POORNIMA
COLLEGE OF ENGINEERING

Approved by AICTE
Affiliated to Rajasthan Technical University, Kota
Recognized by UGC under Section 2(f) of the UGC Act, 1956

List and Reports of Workshops
(Session 2023-24)

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
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Poornima College of Engineering, Jaipur
List of Workshops Organized in Session 2023-24

S. No	Session	Date of Activity	Name of Activity
1	2023-24	2-8 November 2023	SKETCHUP WORKSHOP
2	2023-24	2-8 November 2023	Staad Pro Workshop
3	2023-24	22 November 2023	Workshop on Total Station
4	2023-24	5 December 2023	Workshop on Technical Writing in MS Word
5	2023-24	14-16 May 2024	Workshop on DIP & Its Application
6	2023-24	20-22 May 2024	Report of Workshop on Market based Cost estimation & Quantity Analysis
7	2023-24	2-6 July 2024	Workshop on ETABs
8	2023-24	2-6 July 2024	Workshop on REVIT/BIM
9	2023-24	28-Mar-24	Ethical Dilemma Scenarios Activity
10	2023-24	8 December	Workshop on PCB Designing
11	2023-24	12 October 2023	One Day Workshop to Commemorating International Standards Day as MANAK MAHOTSAV
12	2023-24	01-07 november 2023	i3 Training on “Advance Manufacturing”

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Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Report On SKETCHUP WORKSHOP

NAME OF ACTIVITY: Report on SKETCHUP WORKSHOP

DATE & DURATION: 2-8 November 2023

ORGANIZED BY: Department of Civil Engineering

S. No.	Course ID	Workshop Name	No. of Modules	Course Duration	Course Facilitator
1.	AOC-DEP- CIV-TDM	SKETCH UP 3D MODELLING	5	36 Hours	Siddhi Vaid

COURSE ID: AOCE01

COURSE TITLE: SKETCH UP 3D MODELLING

OBJECTIVE:

- Introduce participants to the basics of Sketch Up software.
- Develop skills in creating accurate and detailed 3D models for civil engineering projects.
- Enable participants to visualize and communicate design concepts effectively.
- Facilitate hands-on learning through practical exercises and real-world examples.

COURSE DESCRIPTION:

The SketchUp 3D Modeling Workshop for Civil Engineering Students was organized to equip participants with practical skills in using SketchUp for creating 3D models relevant to civil engineering projects. The workshop aimed to bridge the gap between theoretical knowledge and practical application, providing students with a hands-on experience in a widely-used 3D modeling tool.

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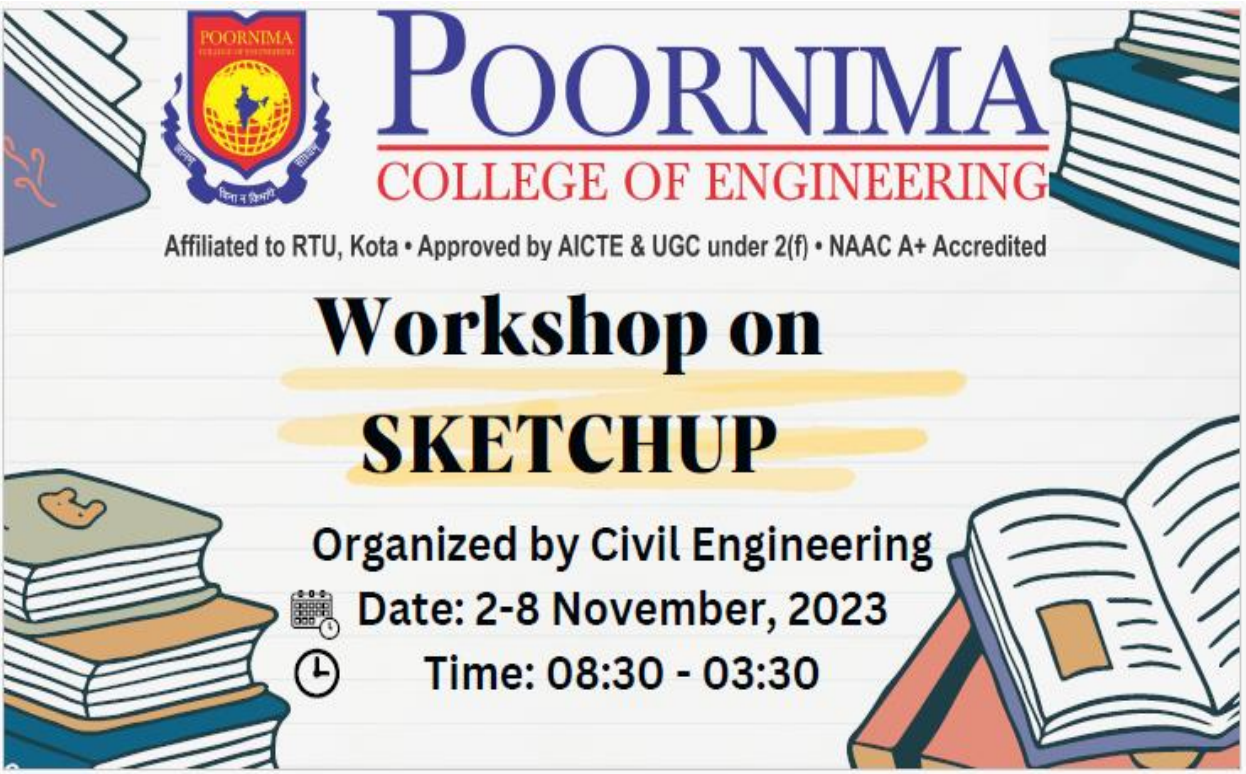

COURSE OUTCOME:

S. No.	Course Outcomes
CO1	To remember the basic commands of Sketch up modeling
CO2	To understand the different plans of building like Orthographic projections, Isometric Projections
CO3	To apply the typical Sketch up commands in software.
CO4	To analyze the different Structural Component by using of Sketch up modeling
CO5	To Prepare map of residential and commercial buildings as per assumed specifications in the field of civil engineering

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MAPPING COURSE OUTCOMES WITH PO AND PSO

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-
CO2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	2
CO3	-	-	3	-	-	-	-	-	-	-	-	-	-	2	-
CO4	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-
CO5	-	-	-	-	-	2	-	-	-	-	-	-	-	3	-

COURSE PRE-REQUISITES:

ENROLMENT CRITERIA: Interested Students of II Year (Civil Engineering)

CERTIFICATION CRITERIA: Mandatory Fulfillments of Criteria 1 and 2

Criteria 1: 80% Attendance

Criteria 2: 80% or above marks in Certification Exam

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COURSE OUTLINE:

CIVIL ENGINEERING SOFTWARE ACADEMY (CESA)

Syllabus SYLLABUS FOR SKETCHUP PRO

Sr. No.	Content	Duration
1.	**General Theory related to TRIMBLE SKETCHUP PRO**	DAY 1
2.	**Graphical User Interface (GUI)**	
3.	**Brief Technical Understanding (For the Software)**	
4.	**Introduction sketchup tools & tray settings**	
5.	**Working with sketchUP Tools bar** • Camera tools • Zoom Tools • Drawing edit & Construction & Principal tools • Working With Group & Component	
6.	**Creating Tags / Layers** • Create Tag • Edit Tags • Colour Fill by tag • Create & edit shadows	DAY 2
7.	Warehouses • 3D Warehouse • Extension Warehose	
8.	Exterior Modeling of G+1 Structure • Walls • Windows • Doors • Slabs • Floor • Plinth • Compound Walls • Staircase	

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9.	**Interior Modeling** • Component Families • Elements • Creating Sections • Elevations • Cut sections • Materials	DAY 3
10.	**Practice on 1 Assignments**	
11.	**Introduction to Plugins** • Face Creator • 1001 bit tools • Curviloft • Fredo tools • Joint Push pull • True bend • Arcitextures	DAY 4
12.	**Practice on 1 Assignments with all plugins**	
13.	**Creating Scenes** • Create • Edit • Export	DAY 5
14.	**Creating Animations**	
15.	**Working On Own projects For Trimble Certification**	

Resource Person: The workshop featured guest speaker from the civil engineering industry who shared their experiences in using SketchUp for real-world projects. The speaker provided insights into the practical applications of 3D modeling in civil engineering and its impact on project visualization and communication.

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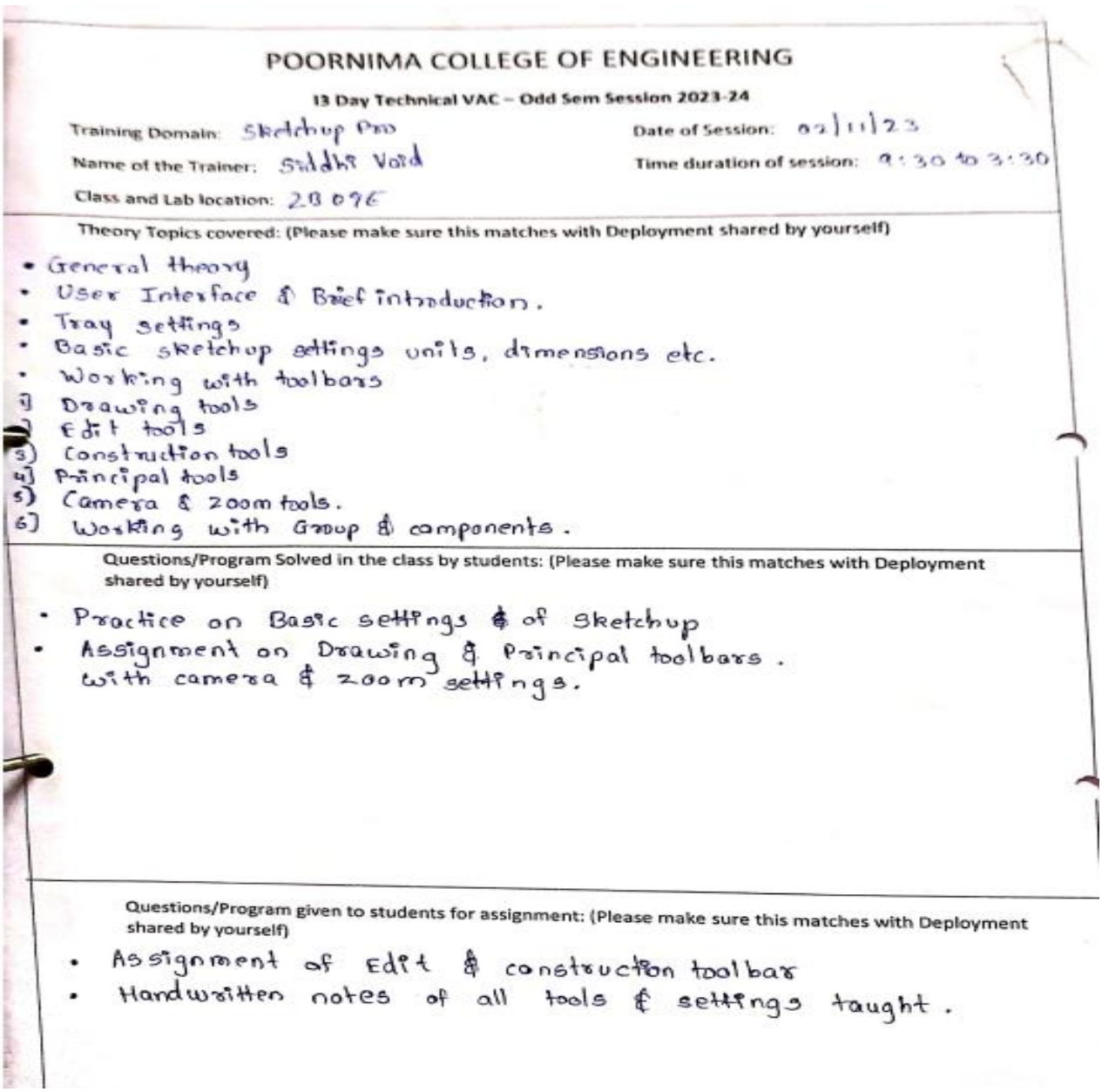
Hands-on Sessions: Participants engaged in practical exercises throughout the workshop, applying the concepts learned to model elements commonly encountered in civil engineering projects. Exercises included designing building structures, creating topographical landscapes, and integrating imported CAD drawings.

ASSIGNMENT 1:



POORNIMA COLLEGE OF ENGINEERING

13 Day Technical VAC – Odd Sem Session 2023-24

Training Domain: Sketchup Pro — Date of Session: 02/11/23

Name of the Trainer: Siddhi Vaid — Time duration of session: 9:30 to 3:30

Class and Lab location: 2B 096

Theory Topics covered: (Please make sure this matches with Deployment shared by yourself)

- General theory
- User Interface & Brief introduction.
- Tray settings
- Basic sketchup settings units, dimensions etc.
- Working with toolbars

1) Drawing tools
2) Edit tools
3) Construction tools
4) Principal tools
5) Camera & zoom tools.
6) Working with Group & components.

Questions/Program Solved in the class by students: (Please make sure this matches with Deployment shared by yourself)

- Practice on Basic settings & of Sketchup
- Assignment on Drawing & Principal toolbars. with camera & zoom settings.

Questions/Program given to students for assignment: (Please make sure this matches with Deployment shared by yourself)

- Assignment of Edit & construction toolbar
- Handwritten notes of all tools & settings taught.

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ASSIGNMENT 2:

POORNIMA COLLEGE OF ENGINEERING

13 Day Technical VAC – Odd Sem Session 2023-24

Training Domain: Sketchup Pro
Date of Session: 02/11/23
Name of the Trainer: Siddhi Vaid
Time duration of session: 9:30 to 3:30
Class and Lab location: 2B 07E

Theory Topics covered: (Please make sure this matches with Deployment shared by yourself)

- General theory
- User Interface & Brief introduction.
- Tray settings
- Basic sketchup settings units, dimensions etc.
- Working with toolbars

1) Drawing tools
2) Edit tools
3) Construction tools
4) Principal tools
5) Camera & zoom tools.
6) Working with Group & components.

Questions/Program Solved in the class by students: (Please make sure this matches with Deployment shared by yourself)

- Practice on Basic settings & of Sketchup
- Assignment on Drawing & Principal toolbars. with camera & zoom settings.

Questions/Program given to students for assignment: (Please make sure this matches with Deployment shared by yourself)

- Assignment of Edit & construction toolbar
- Handwritten notes of all tools & settings taught.

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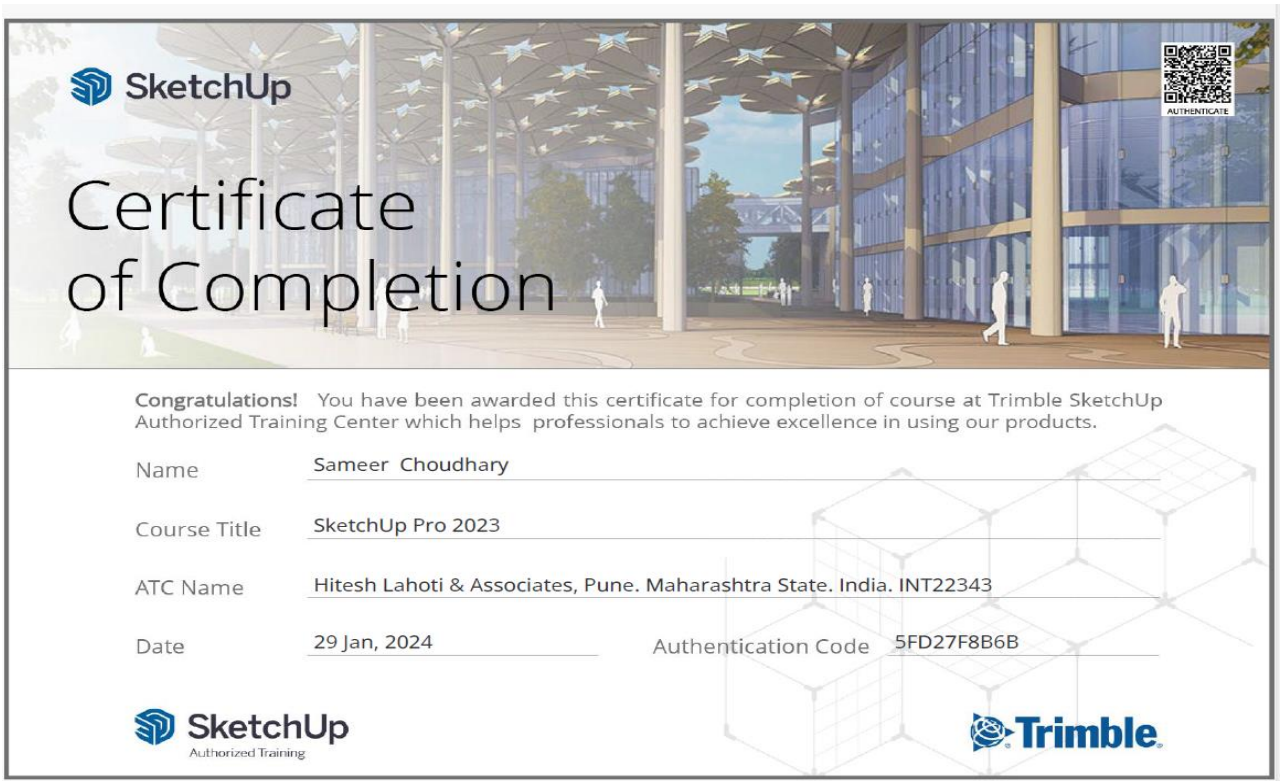
CERTIFICATE OF PARTICIPATION:



SketchUp

AUTHENTICATE

Certificate of Completion

Congratulations! You have been awarded this certificate for completion of course at Trimble SketchUp Authorized Training Center which helps professionals to achieve excellence in using our products.

Name: Sameer Choudhary

Course Title: SketchUp Pro 2023

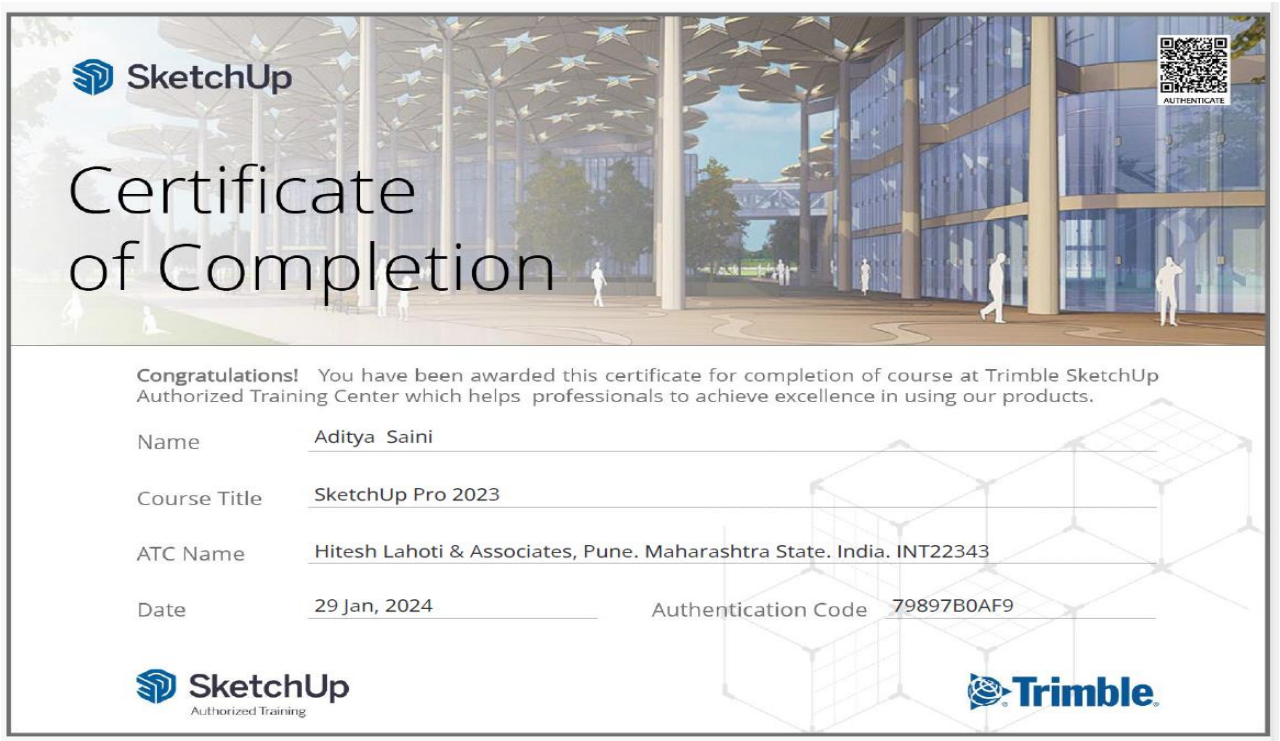
ATC Name: Hitesh Lahoti & Associates, Pune. Maharashtra State. India. INT22343

Date: 29 Jan, 2024

Authentication Code: 5FD27F8B6B

SketchUp Authorized Training

Trimble



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Authentication Code: 79897B0AF9

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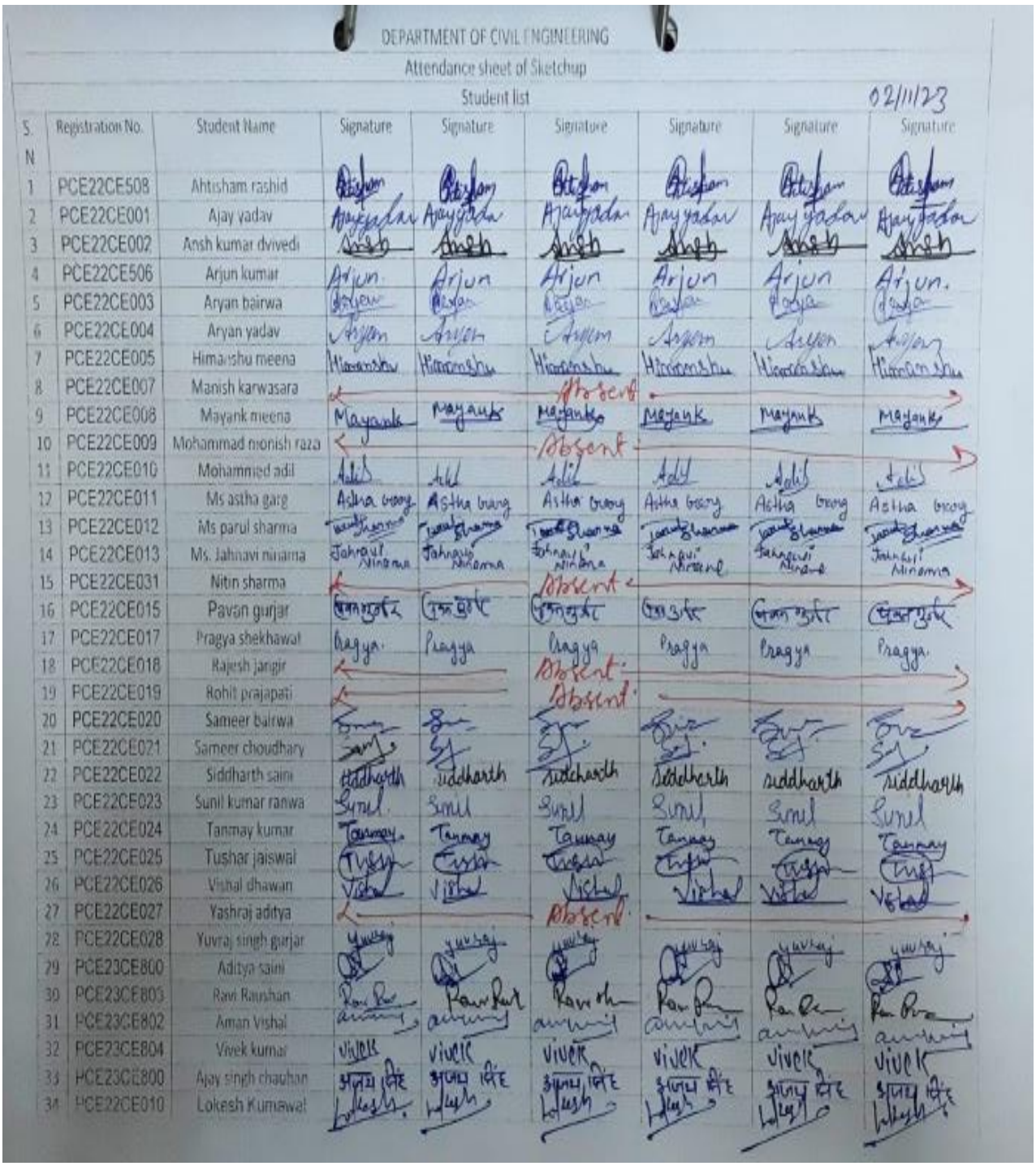
ATTENDANCE:



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Attendance sheet of Sketchup

Student list

02/11/23

S. N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE22CE508	Ahtisham rashid						
2	PCE22CE001	Ajay yadav						
3	PCE22CE002	Ansh kumar dvivedi						
4	PCE22CE506	Arjun kumar						
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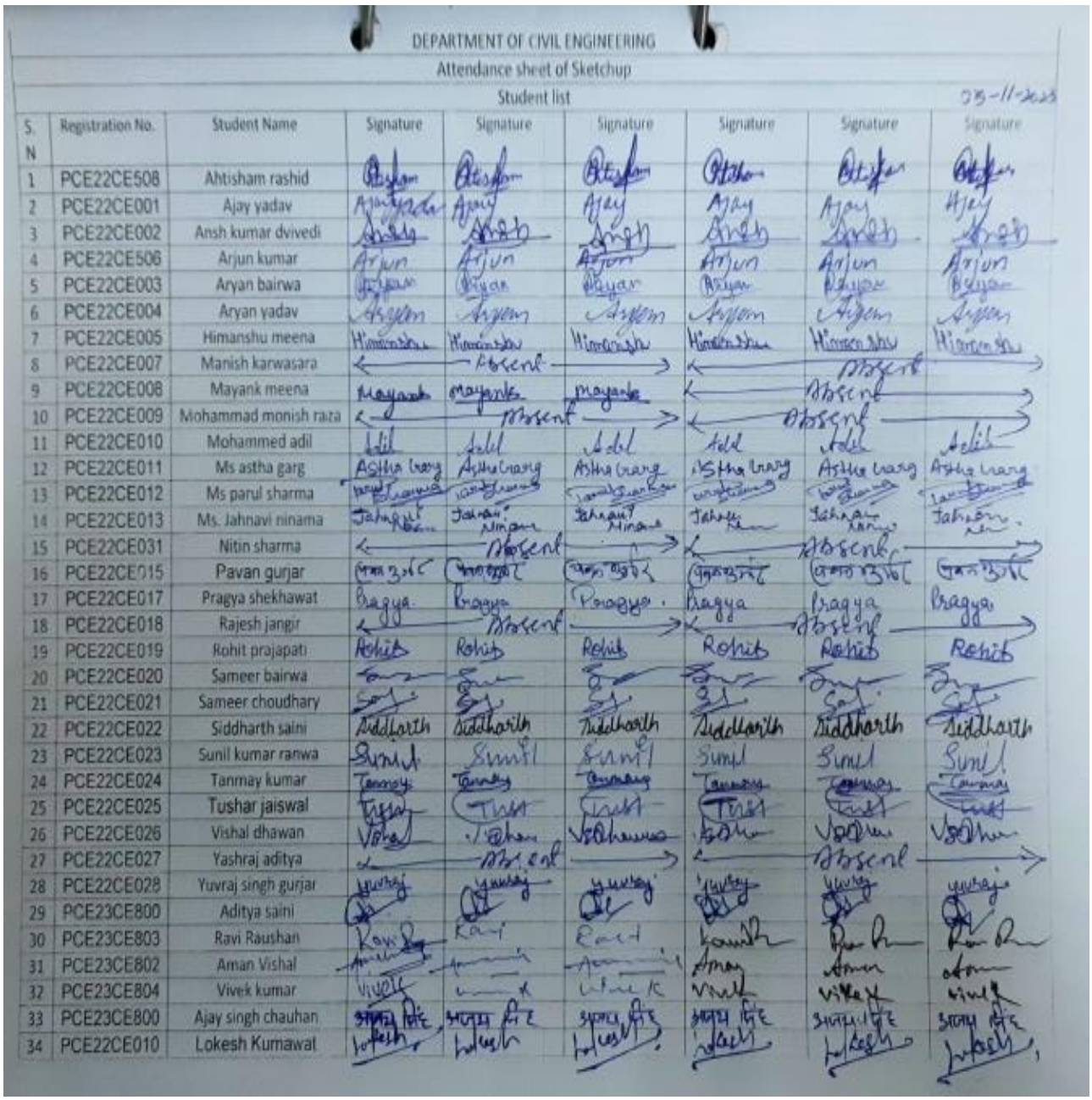

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03-11-2023

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04/11/23.

