



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTUK, Kakinada)
NAAC Accredited Institute and Inclusion of section 2(f) & 12(B) of UGC Act
NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh
Phone: 9963981111, 9963694444, E-Mail: info@diet.edu.in, Web: www.diet.edu.in

**DEPARTMENT OF CIVIL ENGINEERING IN ASSOCIATION WITH
DIET IE(I) STUDENT CHAPTER AND APSSDC**

ARCHITECTURAL MODELING USING REVIT WORKSHOP REPORT - 10/11/2021 TO 17/11/2021



About CIVIL Engineering Department:

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programme and subsequently the intake got enhanced to 120 in the year 2013. At present the Department intake for undergraduate (B.Tech.) is 60. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Department has a mix of both experienced and young faculty. Majority of the faculty members actively involve themselves in improving their education qualifications and research works. Faculty and students are encouraged to attend and participate in various seminars, workshops and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences, and seminars.

The Civil Department is well equipped with spacious laboratories and experienced technicians. The department of Civil Engineering also offers various consultancy works. Apart from academic, the students get indulged in laboratory experiments with various consultancy works under the Civil Engineering Technology Association (CETA) Club Activities.

VISION

To impart knowledge and excellence in Civil Engineering with innovative perspectives to the student community and make them strong Engineers ethically for building a strong nation.

MISSION

To promote innovative ideas with original thinking in the minds of budding Engineers to face the future challenges.

- To provide knowledge base and consultancy services to the community in all areas of Civil Engineering.
- To produce Civil Engineers of high caliber with advanced technical skills and ethical values to serve the society and the nation.
- To make the Department as a centre of excellence in the field of Civil Engineering and allied research activities.



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About The Workshop:

In its pursuit of excellence in technical education The Department of Civil Engineering of Dadi Institute of Engineering & Technology (DIET) in association with DIET IE(I) Student Chapter and APSSDC have organized the “Architectural Modeling using Revit Workshop” from 10/11/2021 to 17/11/2021, in Computer Lab-2 of Dadi Institute of Engineering & Technology campus. With an objective to develop students’ practical knowledge with respect to planning and architecture and also to introduce BIM which is Industry 4.0 in Civil Engineering to the students, the “Architectural Modeling using Revit Workshop” has been organized.

The poster features a background image of modern skyscrapers. At the top left is the DIET logo. The main text is centered and reads: "DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY", "Approved by A.I.C.T.E. New Delhi & Permanently Affiliated to JNTUK", "NAAC Accredited Institute & Inclusion under section 2 (f) and 12 (B) of UGC Act", "DEPARTMENT OF CIVIL ENGINEERING & IE (I) STUDENT CHAPTER", "cordially inviting you to attend the Inaugural function of A one week WORKSHOP (10/11/21 -17/11/21) ON ARCHITECTURAL MODELING USING REVIT IN ASSOCIATION WITH APSSDC". Below this, it says "Andhra Pradesh State Skill Development Corporation Skill AP APSSDC". At the bottom, it lists the date "DATE: 10th NOV-2021", time "TIME: 9:00 AM", and location "Seminar Hall-2". Logos for APSSDC, Skill AP, and JNTUK are also present. At the very bottom, names and titles are listed: "Sri N. Ramu HOD, CE", "Dr. Challa Narasimham PRICIPAL", and "Sri. Dadi Ratnakar CHAIRMAN".

Architectural modeling using revit Workshop Poster

About Autodesk Revit Architecture

Autodesk Revit Architecture is now available to buy as part of the best-selling Autodesk Revit 2019 software solution for BIM and is a single affordable package to cover all the Architectural design needs.

Revit Architecture is Autodesk’s BIM software solution for structural engineering companies and structural engineers, that provides a feature rich tool set helping to drive efficient design processes in a BIM (Building Information Modelling) environment, or when working with other construction disciplines using Autodesk CAD software such as Autodesk® Revit® Architecture and Autodesk® Revit® MEP.

Autodesk® Revit® Architecture helps typical workflows between initial architectural conceptual designs, through to structural engineering and out to detailed drafting by allowing all parties access to the same project database.

This means that the impact and effect of model changes can be assessed immediately thereby reducing errors as existing documentation and views are updated automatically using Revit’s parametric technology saving time and streamlining coordination between Architects, Engineers and contractors.



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Autodesk® Revit® Architecture includes a host of parametric structural components to dramatically speed up initial design processes and allows for multiuser access to complex models further streamlining initial design workflow, before exporting the entire or a partial analytical model to structural analysis software such as Autodesk® Robot™ Structural Analysis or other popular design and analysis applications.

Why Revit?

Design: Model building components, analyze and simulate systems and structures, and iterate designs. Generate documentation from Revit models.

Interoperability: Work with members of an extended project team. Revit imports, exports, and links your data with commonly used formats, including IFC, DWG™, and DGN.

Collaborate: Multiple project contributors can access centrally shared models. This results in better coordination, which helps reduce clashes and rework.

Visualize: Communicate design intent more effectively to project owners and team members by using models to create high-impact 3D visuals

FEATURES

Building information modeling software

Learn about Revit® features for BIM, the intelligent model-based process used to plan, design, construct, and manage buildings and infrastructure. Revit supports a multidiscipline collaborative design process.

MORE FEATURES

Architectural design, Structural engineering and fabrication, MEP engineering and fabrication, Construction

Andhra Pradesh State Skills Development Corporation

Andhra Pradesh State Skills Development Corporation provides specialized training to the Students of Engineering colleges, Polytechnics etc., in various Disciplines in different courses by conducting seven day workshops.

Inauguration Function:

All the final year students have participated in the workshop. The workshop was conducted for 7 days from 10/11/2021 to 17/11/2021.

On the first day of the workshop i.e., on 10/11/2021, the inaugural session of the workshop was conducted in Seminar Hall-2 of DIET College Campus. The inaugural session was started with prayer song. During the inauguration the team from APSSDC Mr. K.Srikanth, Mrs. B. Vani Priyanka and Mr. Dali Naidu were introduced by IE(I) Coordinator.



Inaugural Session started with Prayer Song

During inaugural session, the Civil Engineering Department HOD Er. N. Ramu has addressed the gathering and shared his experience and thoughts about the importance of workshop. Further he suggested students to actively learn the Architectural modeling using revit as it helps in creating job opportunities after completing the graduation.



Civil HOD Er.N.Ramu addressing the Civil Engineering Students



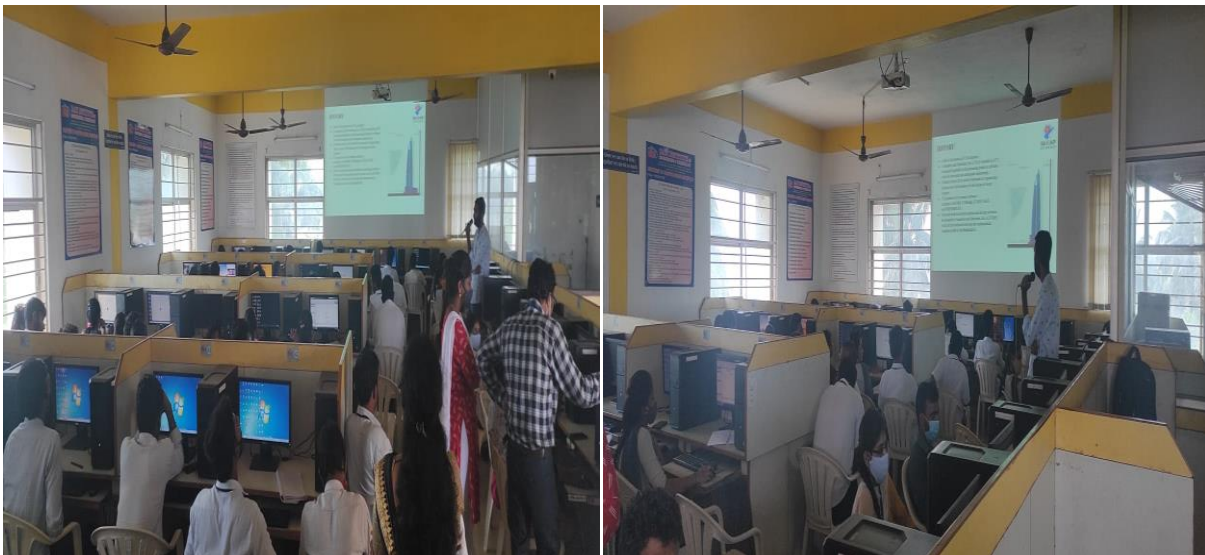
Civil Engineering Students and Faculty members participated in Inaugural Session

Principal Dr. Challa Narasimham has advised students to channel their thought process in order to learn new skills. He also added the future of engineering will be revolving around Industry 4.0 and further he stressed on the importance of the workshop.

APSSDC team member Mrs. B.Vani Priyanka has addressed gathering and thanked the Chairman Sir, Principal Sir, HOD Sir, and IE(I) Coordinator on behalf of APSSDC for taking necessary initiation and conducting the workshop.

Student Participation

After the inaugural session, the workshop has commenced in the computer lab-3 and R&D Cell. On the first day, introduction to workshop and introduction to Architectural modeling using revit were elaborated to the students.



Civil Engineering Students Introduced to Architectural Modeling using Revit

On Day 2, Day 3, Day 4, Day 5, Day 6 and Day 7 the students have learned about Drawing the plan, Laying of floor tiles, ceiling, Various commands for modify, Developing of staircases, ramps, railings, Plastering, painting & photos for walls, 3D model text, Creation of levels, Creating Compound walls, Sweep commands for color fill legend, Creating Shaft opening, Mulimicant staircase, Creating Topo surface, Various views of the drawing, Methods for scheduling and documentation.



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The training program included state of art teaching using projector and the students have practiced for about 3-4 hours daily and have gained sufficient practical knowledge on Architectural Modeling using Revit.



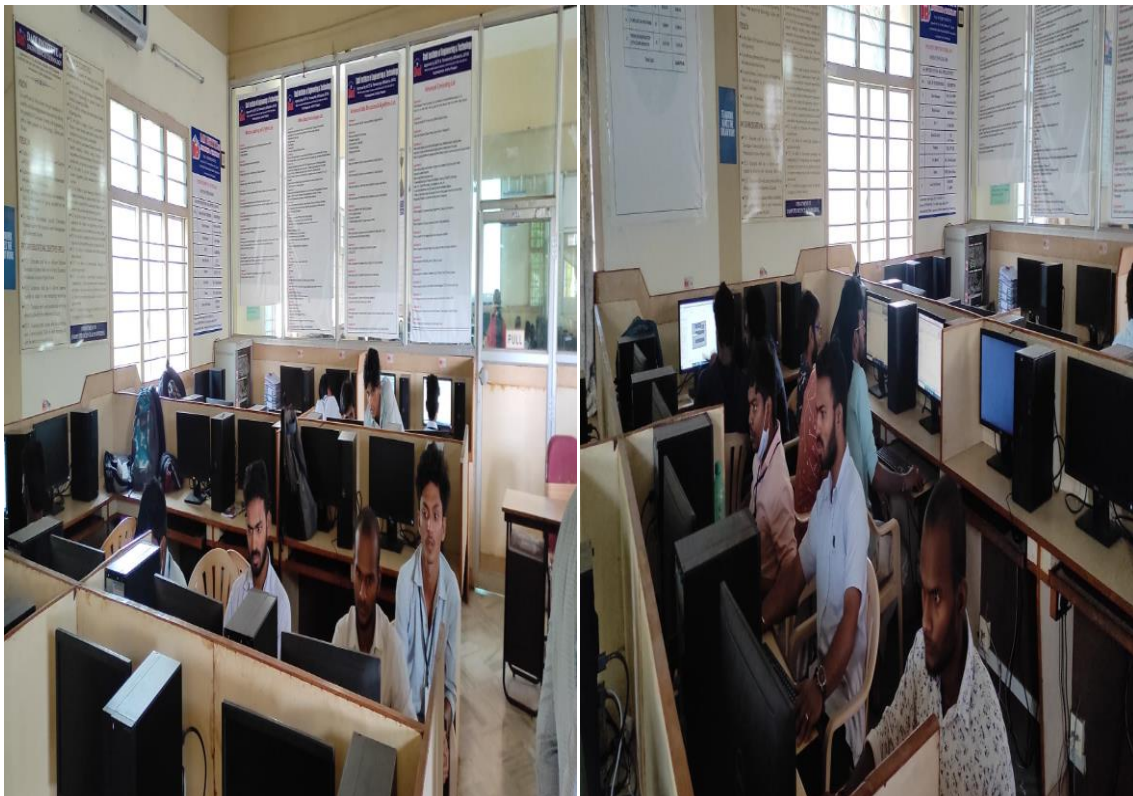
Civil Engineering Students practice of Architectural Modeling using Revit Day-1



