



BABA FARID COLLEGE OF ENGG. & TECHNOLOGY

REVIT Software for Planning and Drawing

Name of the Program	Duration	Documents (Topic Covered in report is Curriculum)	Page No.
REVIT Software for Planning and Drawing	33 Hours	List of the students enrolled(with signature of students)	1
		Model certificates	2-4
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***Topic Covered in report is Curriculum**

Baba Farid College of Engineering & Technology (Attendance Register)

Programme/Semester: B.Tech. Civil Engineering /4th, 6th, 8th Semester

Teacher Name: Er. Jaspreet Singh, Assistant Professor

Course Code: CC_RPD

Certificate Course : Revit Software for planning & Drawing (Lab)

Session : 2021-22 (EVEN SEMESTER)

S.No.	Name	UID	Semester	25-03-22	01-04-22	04-04-22	08-04-22	11-04-22	18-04-22	22-04-22	25-04-22	02-05-22	06-05-22	09-05-22	13-05-22	16-05-22	20-05-22	23-05-22	27-05-22	30-05-22	03-06-22	06-06-22	10-06-22	13-06-22	17-06-22	DELIVERED	TOTAL	%age	Signature of student
1	Amritpal singh	1873014	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Amritpal
2	Talwinder singh	1873007	8th	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	38	86.36	Talwinder
3	Arshdeep Kaur	1873026	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	42	95.45	Arshdeep
4	Navdeep Singh	1873004	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Navdeep
5	Manpreet Singh	1876019	8th	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	38	86.36	Manpreet
6	mohit singla	1873048	8th	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	38	86.36	Mohit
7	Jaspreet kaur	1873038	8th	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Jaspreet
8	Ankit Kumar	1873015	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Ankit
9	Arashdeep singh	2073020	4th	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	34	77.27	Arashdeep
10	Davander Kumar	2073021	4th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Davander
11	Harpinder singh	1875034	8th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Harpinder
12	Anju	1873025	8th	PRESENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Anju
13	sukhchain singh	2073008	4th	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Sukhchain
14	Vakeel Singh	1973036	6th	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Vakeel
15	Singga mayum rabeeah Sheikh	1873030	8th	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Singga
16	Lermuel Malsawmdawnga	1873045	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Lermuel
17	Baljinder Singh	1873024	8th	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	32	72.73	Baljinder
18	md fahimur rahman	1873032	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	md fahimur
19	Jatin Singla	1873016	8th	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Jatin Singla
20	Shahid Hussain Wani	2073033	4th	PRESENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Shahid
21	Waheed Ul Zaffar Dar	2073044	4th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	34	77.27	Waheed
22	Lawmsangzuala	1873044	8th	PRESENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	34	77.27	Lawmsangzuala
23	Ather Shabir Beigh	2073048	4th	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	14	31.82	Ather
24	Hardeep Singh	1973034	6th	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	16	36.36	Hardeep
25	Nitesh Kumar Dev	1873034	8th	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	34	77.27	Nitesh
26	Yubraj k.c	1873035	8th	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Yubraj
27	Suhail hassan	2073040	4th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	38	86.36	Suhail
28	Pukhrimayum Zaid Masuad	1973913	6th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	32	72.73	Pukhrimayum
29	Akashdeep singh	1873040	8th	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	36	81.82	Akashdeep
30	Karandeep singh	1873043	8th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	32	72.73	Karandeep
31	HM Anees Choudhury	1873036	8th	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	38	86.36	HM-Anes
32	Rahul sharma	1873037	8th	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Rahul
33	harpreet kumar	1873041	8th	PRESENT	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	32	72.73	Harpreet
34	Ph prithviraj	1973023	6th	PRESENT	PRESENT	ABSENT	ABSENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	34	77.27	Ph-Prithviraj
35	N. Prithviraj Singh	1973014	6th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	ABSENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	N. Prithviraj
36	Zothantluanga	1873047	8th	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	PRESENT	44	40	90.91	Zothantluanga

Jaspreet Singh

Sr. No.CE/2021-22/EVEN/CC/RPD/001

BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY

Muktsar Road, Bathinda, Punjab (India)

(Approved by AICTE & Affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda)

CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **Arashdeep singh** UID **2073020** Program **B Tech Civil Engineering, Semester 4th** has successfully completed certificate course on “**REVIT Software for Planning & Drawing**” which was organized by Department of Civil Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Bathinda, Punjab(India)



Er. Jaspreet Singh
Course Coordinator
Department of CE

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Bathinda, Punjab(India)



Er. Tanu
Head
Department of CE

Sr. No.CE/2021-22/EVEN/CC/RPD/002

BABA FARID COLLEGE OF ENGINEERING AND TECHNOLOGY

Muktsar Road, Bathinda, Punjab (India)

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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **Davander Kumar** UID **2073021** Program **B Tech Civil Engineering, Semester 4th** has successfully completed certificate course on “**REVIT Software for Planning & Drawing**” which was organized by Department of Civil Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Bathinda, Punjab(India)



Er. Jaspreet Singh
Course Coordinator
Department of CE

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Bathinda, Punjab(India)



Er. Tanu
Head
Department of CE

Sr. No.CE/2021-22/EVEN/CC/RPD/003

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Muktsar Road, Bathinda, Punjab (India)

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CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **Sukhchain singh** UID **2073008** Program **B Tech Civil Engineering, Semester 4th** has successfully completed certificate course on “**REVIT Software for Planning & Drawing**” which was organized by Department of Civil Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Bathinda, Punjab(India)



Er. Jaspreet Singh
Course Coordinator
Department of CE

**BABA FARID
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Bathinda, Punjab(India)



Er. Tanu
Head
Department of CE



Report

on

REVIT Software for Planning & Drawing

Eligible Students: B.Tech. 4th, 6th & 8th Semester

Date: 25-03-2022 to 17-06-2022

Duration of Course: 33 Hours

Course Code: CC_RPD

No. of students Enrolled: 36

Timing: 01.50-03.20

Days: Monday & Friday

Course Coordinator: Er. Jaspreet Singh, Assistant Professor (CE)

REVIT is a building information modeling (BIM) software developed by Autodesk, catering to architects, engineers, and construction professionals. It offers a comprehensive set of tools for designing, constructing, and maintaining buildings and infrastructure. With its user-friendly interface and analytical capabilities, REVIT enables efficient architectural design, MEP engineering, structural engineering, construction documentation, and project collaboration.

Throughout the course, students were evaluated based on skill tests, hands-on practice, attendance, and technical knowledge. The feedback from students was overwhelmingly positive, indicating their successful acquisition of knowledge and skills. Out of the 36 participants, 34 students received certificates upon completing the course.

Teaching Pedagogy:

The course began with an introduction to the basic techniques of REVIT, covering initial software settings and the user interface. Students were then exposed to various modules, including structures and annotation, types of loads and patterns, requirements for structure design, and reinforcement settings. These modules provided in-depth knowledge of REVIT functionalities, such as fabric selection, foundation slab types, line patterns, load types, and material selection.



Topics Covered:

The modules covered in this course are as follows:

Module-1: Basics of REVIT software

- Introduction to the basic techniques of REVIT
- Basic initial settings and user interface of the software
- Analytical Link types in detail

Module-2: Structures and Annotation

- Annotation Family Label Types in detail
- Fabric (select all three) in detail
- Foundation Slab Types for different types of structures

Module-3: Types of loads, patterns, and styles

- How to do Halftone and Underlay Settings
- Line Patterns, Line Styles for different structures
- Load Types for different structures

Module-4: Materials for different structures

- Requirement for structure design
- Reinforcement Settings and Slab Edge Settings
- Structural Settings for different structures

Assessment Procedure:

The students were evaluated throughout the course based on four parameters: Technical Knowledge, Hands-on Practice, Skill Test, and Attendance. Each parameter carried a certain weightage in the overall evaluation.

1. Technical Knowledge in Concerned Field (20 marks):

This parameter measured their theoretical knowledge, conceptual understanding, and ability to apply that knowledge to practical scenarios.

2. Hands-on Practice (10 marks):

Hands-on practice evaluated the student's ability to apply their knowledge in practical situations. It measured their proficiency in utilizing tools, techniques, or software relevant to the course.

3. Skill Test (10 marks):

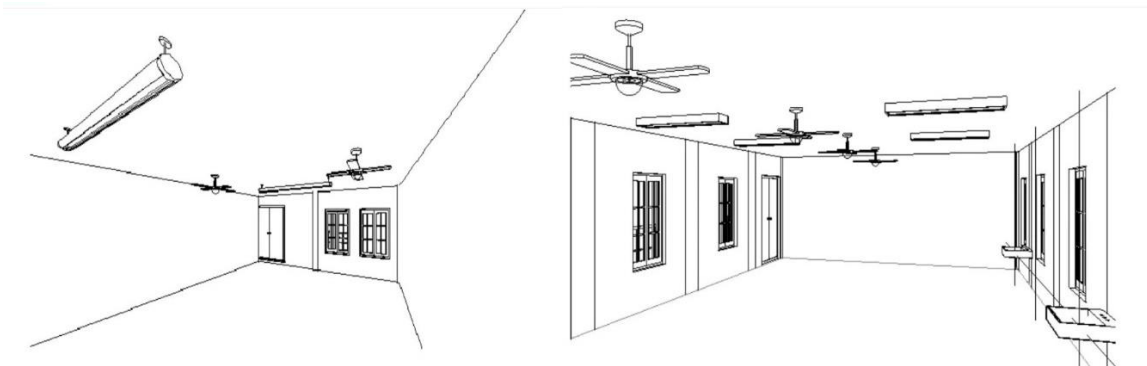
The skill test assessed the student's competency and proficiency in specific skills related to the course. It focused on practical skills that were essential for the field of study.

4. Attendance (10 marks):

Attendance refers to the student's regular presence in the course. It emphasizes the importance of active participation and consistent engagement throughout the duration of the program.

Outcomes:

1. Acquired knowledge and skills in architectural design, building element analysis, and static analysis from the cloud.
2. Proficiency in creating structural analytical models and utilizing BIM-based building performance workflows.
3. Enhanced efficiency in cropping non-rectangular model areas and managing elevation cut-line configuration.
4. Mastery in automatically displaying dimension values and deriving construction insight from design models.
5. Proficiency in calculating detailed material quantities and displaying totals in current or load values.
6. The project undertaken during the course involved designing of building structure using REVIT. Students had the opportunity to apply their knowledge and skills to develop an architectural model, perform analysis, and generate accurate documentation.



Inside views of Building structure project using REVIT



3D Design of building structure project using REVIT