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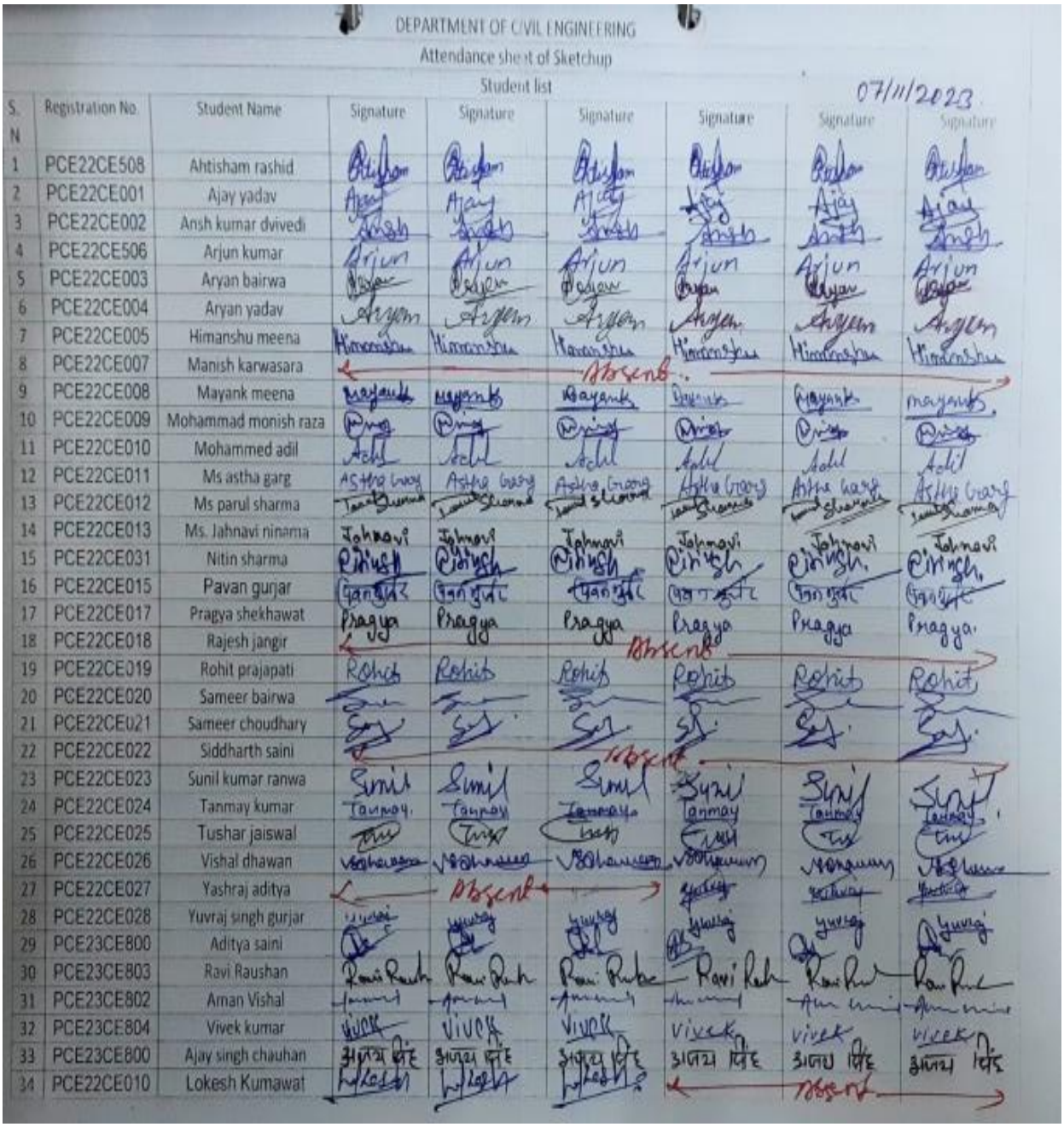

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07/11/2023

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06/11/2023

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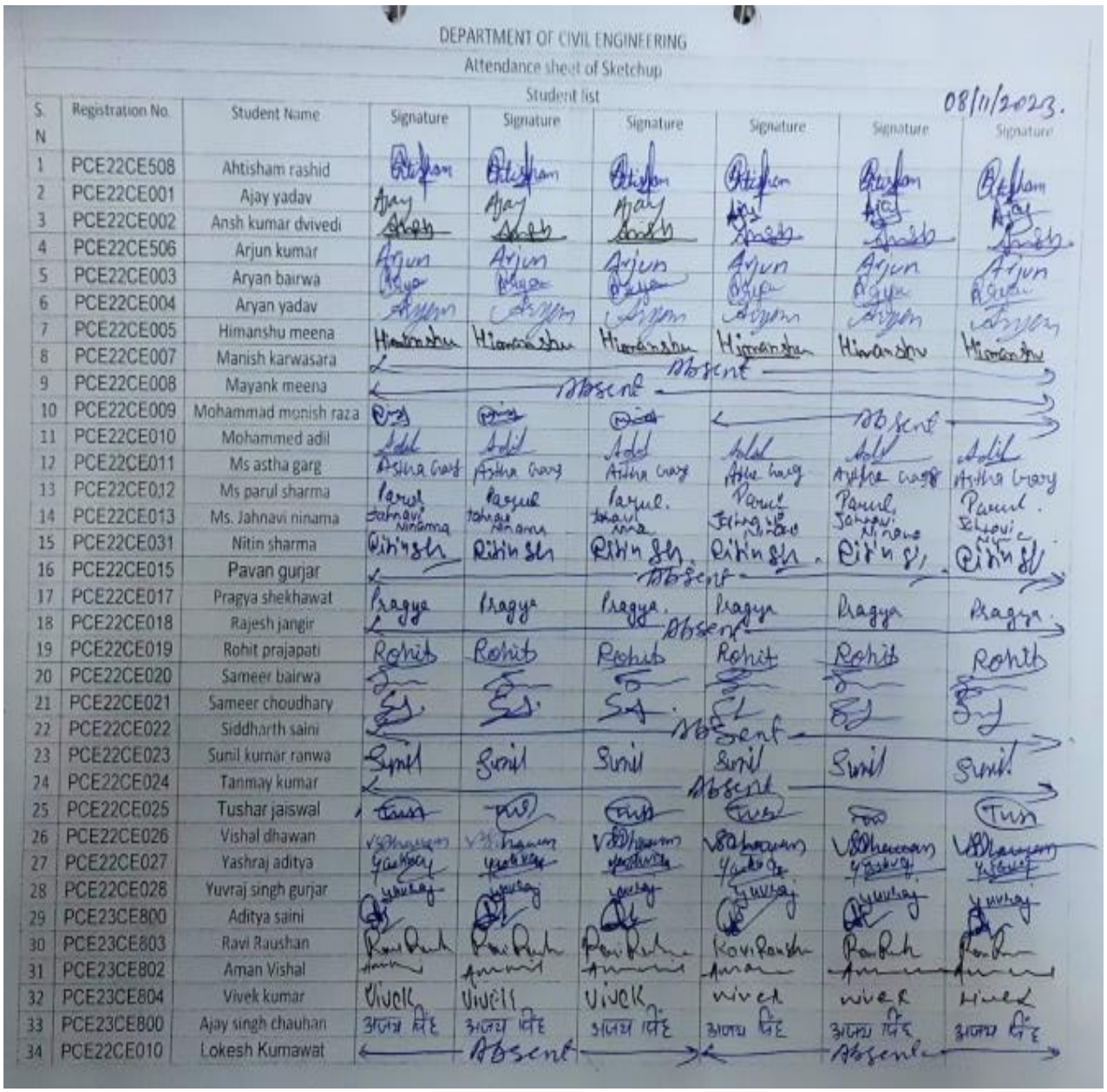

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Attendance sheet of Sketchup

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20	PCE22CE020	Sameer bairwa						
21	PCE22CE021	Sameer choudhary						
22	PCE22CE022	Siddharth saini			Absent			
23	PCE22CE023	Sunil kumar ranwa						
24	PCE22CE024	Tanmay kumar			Absent			
25	PCE22CE025	Tushar jaiswal						
26	PCE22CE026	Vishal dhawan						
27	PCE22CE027	Yashraj aditya						
28	PCE22CE028	Yuvraj singh gurjar						
29	PCE23CE800	Aditya saini						
30	PCE23CE803	Ravi Raushan						
31	PCE23CE802	Aman Vishal						
32	PCE23CE804	Vivek kumar						
33	PCE23CE800	Ajay singh chauhan						
34	PCE22CE010	Lokesh Kumawat	Absent				Absent	

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Conclusion:

The SketchUp 3D Modeling Workshop for Civil Engineering Students successfully empowered participants with valuable skills and knowledge in using SketchUp for practical applications in civil engineering. The hands-on approach, coupled with insights from industry professionals, contributed to a comprehensive learning experience.

FEW GLIMPSES OF THE EVENT:

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FEEDBACK:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		77.21	9.91	5.99	1.20	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		75.25	14.19	7.92	1.11	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.29	16.11	6.49	1.20	0.00	
4	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.20	18.59	5.19	1.32	0.00	
5	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		72.29	18.52	6.99	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

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POORNIMA
COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Report On STAADPRO WORKSHOP

NAME OF ACTIVITY: Report on STAADPRO WORKSHOP

DATE & DURATION: 2-8 November 2023

ORGANIZED BY: Department of Civil Engineering

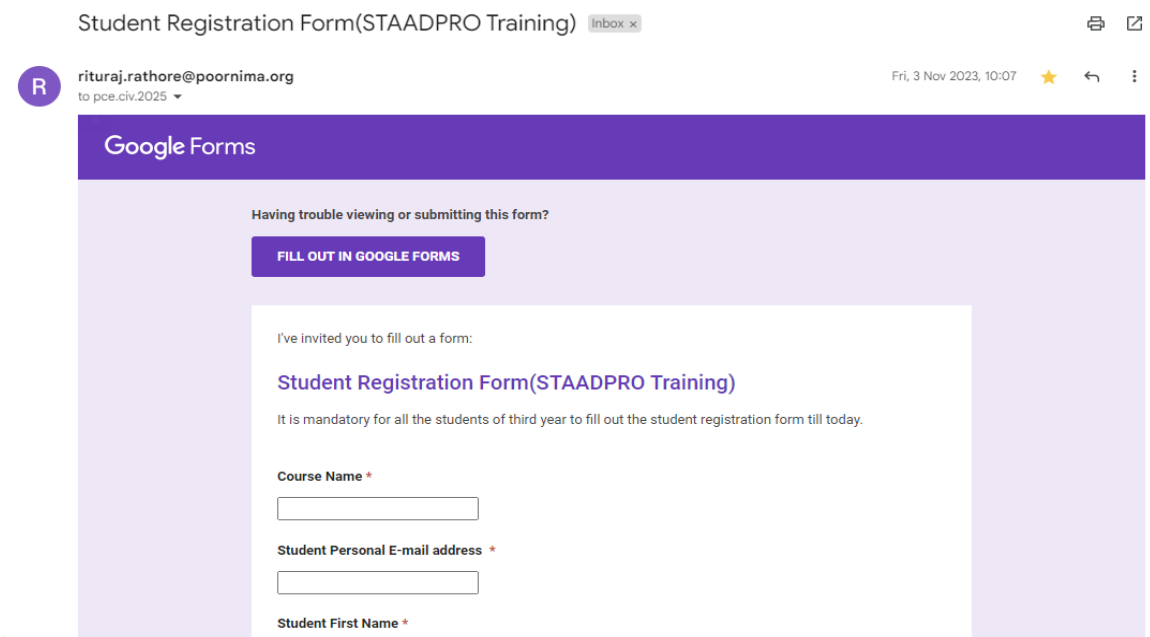
S.No.	Course ID	Workshop Name	No. of Modules	Course Duration	Course Facilitator
1.	AOC-DEP-CIV-SPRO	STADD PRO	6	40 Hours	MR.RUSHIKESH P TANTAK `

COURSE ID: SPROCE01

COURSE TITLE: STRUCTURAL ANALYSIS AND DESIGNING PROGRAM

OBJECTIVE: The workshop aims to equip students with practical skills in using STAADPRO for structural analysis and design, preparing them for real-world engineering challenges.

CIRCULAR:



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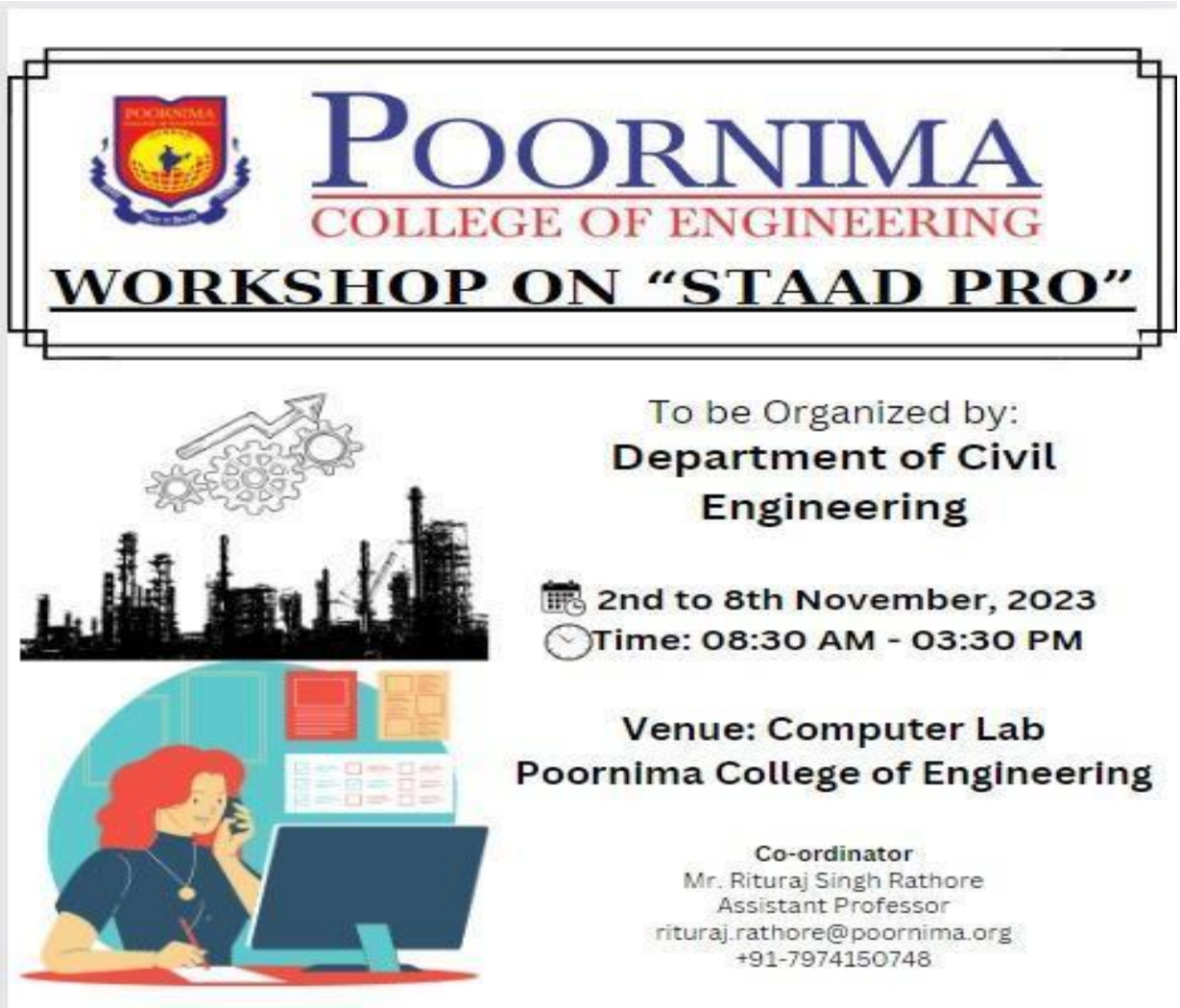
BROCHURE:



COURSE DESCRIPTION:

STAAD Pro is a powerful and widely used software application for structural analysis and design. Developed by Bentley Systems, it is a comprehensive and integrated structural engineering tool that allows engineers to analyze and design various types of structures, including buildings, bridges, towers, and industrial structures. The name "STAAD" stands for Structural Analysis and Design, emphasizing its primary functions. This software is renowned for its versatility and efficiency in handling complex structural engineering tasks. It provides a user-friendly interface that enables engineers to model, analyze, and design structures with ease. STAAD Pro supports a wide range of design codes and international standards, making it suitable for projects around the world.

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One of the key features of STAAD Pro is its advanced analysis capabilities. It employs various methods for structural analysis, including linear and nonlinear static analysis, dynamic analysis, and finite element analysis (FEA). Engineers can simulate real-world conditions and assess the performance of structures under different loads and environmental factors. The software's FEA capabilities enable detailed modeling of complex geometries and material behaviors, allowing for more accurate and realistic simulations.

STAAD Pro also excels in its design capabilities, offering comprehensive tools for the design of concrete, steel, and other materials. Engineers can perform code-based design checks, ensuring that structures comply with relevant design codes and safety standards. The software provides automated design optimization features, allowing engineers to iteratively refine their designs for better efficiency and cost-effectiveness. Additionally, STAAD Pro facilitates the generation of detailed and customizable reports, making it easy to communicate design information to project stakeholders. The modeling capabilities of STAAD Pro contribute to its widespread adoption in the engineering community. Engineers can create 3D models of structures using a variety of elements, such as beams, columns, slabs, and foundations. The graphical interface enables intuitive modeling and visualization of the entire structure, streamlining the design process. Furthermore, the software supports interoperability with other design and analysis tools, allowing for seamless collaboration and data exchange between different software platforms.

COURSE OUTCOME:

S. No.	**Course Outcomes**
CO1	To understand the basic commands of STADD Pro.
CO2	To Apply the typical loading in STADD Pro software.
CO3	To Analyze the different structural components by using of STADD Pro software

MAPPING COURSE OUTCOMES WITH PO AND PSO

CO	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-
CO2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-

COURSE PRE-REQUISITES: Students learn about recent techniques, latest software & innovative outcome based learning to analyze and evaluate the concepts of civil engineering to make his personality competent enough to fulfill the gap between academic and industry.

ENROLMENT CRITERIA: Interested Students of III Year (Civil Engineering)

CERTIFICATION CRITERIA: Mandatory Fulfillments of Criteria 1 and 2

Criteria 1: 80% Attendance

Criteria 2: Certification will depends on assignments submission

COURSE OUTLINE:

The course outline covered a range of topics, including but not limited to:

Introduction to STAADPRO: Understanding the basics of the software, its interface, and its capabilities.

Structural Analysis Concepts: Teaching fundamental concepts of structural analysis, including loadings, supports, and reactions.

Modeling Structures: Hands-on experience in creating 3D models of various types of structures within STAADPRO.

Loading and Boundary Conditions: Learning how to apply different types of loads and constraints to the structural models.

Analysis Procedures: Understanding the step-by-step procedures for structural analysis using STAADPRO.

Interpretation of Results: Interpreting and analyzing the output results from STAADPRO, including deflections, reactions, and member forces.

Design Codes and Standards: Familiarization with the design codes and standards used in STAADPRO for ensuring the safety and adequacy of structures.

Optimization and Iterative Design: Exploring techniques for optimizing structural designs and making iterative changes.

Dynamic Analysis: Introducing dynamic analysis concepts for structures subjected to dynamic loads such as earthquakes or wind.

Practical Applications: Showcasing real-world applications of STAADPRO in civil engineering projects.

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Resource Person:

The workshop featured experienced resource person who was expert in the field of structural engineering and proficient in using STAAD Pro. He delivered engaging and informative sessions, providing insights into real-world applications.

Participant Profile:

The workshop attracted participants from diverse backgrounds, including civil engineering students, practicing engineers, and professionals in the construction industry. This diversity contributed to a rich exchange of ideas and experiences.

Hands-on Sessions:

Participants had the opportunity to apply the theoretical concepts learned in practical, hands-on sessions. These sessions allowed them to work on case studies, giving them a better understanding of how to apply STAAD Pro to solve real-world structural engineering problems.

Conclusion:

The STAAD Pro workshop proved to be a valuable platform for participants to enhance their skills and knowledge in structural analysis and design. The combination of theoretical sessions, and interactive discussions contributed to a comprehensive learning experience. The workshop successfully met its objectives and left participants better equipped to apply STAAD Pro in their professional practice.

Overall, the STAAD Pro workshop was a commendable initiative that contributed to the continuous learning and skill development of structural engineers and professionals in the field.

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ATTENDANCE LIST:

Date:- 2/11/2023

POORNIMA COLLEGE OF ENGINEERING JAIPUR
DEPARTMENT OF CIVIL ENGINEERING
Attendance sheet of STAAD pro
Student list

S.N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT	Aashish Amat	Aashish Amat	Aashish Amat	Aashish Amat	Aashish Amat	Aashish Amat
2	PCE21CE002	AASHISH CHAUHAN	Aashish	Aashish	Aashish	Aashish	Aashish	Aashish
3	PCE21CE003	ABHISHEK	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	PCE21CE004	ABHISHEK JINDAL						
5	PCE21CE005	ADITYA MEENA	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
6	PCE21CE006	AKASH KUMAR DHAKA	Akash	Akash	Akash	Akash	Akash	Akash
7	PCE21CE007	ANKIT KUMAR MEENA	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit
8	PCE21CE047	ASTHA DADHICH	Astha	Astha	Astha	Astha	Astha	Astha
9	PCE21CE501	ATISH CHOUHAN	Atish	Atish	Atish	Atish	Atish	Atish
10	PCE21CE008	BAJRANG	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
11	PCE21CE009	DEVANSH TYAGI	Devansh	Devansh	Devansh	Devansh	Devansh	Devansh
12	PCE21CE010	DEVANSHI MEENA	Dheena	Dheena	Dheena	Dheena	Dheena	Dheena
13	PCE21CE011	DEVANSHU HARSOLIA	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu
14	PCE21CE012	FAEEZ	Faeez	Faeez	Faeez	Faeez	Faeez	Faeez
15	PCE21CE013	GARVIT CHHAWAL						
16	PCE21CE014	GAURISH GAUD	Gaurish	Gaurish	Gaurish	Gaurish	Gaurish	Gaurish
17	PCE21CE015	HIMANSHU MEENA						
18	PCE21CE016	JITENDRA SHARMA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
19	PCE21CE017	KESHAV KUMAR	Keshav	Keshav	Keshav	Keshav	Keshav	Keshav
~~20~~	~~PCE21CE018~~	~~MAHENDRA GOUR~~						
21	PCE21CE019	MANISH PRAJAPAT	Manish	Manish	Manish	Manish	Manish	Manish
22	PCE21CE020	MAYANK JHAJHARIA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
23	PCE21CE021	MD TALHA	Talha	Talha	Talha	Talha		
24	PCE21CE022	MOHD KAIF LANGA						
25	PCE21CE023	NAVEEN SINGH	Singh	Singh	Singh	Singh	Singh	Singh
26	PCE21CE024	NITIN KUMAR	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
27	PCE21CE025	PANKAJ MEENA	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
28	PCE21CE026	PRATHAM CHAUHAN						
29	PCE21CE503	PRIYANKA KUMARI	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
30	PCE21CE027	RADHEY SHYAM DERWAL	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
31	PCE21CE028	RAGHAV KUMAR SHARMA						
32	PCE21CE029	RAHUL GURJAR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
33	PCE21CE030	RAHUL KUMAR MEENA	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
34	PCE21CE031	RAHUL PRAJAPAT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
35	PCE21CE504	RAHUL SINGH	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
~~36~~	~~PCE21CE032~~	~~RAJKUMAR MEENA~~						
37	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
38	PCE21CE034	RAVI KUMAR SHARMA	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
39	PCE21CE035	RAVI MEENA	Ravi	Ravi	Ravi	Ravi		
40	PCE21CE037	ROHIT CHOUDHARY	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
41	PCE21CE038	SHILPA BANSAL	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa
42	PCE21CE039	SHIVANI VERMA	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani
43	PCE21CE040	SHREYA SHARMA	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
44	PCE21CE041	SUDHIR CHOUDHARY	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir
45	PCE21CE042	SUJATAA KUMARI	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata
46	PCE21CE043	TANMAY BARGOT	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay
47	PCE21CE044	TEJAS RATAWAL	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
48	PCE21CE045	TILAK RAJ JANGIINIA	Tilak	Tilak	Tilak	Tilak	Tilak	Tilak
49	PCE21CE046	VIJAY KUMAR	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay
~~50~~	~~PCE22CE701~~	~~ABID HUSSAIN~~						
51	PCE22CE702	KASHIF SHAKEEL	Kashif	Kashif	Kashif	Kashif	Kashif	Kashif
52	PCE22CE704	MANMOHAN SINGH	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan
53	PCE22CE800	NEETESH MEENA						
54	PCE22CE705	WASIM ALI	ABSENT	ABSENT	Wasim	Wasim	Wasim	Wasim

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3/11/23

Date – 3/11/23

POORNIMA COLLEGE OF ENGINEERING JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

Attendance sheet of STAAD pro

Student list

S.N	Registration No	Student Name	Signature	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT							
2	PCE21CE002	AASHISH CHAUHAN							
3	PCE21CE003	ABHISHEK							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	ABSENT	ABSENT				ABSENT	ABSENT
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA							
8	PCE21CE047	ASTHA DADRICH							
9	PCE21CE501	ATISH CHOUHAN							
10	PCE21CE008	BAJRANG	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	
11	PCE21CE009	DEVANSH TYAGI							
12	PCE21CE010	DEVANSHI MEENA							
13	PCE21CE011	DEVANSHU HARSOLIA							
14	PCE21CE012	FAEEZ							
15	PCE21CE013	GARVIT CHHAWAL							ABSENT
16	PCE21CE014	GAURISH GAUD							
17	PCE21CE015	HIMANSHU MEENA							ABSENT
18	PCE21CE016	JITENDRA SHARMA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
19	PCE21CE017	KESHAV KUMAR	Keshav	Keshav	Keshav	Keshav	Keshav	Keshav	Keshav
20	PCE21CE018	MAHENDRA GOUR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
21	PCE21CE019	MANISH PRAJAPAT							
22	PCE21CE020	MAYANK JHAJHARIA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
23	PCE21CE021	MD TAI HA							
24	PCE21CE022	MOHD KAIF LANGA							
25	PCE21CE023	NAVEEN SINGH							
26	PCE21CE024	NITIN KUMAR							
27	PCE21CE025	PANKAJ MEENA							

Date – 3/11/23

									Signature
28	PCE21CE026	PRATHAM CHAUHAN							
29	PCE21CE503	PRIYANKA KUMARI							
30	PCE21CE027	RADHEYSHYAM DERWAL	ABSENT	ABSENT	ABSENT				
31	PCE21CE028	RAGHAV KUMAR SHARMA							
32	PCE21CE029	RAHUL GURJAR							
33	PCE21CE030	RAHUL KUMAR MEENA							
34	PCE21CE031	RAHUL PRAJAPAT	ABSENT	ABSENT				ABSENT	
35	PCE21CE504	RAHUL SINGH							
36	PCE21CE032	RAJKUMAR MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
37	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
38	PCE21CE034	RAVI KUMAR SHARMA							ABSENT
39	PCE21CE035	RAVI MEENA	ABSENT	ABSENT				ABSENT	ABSENT
40	PCE21CE037	ROHIT CHOUDHARY	ABSENT	ABSENT				ABSENT	ABSENT
41	PCE21CE038	SHILPA BANSAL							
42	PCE21CE039	SHIVANI VERMA							
43	PCE21CE040	SHREYA SHARMA							
44	PCE21CE041	SUDHIR CHOUDHARY							
45	PCE21CE042	SUJATAA KUMARI							
46	PCE21CE043	TANMAY BARGOT							
47	PCE21CE044	TEJAS RATAWAL							
48	PCE21CE045	TILAK RAJ JANGINIA							ABSENT
49	PCE21CE046	VIJAY KUMAR							
50	PCE22CE701	ABID HUSSAIN	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	
51	PCE22CE703	KASHIF SHAKEEL							
52	PCE22CE704	MANMOHAN SINGH							
53	PCE22CE800	NEETESH MEENA							
54	PCE22CE705	WASIM ALI							

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Date: 4/11/23

POORNIMA COLLEGE OF ENGINEERING JAIPUR

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Attendance sheet of STAAD pro

Student list

S.N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT						
2	PCE21CE002	AASHISH CHAUHAN						
3	PCE21CE003	ABHISHEK .						
4	PCE21CE004	ABHISHEK JINDAL						
5	PCE21CE005	ADITYA MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
6	PCE21CE006	AKASH KUMAR DHAKA						
7	PCE21CE007	ANKIT KUMAR MEENA						
8	PCE21CE047	ASTHA DADHICH						
9	PCE21CE501	ATISH CHOUHAN						
10	PCE21CE008	BAJRANG .	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
11	PCE21CE009	DEVANSH TYAGI						
12	PCE21CE010	DEVANSHI MEENA						
13	PCE21CE011	DEVANSHU HARSOLIA						
14	PCE21CE012	. FAEEZ .						
15	PCE21CE013	GARVIT CHHAWAL						
16	PCE21CE014	GAURISH GAUD						
17	PCE21CE015	HIMANSHU MEENA						
18	PCE21CE016	JITENDRA SHARMA .	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
19	PCE21CE017	KESHAV KUMAR						
20	PCE21CE018	MAHENDRA GOUR .	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
21	PCE21CE019	MANISH PRAJAPAT						
22	PCE21CE020	MAYANK JHAJHARIA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
23	PCE21CE021	MD TALHA .						
24	PCE21CE022	MOHD KAIF LANGA						
25	PCE21CE023	NAVEEN SINGH						
26	PCE21CE024	NITIN KUMAR						
27	PCE21CE025	PANKAJ MEENA						
28	PCE21CE026	PRATHAM CHAUHAN				ABSENT	ABSENT	ABSENT
29	PCE21CE503	PRIYANKA KUMARI						
30	PCE21CE027	RADHEYSHYAM DERWAL						
31	PCE21CE028	RAGHAV KUMAR SHARMA						
32	PCE21CE029	RAHUL GURJAR						
33	PCE21CE030	RAHUL KUMAR MEENA						
34	PCE21CE031	RAHUL PRAJAPAT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
35	PCE21CE504	RAHUL SINGH						
36	PCE21CE032	RAJKUMAR MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
37	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
38	PCE21CE034	RAVI KUMAR SHARMA						
39	PCE21CE035	RAVI MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
40	PCE21CE037	ROHIT CHOUDHARY	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
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42	PCE21CE039	SHIVANI VERMA						
43	PCE21CE040	SHREYA SHARMA						
44	PCE21CE041	SUDHIR CHOUDHARY						
45	PCE21CE042	SUJATAA KUMARI						
46	PCE21CE043	TANMAY BARGOT						
47	PCE21CE044	TEJAS RATAWAL						
48	PCE21CE045	TILAK RAJ JANGINIA						
49	PCE21CE046	VIJAY KUMAR						
50	PCE22CE701	ABID HUSSAIN	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
51	PCE22CE703	KASHIF SHAKEEL						
52	PCE22CE704	MANMOHAN SINGH						
53	PCE22CE800	NEETESH MEENA						
54	PCE22CE705	WASIM ALI						

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6/11/23

Date - 6/11/23

POORNIMA COLLEGE OF ENGINEERING JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

Attendance sheet of STAAD pro

Student list

S.N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT	ABSENT	ABSENT	ABSENT	Aashish Amat	Aashish Amat	Aashish Amat	Aashish Amat
2	PCE21CE002	AASHISH CHAUHAN	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
3	PCE21CE003	ABHISHEK							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
6	PCE21CE006	AKASH KUMAR DHAKA	Akash	Akash	Akash	Akash	Akash	Akash	Akash
7	PCE21CE007	ANKIT KUMAR MEENA	Ankit Meena	Ankit	Ankit	Ankit	Ankit	Ankit	Ankit
8	PCE21CE047	ASTHA DADHICH	Astha	Astha	Astha	Astha	Astha	Astha	Astha
9	PCE21CE501	ATISH CHOUHAN	Atish	Atish	Atish	Atish	Atish	Atish	Atish
10	PCE21CE008	BAJRANG	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
11	PCE21CE009	DEVANSH TYAGI	Devansh.	Devansh.	Devansh	ABSENT	ABSENT	ABSENT	ABSENT
12	PCE21CE010	DEVANSHI MEENA	Dheena	Dheena	Dheena	Dheena	Dheena	Dheena	Dheena
13	PCE21CE011	DEVANSHU HARSOLIA	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu
14	PCE21CE012	FAEEZ	Faeez	Faeez	Faeez	Faeez	Faeez	Faeez	Faeez
15	PCE21CE013	GARVIT CHHAWAL							
16	PCE21CE014	GAURISH GAUD	ABSENT	ABSENT	Gaurish	Gaurish	Gaurish	Gaurish	Gaurish
17	PCE21CE015	HIMANSHU MEENA							
18	PCE21CE016	JITENDRA SHARMA	ABSENT	ABSENT	ABSENT	Jitu	Jitu	Jitu	Jitu
19	PCE21CE017	KESHAV KUMAR	ABSENT	Keshav	Keshav	Keshav	Keshav	Keshav	Keshav
20	PCE21CE018	MAHENDRA GOUR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
21	PCE21CE019	MANISH PRAJAPAT	Manish	Manish	Manish	Manish	Manish	Manish	Manish
22	PCE21CE029	MAYANK JHAJHARIA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
23	PCE21CE021	MD TALHA							
24	PCE21CE022	MOHD KAIF LANGA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
25	PCE21CE023	NAVEEN SINGH							
26	PCE21CE024	NITIN KUMAR	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
27	PCE21CE025	PANKAJ MEENA	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj

Date - 6/11/23

									Signature
28	PCE21CE026	PRATHAM CHAUHAN							
29	PCE21CE503	PRIYANKA KUMARI	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
30	PCE21CE027	RADHEYSHYAM DERWAL							
31	PCE21CE028	RAGHAV KUMAR SHARMA							
32	PCE21CE029	RAHUL GURJAR	ABSENT	ABSENT	ABSENT	Rahul Gurjar	Rahul Gurjar	Rahul Gurjar	ABSENT
33	PCE21CE030	RAHUL KUMAR MEENA	ABSENT	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
34	PCE21CE031	RAHUL PRAJAPAT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
35	PCE21CE504	RAHUL SINGH	Rahul Singh	Rahul Singh	Rahul Singh	Rahul Singh	Rahul Singh	Rahul Singh	Rahul Singh
36	PCE21CE032	RAJKUMAR MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
37	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT						ABSENT
38	PCE21CE034	RAVI KUMAR SHARMA	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
39	PCE21CE035	RAVI MEENA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
40	PCE21CE037	ROHIT CHOUDHARY	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
41	PCE21CE038	SHILPA BANSAL	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa	Shilpa
42	PCE21CE039	SHIVANI VERMA	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	Shivani
43	PCE21CE040	SHREYA SHARMA	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
44	PCE21CE041	SUDHIR CHOUDHARY	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir	Sudhir
45	PCE21CE042	SUJATAA KUMARI	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata
46	PCE21CE043	TANMAY BARGOT	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay
47	PCE21CE044	TEJAS RATAWAL	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
48	PCE21CE045	TILAK RAJ JANGINIA	Tilak	Tilak	Tilak	Tilak	Tilak	Tilak	Tilak
49	PCE21CE046	VIJAY KUMAR	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay	Vijay
50	PCE22CE701	ABID HUSSAIN	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT
51	PCE22CE703	KASHIF SHAKEEL	Kashif	Kashif	Kashif	Kashif	Kashif	Kashif	Kashif
52	PCE22CE704	MANMOHAN SINGH	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan
53	PCE22CE800	NEETESH MEENA	Neetesh	Neetesh	Neetesh	Neetesh	Neetesh	Neetesh	Neetesh
54	PCE22CE705	WASIM ALI	ABSENT	wasim	wasim	wasim	wasim	wasim	ABSENT

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POORNIMA COLLEGE OF ENGINEERING JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

Attendance sheet of STAAD pro

Student list

07/11/23.

S.N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT	AB	AB	AB	AB	AB	AB	
2	PCE21CE002	AASHISH CHAUHAN	Aashish	Aashish	Aashish	Aashish	Aashish	Aashish	Aashish
3	PCE21CE003	ABHISHEK							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	AB	AB	AB	AB	AB	AB	AB
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA	Ankit Meena	Ankit	Ankit	Ankit			
8	PCE21CE047	ASTHA DADHICH	Astha		Astha	Astha	Astha	Astha	
9	PCE21CE501	ATISH CHOUHAN	Atish	Atish	Atish	Atish	Atish	Atish	
10	PCE21CE008	BAJRANG	AB	AB	AB	AB	AB	AB	AB
11	PCE21CE009	DEVANSH TYAGI	Devansh	Devansh	Devansh	Devansh	Devansh	AB	AB
12	PCE21CE010	DEVANSHI MEENA	AB	AB	AB	AB	AB	AB	AB
13	PCE21CE011	DEVANSHU HARSOLIA	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu
14	PCE21CE012	FAEEZ	faeez	AB	AB		faeez	faeez	faeez
15	PCE21CE013	GARVIT CHHAWAL						AB	AB
16	PCE21CE014	GAURISH GAUD	AB	AB	AB	AB	AB	AB	AB
17	PCE21CE015	HIMANSHU MEENA						AB	
18	PCE21CE016	JITENDRA SHARMA	AB						
19	PCE21CE017	KESHAV KUMAR	Kshav	Keshav	Keshav	Keshav	Keshav	Keshav	Keshav
20	PCE21CE018	MAHENDRA GOUR	AB	AB	AB	AB	AB	AB	AB
21	PCE21CE019	MANISH PRAJAPAT	Manish	Manish	Manish	Manish	Manish	Manish	Manish
22	PCE21CE020	MAYANK JHAJHARIA	AB	AB	AB	AB	AB	AB	AB
23	PCE21CE021	MD TALHA							
24	PCE21CE022	MOHD KAIF LANGA							AB
25	PCE21CE023	NAVEEN SINGH							AB
26	PCE21CE024	NITIN KUMAR	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
27	PCE21CE025	PANKAJ MEENA	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj	Pankaj
28	PCE21CE026	PRATHAM CHAUHAN						AB	
29	PCE21CE503	PRIYANKA KUMARI	AB	AB	AB	AB	AB	AB	AB
30	PCE21CE027	RADHEYSHYAM DERWAL	AB	AB	AB	AB	AB	AB	AB
31	PCE21CE028	RAGHAV KUMAR SHARMA							
32	PCE21CE029	RAHUL GURJAR	AB	AB	AB	AB	AB	AB	AB
33	PCE21CE030	RAHUL KUMAR MEENA	AB	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
34	PCE21CE031	RAHUL PRAJAPAT	AB	AB	AB	AB	AB	AB	AB
35	PCE21CE504	RAHUL SINGH							
36	PCE21CE032	RAJKUMAR MEENA	AB	AB	AB	AB	AB	AB	AB
37	PCE21CE033	RAMINDRA SINGH TANWAR							
38	PCE21CE034	RAVI KUMAR SHARMA	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
39	PCE21CE035	RAVI MEENA	AB	AB	AB	AB	AB	AB	AB
40	PCE21CE037	ROHIT CHOUDHARY	AB	AB	AB	AB	AB	AB	AB
41	PCE21CE038	SHILPA BANSAL							
42	PCE21CE039	SHIVANI VERMA	AB	AB	AB	AB	AB	AB	AB
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44	PCE21CE041	SUDHIR CHOUDHARY							
45	PCE21CE042	SUJATAA KUMARI	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata
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48	PCE21CE045	TILAK RAJ JANGINIA	Tilak	Tilak	Tilak	Tilak	Tilak	Tilak	Tilak
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52	PCE22CE704	MANMOHAN SINGH	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan	Manmohan
53	PCE22CE800	NEETESH MEENA	Neetesh						
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POORNIMA COLLEGE OF ENGINEERING JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

Attendance sheet of STAAD pro

Student list

08/11/23

S.N	Registration No.	Student Name	Signature	Signature	Signature	Signature	Signature	Signature
1	PCE21CE001	AASHISH AMAT	AB	AB				
2	PCE21CE002	AASHISH CHAUHAN	Aashish	Aashish	Aashish	Aashish	Aashish	Aashish
3	PCE21CE003	ABHISHEK	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
4	PCE21CE004	ABHISHEK JINDAL					AB	AB
5	PCE21CE005	ADITYA MEENA	AB	AB				
6	PCE21CE006	AKASH KUMAR DHAKA	Akash	Akash	Akash	Akash	Akash	Akash
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12	PCE21CE010	DEVANSHI MEENA	AB	AB				
13	PCE21CE011	DEVANSHU HARSOLIA	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu	Devanshu
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18	PCE21CE016	JITENDRA SHARMA	AB					
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26	PCE21CE024	NITIN KUMAR	Nitin	Nitin	Nitin	Nitin	Nitin	Nitin
27	PCE21CE025	PANKAJ MEENA	AB	AB	Pankaj	AB	AB	AB
28	PCE21CE026	PRATHAM CHAUHAN						
29	PCE21CE503	PRIYANKA KUMARI	AB					
30	PCE21CE027	RADHEYSHYAM DERWAL				AB	AB	AB
31	PCE21CE028	RAGHAV KUMAR SHARMA				AB	AB	AB
32	PCE21CE029	RAHUL GURJAR						
33	PCE21CE030	RAHUL KUMAR MEENA	Rahul	Rahul	Rahul	Rahul	Rahul	Rahul
34	PCE21CE031	RAHUL PRAJAPAT						
35	PCE21CE504	RAHUL SINGH						
36	PCE21CE032	RAJKUMAR MEENA						
37	PCE21CE033	RAMINDRA SINGH TANWAR						
38	PCE21CE034	RAVI KUMAR SHARMA						
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42	PCE21CE039	SHIVANI VERMA						
43	PCE21CE040	SHREYA SHARMA	Shreya	Shreya				
44	PCE21CE041	SUDHIR CHOUDHARY						
45	PCE21CE042	SUJATAA KUMARI	Sujata	Sujata	Sujata	Sujata	Sujata	Sujata
46	PCE21CE043	TANMAY BARGOT	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay	Tanmay
47	PCE21CE044	TEJAS RATAWAL	Tejas	Tejas	Tejas	Tejas	Tejas	Tejas
48	PCE21CE045	TILAK RAJ JANGINIA						
49	PCE21CE046	VIJAY KUMAR	Vijay	Vijay	Vijay	Vijay	P	P
50	PCE22CE701	ABID HUSSAIN						
51	PCE22CE703	KASHIF SHAKEEL	Kashif	Kashif	Kashif	Kashif	Kashif	Kashif
52	PCE22CE704	MANMOHAN SINGH						
53	PCE22CE800	NEETESH MEENA	Neetesh	Neetesh	Neetesh	AB	AB	AB
54	PCE22CE705	WASIM ALI						

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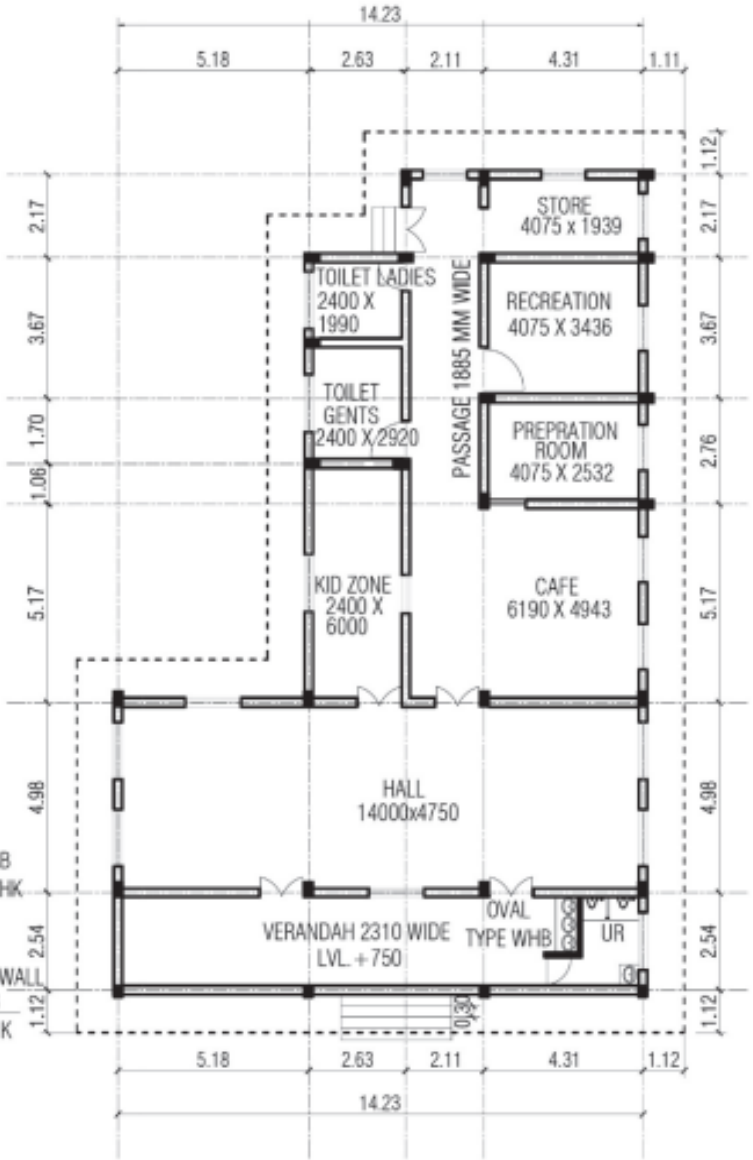
ASSIGNMENT 1:

Analyze and design the following two storied building.
Building specifications to be taken as:
Slab thickness : 125mm
Floor finish : 20thk Granite Floor
Live load : Store & Hall - 5KN/m2
: Rest other portion - 2 KN/m2
: Terrace - 3KN/m2
Wall thickness : 230 mm
Conc. Density : 25KN/m3
Depth & footing =1.2 m
Plinth height =0.75

TERRACE PLAN

FRONT ELEVATION



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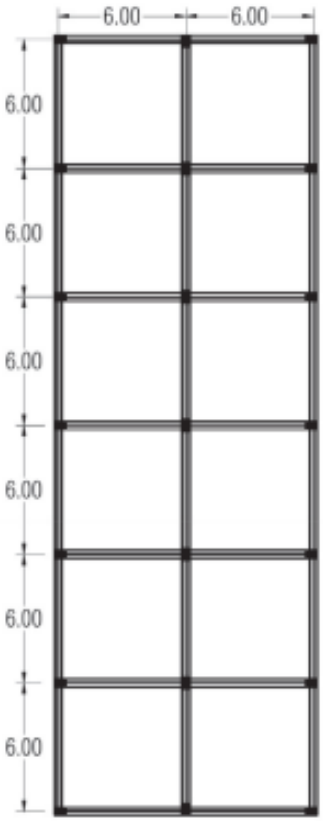
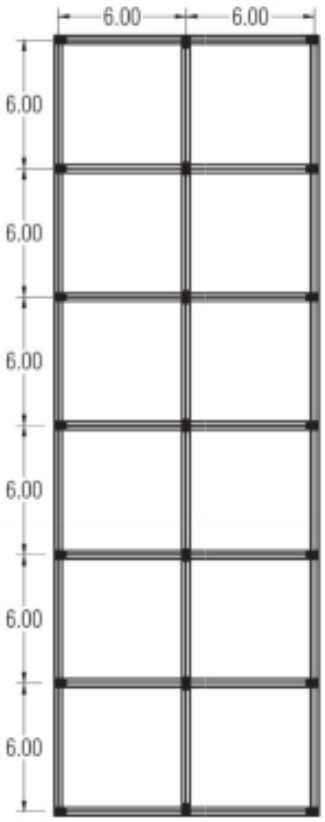
ASSIGNMENT 2:

Analyze the RCC building with given parameters.



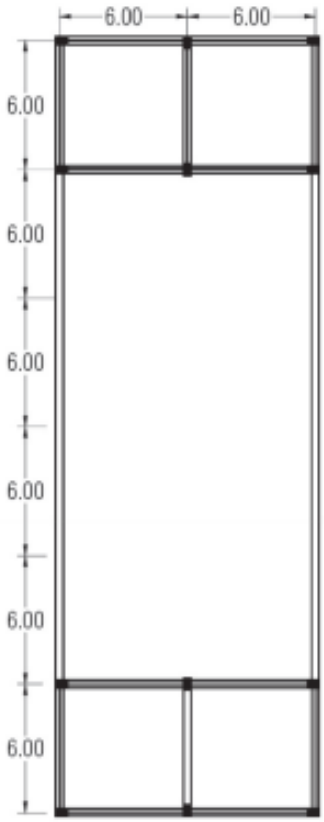
PLINTH BEAM PLAN AT 1.5 M LVL

ALL BEAMS – 0.30 M X 0.30 M



ROOF BEAM PLAN AT 5 M LVL

ALL BEAMS – 0.45 M X 0.30 M

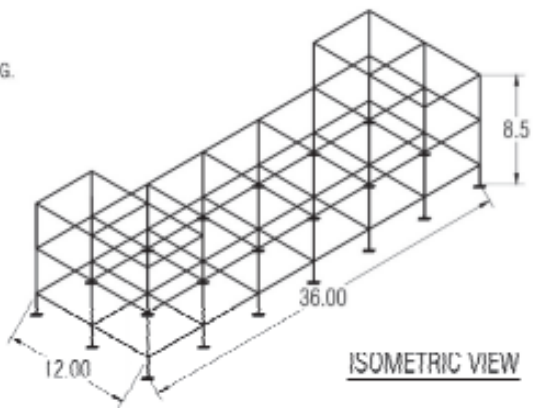


ROOF BEAM PLAN AT 8.5 M LVL

ALL BEAMS – 0.45 M X 0.30 M

ALL COLUMN SIZES – 0.3M X 0.45M
KEEP THE ORIENTATION OF COLUMNS AS GIVEN IN DRAWING.

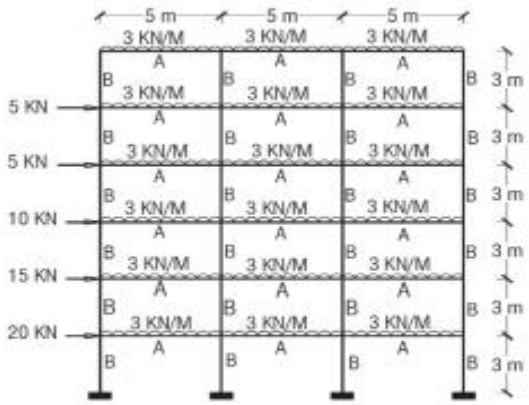
PARAMETERS:-
OUTER WALL – 0.230 THK WALL
INNER WALL – 0.115 THK
PARAPET WALL – 0.115 THK WALL 1 M HIGH
SLAB THICKNESS – 0.150m
FLOOR FINISH – 1.5 KN/m2
LIVE FLOOR LOAD – 3 KN/m2



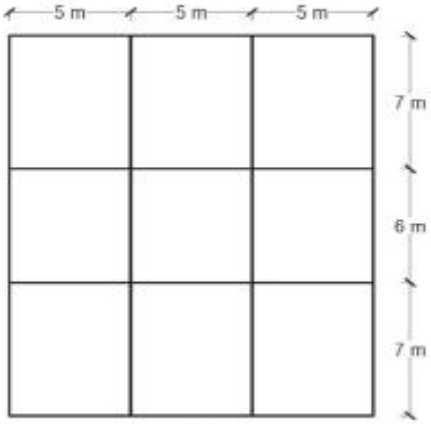
ISOMETRIC VIEW

ASSIGNMENT 3:

Analyze the following structure and find the maximum bending moment and shear force in every member.floor load to be taken as 3kn/m²

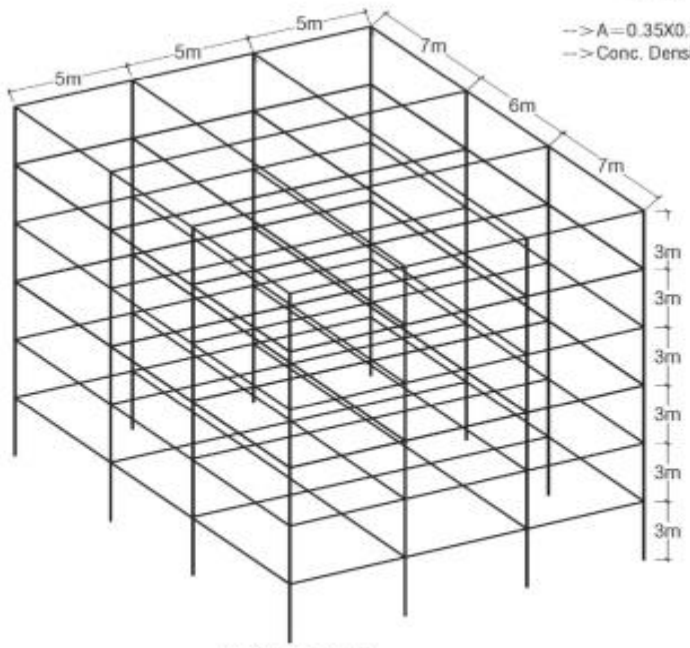


ELEVETION



PLAN

-->A=0.35X0.35 M -->B=0.25X0.35 M
-->Conc. Density : 25KN/m3



ISOMETRIC VIEW

CERTIFICATE:

Bentley

Certificate of Accomplishment

THIS CERTIFICATE IS PRESENTED TO

Nitin Kumar

upon successful completion of

Short Term Training Programme on STAAD.Pro CONNECT Edition | EN | EN

Product: *STAAD.Pro*

Version: *CONNECT Edition*

Course Date: *November 4, 2023 - December 3, 2023*

Learning Units: *45*

Training Partner: *Hitesh Lahoti & Associates*

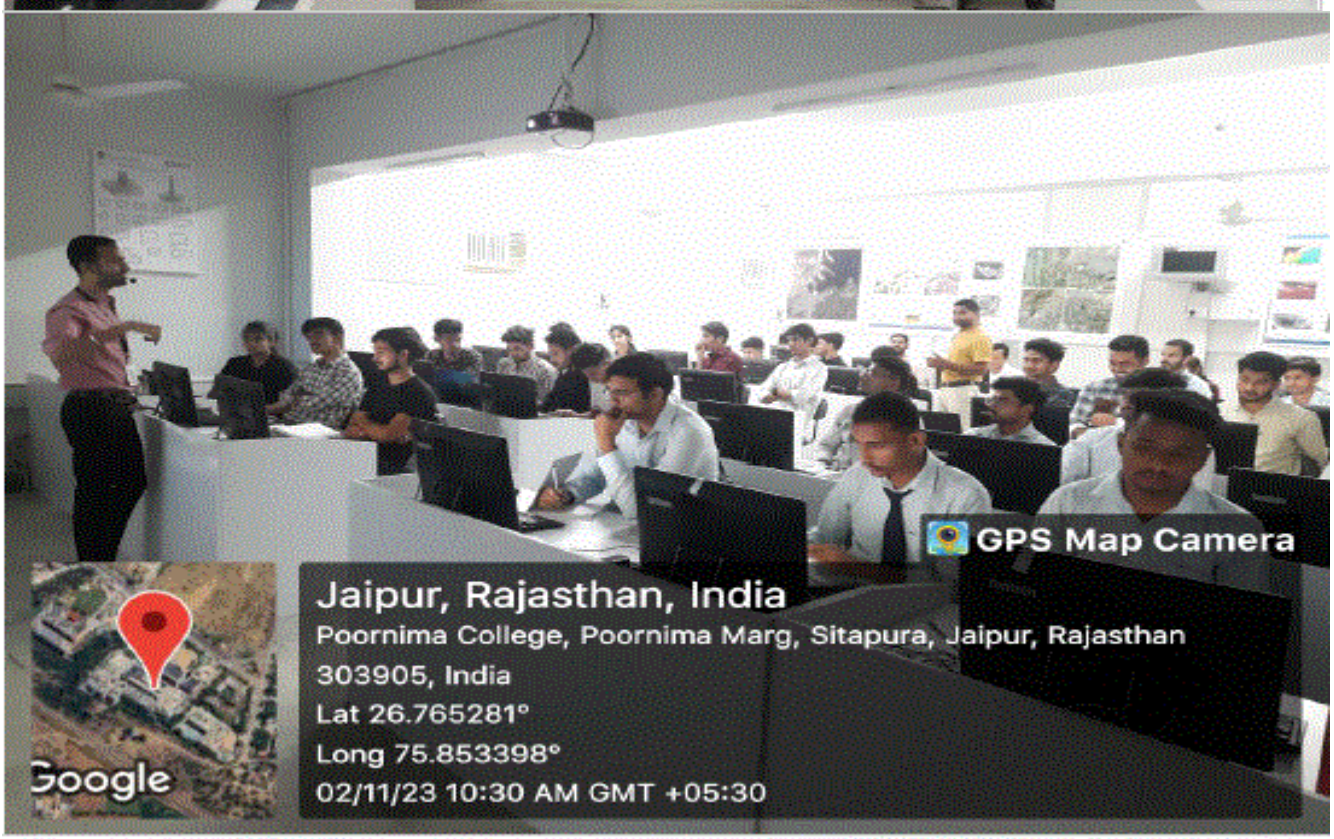
Amit Trehan
Director, User Learning
Bentley Systems Inc.

Certificate ID: *651808774*

Bentley

FEW GLIMPSES OF THE EVENT:

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR



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FEEDBACK:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		70.21	15.39	8.39	1.00	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.20	19.59	6.19	1.00	0.00	
3	Did it help students to enhance their	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.25	19.29	7.19	1.10	0.00	

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	skills or learnings?						
4	**Did you receive uninterrupted Connectivity in case of online sessions?**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
		72.20	**18.59**	**6.11**	**1.11**	**0.00**	
5	**How do you rate this session overall?**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
		71.39	**19.19**	**6.19**	**1.00**	**0.00**	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

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POORNIMA
COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Report On Total Station

NAME OF ACTIVITY: Workshop on Total Station

DATE & DURATION: 22 November 2023

ORGANIZED BY: Department of Civil Engineering

OBJECTIVE: The objective might include:

Operational Understanding:

- Learn how to set up and calibrate a Total Station for accurate measurements.
- Gain proficiency in operating the instrument for distance, angle, and coordinate measurements.

Data Collection and Management:

- Explore techniques for efficient data collection using Total Station.
- Understand the process of managing and storing collected data.

Field Surveying Techniques:

- Apply Total Station technology in real-world field survey scenarios.
- Practice different surveying techniques such as traversing, leveling, and stakeout.

Accuracy and Error Analysis:

- Learn methods for assessing and minimizing errors in Total Station measurements.
- Understand the factors that contribute to measurement accuracy and precision.

Software Utilization:

- Familiarize participants with software used for data processing and analysis in conjunction with Total Station measurements.
- Provide hands-on experience with Total Station software for generating maps and reports.

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Director
Poornima College of Engineering
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Sitapura, JAIPUR

Integration with Other Technologies:

- Explore how Total Station technology integrates with other surveying and mapping technologies (e.g., GPS, GIS).

Best Practices and Safety:

- Emphasize safety protocols during Total Station operation.
- Discuss best practices for efficient and accurate surveying using Total Station equipment.

Hands-On Practical Exercises:

- Engage participants in practical exercises to reinforce theoretical concepts.
- Provide real-world scenarios for participants to apply their Total Station skills.

COURSE OUTCOMES:

- Gain proficiency in operating the Total Station for conducting accurate field surveys and measurements.
- Understand the principles and methodologies of Total Station to perform topographic mapping and layout marking.
- Demonstrate teamwork and communication skills in conducting collaborative field surveys using Total Station.

MAPPING OF CO WITH PO AND PSO

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	3	-	-	-	-	-	-	-	-	3	-
CO2	-	-	-	3	-	-	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	3	-	-	-	2	-	-

INTRODUCTION

Department of Civil Engineering conducted a one-day workshop for 2nd year students of Civil Engineering on 22 November 2023. This workshop was aimed to groom civil engineering students with essential knowledge and exposure to the real work with Total Station and to encourage leadership and teamwork skills.

The one-day workshop was divided into two sessions. In first session (morning) theory part was covered. 2 Hours lecture delivered by Mr. Prateek Sharma (Assistant Professor) on Total Station, E.D.M, parts of Total Station & Uses of Total Station. In Second session (afternoon) demonstration and Field work covered with help of Mr. Satendra Sharma (Technician).

Total No of Participants: 28

BROCHURE:

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Workshops on "Total Station"

About The Workshop

The Total Station is a surveying instrument that combines electromagnetic distance measuring and electronic theodolite. This workshop aims to provide civil engineering students with hands-on experience, knowledge, and leadership skills to work with Total Station, understand its uses, and take readings. The workshop will offer experiential learning opportunities to gain firsthand knowledge about surveying fieldwork.

To be organized by:
Department of Civil Engineering

Wednesday, November 22, 2023
Time: 9:30 AM to 11:30 AM

Venue: Room no. 1004 & Volleyball Ground
Poornima College of Engineering
Jaipur

RSVP
Mr. Prateek Sharma
Assistant Professor
+91-9950267733

Dr. Mahesh Bundele
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

CIRCULAR:

Prateek Sharma 2 days ago
to PCE, Satendra, me, H...

Dear Students,
Department of Civil Engineering plans a one-day workshop (2 Hrs) for 2nd year students of Civil Engineering on 22 November 2023.
Timing – 9.30 -11.30 A.M.
Faculty Coordinator – Prateek Sharma (9950267733)
Venue: Room No.1004 & Volleyball Ground, Poornima College of Engineering, Jaipur
PFA

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Workshops on "Total Station"

About The Workshop
The Total Station is a surveying instrument that combines electromagnetic distance measuring and electronic theodolite. This workshop aims to provide civil engineering students with hands-on experience, knowledge, and leadership skills to work with Total Station, understand its uses, and take readings. The workshop will offer experiential learning opportunities to gain firsthand knowledge about surveying fieldwork.

To be organized by:
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Wednesday, November 22, 2023
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Poornima College of Engineering Jaipur

RSVP
Mr. Prateek Sharma
Assistant Professor
+91-9950267733

Workshop Details

ABOUT INSTRUMENT

A total station (TS) or total station theodolite (TST) is an electronic/optical instrument used for surveying, levelling for construction work. Robotic or motorized total stations allow the

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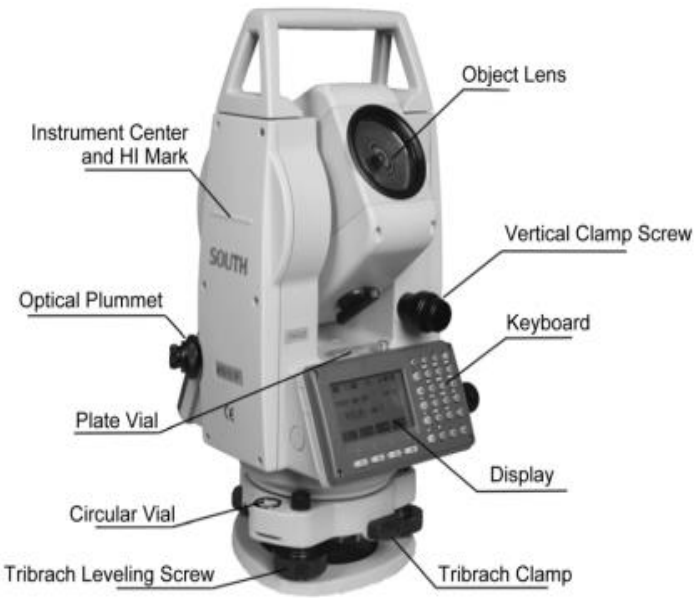
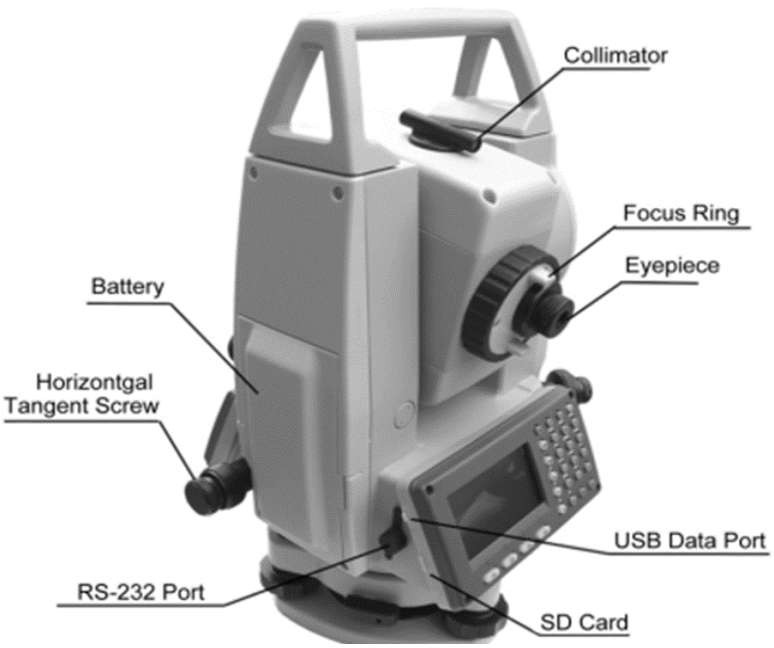
operator to control the instrument from a distance via remote control. It is an electronic transit theodolite integrated with electronic distance measurement (EDM) to measure both vertical and horizontal angles and the slope distance from the instrument to a particular point, and an on-board computer to collect data and perform triangulation calculations. This eliminates the need for an assistant staff member as the operator holds the retro reflector and controls the total station from the observed point. These motorized total stations can also be used in automated setups known as Automated Motorized Total Station (AMTS).





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WORKING PROCESS

This is the best instrument to carry out survey. The total station was switched on and then the required data pertaining to the groups allotted were entered. Then using the system of laser reflection, we assumed various points to take the fore sight reading. The instrument was then processed to measure the reading of the specific point. Thus, the data was saved and the results were taken out on a sheet with the help of a computer**.**

APPLICATIONS OF TOTAL STATION

Total stations are mainly used by land surveyors and civil engineers, either to record features as in topographic surveying or to set out features (such as roads, houses or boundaries). They are also used by archaeologists to record excavations and by police, crime scene investigators, and private accident reconstruction and insurance companies to take measurements of scenes.

Mining Purpose

Total stations are the primary survey instrument used in mining surveying. A total station is used to record the absolute location of the tunnel walls, ceilings (backs), and floors as the drifts of an underground mine are driven. The recorded data are then downloaded into a CAD program, and compared to the designed layout of the tunnel. The survey party installs control stations at regular intervals. These are small steel plugs installed in pairs in holes drilled into walls or the back. For wall stations, two plugs are installed in opposite walls, forming a line perpendicular to the drift. For back stations, two plugs are installed in the back, forming a line parallel to the drift. A set of plugs can be used to locate the total station set up in a drift or tunnel by processing measurements to the plugs by intersection and resection.

Mechanical and electrical construction

Total stations have become the highest standard for most forms of construction layout. They are most often used in the X and Y axis to lay out the locations of penetrations out of the underground utilities into the foundation, between floors of a structure, as well as roofing penetrations. Because more commercial and industrial construction jobs have become centered on building information modelling (BIM), the coordinates for almost every pipe, conduit, duct

and hanger support are available with digital precision. The application of communicating a virtual model to a tangible construction potentially eliminates labour costs related to moving poorly measured systems, as well as time spent laying out these systems in the midst of a full-blown construction job in progress.

Meteorology

Meteorologists also use total stations to track weather balloons for determining upper-level winds. With the average ascent rate of the weather balloon known or assumed, the change in azimuth and elevation readings provided by the total station as it tracks the weather balloon over time are used to compute the wind speed and direction at different altitudes. Additionally, the total station is used to track ceiling balloons to determine the height of cloud layers. Such upper-level wind data is often used for aviation weather forecasting and rocket launches.

FUNCTION

Angle measurement

Most total station instruments measure angles by means of electro-optical scanning of extremely precise digital bar-codes etched on rotating glass cylinders or discs within the instrument. The best quality total stations are capable of measuring angles to 0.5 arc-second. Inexpensive "construction grade" total stations can generally measure angles to 5 or 10 arc-seconds.

Distance measurement

Measurement of distance is accomplished with a modulated infrared carrier signal, generated by a small solid-state emitter within the instrument's optical path, and reflected by a prism reflector or the object under survey. The modulation pattern in the returning signal is read and interpreted by the computer in the total station. The distance is determined by emitting and receiving multiple frequencies, and determining the integer number of wavelengths to the target for each frequency. Most total stations use purpose-built glass prism (surveying) reflectors for the EDM signal. A typical total station can measure distances up to 1,500 meters (4,900 ft) with an accuracy of about 1.5 millimetres (0.059 in) ± 2 parts per million. Reflector less total stations can measure distances to any object that is reasonably light in colour, up to a few hundred meters.

Coordinate measurement

The coordinates of an unknown point relative to a known coordinate can be determined using the total station as long as a direct line of sight can be established between the two points. Angles and distances are measured from the total station to points under survey, and the coordinates (X, Y, and Z; or easting, northing, and elevation) of surveyed points relative to the total station position are calculated using trigonometry and triangulation.

To determine an absolute location, a total station requires line of sight observations and can be set up over a known point or with line of sight to 2 or more points with known location, called free stationing.

For this reason, some total stations also have a Global Navigation Satellite System receiver and do not require a direct line of sight to determine coordinates. However, GNSS measurements may require longer occupation periods and offer relatively poor accuracy in the vertical axis.

Data processing

Some models include internal electronic data storage to record distance, horizontal angle, and vertical angle measured, while other models are equipped to write these measurements to an external data collector, such as a hand-held computer.

When data is downloaded from a total station onto a computer, application software can be used to compute results and generate a map of the surveyed area. The newest generation of total stations can also show the map on the touch-screen of the instrument immediately after measuring the points.

Conclusion:

The main focus of the workshop will provide field knowledge about Total Station, its use on field. It's working process on field. Also, too familiar with E.D.M Based instrument.

Attendance:

Poornima College of Engineering, Jaipur

Department of Civil Engineering

Workshop on "Total Station"

Attendance (22/11/2023)

S.No.	Reg. No	Student Name	Signature
1	PCE22CE508	AHTISHAM RASHID	
2	PCE22CE001	AJAY YADAV	
3	PCE22CE002	ANSH KUMAR DVIVEDI	
4	PCE22CE506	ARJUN KUMAR	ABSENT
5	PCE22CE003	ARYAN BAIRWA	
6	PCE22CE004	ARYAN YADAV	
7	PCE22CE005	HIMANSHU MEENA	
8	PCE22CE006	LOKESH KUMAWAT	
9	PCE22CE007	MANISH KARWASARA	
10	PCE22CE008	MAYANK MEENA	
11	PCE22CE009	MOHAMMAD MONISH RAZA	ABSENT
12	PCE22CE010	MOHAMMED ADIL	
13	PCE22CE011	MS ASTHA GARG	ABSENT
14	PCE22CE013	MS JAHNAVI NINAMA	
15	PCE22CE012	MS PARUL SHARMA	
16	PCE22CE031	NITIN SHARMA	
17	PCE22CE015	PAVAN GURJAR	
18	PCE22CE017	PRAGYA SHEKHAWAT	
19	PCE22CE018	RAJESH JANGIR	ABSENT
20	PCE22CE019	ROHIT PRAJAPATI	
21	PCE22CE020	SAMEER BAIRWA	
22	PCE22CE021	SAMEER CHOUDHARY	
23	PCE22CE022	SIDDHARTH SAINI	
24	PCE22CE023	SUNIL KUMAR RANWA	
25	PCE22CE024	TANMAY KUMAR	ABSENT
26	PCE22CE025	TUSHAR JAISWAL	
27	PCE22CE026	VISHAL DHAWAN	
28	PCE22CE027	YASHRAJ ADITYA	ABSENT
29	PCE22CE028	YUVRAJ SINGH GURJAR	
30	PCE23CE800	ADITYA SAINI	
31	PCE23CE801	AJAY SINGH CHOUHAN	
32	PCE23CE802	AMAN VISHAL	
33	PCE23CE803	RAVI RAUSHAN	
34	PCE23CE804	VIVEK KUMAR	

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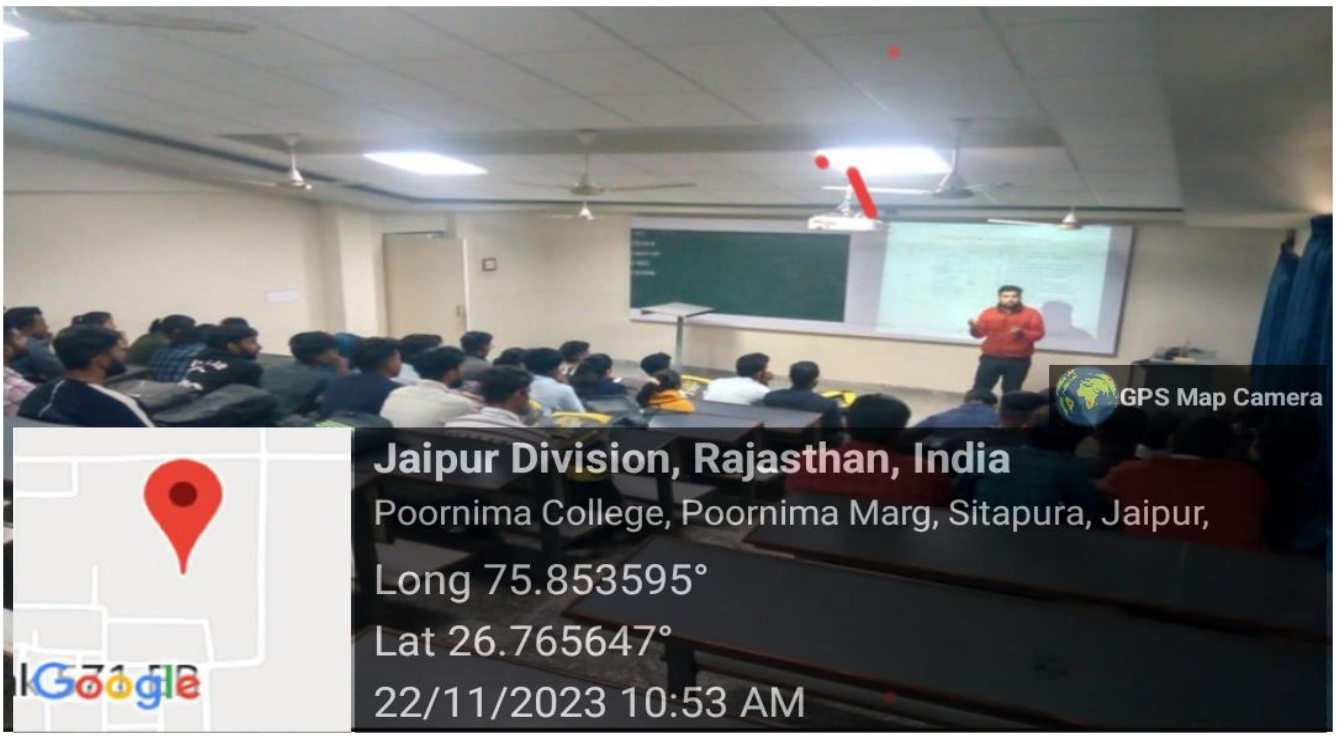
FEW GLIMPSES OF THE EVENT:



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FEEDBACK:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		70.21	11.91	9.99	1.00	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.25	19.19	7.92	1.11	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.29	16.11	6.49	1.20	0.00	
4	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.20	19.59	5.19	1.32	0.00	
5	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		72.29	18.52	6.99	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

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Report OnWorkshop on Technical Writing in MS-Word

NAME OF ACTIVITY: Workshop on Technical Writing in MS-Word

DATE & DURATION: 05 December, 2023

ORGANIZED BY: Department of Civil Engineering

RESOURCE PERSON: Dr. Vishal Singhal

EXPECTED OUTCOMES:

- Students will develop proficiency in using MS Word for technical writing, including formatting, referencing, and content organization.
- Students will understand the importance of clarity, structure, and professionalism in technical documents.
- Students will learn to apply advanced features of MS Word to prepare professional-level reports, manuals, and presentations

MAPPINGS WITH PO&PSO:

CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	3	-	-	-	-	-	-	-	2	-	-
CO2	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-
CO3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	3

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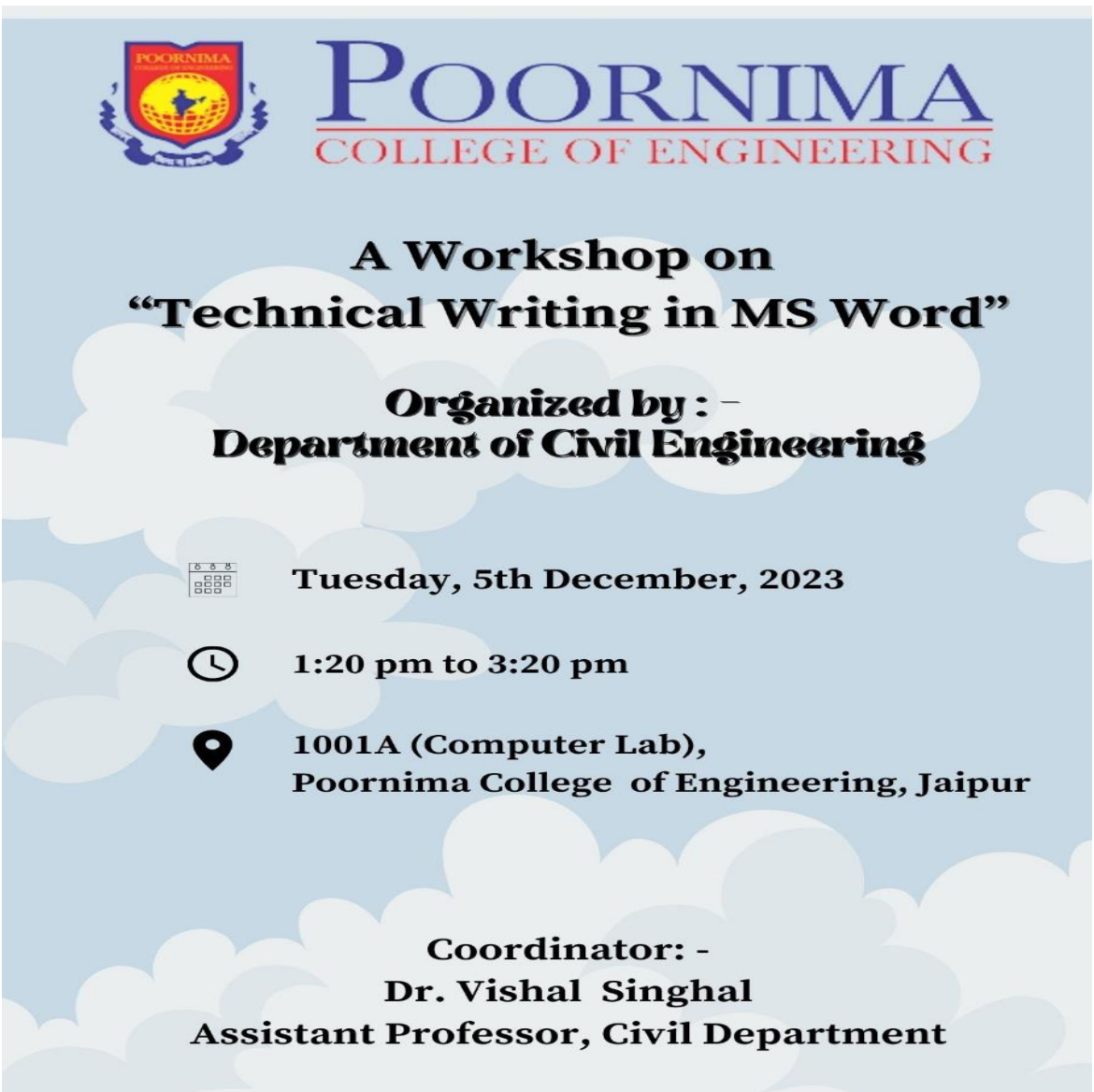
OBJECTIVE: The Workshop on Technical Writing in MS Word was conducted with the aim of equipping participants with the essential skills and knowledge required for effective technical writing using Microsoft Word.

About the Workshop:

Technical writing is a crucial skill for students pursuing various fields of study. Whether you are an engineering, business, or humanities student, the ability to communicate complex information clearly and concisely is invaluable. The workshop focused on providing practical insights, hands-on exercises, and best practices to enhance the participants' proficiency in creating clear, concise, and well-structured technical documents.

BROCHURE:



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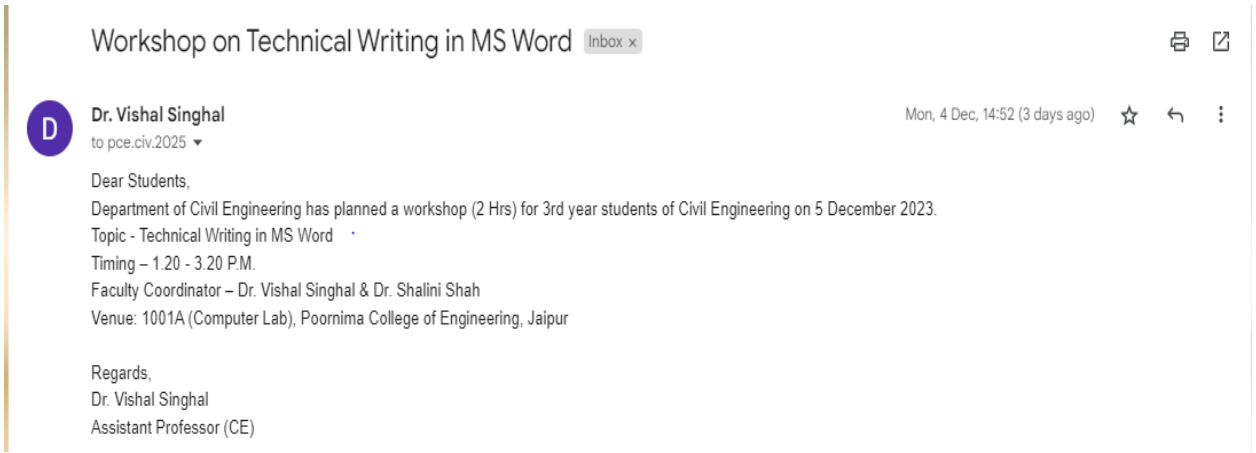
CIRCULAR:



Workshop on Technical Writing in MS Word Inbox ×

Dr. Vishal Singhal Mon, 4 Dec, 14:52 (3 days ago)
to pce.civ.2025

Dear Students,
Department of Civil Engineering has planned a workshop (2 Hrs) for 3rd year students of Civil Engineering on 5 December 2023.
Topic - Technical Writing in MS Word
Timing – 1.20 - 3.20 P.M.
Faculty Coordinator – Dr. Vishal Singhal & Dr. Shalini Shah
Venue: 1001A (Computer Lab), Poornima College of Engineering, Jaipur

Regards,
Dr. Vishal Singhal
Assistant Professor (CE)

Microsoft Word Features for Technical Writing:

1. **Styles and Formatting:**

Utilize word's built-in styles for headings, subheadings, and body text. Consistent formatting enhances document professionalism and readability.

2. **Table of Contents:**

Microsoft word allows automatic generation of a table of contents based on heading styles. This feature simplifies document navigation and provides a quick overview.

3. **Inserting Graphics and Visuals:**

Enhance understanding by incorporating visuals such as charts, graphs, and images. Word facilitates easy insertion and formatting of visuals within the document.

4. **Collaboration Tools:**

Take advantage of word's collaboration features, such as comments and track changes, when working on documents with peers or receiving feedback from instructors.

5. **Table Tools:**

Effectively present data using tables. Word provides robust table tools for creating, formatting, and modifying tables to organize and display information.

Best Practices for Technical Writing in Microsoft Word:

1. **Proofreading and Editing:**

Use Word's spelling and grammar check tools, and also manually proofread your document for errors. A polished document reflects professionalism.

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2. **Version Control:**

Save and manage different versions of your document using word's version control features. This ensures you can track changes and revert to previous versions if needed.

3. **Document Security:**

Familiarize yourself with word's security features, including password protection and document encryption, to safeguard sensitive information.

Workshop Highlights:

1. **Hands-On Exercises:**

Participants engaged in practical exercises to apply the concepts learned, creating sample technical documents using MS Word. This allowed them to gain a firsthand understanding of the tools and techniques discussed.

2. **Interactive Sessions:**

The workshop fostered an interactive environment, encouraging participants to ask questions, share their experiences, and engage in discussions about challenges and solutions in technical writing.

3. **Best Practices and Common Pitfalls:**

The facilitators discussed best practices in technical writing and highlighted common pitfalls to avoid. This session aimed to equip participants with the knowledge to produce high-quality documents while steering clear of common errors.

4. **Hands-on Exercises:**

The workshop incorporated practical exercises where participants had the opportunity to apply the concepts learned. These exercises included creating a technical document from scratch, formatting it appropriately, and receiving constructive feedback.

5. **Q&A Session:**

An interactive Q&A session allowed participants to seek clarification on specific challenges they faced in their professional context. The facilitators provided practical solutions and shared additional tips based on their experience.

Participant Feedback:

Participants were encouraged to provide feedback on the workshop content, delivery, and overall experience. Evaluations indicated a positive response, with participants expressing increased confidence in their technical writing skills using MS Word.

Voices of Participants:

"The workshop was incredibly useful for improving my technical writing skills. The hands-on exercises really helped solidify the concepts." **- PCE21CE024, NITIN KUMAR**

“I appreciated the focus on MS Word features specifically tailored for technical documentation. It has already made a difference in my work." **- PCE22CE508, AHTISHAM RASHID**

Conclusion:

The Workshop on Technical Writing in MS Word was a resounding success, providing participants with the skills and knowledge needed to excel in the field of technical writing. The interactive and practical approach ensured that participants could immediately apply what they learned. The positive feedback received indicates a strong demand for similar workshops in the future, showcasing the importance of continued education in technical communication.

Future Initiatives:

Considering the positive response, there are plans to conduct more workshops and training sessions on related topics. The aim is to continue supporting professionals in honing their technical writing skills and staying updated on the latest tools and techniques.

In conclusion, the Workshop on Technical Writing in MS Word served as a valuable platform for professional development, fostering a community of proficient technical writers eager to excel in their respective fields.

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ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

Attendance:

Attendance- III SEM

Poornima College of Engineering			
Department of Civil Engineering			
Students List			
Roll no.	Reg. No.	Name of Student	Signature
1	PCE22CE508	AHTISHAM RASHID	
2	PCE22CE001	AJAY YADAV	
3	PCE22CE003	ARYAN BAIRWA	
4	PCE22CE004	ARYAN YADAV	
5	PCE22CE015	PAVAN GURJAR	
6	PCE22CE018	RAJESH JANGIR	
7	PCE22CE023	SUNIL KUMAR RANWA	
8	PCE22CE025	TUSHAR JAISWAL	
9	PCE23CE800	ADITYA SAINI	
10	PCE22CE801	AJAY SINGH CHOUHAN	

Attendance- VSEM

Poornima College of Engineering, Jaipur			
Department of Civil Engineering			
Students List			
S.No.	Registration Number	Name	Signature
1	PCE21CE002	AASHISH CHAUHAN	
2	PCE21CE003	ABHISHEK	
3	PCE21CE007	ANKIT KUMAR MEENA	
4	PCE21CE010	DEVANSHI MEENA	
5	PCE21CE017	KESHAV KUMAR	
6	PCE21CE019	MANISH PRAJAPAT	
7	PCE21CE022	MOHD KAIF LANGA	
8	PCE21CE023	NAVEEN SINGH	
9	PCE21CE024	NITIN KUMAR	
10	PCE21CE028	RAGHAV KUMAR SHARMA	
11	PCE21CE034	RAVI KUMAR SHARMA	
12	PCE21CE039	SHIVANI VERMA	
13	PCE21CE042	SUJATA KUMARI	
14	PCE21CE043	TANMAY BARGOT	
15	PCE21CE045	TILAK RAJ	
16	PCE21CE046	VIJAY KUMAR	
17	PCE22CE703	KASHIF SHAKEEL	
18	PCE22CE704	MANMOHAN SINGH	
19	PCE22CE800	NEETESH MEENA	

Dr. Mahesh Bundele
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Director
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Sitapura, JAIPUR

CERTIFICATE:

Workshop
On
"MS Word"
Organized By
Department of Civil Engineering
&
Poornima College of Engineering, Jaipur, Rajasthan

Participation Certificate

C. ID: 2023-24/CE/009

This is to certify that **Mr. Nitin Kumar** of **Poornima College of Engineering, Jaipur** has participated in the *"MS Word Workshop"* held from **05/10/2023** at **Poornima College of Engineering, Jaipur, Rajasthan**.

P.N. Dadhich

Head of Department

Coordinator

FEW GLIMPSES OF THE EVENT:

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Dr. Mahesh Bundele
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Director
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Sitapura, JAIPUR

FEEDBACK:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		75.21	11.91	5.29	1.20	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		75.88	14.19	7.92	1.11	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.29	16.11	6.49	1.20	0.00	
4	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.20	18.59	5.19	1.32	0.00	
5	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		72.29	18.52	6.99	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

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CELEBRATING 25 YEARS OF EXCELLENCE

Report - Hands on Training in Digital Image Processing & its Applications

NAME OF ACTIVITY: Workshop on Hands on Training in Digital Image Processing & its Applications

DATE & DURATION: May 14-16, 2024

ORGANIZED BY: Department of Civil Engineering

RESOURCE PERSON: Dr. Pran Nath Dadhich

DATE: 14/05/2024 to 16/05/2024

OUTCOMES:

CO1: Gain hands-on experience in using modern tools and techniques essential for civil engineering applications.

CO2: Understand the importance of sustainability in civil engineering practices and its impact on the environment.

CO3: Develop the ability to work collaboratively in a team to execute engineering tasks and communicate findings effectively.

MAPPING OF COs WITH POs AND PSOs:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-
CO2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	3	-	-	-	-	2	-

Dr. Mahesh Bundele
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Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

OBJECTIVE:

- Train the participants with the theoretical concepts of the digital image processing techniques with main emphasize to remote sensing applications.
- Understanding of various state-of-art techniques in image processing.
- Training on the development of pattern recognition and digital image analysis algorithms.
- Knowledge and hands-on training of software for image analysis.
- Training of the students with recent developments in digital image processing in industries.

CIRCULAR

Workshop on Hands on Training in Digital Image Processing & its Applications

HOD CIVIL PCE <hodcivil.pce@poornima.org> Wed, 8 May, 13:59 (8 days ago)
to PCE-

Dear Students,

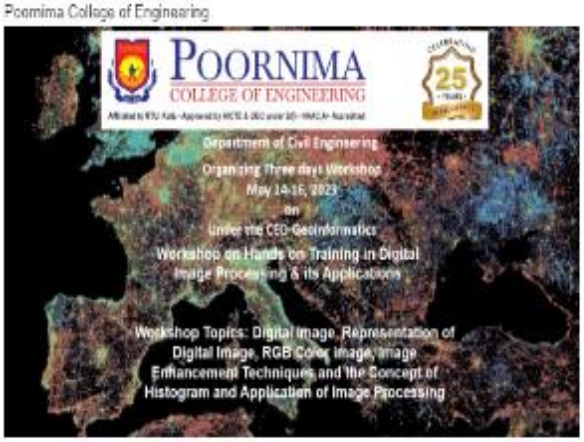
The Department of Civil Engineering is organizing a Workshop on **Hands on Training in Digital Image Processing & its Applications** from May 14-16, 2024.

The focus of the workshop will be: Digital Image, Representation of Digital Image, RGB Color Image, Image Enhancement Techniques and the Concept of Histogram and Application of Image Processing.

It is informed to register for this workshop through the below google form link.
https://forms.gle/wuULNDm87FVbw2XX8

--
Thanks and Regards

Pran N. Dadhich (D. Eng)
Department of Civil Engineering
Poornima College of Engineering



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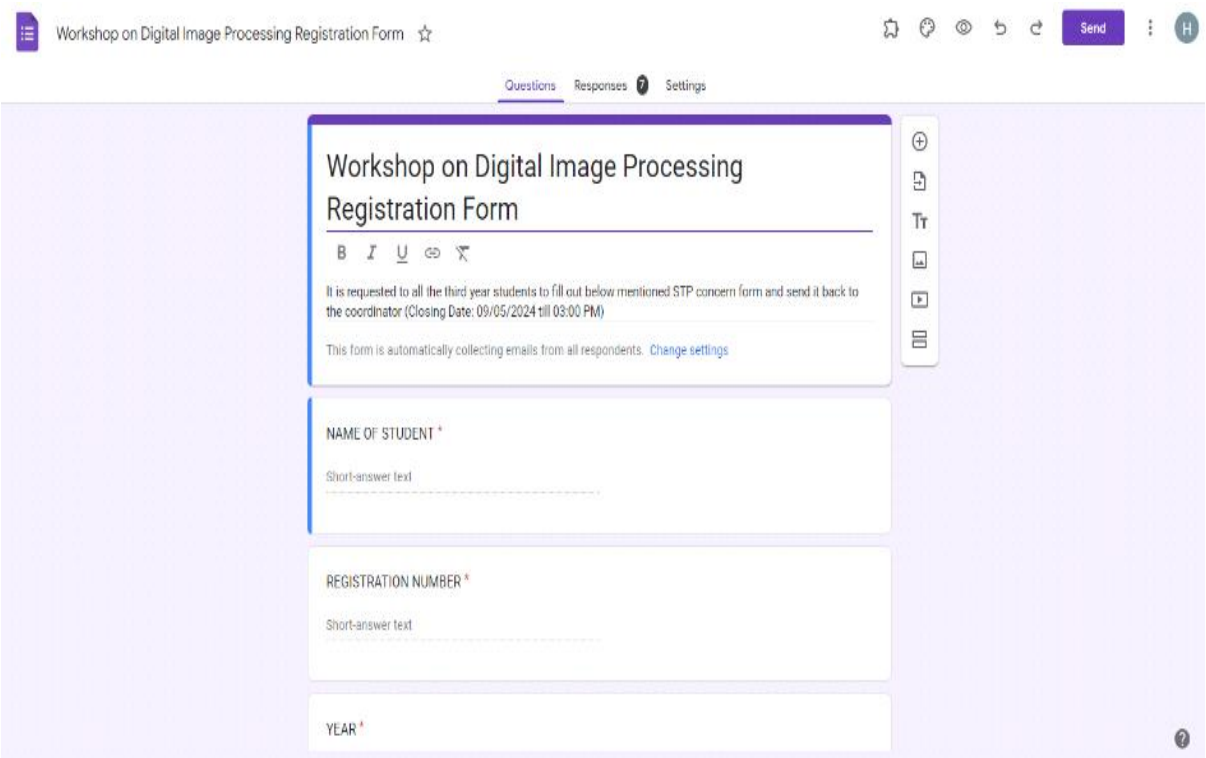
Google Form for Registration:



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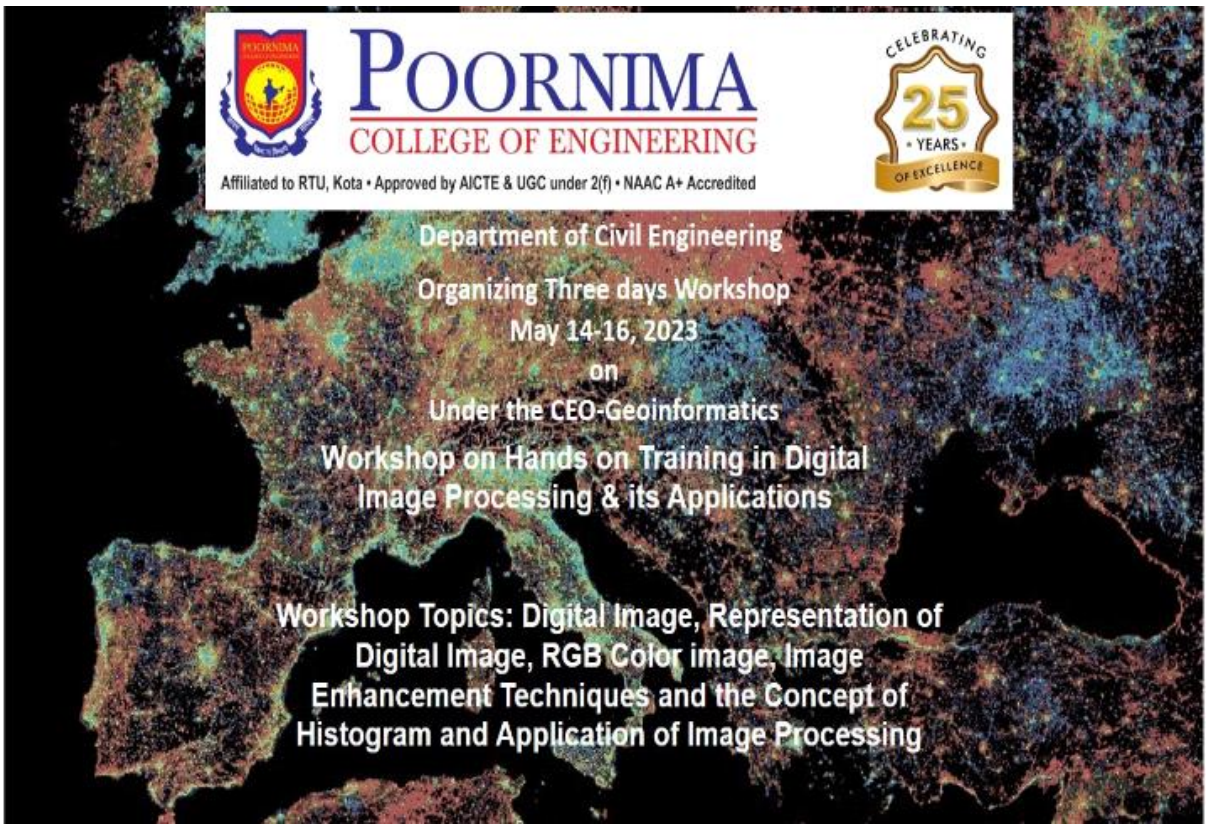

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INTRODUCTION:

In this workshop, we'll delve into the intricate world of digital image processing, a pivotal component of remote sensing technology. From satellite imagery capturing the Earth's surface to drones surveying inaccessible terrains, remote sensing platforms provide us with a wealth of data that holds immense potential for scientific research, environmental monitoring, urban planning, agriculture, disaster management, and much more.

Throughout our session, we'll unravel the complexities of digital image processing techniques tailored for remote sensing applications. We'll explore how algorithms and software tools transform raw sensor data into meaningful insights, enhancing our understanding of natural phenomena and human activities on a global scale.

Through hands-on demonstrations, case studies, and interactive discussions, we aim to equip you with the knowledge and tools needed to navigate the dynamic landscape of digital image processing in remote sensing.

Session Overview:

Date	Day	Topics Covered
14/05/2024	TUESDAY	• Basic of Satellite Images • Digital Image Concepts • Representation of Digital Image • Acquiring Satellite Images using Bhoonidhi portal of ISRO
15/05/2024	WEDNESDAY	• Introduction to Erdas imagine software • RGB Color images • Image Enhancement Techniques and the Concept of Histogram technique. • Image enhancement through the PAN merge.
16/05/2024	THURSDAY	• Basic concepts of Image classification • Image Interpretation Keys/ Elements • Image Classification Methods- Supervised and Unsupervised • Analysis and Discussion of classified satellite image

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Day: 1

DATE: 14/05/2024, (Tuesday)

Basics of Satellite Images:

- Satellite images are captured by satellites orbiting the Earth.
- They provide valuable information about the Earth's surface.
- Used in various fields like cartography, environmental monitoring, and urban planning.

Digital Image Concepts:

- Digital images are composed of pixels, each representing a small portion of the image.
- Image resolution determines the level of detail in an image.
- Color depth refers to the number of colors that can be represented in an image.

Representation of Digital Images:

- Digital images are represented using matrices of numerical values.
- Grayscale images have one matrix representing brightness values.
- Color images have multiple matrices representing color channels (e.g., red, green, blue).

4. Acquiring satellite images using Bhunidhi portal of ISRO

The Bhunidhi portal, developed by the Indian Space Research Organisation (ISRO), provides access to satellite imagery for various applications. This step-by-step guide explains how to download satellite images using the Bhunidhi portal.

Step 1: Accessing the Bhunidhi Portal

Open your web browser and navigate to the Bhunidhi portal website (URL: [insert URL]).

Log in to the portal using your credentials. If you don't have an account, sign up for one to access the features.

Step 2: Searching for Satellite Images

Once logged in, navigate to the search interface or dashboard.

Specify your search criteria, such as location, date range, satellite sensor, and image resolution.

Step 3: Viewing Image Results

After entering your search parameters, click on the "Search" or "Submit" button.

The portal will display a list of satellite images matching your search criteria.

Preview the images to ensure they meet your requirements.

Step 4: Selecting Images for Download

Select the satellite images you wish to download by clicking on them or checking the respective checkboxes.

You can choose multiple images for download if needed.

Step 5: Downloading Images

After selecting the desired images, locate the download option (usually represented by a download icon or button).

Click on the download option to initiate the download process.

Depending on the file size and your internet connection speed, the download may take some time.

Step 6: Post-Download Processing (Optional)

Once the images are downloaded, you can use image processing software to analyze and manipulate them as needed.

Perform tasks such as image enhancement, classification, and georeferencing to extract valuable information from the images.

Day: 2

DATE: 15/05/2024, (Wednesday)

- ## Introduction to Erdas Imagine Software

Erdas Imagine is a powerful remote sensing and image processing software widely used for analyzing and interpreting satellite and aerial imagery. This brief overview introduces the basic functionalities of Erdas Imagine software and explores the concept of RGB color images commonly used in remote sensing applications.

Erdas Imagine Software:

Erdas Imagine is a comprehensive software suite developed by Hexagon Geospatial for remote sensing, spatial analysis, and image processing.

It offers a wide range of tools and capabilities for handling various types of satellite, aerial, and drone imagery.

Users can perform tasks such as image interpretation, classification, mosaicking, and change detection.

Introduction to RGB Color Images:

RGB (Red, Green, Blue) color images are a common type of digital image representation where each pixel is defined by three color channels: red, green, and blue.

These color channels are combined to create a full-color image where each pixel's color is a mixture of red, green, and blue intensities.

RGB color images closely resemble how the human eye perceives color, making them intuitive and widely used in various applications.

Key Features of Erdas Imagine for RGB Color Images:

Importing and Displaying Images:

Erdas Imagine allows users to import satellite, aerial, and other imagery in various formats such as GeoTIFF, JPEG, and ERDAS IMAGINE (.img) format.

Once imported, users can visualize the images in the software's display window, enabling easy exploration and interpretation.

Color Enhancement and Adjustment:

Users can perform color enhancement and adjustment techniques to improve the visual quality of RGB images.

This includes adjusting brightness, contrast, and color balance to enhance image clarity and highlight specific features.

Image Analysis and Classification:

Erdas Imagine offers tools for image analysis and classification, allowing users to identify and classify objects within RGB images.

Classification techniques can be applied to separate land cover types, vegetation, water bodies, and built-up areas based on their spectral signatures.

Image Fusion and Integration:

Users can fuse or integrate multiple RGB images with other spectral bands or datasets to create composite images with enhanced information content.

Image fusion techniques combine the strengths of different sensors or image sources to generate high-quality, multispectral imagery.

Day: 3

DATE: 16/05/2024, (Thursday)

Basic Concepts of Image Classification:

Image classification is the process of categorizing pixels within an image into thematic classes or categories based on their spectral characteristics.

Key concepts include spectral resolution (the number of bands), spatial resolution (the size of pixel), and thematic resolution (the number of classes).

Image Interpretation Keys/Elements:

Image interpretation involves analysing the visual characteristics of satellite imagery to identify features and land cover types.

Elements of image interpretation include tone/colour, texture, pattern, shape, size, shadow, and association.

Image Classification Methods - Supervised and Unsupervised:

Supervised classification involves training a classifier using a set of known, labelled samples to classify pixels into predefined classes.

Unsupervised classification groups pixels based on their spectral similarity without prior knowledge of class labels, often resulting in clusters of similar spectral signatures.

Analysis and Discussion of Classified Satellite Image:

Once a satellite image is classified, the results are typically analysed and interpreted to extract meaningful information.

Analysis involves assessing the accuracy of the classification, identifying areas of interest, and evaluating changes over time.

Discussion may include insights gained from the classification results, implications for land use planning or environmental monitoring, and recommendations for further analysis or actions.

PHOTOGRAPHS:

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CONCLUSION:

The three-day workshop on digital image processing and its applications has been a transformative journey, providing participants with a comprehensive understanding of the fundamental concepts and practical techniques in this dynamic field. Throughout the workshop, attendees delved into a diverse range of topics, including image acquisition, enhancement, classification, and analysis, gaining valuable insights into the potential applications across various domains.

Participants have not only acquired theoretical knowledge but also honed their practical skills through hands-on sessions and real-world case studies. By exploring cutting-edge tools and software platforms, such as Erdas Imagine and ENVI, attendees have developed proficiency in processing and interpreting digital imagery, paving the way for innovative solutions in research, industry, and academia.

Moreover, the workshop fostered a collaborative environment where participants engaged in fruitful discussions, shared experiences, and exchanged ideas. This collective learning experience has enriched their perspectives and inspired creativity in leveraging digital image processing techniques to address complex challenges and drive meaningful impact.

As the workshop draws to a close, participants depart with newfound knowledge, skills, and enthusiasm to apply digital image processing in their respective fields. Armed with practical insights and a deeper understanding of the potential applications, they are well-equipped to harness the power of imagery for environmental monitoring, agriculture, urban planning, disaster management, and beyond.

In essence, the three-day workshop has been a catalyst for professional growth, collaboration, and innovation, empowering participants to unlock the full potential of digital image processing and make meaningful contributions to society. As they return to their endeavors, they carry with them the tools and inspiration to embark on a transformative journey in the realm of digital imagery and its applications.

Sample Certificate

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DEEPARTMENT OF CIVIL ENGINEERING

C. No. – 2023-24/CE/WVI-008

CERTIFICATE OF PARTICIPATION

This is to certify that

Mr. NITIN KUMAR

REG. No. - PCE21CE024

Poornima College of Engineering, Jaipur

has participated in the workshop on **Hands on Training in Digital Image Processing & its Applications** held from 14-16 May 2024.

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Principal and Director,
Poornima College of
Engineering, Jaipur

Dr. Pankaj Dhemla
Vice Principal,
Poornima College of
Engineering, Jaipur

Dr. Pran Nath Dadhich
Head, Dept. of Civil Engg.
Poornima College of
Engineering, Jaipur

Dr. Mahesh Bundele
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DEEPARTMENT OF CIVIL ENGINEERING

C. No. – 2023-24/CE/WVI-005

CERTIFICATE OF PARTICIPATION

This is to certify that

Ms. SHILPA BANSAL

REG. No. - PCE21CE038

Poornima College of Engineering, Jaipur

has participated in the workshop on **Hands on Training in Digital Image Processing & its Applications** held from 14-16 May 2024.

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Poornima College of
Engineering, Jaipur

Dr. Pankaj Dhemla
Vice Principal,
Poornima College of
Engineering, Jaipur

Dr. Pran Nath Dadhich
Head, Dept. of Civil Engg.
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ATTENDANCE SHEET

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Poornima College of Engineering
Department of Civil Engineering
Workshop on Digital Image Processing and Its Applications

Registration No.	Participant Name	Sign 14/05/2024	Sign 15/05/2024	Sign 16/05/2024
PCE21CE047	Astha Sethi	Astha	Astha	Astha
PCE21CE041	Sudhir	[illegible]	[illegible]	[illegible]
PCE21CE042	Sujata	Sujata	Sujata	Sujata
PCE21CE039	Shivani Verma	Shivani	Shivani	Shivani
PCE21CE043	Tanmay Singh	Tanmay	Tanmay	Tanmay
PCE21CE020	Heetesh	Heetesh	Heetesh	Heetesh
PCE21CE045	Tilak Raj	Tilak Raj	Tilak Raj	Tilak Raj
PCE21CE034	Ravi Kumar Sharma	Ravi	Ravi	Ravi Kumar
PCE21CE046	Vijay Kumar	Vijay	Vijay	Vijay
PCE21CE504	Rahul Singh	Rahul Singh	Rahul Singh	Rahul Singh
PCE21CE006	Akash Dhaka	[illegible]	[illegible]	[illegible]
PCE21CE010	Devansh Meena	D.Meena	Dhruva	D.Meena
PCE21CE028	Naveen Singh	[illegible]	[illegible]	[illegible]
PCE21CE002	Aashish Chauhan	Aashish	Aashish	Aashish
PCE22CE703	Kashif Mansoori	Kashif	Kashif	Kashif
PCE22CE705	Wasim Ali	[illegible]	[illegible]	[illegible]
PCE21CE035	Ravi Meena	[illegible]	[illegible]	
PCE21CE044	Tejas Rathore	Tejas	Tejas	Tejas
PCE21CE028	Raghav Kumar Sharma	[illegible]	[illegible]	[illegible]
PCE21CE503	Priyanka Kumari	[illegible]	[illegible]	[illegible]
PCE21CE038	Saloni Barsa	[illegible]	[illegible]	[illegible]
PCE21CE034	Nitin Kumar	Nitin	Nitin	Nitin
PCE21CE026	Poonam Chaudhary	[illegible]	[illegible]	
PCE21CE014	Gaurish Gaur	Gaurish	Gaurish	Gaurish
PCE21CE005	Aditya Meena	Aditya	Aditya	
PCE21CE040	Shreyash Sharma	[illegible]	[illegible]	[illegible]
PCE21CE033	Ravindra Singh	[illegible]	[illegible]	
PCE21CE501	Ashish Chauhan	AChauhan	AChauhan	
PCE21CE003	Abhishek	Abhishek	Abhishek	Abhishek
PCE21CE011	Devanshu		Devanshu	
PCE21CE015	Himanshu		[illegible]	[illegible]
PCE21CE019	Manish		Manish	
PCE22CE705	Wasim Ali			
PCE21CE012	Faeez Khan	Faeez	Faeez	Faeez
PCE21CE037	Rohit Choudhary	[illegible]	[illegible]	[illegible]
PCE21CE035	Ravi Meena	[illegible]	Naveen	[illegible]
[illegible]	Naveen Singh			

FEEDBACK

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FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		77.21	10.91	8.29	1.20	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		75.88	14.19	7.92	1.11	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.29	16.11	6.49	1.20	0.00	
4	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		71.20	18.59	5.19	1.32	0.00	
5	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		72.29	18.52	6.99	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future for more awareness.							

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Report - Workshop on Market Based Cost Estimation & Quantity Analysis

NAME OF ACTIVITY: - Workshop on Market Based Cost Estimation & Quantity Analysis

DATE & DURATION: May 20-22, 2024

ORGANIZED BY: Department of Civil Engineering

RESOURCE PERSON: Mr.Prateek Sharma

DATE: 20/05/2024 to 22/05/2024

OUTCOMES:

CO1: Gain hands-on experience in using modern tools and techniques essential for civil engineering applications.

CO2: Understand the importance of sustainability in civil engineering practices and its impact on the environment.

CO3: Develop the ability to work collaboratively in a team to execute engineering tasks and communicate findings effectively.

MAPPING OF COs WITH POs AND PSOs:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-
CO2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	3	-	-	-	-	2	-

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OBJECTIVE:

The objective of a workshop on Market Based Cost Estimation & Quantity Analysis could be multifaceted:

1. **Skill Development**: The primary goal might be to enhance participants' skills in utilizing market-based data for cost estimation and quantity analysis in various projects or industries.
2. **Understanding Market Dynamics**: Participants may learn how market dynamics influence cost estimation and quantity analysis, including factors such as supply and demand fluctuations, inflation rates, and market trends.
3. **Effective Resource Management**: Another objective could be to teach participants how to effectively manage resources by accurately estimating costs and quantities, thus ensuring project efficiency and profitability.
4. **Risk Mitigation**: By understanding market-based cost estimation, participants may learn strategies to mitigate risks associated with inaccurate estimations, such as budget overruns or resource shortages.
5. **Industry Best Practices**: The workshop might aim to impart industry best practices in cost estimation and quantity analysis, drawing on real-world examples and case studies to illustrate effective approaches.

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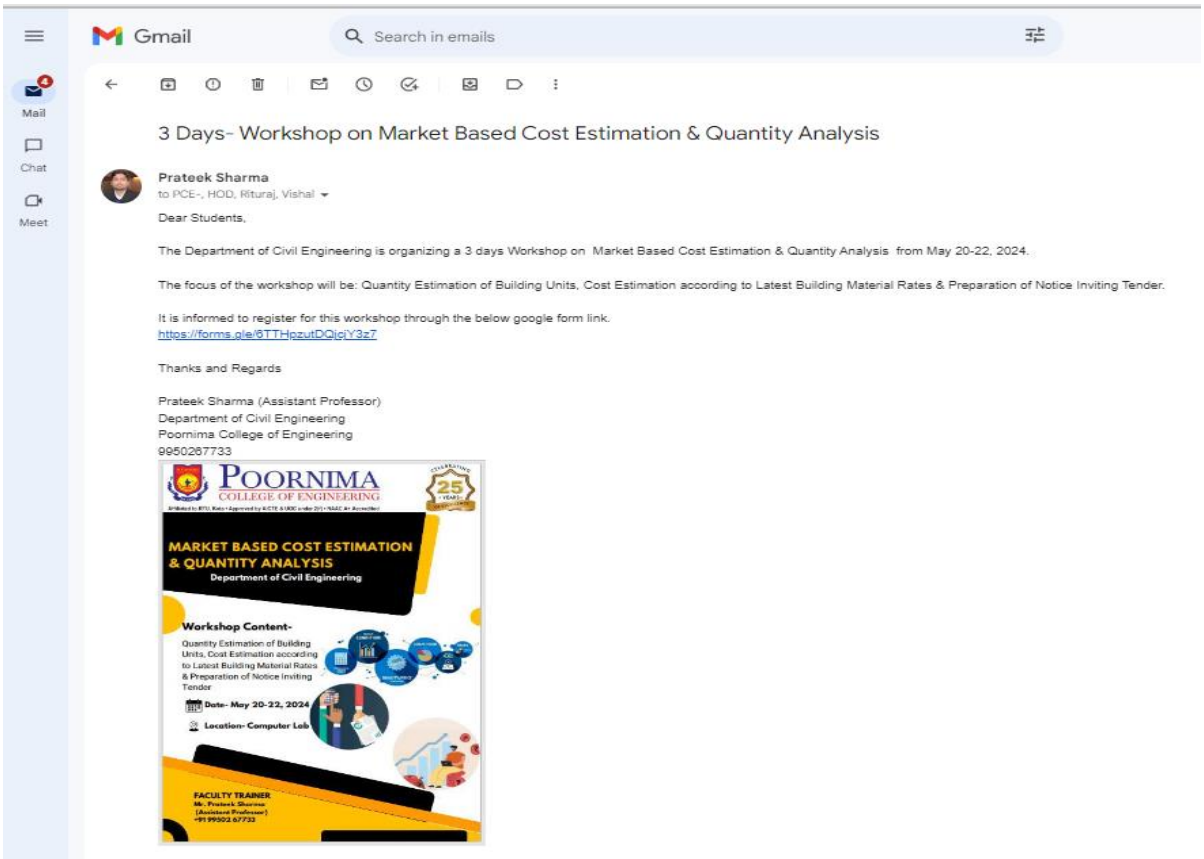

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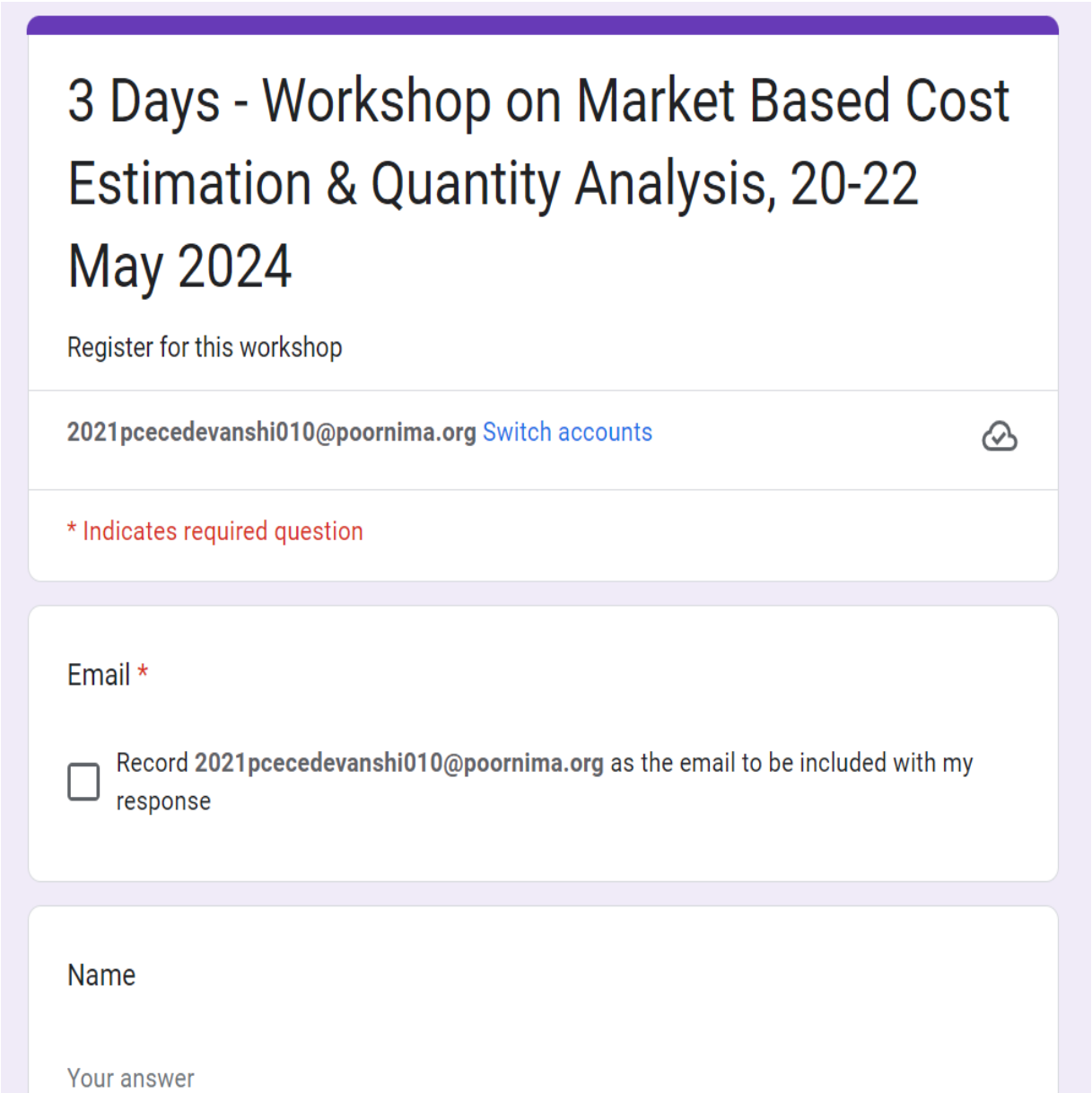
Google Form for Registration:



3 Days - Workshop on Market Based Cost Estimation & Quantity Analysis, 20-22 May 2024

Register for this workshop

2021pcecedevanshi010@poornima.org Switch accounts

* Indicates required question

Email *

Record 2021pcecedevanshi010@poornima.org as the email to be included with my response

Name

Your answer

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BROCHURE:

INTRODUCTION:

The workshop on Market Based Cost Estimation & Quantity Analysis provided a comprehensive platform for professionals to delve into the intricacies of utilizing market data to enhance cost estimation and quantity analysis processes. With a focus on practical applications and industry insights, the workshop aimed to equip participants with the necessary tools and strategies to navigate the dynamic landscape of project management effectively.

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Throughout the workshop, participants engaged in interactive sessions, case studies, and discussions led by industry experts. The agenda encompassed various aspects, including understanding market dynamics, leveraging market-based data for accurate estimations, and

optimizing resource allocation strategies. By blending theoretical concepts with real-world examples, the workshop fostered a holistic understanding of the subject matter, empowering attendees to make informed decisions and mitigate risks associated with cost overruns and resource shortages.

This report provides a comprehensive overview of the workshop proceedings, highlighting key insights, learnings, and recommendations gathered from the collective expertise and experiences shared during the sessions. It aims to serve as a valuable resource for professionals seeking to enhance their proficiency in market-based cost estimation and quantity analysis, ultimately contributing to improved project outcomes and organizational success.

Session Overview:

Date	Day	Topics Covered
20/05/2024	Monday	• Notice inviting Tender
21/05/2024	Tuesday	• Latest Rates of Building material of different companies.
22/05/2024	Wednesday	• Measurement of Quantities and determination of cost by B.S.R

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Day: 1

DATE: 20/05/2024, (Monday)

Notice Inviting Tender

Notice Inviting Tender is published by the companies/organizations to get biddings from the contractors for their works. Notice Inviting Tender or NIT means this document and its annexures, any corrigendum, addendum, and any other documents provided along with this NIT or issued during the selection of Bidder, seeking a set of solution(s), services(s), materials and/or any combination of them.

Importance on Notice Inviting Tender,

A notice inviting tender (NIT) plays a crucial role in the procurement process, especially in government or large organization contracts. Here's why it's important:

1.Transparency: NIT ensures transparency in the procurement process by publicly announcing the requirement of goods or services and inviting interested parties to bid. This transparency helps build trust among stakeholders and reduces the likelihood of corruption or favoritism.

2. Fair Competition: By issuing an NIT, organizations open the opportunity for a wide range of suppliers or contractors to compete for the contract. This fosters fair competition, which can lead to better quality goods or services at competitive prices.

3.Legal Compliance: In many jurisdictions, especially in government contracts, issuing an NIT is a legal requirement to ensure compliance with procurement laws and regulations. Failure to follow the prescribed tendering procedures can lead to legal consequences and challenges to the procurement process.

4.Maximizing Value for Money: Through the competitive bidding process facilitated by the NIT, organizations can maximize the value they receive for the resources expended. Suppliers or contractors are motivated to offer their best possible terms, driving down costs while maintaining quality.

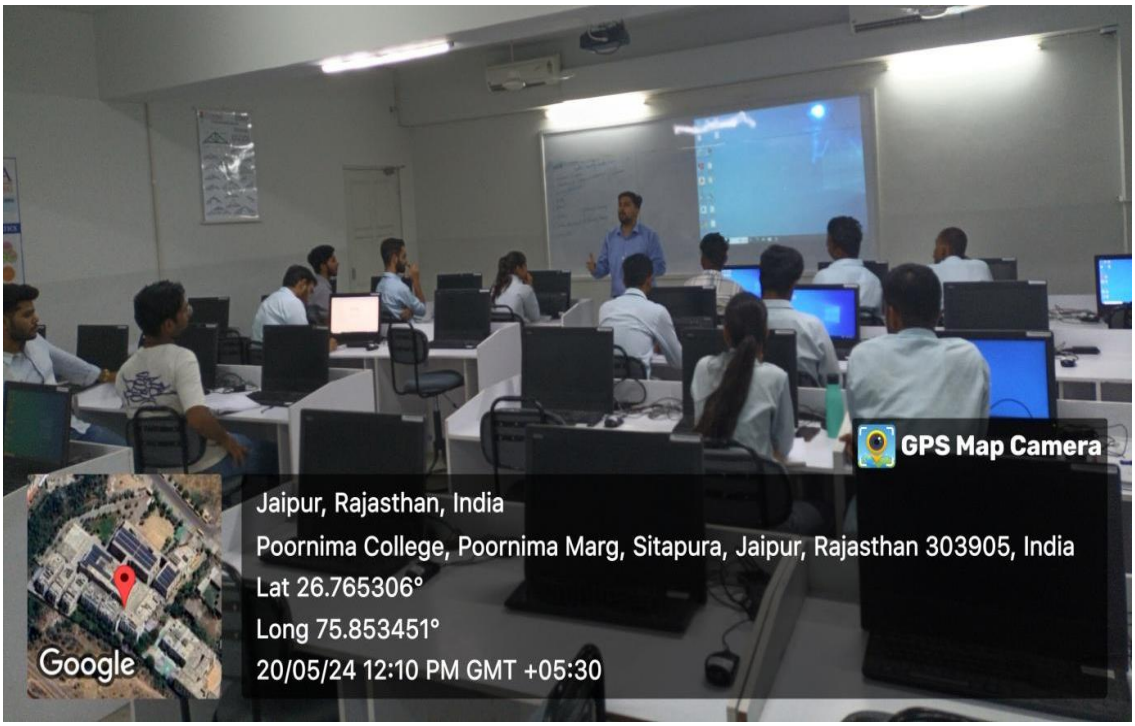
5. Quality Assurance: NITs typically include detailed specifications and requirements for the goods or services being procured. This ensures that bidders understand the expectations and standards they need to meet, promoting quality assurance in the final deliverables.

6. Accountability: Issuing an NIT creates a documented trail of the procurement process, including the criteria used for selecting the winning bid. This accountability helps

stakeholders understand the decision-making process and holds the procuring entity accountable for its choices.

7. Efficiency: While issuing an NIT may seem like an additional step in the procurement process, it ultimately contributes to efficiency by attracting qualified suppliers or contractors who are capable of meeting the organization's needs. This reduces the likelihood of delays or disruptions in project delivery.

PHOTOGRAPHS:



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Day: 2

DATE: 21/05/2024, (Tuesday)

- **Latest Rates of building material of different Companies**

Cement

Cement is the most widely used building material in the construction industry. Cement is a fine powder from limestone, clay, and other materials. Cement acts as a binding agent when mixed with water, sand, and Aggregate to form Concrete. The average price of cement ranges from Rs 320 to RS 450 per bag of 50 kg, and the approximate consumption of cement is 0.4 bags or 20kg per sqft of built-up area.

Cement Company Name	Price Range (min to max) per bag
JK SUPER Cement	₹ 320 to ₹ 358/-Bag
ULTRA-TECH Cement	₹ 360 to ₹ 435/-Bag
AMBUJA Cement	₹ 330 to ₹ 410/-Bag
DALMIA Cement	₹ 345 to ₹ 380/-Bag
JAYPEE Cement	₹ 316 to ₹ 321/-Bag
ACC Cement	₹ 358 to ₹ 378/-Bag
BIRLA A1 Cement	₹ 340 to ₹ 360/-Bag
JK LAKSHMI Cement	₹ 355 to ₹ 410/-Bag
CHETTINAD Cement	₹ 330 to ₹ 400/-Bag
PENNA Cement	₹ 325 to ₹ 360/-Bag
ZUARI Cement	₹ 330 to ₹ 400/-Bag
RAMCO Cement	₹ 360 to ₹ 400/-Bag
JK White Cement	₹ 850 to ₹ 870/-Bag

Type of Cement	Cement Price Range
OPC Cement 43 Grade	₹ 350 to ₹ 390/-
OPC Cement 53 Grade	₹ 410 to ₹ 435/-
PPC Cement Grade	₹ 316 to ₹ 330/-

Cement & Sand	MIN. RATE	Average Cost	Max. Price
Cement	₹ 425	₹ 467.5	₹ 510
M Sand	₹ 3900	₹ 4290	₹ 468
River Sand	₹ 5500	₹ 6050	₹ 6600

Ready Mix Concrete

Ready Mix Concrete is prepared in a factory using a standardized recipe and process. It differs from traditional Concrete, made on-site by mixing cement, sand, aggregates, and water. RMC is used for manufacturing Concrete above M20 grade of Concrete. It is used if the Concrete cannot be made at the site. The average price of RMC ranges between Rs 3000 to Rs 7500.

Grade Of Concrete	Min. RMC Price/cum.	Max. RMC Price/cum.
M15	₹ 3800	₹ 3900
M20	₹ 3900	₹ 4200
M25	₹ 4200	₹ 4400
M30	₹ 4500	₹ 4850
M35	₹ 4800	₹ 5200

Sand & Aggregate

Sand is mixed with Cement and Aggregate in Concrete to provide bulk and strength to the concrete structure. Sand is a fine particle of broken rock that comes in different types. The average price of sand ranges between Rs 1600 to Rs 3300 per tonne, and the approximate consumption of sand in the building is around 1.8 cubic feet per sqft of built-up area.

Sand price per ton and sand price per kg is shown in the table below.

Types of sand	Weight of Bag	Min. Sand Price	Max. Sand Price
Black Sand	35 kg	₹ 70	₹ 80
Brown Sand	40 kg	₹ 90	₹ 95
Quartz Sand	35 kg	₹ 70	₹ 80
Black Sand	1 Brass	₹ 6500	₹ 7000
Brown Sand	1 Brass	₹ 8500	₹ 9000
River Sand	1 Ton	₹ 1500	₹ 3200
Quarry Dust	2 Ton	₹ 750	₹ 850
Concrete M Sand	3 Ton	₹ 850	₹ 920
Plaster M Sand	4 Ton	₹ 1300	₹ 1400
Masonry M Sand	5 Ton	₹ 750	₹ 950
Khadi 1 no.	30 kg	₹ 45	₹ 50
Khadi 2 no.	30 kg	₹ 45	₹ 50

The building material pricelist for coarse Aggregate of 10mm, 12mm, 20mm, and 40mm are shown below. 20mm aggregate price is Rs. 800 per Tonne. You can find the detail of all aggregate prices in the table below.