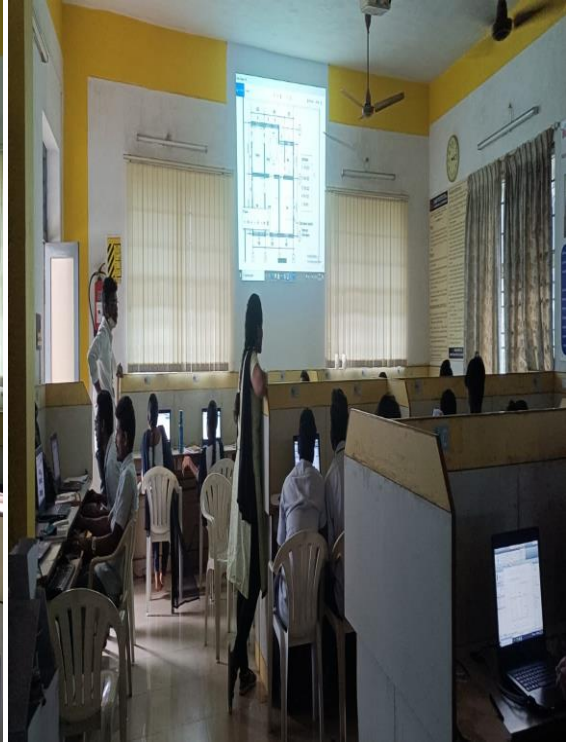
Civil Engineering Students practice of Architectural Modeling using Revit Day-2



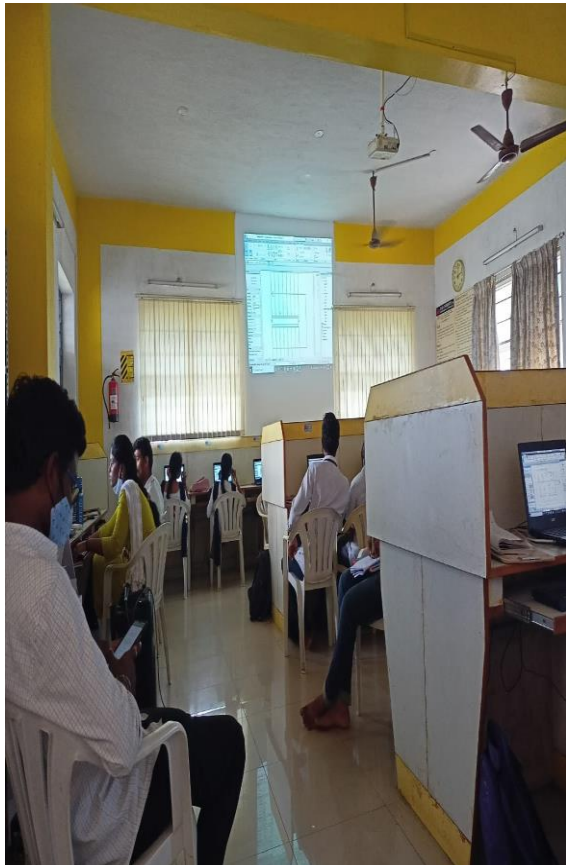
Civil Engineering Students practice of Architectural Modeling using Revit Day-3



Civil Engineering Students practice of Architectural Modeling using Revit Day-4



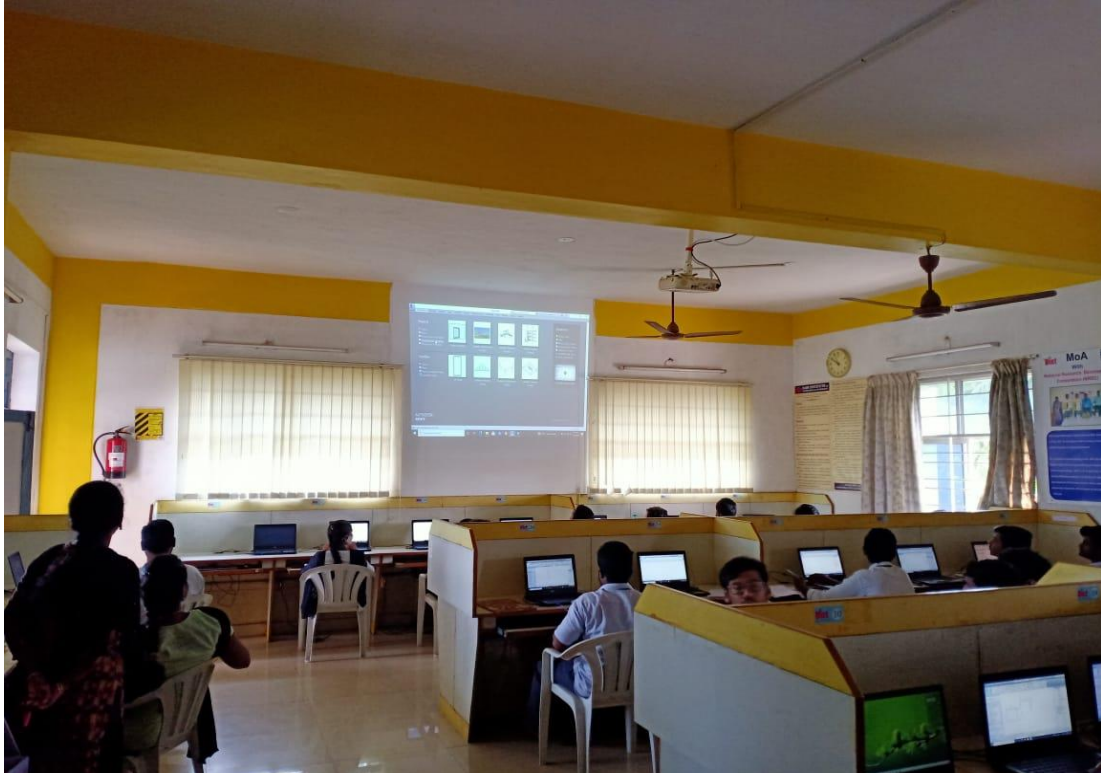
Civil Engineering Students practice of Architectural Modeling using Revit Day-5



Civil Engineering Students practice of Architectural Modeling using Revit Day-5



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Civil Engineering Students practice of Architectural Modeling using Revit Day-6



