छोटुभाई गोपालभाई पटेल प्रौद्योगिकी संस्थान, बारडोली
Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli

REPORT ON ONE-DAY WORKSHOPON
"AutoCAD and Revit Architecture"

Organized By:

Department of Civil Engineering

Chhotubhai Gopalbhai Patel Institute of Technology,

Uka Tarsadia University, Maliba Campus, Bardoli.

(28th August, 2023, Monday)

Target Audience:B. Tech(7th ,5th and 3rd semester), Diploma (5th and 3rd semester) and Intern foreign Student

No of Participants: Total **56** (Boys-45), (Girls-**7**), (Faculties-**3**), (Intern foreign Student-1)

Faculty Coordinator/Organizer:

Prof. Maulik Kakadiya, Prof. Palak Trivedi and Prof. Khyati Mistry

Detail Report on Workshop

AutoCAD and Revit Architecture

Objective of the Event:

The objective of the event was to make students familiar with AutoCAD and Revit Architecture software and to give them practical exposer through hands-on practice.

Introduction

AutoCAD play an important role for making efficient civil engineering design. These programs facilitate you to generate quality plan sets.

The design aggregation and documentation tools, which are in-built into AutoCAD, enhance productivity as well as simplify your design and documentation workflows and accelerate projects from design to completion whereas automate the tiresome manual drafting tasks.

Revit is a useful software for architects and other building professionals that can be used for architectural design and documentation. Revit facilitates the users to produce a perfect and detailed building model in quickest possible time.

Revit empowers the civil engineers to render the best performance with the creation of virtual illustration of building products. Starting from the Design Development & Coordination, 3D Modeling, and Drawing Set Creation to Quantity Take-off, civil engineers can obtain the separate product specifications of the building which range from the color, tolerance, cost and other info. All these are essential to take informed decisions.

For serving this objective, experts from Khodiyar CAD Center Pvt. Ltd. Surat, Mr. Kiran Baviskar, Mr. Adnan Bordiwala, Mr. Savan Hirapara and Ms.Jaivisha Patel were invited.

Program Schedule:

10:00 am - 10:30 am: Registration

10:30 am - 10:45 am: Inaugural Function

10:45 am - 12:30 pm: Session 1 - Introduction to AutoCAD 2D: Working with layers, dynamic blocks, different types of drawings.

01:30 pm - 03:00 pm: Session 2 - Introduction to Revit Architecture: BIM introduction, Estimation and Costing

03:00 pm - 03:30 pm: Felicitation and Feedback

Inaugural Function

The session was started with floral welcome and an inaugural ceremony. Coordinator and anchor **Ms. Palak Trivedi** welcomedall the dignitaries. Director of CGPIT, **Prof. B. M. Vadher** felicitated the expert Mr. Kiran Baviskar, Center Manager of Khodiyar CAD Center Pvt. Ltd.with bouquetand **Dr. Manoj Gundalia**, Associate Professor and Head, Department of Civil Engineering felicitated the Director, CGPIT, Prof. B. M. Vadherwith bouquet. Similarly other experts Mr. Adnana Bordiwala, Ms. Javisha Patel and Mr. Savan Hirapara were also welcomed by the coordinators. Dr. Manoj J, Gundalia welcomed the expert and other dignitaries on behalf of DCE and explain the importance of softwares in the field of civil engineering. He explained the importance of co-curriculum activities for holistic development of studentsand purpose of this workshop in his inaugural address. The Director, CGPIT Prof. B. M. Vadherdiscussed need of the workshop and mentioned that CGPIT always encourage such activities for the benefit of the students..He appreciated and congratulated to the DCE and coordinators **Mr. Maulik Kakadiya, Ms. Palak Trivedi**and **Ms. Khyati Mistry** for organizing this workshop. This was followed by the technical sessions.

Session-1

In the first session, experts of Khodiyar CAD center explained the participants the basic tools of AutoCAD 2D, How to work with layers, making dynamic blocks, creating different type of drawings and drawing using reference image. They gave thorough knowledge about applications of AutoCAD software in the civil engineering field. The experts gave all the participants 2D drawing, which they have to prepare using AutoCAD. All the participants had prepared the drawing in AutoCAD with the help of the experts.

Session-2

The second session of the workshop was associated with Revit Software Hands on training. In this session initially participants were briefed with the basic tools of Revit Architecture. They were also introduced with BIM (Building Information Modelling) and how to perform Estimation and costing of the structure in the software. After giving thorough introduction of Revit Architecture, hands on sessions were performed in the software.

The one day workshopended with valedictory function. Total 56 students including one intern student **Mr. Adam Ali Rashad Salem from Egyptian Chinese University**, Egypt have actively participated in the workshop. Vote of thanks was proposed by Ms. Palak Trivedi.The anchoring and coordination of the entire workshop was done by Organizing Secretaries Ms. Palak Trivedi, Maulik Kakadiya and Khyati Mistry.The workshop ended successfully and everyone felt contended with every aspect of the workshop. A huge vote of thanks and gratitude were extended to the UTU management for their motivation and honorable guest speakers for their time and incredibly good talk on the relevant topics.

The Department of Civil Engineering hosted a single-day workshop titled "AutoCAD and Revit Architecture" aimed at B. Tech and Diploma students. Renowned experts, namely Mr. Kiran Baviskar, Mr. Adnan Bordiwala, Mr. Savan Hirapara, and Ms. Jaivisha Patel, from Khodiyar CAD Center Pvt. Ltd in Surat were the guest speakers at this seminar. The event saw active participation from a total of 56 students, including one intern named Mr. Adam Ali Rashad from Egyptian Chinese University, Egypt.

Photo Gallery