Aggregate Thickness	Min. Agg. Price per Cuft	Max. Agg. Price per Cuft	Min. Agg. Price per Ton	Max. Agg. Price per Ton
10mm	₹ 68	₹ 78	₹ 625	₹ 800
12mm	₹ 68	₹ 78	₹ 625	₹ 800
20mm	₹ 68	₹ 78	₹ 625	₹ 800
40mm	₹ 68	₹ 78	₹ 625	₹ 800

Steel Bars

Steel is an iron and carbon alloy with small amounts of other elements such as manganese, chromium, and nickel. Steel is widely used in construction due to its strength, durability, and versatility. The most widely used steel product in construction projects is TMT Bars.

TMT bars bond with the Concrete to form the RCC structure. TMT bars come in different grades according to Indian standards. The average price of TMT Bar ranges between Rs 45 to Rs 55 per kg & approximate steel consumption in the building is around 4 kg per sqft of built-up area. Commonly used grades of TMT bar steel are as follows.

- Fe 415
- Fe 415D
- Fe 500
- Fe 500D
- Fe 550
- Fe 550D
- Fe 600

The minimum and maximum prices of TMT steel bars of different steel companies are shown below. Prices are mentioned in terms of kg and ton.

Brand Name	Min Price per Kg	Max Price per Kg	Min Price per Ton	Max Price per Ton
Kamdhenu Steel	₹ 42	₹ 51	₹ 42000	₹ 51000
Vizag Steel	₹ 56	₹ 58	₹ 56000	₹ 58000
SAIL Steel	₹ 53	₹ 58	₹ 53000	₹ 58000
Indus Steel	₹ 55	₹ 58	₹ 55000	₹ 58000
Agni Steel	₹ 58	₹ 65	₹ 58000	₹ 65000
Sunvik Steel	₹ 49	₹ 55	₹ 49000	₹ 55000
Tata Steel	₹ 50	₹ 53	₹ 50000	₹ 53000
Jindal Steel	₹ 42.5	₹ 54	₹ 42500	₹ 54000

Steel prices for 8mm dia, 12mm, 16mm, 20mm, and 25mm diameter bars are below. Some popular steel brands like Tata, Kamdhenu steel, and Birla steel bar prices are shown.

TMT Steel Bars(fe-500)	TataTiscon	Kamdhenu	Birla
8 mm	₹ 103,000	₹ 75,700	₹ 95,000
12 mm	₹ 101,800	₹ 74,200	₹ 93,800
16 mm	₹ 101,800	₹ 74,200	₹ 93,800
20 mm	₹ 101,800	₹ 74,200	₹ 93,800
25 mm	₹ 101,800	₹ 74,200	₹ 93,800

Bricks & Blocks

Mostly used types of bricks are as follows.

- First class bricks
- Second class bricks
- Third class bricks
- Fourth class bricks

The rates of bricks for different sizes and materials like red bricks, fly ash bricks, cement blocks, and AAC blocks are shown below:

Type of Bricks	Min Price	Avg. Price	Max Price
Red Bricks 4″	₹ 5.5	₹ 5.75	₹ 6
Red Bricks 6″	₹ 7	₹ 7.5	₹ 8
Clay Bricks	₹ 11	₹ 12.1	₹ 13.2
AAC Blocks	₹ 39	₹ 42.9	₹ 46.8
Cement Blocks	₹ 27	₹ 29.7	₹ 32.4
Fly Ash Bricks 4″	₹ 6.5	₹ 7	₹ 7.5
Fly Ash Bricks 6″	₹ 7.5	₹ 7.75	₹ 8

The price of AAC Blocks for different sizes are shown below

AAC Block Size	Min Block Price	Max Block Price
3 inch	₹ 40	₹ 45
4 inch	₹ 55	₹ 65
6 inch	₹ 75	₹ 85
8 inch	₹ 95	₹ 105
9 inch	₹ 105	₹ 110
600x200x 75mm	₹ 34	₹ 37
600x200x100mm	₹ 42	₹ 45
600x200x125mm	₹ 44	₹ 47
600x200x150mm	₹ 52	₹ 55
600x200x175mm	₹ 72	₹ 75
600x200x200mm	₹ 77	₹ 80
600x200x230mm	₹ 94	₹ 97
600x200x250mm	₹ 106	₹ 110
600x200x300mm	₹ 125	₹ 130
Solid Concrete Blocks	₹ 30	₹ 35

Tiles

Tiles are primarily used for flooring, wall coverings, countertops, and shower enclosures. Tiles can be made from various materials, such as ceramics, natural stones, and other synthetic materials. Tiles are used because of their durability and easy-to-maintain nature.

Prices of tiles like wall, floor, ceramic, vitrified, cement, and other tiles are shown below.

Types of Tiles	Unit	Min Tile Price	Max Tile Price
Dado wall Tiles (200 x 300mm)	Pcs	₹ 18	₹ 20
Floor Tiles (300 x 300mm)	Pcs	₹ 20	₹ 35
Floor Tiles (600 x 600mm)	Pcs	₹ 36	₹ 40
Vitrified Tiles (600 x 600mm)	Sqft	₹ 60	₹ 80
Ceramic Tiles	Sqft	₹ 25	₹ 80
Laminated wooden floor	Sqft	₹ 80	₹ 140
Cement Tiles (300 x 300mm)	Sqft	₹ 20	₹ 24
Paver Block (60mm thick)	Sqft	₹ 30	₹ 36

Marbles and granite are quite costly items. Prices of different marble and granites are shown below.

Marble Type	Marble Min Price (Sqft)	Marble Max Price (Sqft)
Amba White Marble	₹ 160	₹ 185
Green Marble	₹ 75	₹ 95
Tandoor Marble	₹ 35	₹ 40
Kadapa Marble	₹ 40	₹ 48
Italian Marble	₹ 290	₹ 560
Shahabad Marble	₹ 20	₹ 25
Kota Stone	₹ 45	₹ 49
Black Granite	₹ 190	₹ 350

Electrical

Electrical appliances such as wires, fitment, switches, sockets, MCBs, fans, and lights are essential for any modern structure. Electrical works cover 3 to 5% of the total material cost. Prices of different essential electrical items are shown below.

Electrical Items	Min Price	Avg. Price	Max Price
Conduit Pipes	₹ 35	₹ 38.5	₹ 49
Metal Boxes 6 Switches	₹ 54	₹ 59.4	₹ 75.6
Cables and Wires (1 To 6 SQ MM – 90 Meters)	₹ 1000	₹ 1100	₹ 1400
Cables and Wires (1 To 6 SQ MM – 90 Meters) High Range	₹ 5300	₹ 5830	₹ 7420
Switches Lower Range	₹ 22	₹ 24.2	₹ 30.8
Switches High Range	₹ 155	₹ 170.5	₹ 217
Sockets	₹ 35	₹ 38.5	₹ 49
Dimmers	₹ 235	₹ 258.5	₹ 329
MCB	₹ 185	₹ 203.5	₹ 259
Ceiling Fan – Minimum	₹ 1700	₹ 2400	₹ 3200
Exhaust Fan – Minimum	₹ 700	₹ 900	₹ 1200
4 Feet Tube Light	₹ 380	₹ 400	₹ 420

Plumbing

The most common material used in plumbing works is pipes. Plumbing pipes and fittings come in different materials like plastic, GI, and Brass. The following table shows the prices of some of the most popular plumbing pipe types.

Plumbing Items	Min Price	Avg. Price	Max Price
Pipes CPVC	₹ 345	₹ 379.5	₹ 431.25
Pipes UPVC	₹ 250	₹ 275	₹ 312.5
Pipes PVC	₹ 180	₹ 198	₹ 225

Paint

Paint is used for both its functional & Aesthetic benefits. Paint is used to provide a protective layer to the surfaces of a structure. Paint protects the structure from weathering, moisture, and other environmental factors. Paint also protects the surface from damage done by rust and corrosion. The average paint consumption for interior works is 0.14 liters per sq. ft. and 0.4 liters per sqft for exterior paints. **The price of different types of paints is shown below.**

Type of Paint	Unit	Min Price	Max Price
Paint	ltr	₹ 200	₹ 435
Wall Putty	Kg	₹ 20	₹ 30
White Cement	25kg bag	₹ 400	₹ 500
POP	25kg bag	₹ 200	₹ 250
Lime Powder	Kg	₹ 10	₹ 12

Glass

Glasses are used for structural use as well as for decorative purposes. Glasses are mainly used for window panels and doors. Glass comes in different types and shapes. The prices of different types of Glasses are shown below in the table

Type of Glass	Unit	Min Price	Max Price
Window Glass	sqft	₹ 32	₹ 50
5mm Plane Glass	sqft	₹ 60	₹ 85
6mm Plane Glass	sqft	₹ 85	₹ 95
8mm Plane Glass	sqft	₹ 111	₹ 120
5mm Paint Glass	sqft	₹ 50	₹ 60
10mm toughened Glass	sqft	₹ 105	₹ 120
Laminated toughened Glass	sqft	₹ 200	₹ 700
Frosted Toughened Glass	sqft	₹ 200	₹ 800
Tinted toughened Glass	sqft	₹ 150	₹ 700

PHOTOGRAPHS:

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Day: 3

DATE: 22/05/2024, (Wednesday)

- **Measurement of quantities and determination of cost by B.S.R**

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PHOTOGRAPHS:

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CONCLUSION:

In wrapping up the Workshop on Market-Based Cost Estimation & Quantity Analysis, participants gained new skills to estimate project costs and quantities more accurately. We learned how to use market data and industry benchmarks to improve our cost predictions. By using tools that analyze real-time market information, we can make better forecasts and avoid going over budget or missing deadlines.

The workshop was interactive, with discussions and case studies helping us understand how to apply these techniques in real-life situations. We discovered ways to allocate resources more efficiently and find opportunities to save money without sacrificing quality.

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A key takeaway was the importance of staying flexible and adapting to changes in the market. By doing so, we can adjust our plans as needed and ensure the success of our projects.

Overall, the workshop was a valuable opportunity to learn from each other and gain practical skills that we can use in our work. We left feeling more confident in our ability to manage construction projects effectively and make informed decisions about costs and quantities.

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POORNIMA COLLEGE OF ENGINEERING, JAIPUR
DEPARTMENT OF CIVIL ENGINEERING
ATTENDANCE STATUS

5/21/2024

S.N	Registration No.	Student Name	11.50 to 12.50	Signature
1	PCE21CE001	AASHISH AMAT		
2	PCE21CE002	AASHISH CHAUHAN		
3	PCE21CE003	ABHISHEK		
4	PCE21CE004	ABHISHEK JINDAL		
5	PCE21CE005	ADITYA MEENA	AB	AB
6	PCE21CE006	AKASH KUMAR DHAKA		
7	PCE21CE007	ANKIT KUMAR MEENA		
8	PCE21CE047	ASTHA DADHICH		
9	PCE21CE501	ATISH CHOUHAN		
10	PCE21CE008	BAJRANG .	AB	AB
11	PCE21CE009	DEVANSH TYAGI		
12	PCE21CE010	DEVANSHI MEENA		
13	PCE21CE011	DEVANSHU HARSOLIA	AB	AB
14	PCE21CE012	FAEEZ .		
15	PCE21CE013	GARVIT CHHAWAL	AB	AB
16	PCE21CE014	GAURISH GAUD	AB	AB
17	PCE21CE015	HIMANSHU MEENA	AB	AB
18	PCE21CE016	JITENDRA SHARMA .	AB	AB
19	PCE21CE017	KESHAV KUMAR	Keshav	Keshav
20	PCE21CE018	MAHENDRA GOUR .	AB	AB
21	PCE21CE019	MANISH PRAJAPAT		
22	PCE21CE020	MAYANK JHAJHARIA	AB	AB
23	PCE21CE021	MD TALHA .	AB	AB
24	PCE21CE022	MOHD KAIF LANGA	AB	AB

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25	[illegible]	[illegible]	Narcen	Narcen
26	[illegible]	[illegible]	Nahar	Nahar
27	[illegible]	[illegible]	AB	AB
28	PCE21CE026	PRATHAM CHAUHAN	AB	AB
29	PCE22CE503	PRIYANKA KUMARI	Priyanka	Priyanka Kumari
30	PCE21CE027	RADHEYSHYAM DEWAL	AB	AB
31	PCE21CE028	RACHAV KUMAR SHARMA		
32	PCE21CE029	RAHUL GURJAR	AB	AB
33	PCE21CE030	RAHUL KUMAR MEENA	AB	AB
34	PCE21CE031	RAHUL PRAJAPAT	AB	AB
35	PCE22CE504	RAHUL SINGH	Rahul	Rahul
36	PCE21CE032	RAJKUMAR MEENA	AB	AB
37	PCE21CE033	RAMINDRA SINGH TANWAR		
38	PCE21CE034	RAVI KUMAR SHARMA	AB	AB
39	PCE21CE035	RAVI MEENA	AB	AB
40	PCE21CE037	ROHIT CHOUDHARY	AB	AB
41	PCE21CE038	SHILPA BANSAL		
42	PCE21CE039	SHIVANI VERMA	Shivani	Shivani
43	PCE21CE040	SHREYA SHARMA		Sharma
44	PCE21CE041	SUDHIR CHOUDHARY	AB	AB
45	PCE21CE042	SUJATAA KUMARI	Sujata	Sujata
46	PCE21CE043	TANMAY BARGOT	Tanmay	Tanmay
47	PCE21CE044	TEJAS RATAWAL.	Tejas	Tejas
48	PCE21CE045	TILAK RAJ JANGINIA	AB	AB
49	PCE21CE046	VIJAY KUMAR		Vijay
50	PCE22CE701	ABID HUSSAIN	AB	AB
51	PCE22CE703	KASHIF SHAKEEL	Kashif	Kashif
52	PCE22CE704	MANMOHAN SINGH	AB	AB
53	PCE22CE800	NEETESH MEENA	Neetesh	Neetesh
54	PCE22CE705	WASIM ALI		J.K

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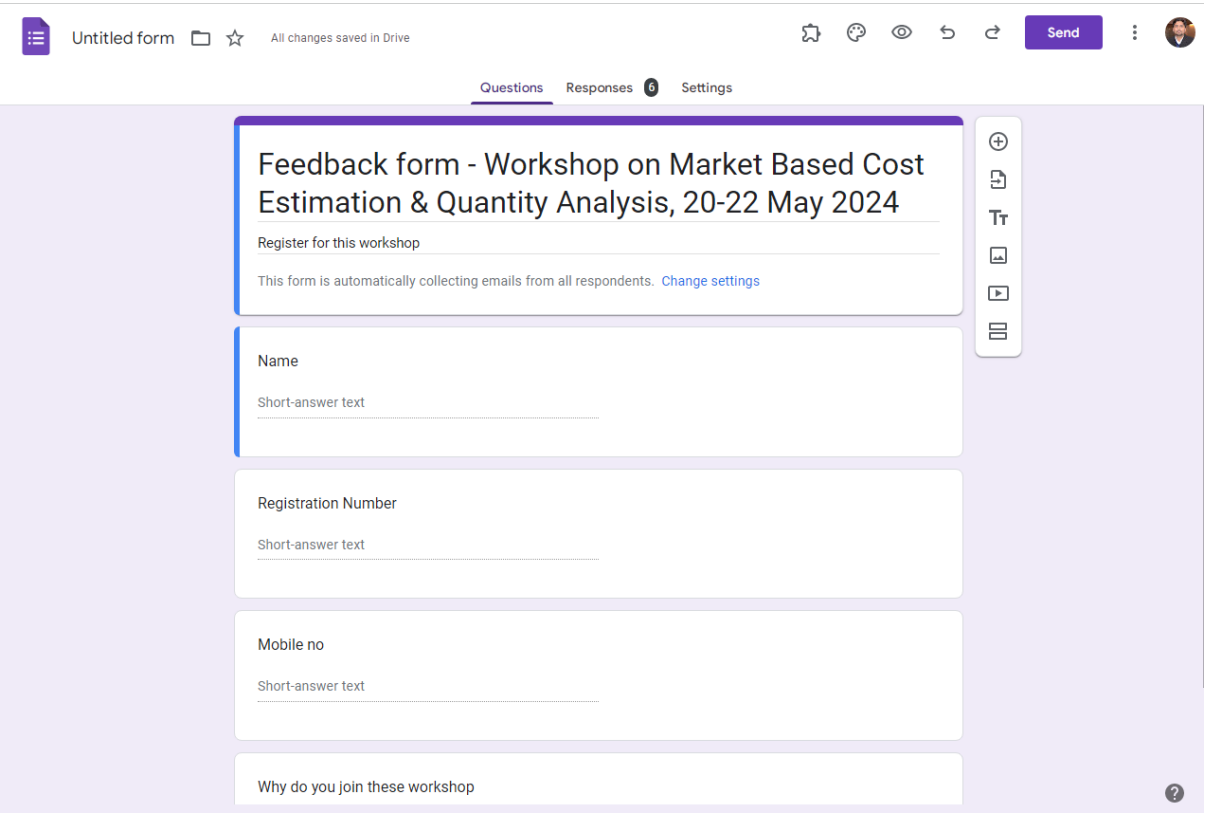
Feedback Form



Sample Certificate

Certificate of Participation

Workshop on

"Market Based Cost Estimation & Quantity Analysis"

Organized by

Department of Civil &
Poornima College of Engineering, Jaipur, Rajasthan

Participation Certificate

Certified ID: <<22>>

This to certify that Mr. Nitin Kumar of Poornima College of Engineering Jaipur has participated in the session on "Market Based Cost Estimation & Quantity Analysis" held on 20-22 May 2024 at Poornima College of Engineering Jaipur Rajasthan.

HEAD OF DEPARTMENT

Coordinator

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POORNIMA
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CELEBRATING 25 YEARS OF EXCELLENCE

Report - Workshop on ETABS Training Program

NAME OF ACTIVITY: -Workshop on **ETABS Training Program**

DATE & DURATION: July 2-6, 2024

ORGANIZED BY: Department of Civil Engineering

RESOURCE PERSON: Mr. Rituraj Singh Rathore

TRAINER NAME -Mr. Rushikesh

OBJECTIVE:

The objective of a workshop is toversatile students with practical skills by using ETABS for complex structural analysis and design, preparing them for competitive real-worldchallenges.

COURSE DESCRIPTION:

ETABS is widely used software application for structural analysis and design. Developed by Computers and Structures Inc. (CSI) in the year 1993, it is an integrated structural engineering tool that allows engineers and architect to analyse and design various types of structures, especially buildings. The name "ETABS" stands for Extended Three-Dimensional Analysis of Building System. ETABS help engineers and architects design safe and efficient structures that meet the requirements of their projects, making it a valuable tool for anyone in the construction industry.

COURSE OUTCOME:

S.No.	CourseOutcomes
CO1	Tounderstandthebasiccommandsof ETABS.
CO2	ToApplythecomplex conditions inETABSsoftware.
CO3	ToAnalyze thedifferentstructuralcomponentsbyusingETABSsoftware

MAPPING COURSE OUTCOMES WITH PO AND PSO

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-
CO2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-

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CIRCULAR:

Regarding Workshop on ETABS Training Program

Rituraj Singh Rathore <rituraj.rathore@poornima.org> Sat, Jun 29, 2:11PM

to PCE-, HOD

Dear students,

I hope this email finds you well. As we all know our department is organizing a workshop on ETABS for the third-year students scheduled from 02/07/2024 to 06/07/2024. As the workshop is a crucial part of the curriculum, we want to ensure a smooth and productive experience for all the participants. It is compulsory to attend the workshop as it is directly related to your placement and the overall development of your technical skills.

I would like to request your assistance in the following activities;

1. Ensuring proper uniform & decorum during the session
2. Mandatory regular attendance
3. Time keeping
4. Facilitating Discussions
5. Q&A Session
6. Feedback google form

Your involvement would greatly contribute to the overall success of the workshop and provide valuable insights for your future.

Here are some key details about the workshop:
Title: Workshop on ETABS
Date: 02/07/2024 to 06/07/2024
Time: 8 A.M. to 3 P.M.
Venue- 1001 A
Coordinator- Rituraj Singh Rathore

PFA the brochure

--

Rituraj Singh Rathore
Assistant Professor (Civil Department)
Poornima College of Engineering
Lifetime Member Indian Concrete Institute (L.M. No-14648)

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BROUCHURE:

INTRODUCTION:

ETABS are Finite-Element-Analysis (FEA) software, which means they allow our engineers to model complex buildings as simplified 2D and 3D elements – beams, columns, floors, and walls – which resist dozens of potential loading scenarios and can consist of wood, steel, masonry, or concrete systems. It integrates various aspects of building design into a unified model, allowing for efficient collaboration, detailed documentation, and high-quality outcomes.

Why Learn ETABS?

Industry Standard: ETABS is universally adopted across the design industry, making it a valuable skill for professionals.

Enhanced Speed: ETabs enables a user to analyse a building quickly.

Improved Efficiency: Automate repetitive tasks, streamline workflows, and reduce errors with ETABSdesign tools.

Career Advancement: Proficiency in ETABS can open doors to new job opportunities and career growth in the competitive field.

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SYLLABUS:

CIVIL ENGINEERING SOFTWARE ACADEMY (CESA)

Syllabus for ETABS INTERMEDIATE LEVEL TRAINING

Duration - 30 Hrs

Sr. No.	Content	Duration
1.	**1. Basic Overview About The Software** This will include the basics of structural designing. Small introduction to the CSI Berkeley Products. Overall features of the software's etc. 2. **GUI and its meaning.** This includes introduction to the graphical user interface of the software. Basic explanations of the storey wise effects, extruded views. Introduction to the various icons and their uses. 3. Simple commands for model creation, editing etc. Explanation of the grid systems and storey systems.	2 Hrs
2.	• **Modeling** I) Modeling a) Material Properties b) Section Properties ▪ Frame Sections ▪ Slab Sections ▪ Deck Sections ▪ Wall Sections c) Draw Grids d) Draw Joint Object e) Draw Beam/ Column / Brace Object f) Object Selection g) Draw Floor/ Wall Object h) Draw Wall and floor openings i) Draw Wall Stack	3 Hrs

	II) Modeling a) Replicate b) Extrude ▪ Joints to Frames ▪ Frames to shells c) Merge Joints d) Align Joints/ Frames / Edges e) Move Joints/ Frames/ Edges f) Edit Frames ▪ Divide Frames ▪ Joint Frames g) Reverse Frame Connectivity ▪ Edit Shells h) Divide Shells i) Merge Shells j) Expand/ Shrink Shells k) Split Shells Edge l) Remove joints from Shells m) Chamber Slab Corners n) Modify /Show Wall curve types	3 Hrs
3.	**Practical Design Approach** **Modeling of 3 to 4 basic plans** • Difference between architectural plan and beam layout. • Explanation of orientation of columns • Explanation for one way slabs • Introduction to various types of slab elements	3 Hrs
4.	**Support conditions loadings** Understanding of the support condition available in ETABS.	2 Hrs
5.	**Loading & Analysis - Loading Patterns** a) Dead Load Floor load Staircase loading Wall loading	3 Hrs

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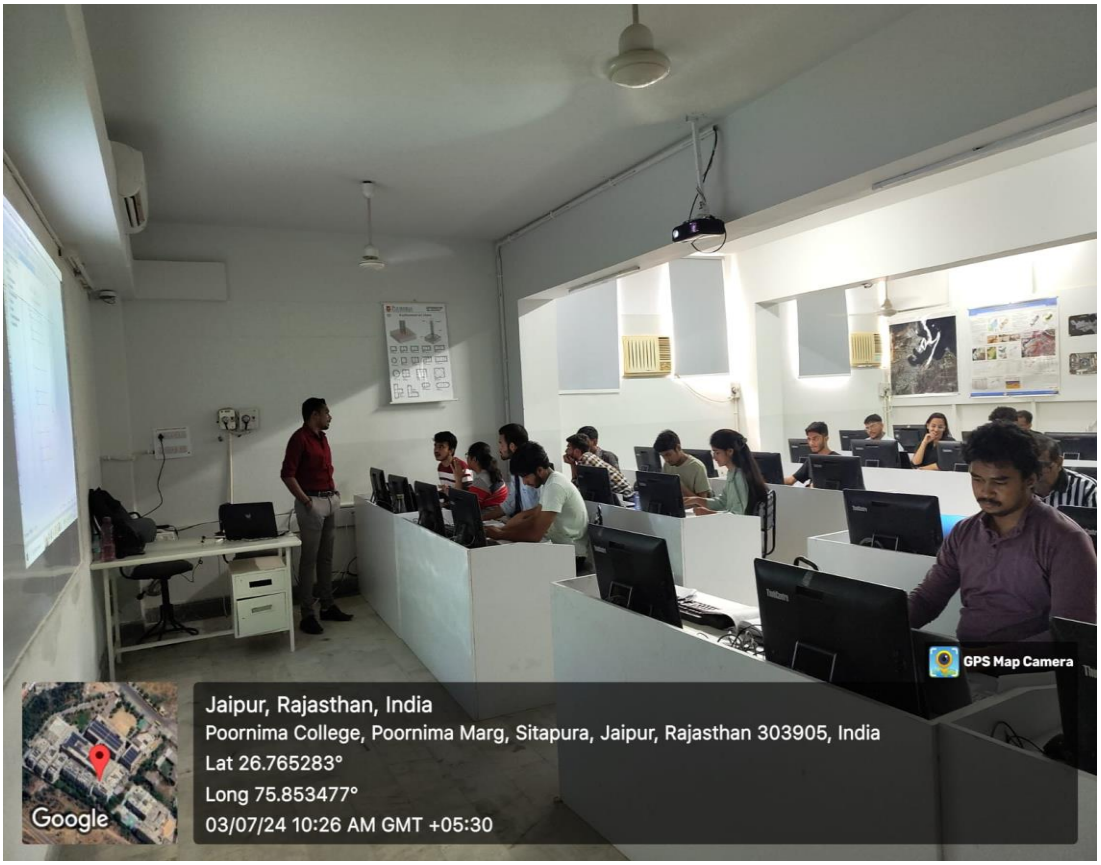
	Lift & Water Tank Load b) Live Load Shell Uniform Load Sets Shell Loads Load Case Set Load Case to Run Result Display ❖ Explanation of local axis Systems	
6.	**EQ Loading** Seismic Equivalent method Response Spectrum method	3 Hrs
7.	**Wind Load** a) Explanation & importance of diagram b) Wind loads by • Extents of diagram By none type area object	2 Hrs
8.	**Analyze and interpretation of results & design of R.C.C members** • Explanation of the post processor • Explanation of offsets & releases • Design of the R.C.C. members	3 Hrs
9.	**Formulate and complex column sections using section designer & varying section.** Some special effects like section designer and varying sections only available in ETABS and its successful intrusion the framed systems.	3 Hrs
10.	**Shear Wall modeling and analysis and design a building with Shear wall, its Modeling Analysis and Design.** • Types of shear walls • Shear Walls with & without openings • Explanation **of piers and spandrels**	3 Hrs