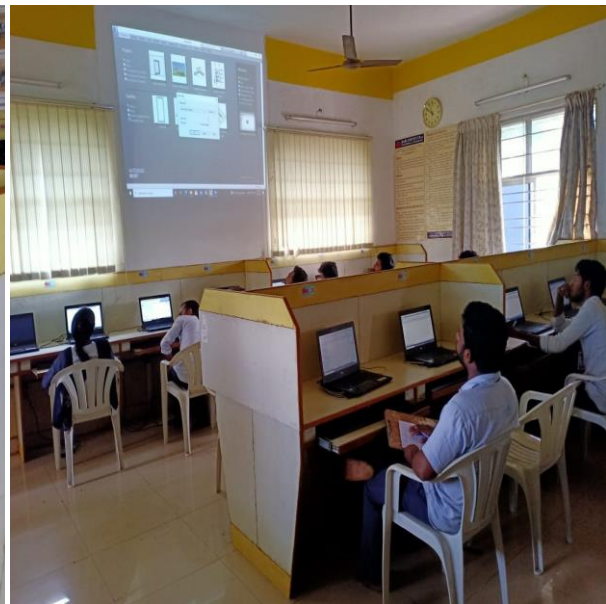
Civil Engineering Students practice of Architectural Modeling using Revit Day-6



