

Report on Autodesk REVIT Architecture software workshop

SDC Workshop: *Autodesk Revit Architecture*

Resource person: REVA NEST _ CADCENTER

Venue: Room No 431_ School of Architecture

Semester: 5 th Semester

No. of Students: 63

Dates: 22nd September to 25th September, 2022.

As a part of the **Autodesk Revit Architecture** course, the School of Architecture conducted a workshop for the 5th-semester students on **Autodesk Revit Architecture software**. The purpose was to introduce the basics of REVIT from the introduction of REVIT to Sheet composition with a design and completed the 32 Hours of the workshop.

The curriculum was structured as a framework for learning software through project-based content based on engaging real-world industry projects that build gradually in difficulty, offering students a chance to achieve small successes as they build their technical skills. The concept of computation in design can enhance a student-level approach to perceive 3D form and directs them towards exploring new ideas from starting a project, how to use the Revit with Step by step process, Plans, levelling, massing, presentation, and rendering for any kind of commercial or studio project. Students achieve to develop a model of their architectural design project with a detailed furniture layout that can perceive sectional, Elevation, and rendered views.

The Contents that covered in this SDC are an introduction, creating a project, creating walls, creating floors, adding an exterior wall with materials, modifying the materials, adding the curtain walls, Attaching the walls to the roof, Adding the stairs and Railings, Documenting the projects, Adding Sloped Roof, and Creating a sheet. Students learned the basic application of Revit like how to start a plan, give the level, use of families, putting furniture components, rendering, and Composition of the sheets on residence project.



School of Architecture in Collaboration with REVA Nest and UIIC offering 4 Days Skill Development course for 5th Semester students.

Objective -

Autodesk Revit Architecture is specifically for empowering design to develop ideas from concept to construction with a coordinated and consistent model-based approach.

Learning Outcomes :

- Introduction to REVIT and its importance.
- Step-By-Step Process for any kind of commercial or studio project.
- Fast, accurate modelling throughout the whole design process gives confidence in designs from concept to completion.
- Applications of REVIT in Academic Projects for premium jobs in future.

Venue School of Architecture	Dates 22 nd to 25 th September, 2022	Resource Person REVA NEST_CADCENTRE	www.reva.edu.in
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DAY 1 – 22nd Sept 2022.

Introduction to the Software, learning about the basic of the Revit like toolbars, how to import the plans from AutoCAD, creating walls, windows, doors, creating floors and roof as well as changing the materials. Also, learnt how to add of furniture from families in the project.

DAY 2 – 23rd Sept 2022.

On 2nd day of SDC, the students learnt about the Massing, creating different types of staircase, creating the site, massing on the elevation through extrusion, creating wardrobes, rendering the building etc.

DAY 3 – 24th Sept 2022.

The learning outcomes of this day are how to put the lights in the ceiling, making the false ceiling, rendering the interior views and creating walkthrough of the project.

DAY 4 – 25th Sept 2022.

The last day of SDC they have learnt how to compose the sheets, Scheduling of doors and windows. They had 1 hour time problem on residence where they had to make the floor plans with different levels, site and rendered the view. After that, they composed the sheet and submitted it.

The following are the few photographs from the Session:







