
2. Sheets Creation
3. Walkthrough
4. Topo surface creation in Revit



Outcomes: students can be able to

1. Create 3D/2D Architectural element.
2. Coordinate within a project environment.
3. Design a new construction plan by using Revit Architecture Software
4. Face a core interview & get a core jobs.

Vote of Thanks given by coordinator,

I expressed my gratitude to the Management and Dr. C Yuvaraj, Principal for giving permission and financial support to organize this program. I thank Dr. C. Kamal Basha, Professor & Vice Principal- Administration for providing necessary needs in intime and his support. And I Thank Dr. A.V Pavan Kumar, Professor & HoD/EEE, for his continue guidance in all the parameters. Finally, I thank Dr. Dipankar Roy, HoD CE for giving this good opportunity to me to conduct this program.