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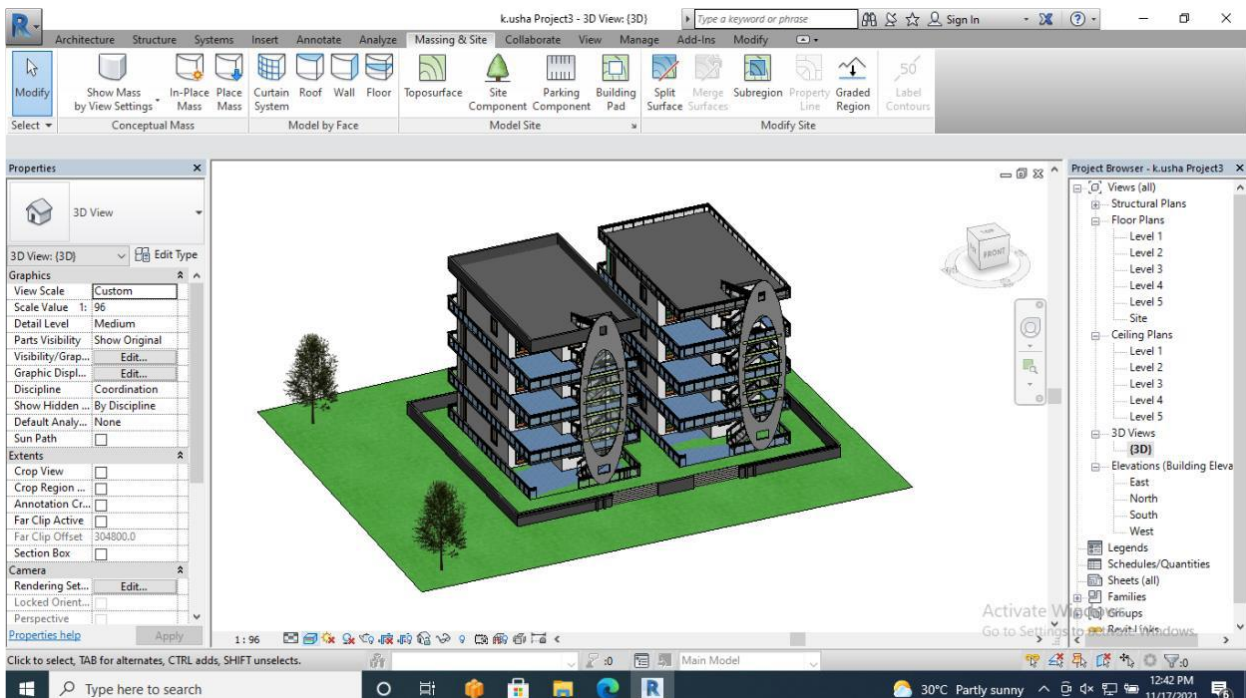
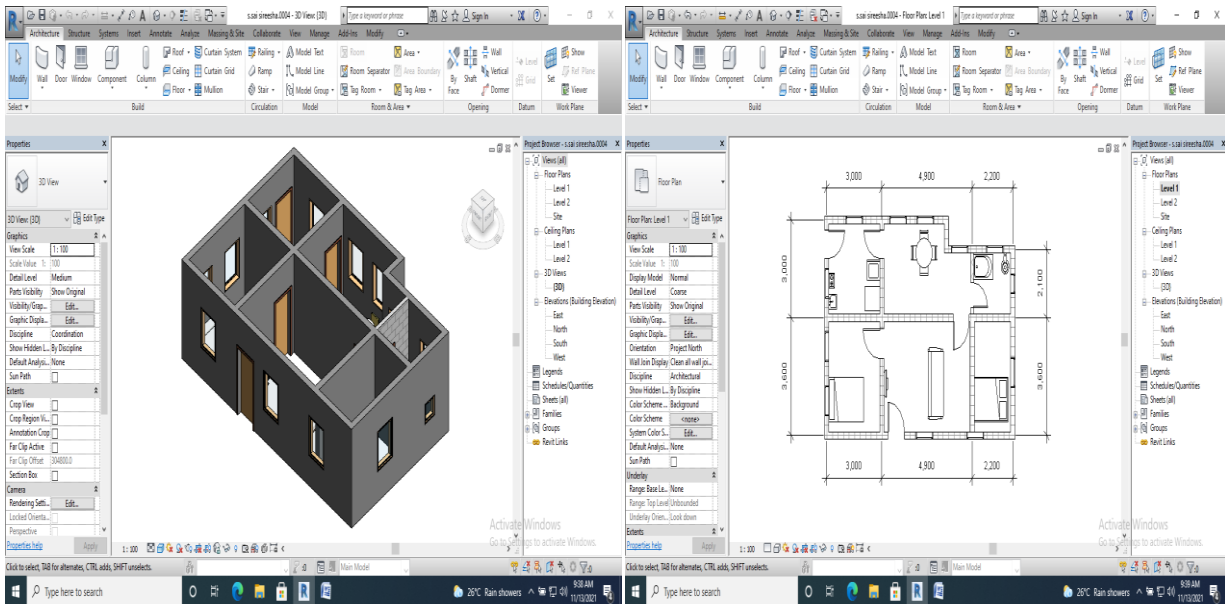
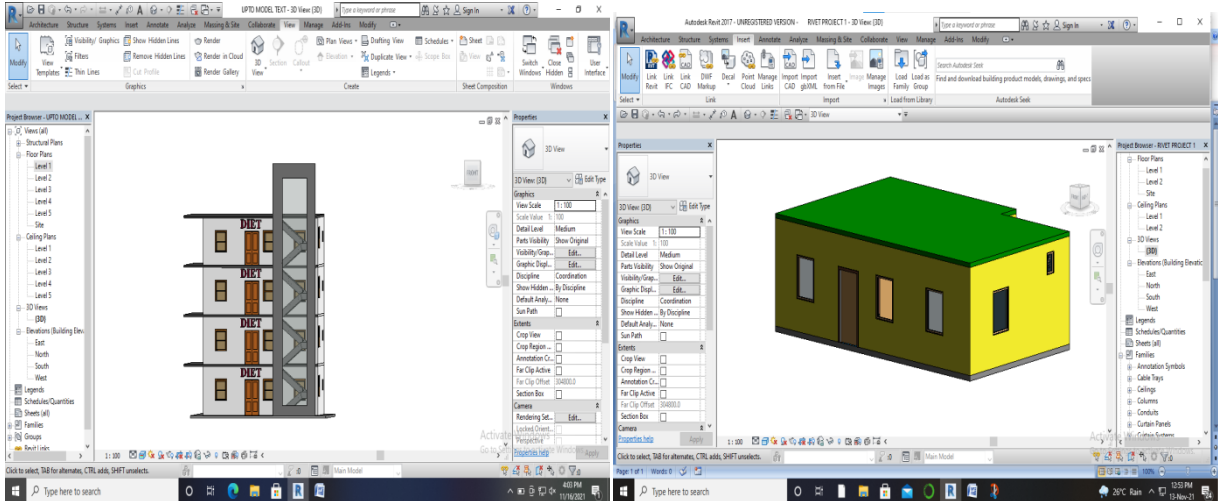
Civil Engineering Students practice of Architectural Modeling using Revit Day-7



Civil Engineering Students practice of Architectural Modeling using Revit Day-7



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Architectural Models prepared by Civil Engineering Students using Revit



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Valedictory Function

The valedictory function was initiated and anchored by Ms.K.Indira (Final year B.Tech Civil) a DIET IE(I) Student Chapter member. The dais was shared by Dr.Challa Narasimham, Principal, DIET., Er.N.Ramu, HOD, Civil Department, DIET, APSSDC Team members Mr. K.Srikanth, Mrs. B. Vani Priyanka and Mr. Dali Naidu and Mr.Y.Hemanth Kumar, IE(I) Convenor & Assistant Professor, Civil Department.

While addressing the gathering of students and faculty IE(I) Coordinator Mr.Y.Hemanth Kumar has appreciated the efforts of APSSDC Team members, all students for participating and support of co-faculty members in successfully organizing the workshop. Civil HOD Er.N.Ramu has motivated students by explaining them with the benefits of Revit which helps in creating a wonderful career. He advised students for hard work and time management.



Civil HOD Er.N.Ramu addressing the gathering in Valedictory Function

Dr.Challa Narasimham, Principal, DIET has appreciated the APSSDC Team and also students. He advised to IE(I) Student Chapter to organize similar workshops and event for the benefit of students for exploring their potentials.



Principal Dr. Challa Narasimham addressing the gathering in Valedictory Function



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The team members of APSSDC Mr. K.Srikanth, Mrs. B. Vani Priyanka, and Mr. Dali Naidu were felicitated by Principal Dr.Challa Narasimham, Er.N.Ramu, HOD, Civil Department, and other faculty members of Civil Department.



Felicitation of APSSDC Team in Valedictory Function

The program was concluded with vote of thanks by Mr.Sampath Bhagavan (Final year B.Tech Civil) with a special mention to Er.N.Ramu, HOD, Civil Department, Mr. M RVSG Gupta Deputy HOD, Civil Department and all faculty members and students.



Vote of Thanks by Mr.Sampath Bhagavan in Valedictory Function

విద్యార్థి దశలో ఆధునిక నైపుణ్యత పెంపొందించుకోవాలి



ఆవవాపల్లి, (విశాఖ సమాచారమే): విద్యార్థి దశలోనే ఆధునిక నైపుణ్యతను పెంపొందించుకోవాలని విద్యార్థులకు వైట్ కళాకాల ప్రిన్సిపాల్ డాక్టర్ చల్లా నరసింహం తెలిపారు. స్థానిక వైట్ కళాకాలలో సివిల్ ఇంజనీరింగ్ విద్యార్థులకు

రివిట్ ఆర్కిటెక్చర్ వర్క్ షాప్ వారం రోజులుగా ఏ పీ ఎస్ ఎస్ డి సి వైట్ కళాకాల వ్యాప్తంగా నిర్వహించారు ఈ సందర్భంగా ప్రిన్సిపాల్ నరసింహం మాట్లాడుతూ భవిష్యత్తులో మరిన్ని వర్క్ షాప్ లను నిర్వహిస్తామని అని అన్నారు సివిల్ ఇంజనీరింగ్ విభాగం ఆధిపతి ఎం రాము మాట్లాడుతూ ఈ ప్రస్తుతం ఇండస్ట్రీలో ఉన్న అవకాశాల గురించి వివరిస్తూ ప్రతి సివిల్ ఇంజనీర్ ఆచరణాత్మక విద్యను అభ్యసించాలని అన్నారు ఈ కార్యక్రమంలో రాష్ట్ర స్కీల్ డెవలప్మెంట్ సంస్థ ప్రతినిధులు సివిల్ ఇంజనీరింగ్ విభాగ అధ్యాపకులు అధ్యాపకేతర సిబ్బంది విద్యార్థులు తదితరులు పాల్గొన్నారు.

Paper Clipping of Architectural Modeling using Revit