PHOTOGRAPHS:



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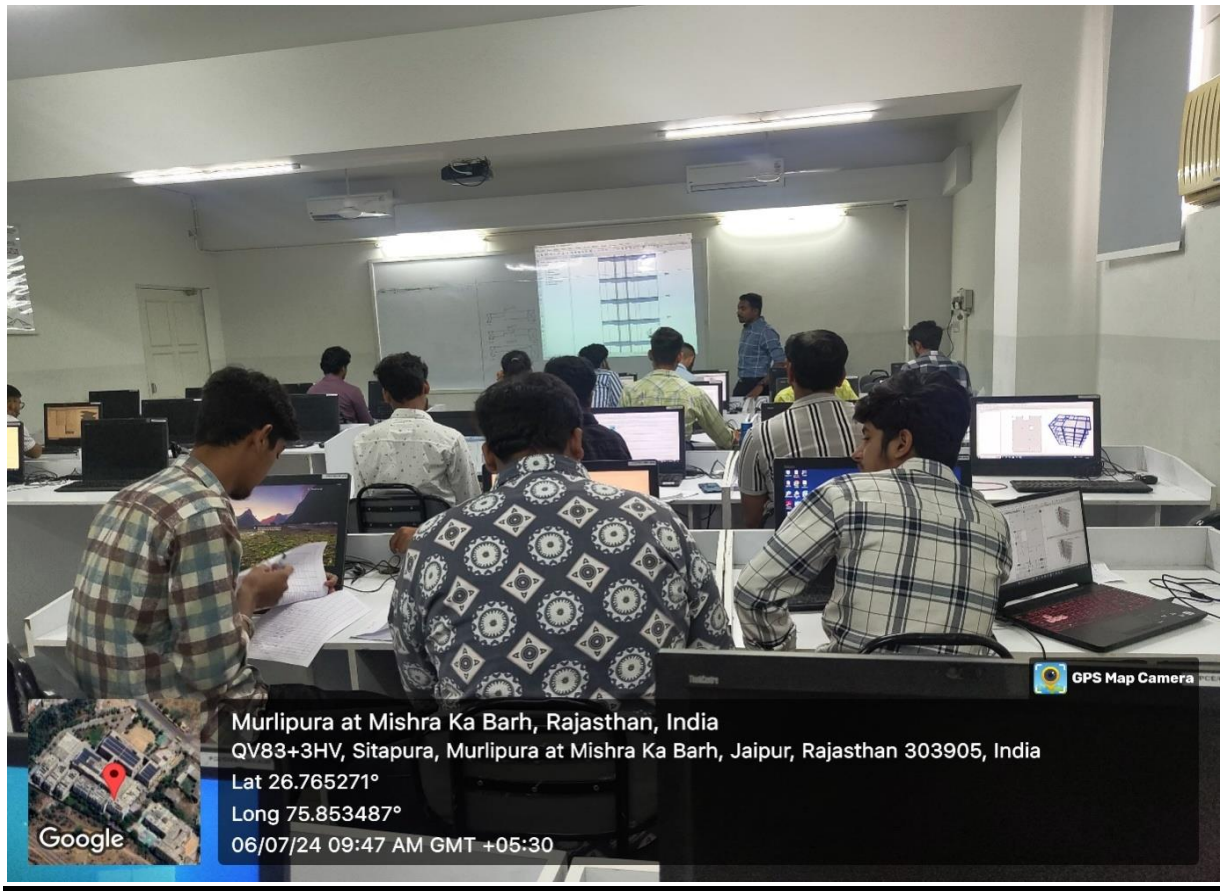

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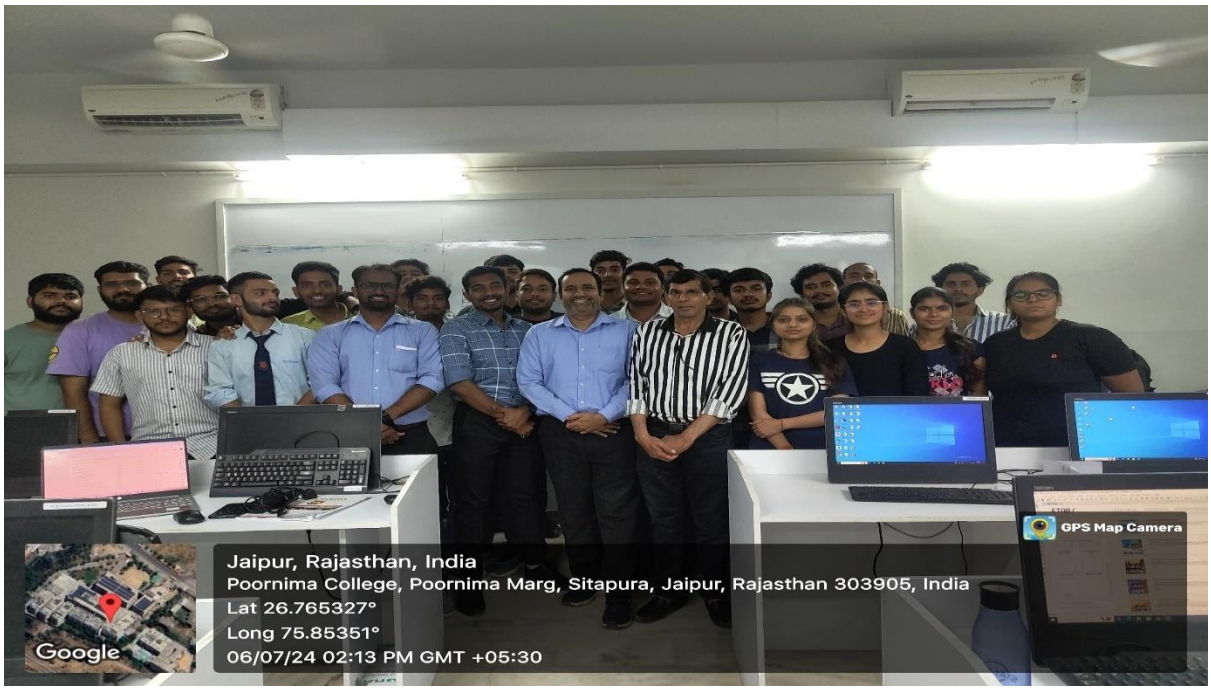
CONCLUSION:

The ETABS workshop proved to be a valuable platform for participants to enhance their skills and knowledge in complex structural analysis and design. The combination of theoretical sessions, hands on training, and interactive discussions contributed to a comprehensive learning experience. The workshop successfully met its objectives and left participants better equipped to apply ETABS software in their professional practice.

Overall, the ETABS workshop was a commendable initiative that contributed to the continuous learning and skill development of structural engineers and professionals in the field.



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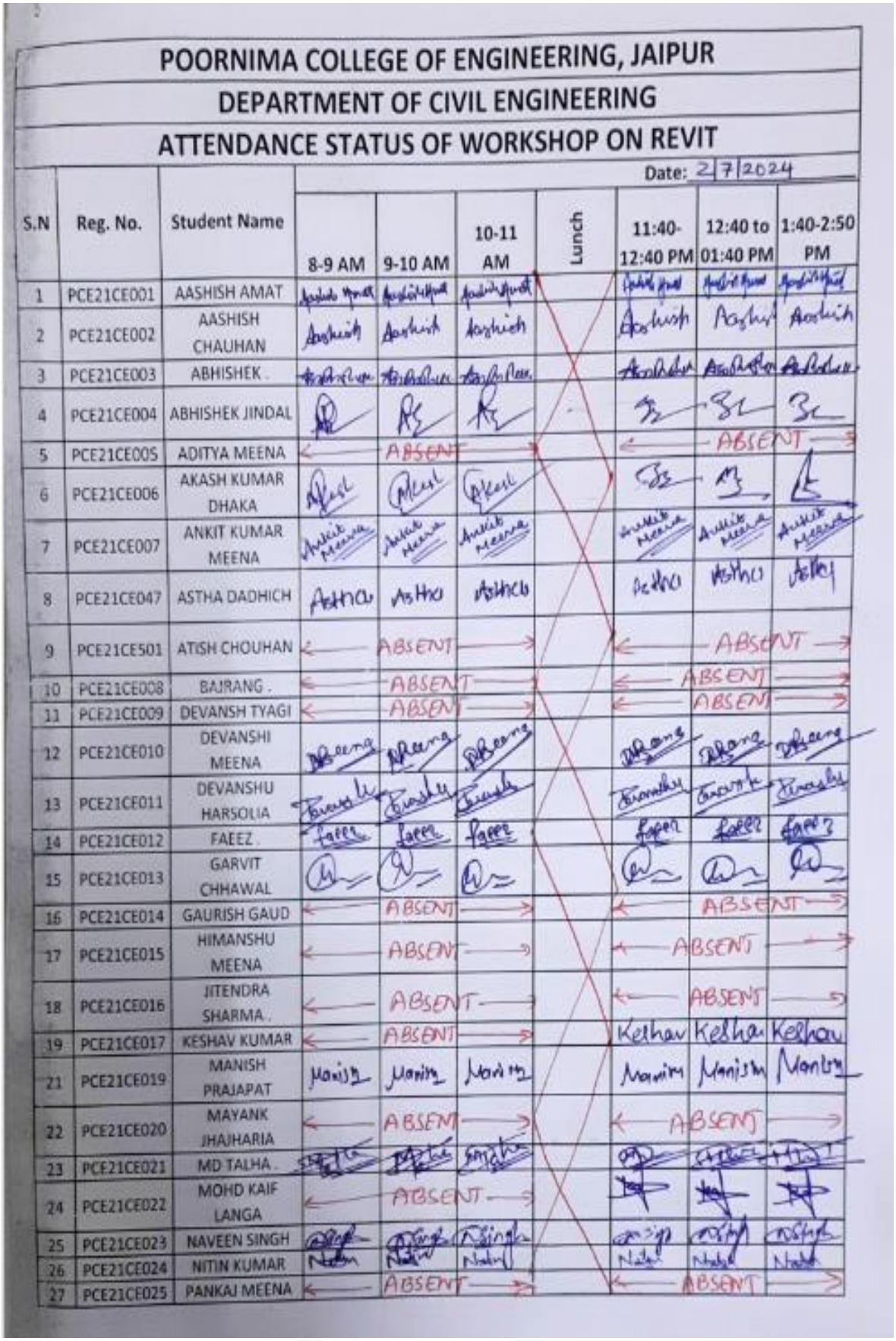
Sitapura, JAIPUR

ATTENDANCE SHEET:



POORNIMA COLLEGE OF ENGINEERING, JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 2/7/2024

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE21CE001	AASHISH AMAT							
2	PCE21CE002	AASHISH CHAUHAN							
3	PCE21CE003	ABHISHEK .							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	ABSENT				ABSENT		
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA							
8	PCE21CE047	ASTHA DADHICH							
9	PCE21CE501	ATISH CHOUHAN	ABSENT				ABSENT		
10	PCE21CE008	BAJRANG .	ABSENT				ABSENT		
11	PCE21CE009	DEVANSH TYAGI	ABSENT				ABSENT		
12	PCE21CE010	DEVANSHI MEENA							
13	PCE21CE011	DEVANSHU HARSOLIA							
14	PCE21CE012	FAEEZ .							
15	PCE21CE013	GARVIT CHHAWAL							
16	PCE21CE014	GAURISH GAUD	ABSENT				ABSENT		
17	PCE21CE015	HIMANSHU MEENA	ABSENT				ABSENT		
18	PCE21CE016	JITENDRA SHARMA .	ABSENT				ABSENT		
19	PCE21CE017	KESHAV KUMAR	ABSENT				Kelhav	Kelhav	Kelhav
21	PCE21CE019	MANISH PRAJAPAT							
22	PCE21CE020	MAYANK JHAJHARIA	ABSENT				ABSENT		
23	PCE21CE021	MD TALHA .							
24	PCE21CE022	MOHD KAIF LANGA	ABSENT						
25	PCE21CE023	NAVEEN SINGH							
26	PCE21CE024	NITIN KUMAR							
27	PCE21CE025	PANKAJ MEENA	ABSENT				ABSENT		

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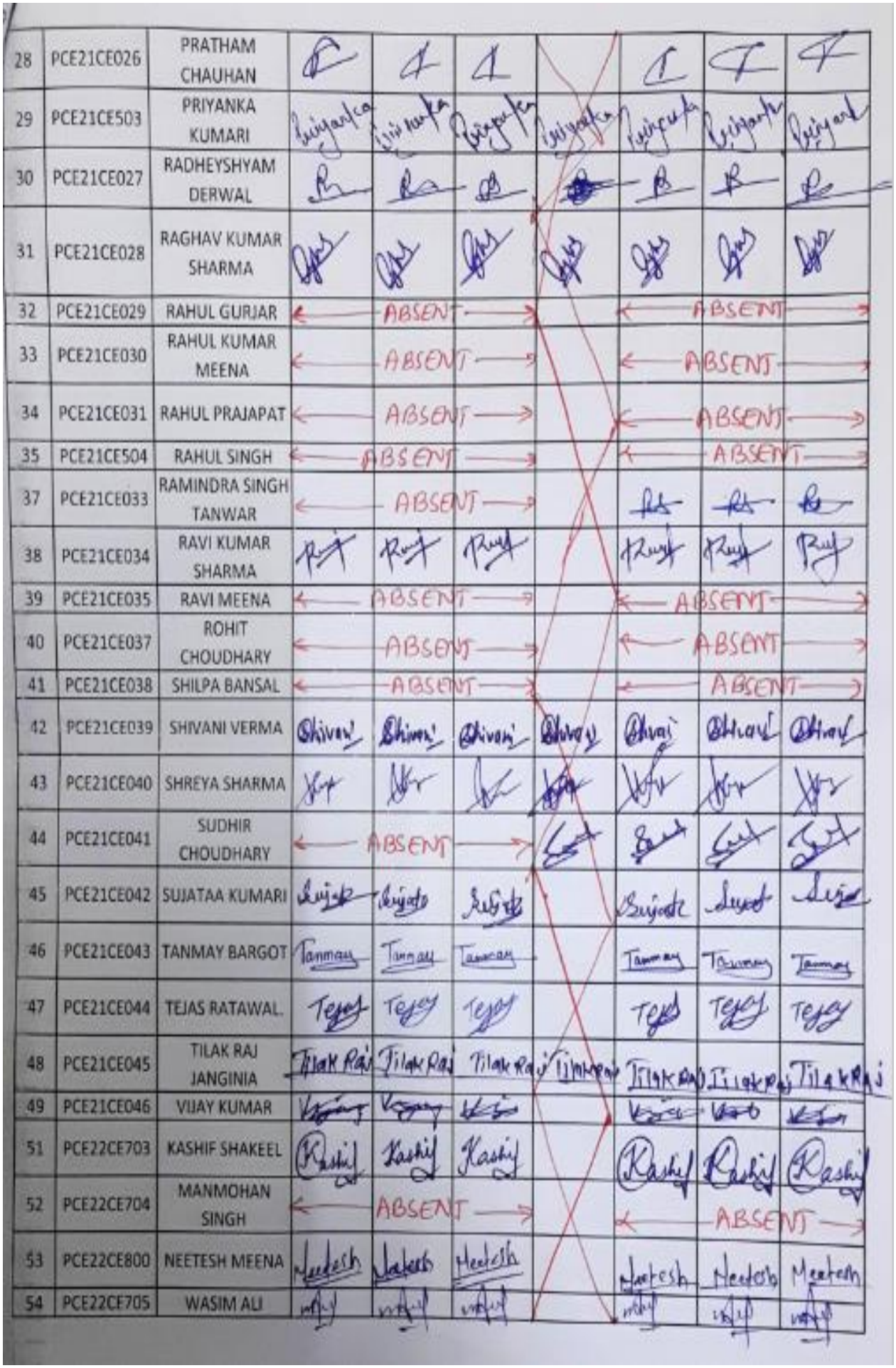

28	PCE21CE026	PRATHAM CHAUHAN							
29	PCE21CE503	PRIYANKA KUMARI							
30	PCE21CE027	RADHEYSHYAM DERWAL							
31	PCE21CE028	RAGHAV KUMAR SHARMA							
32	PCE21CE029	RAHUL GURJAR	ABSENT				ABSENT		
33	PCE21CE030	RAHUL KUMAR MEENA	ABSENT				ABSENT		
34	PCE21CE031	RAHUL PRAJAPAT	ABSENT				ABSENT		
35	PCE21CE504	RAHUL SINGH	ABSENT				ABSENT		
37	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT						
38	PCE21CE034	RAVI KUMAR SHARMA							
39	PCE21CE035	RAVI MEENA	ABSENT				ABSENT		
40	PCE21CE037	ROHIT CHOUDHARY	ABSENT				ABSENT		
41	PCE21CE038	SHILPA BANSAL	ABSENT				ABSENT		
42	PCE21CE039	SHIVANI VERMA							
43	PCE21CE040	SHREYA SHARMA							
44	PCE21CE041	SUDHIR CHOUDHARY	ABSENT						
45	PCE21CE042	SUJATAA KUMARI							
46	PCE21CE043	TANMAY BARGOT							
47	PCE21CE044	TEJAS RATAWAL							
48	PCE21CE045	TILAK RAJ JANGINIA							
49	PCE21CE046	VIJAY KUMAR							
51	PCE22CE703	KASHIF SHAKEEL							
52	PCE22CE704	MANMOHAN SINGH	ABSENT				ABSENT		
53	PCE22CE800	NEETESH MEENA							
54	PCE22CE705	WASIM ALI							

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POORNIMA COLLEGE OF ENGINEERING, JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON ETABS

Date: 3/7/2024

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE21CE001	AASHISH AMAT	Aashish Amat	Aashish Amat	Aashish Amat		Aashish Amat	Aashish Amat	Aashish Amat
2	PCE21CE002	AASHISH CHAUHAN	ABSENT				ABSENT		
3	PCE21CE003	ABHISHEK .	Abhishek	Abhishek	Abhishek		Abhishek	Abhishek	Abhishek .
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	ABSENT				ABSENT		
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA	Ankit Meena	Ankit Meena	Ankit Meena		Ankit Meena	Ankit Meena	Ankit Meena
8	PCE21CE047	ASTHA DADHICH	ABSENT						
9	PCE21CE501	ATISH CHOUHAN	ABSENT						
10	PCE21CE008	BAJRANG .	ABSENT						
11	PCE21CE009	DEVANSH TYAGI	ABSENT				ABSENT		
12	PCE21CE010	DEVANSHI MEENA	Dheera	Dheera	Dheera		Dheera	Dheera	Dheera
13	PCE21CE011	DEVANSHU HARSOLIA	ABSENT						
14	PCE21CE012	FAEEZ .	Faeez	Faeez	Faeez		ABSENT		
15	PCE21CE013	GARVIT CHHAWAL	ABSENT						
16	PCE21CE014	GAURISH GAUD	Gaurish	Gaurish	Gaurish		Gaurish	Gaurish	
17	PCE21CE015	HIMANSHU MEENA	ABSENT						
18	PCE21CE016	JITENDRA SHARMA .	ABSENT						
19	PCE21CE017	KESHAV KUMAR	Keshav	Keshav	Keshav		ABSENT		
20	PCE21CE019	MANISH PRAJAPAT	Manish	Manish	Manish		Manish	Manish	ABSENT
21	PCE21CE020	MAYANK JHAJHARIA	ABSENT						
22	PCE21CE021	MD TALHA .	ABSENT				ABSENT		
23	PCE21CE022	MOHD KAIF LANGA	ABSENT				ABSENT		

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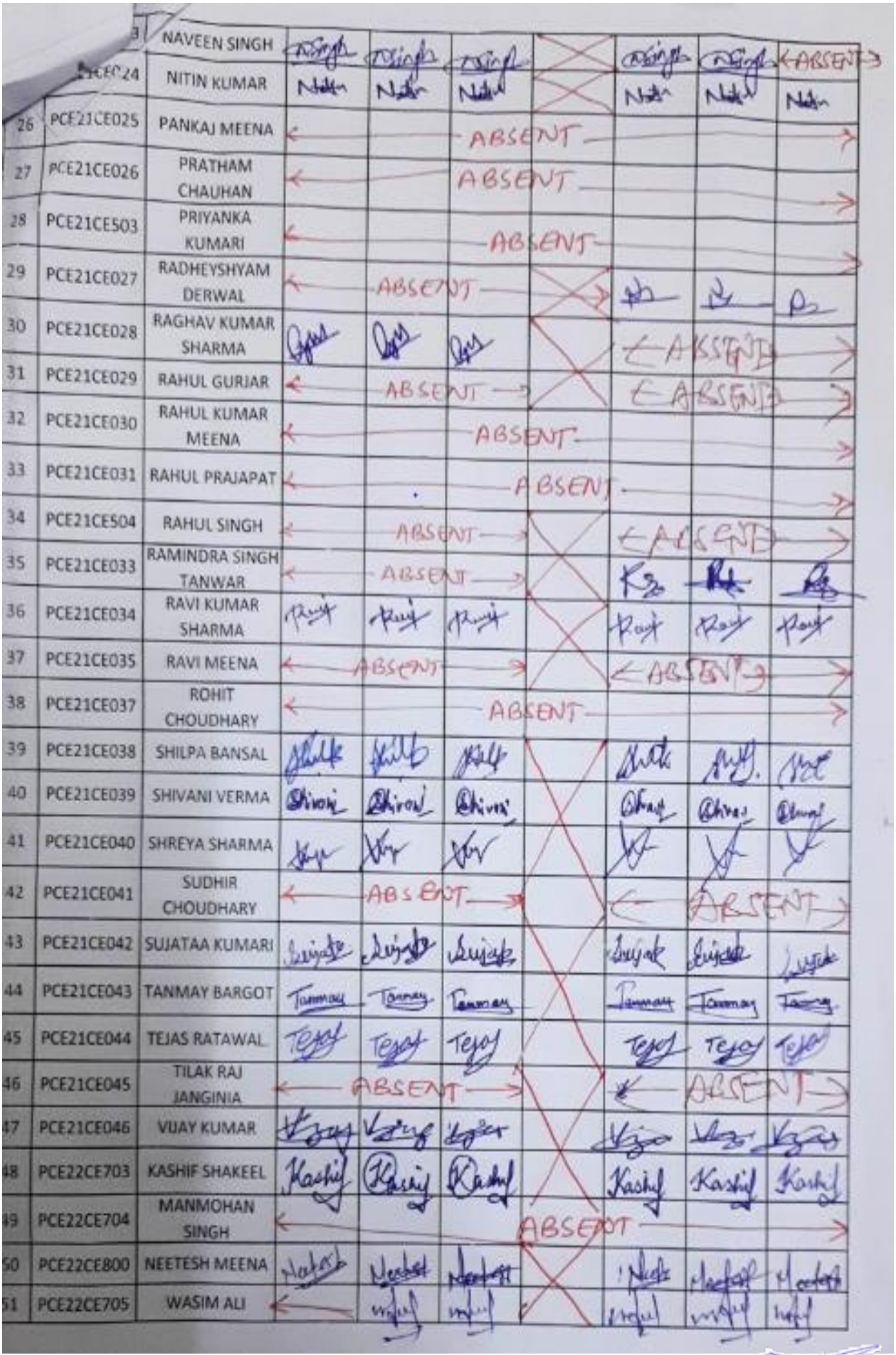

		NAVEEN SINGH								ABSENT
	PCE21CE24	NITIN KUMAR								
26	PCE21CE025	PANKAJ MEENA	ABSENT							
27	PCE21CE026	PRATHAM CHAUHAN	ABSENT							
28	PCE21CE503	PRIYANKA KUMARI	ABSENT							
29	PCE21CE027	RADHEYSHYAM DERWAL	ABSENT							
30	PCE21CE028	RAGHAV KUMAR SHARMA					ABSENT			
31	PCE21CE029	RAHUL GURJAR	ABSENT				ABSENT			
32	PCE21CE030	RAHUL KUMAR MEENA	ABSENT							
33	PCE21CE031	RAHUL PRAJAPAT	ABSENT							
34	PCE21CE504	RAHUL SINGH	ABSENT				ABSENT			
35	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT							
36	PCE21CE034	RAVI KUMAR SHARMA								
37	PCE21CE035	RAVI MEENA	ABSENT				ABSENT			
38	PCE21CE037	ROHIT CHOUDHARY	ABSENT							
39	PCE21CE038	SHILPA BANSAL								
40	PCE21CE039	SHIVANI VERMA								
41	PCE21CE040	SHREYA SHARMA								
42	PCE21CE041	SUDHIR CHOUDHARY	ABSENT				ABSENT			
43	PCE21CE042	SUJATAA KUMARI								
44	PCE21CE043	TANMAY BARGOT								
45	PCE21CE044	TEJAS RATAWAL								
46	PCE21CE045	TILAK RAJ JANGINIA	ABSENT				ABSENT			
47	PCE21CE046	VIJAY KUMAR								
48	PCE22CE703	KASHIF SHAKEEL								
49	PCE22CE704	MANMOHAN SINGH	ABSENT							
50	PCE22CE800	NEETESH MEENA								
51	PCE22CE705	WASIM ALI								

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POORNIMA COLLEGE OF ENGINEERING, JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON ETABS

Date: 4/7/2024

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE21CE001	AASHISH AMAT							
2	PCE21CE002	AASHISH CHAUHAN			Absent				
3	PCE21CE003	ABHISHEK							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA							
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA							
8	PCE21CE047	ASTHA DADHICH							
9	PCE21CE501	ATISH CHOUHAN							
10	PCE21CE008	BAJRANG							
11	PCE21CE009	DEVANSH TYAGI							
12	PCE21CE010	DEVANSHI MEENA							
13	PCE21CE011	DEVANSHU HARSOLIA							
14	PCE21CE012	FAEEZ							
15	PCE21CE013	GARVIT CHHAWAL							
16	PCE21CE014	GAURISH GAUD							
17	PCE21CE015	HIMANSHU MEENA							
18	PCE21CE016	JITENDRA SHARMA							
19	PCE21CE017	KESHAV KUMAR			Keshav		Keshav	Keshav	Keshav
20	PCE21CE019	MANISH PRAJAPAT							
21	PCE21CE020	MAYANK JHAJHARIA							
22	PCE21CE021	MD TALHA							
23	PCE21CE022	MOHD KAIF LANGA							

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Date- 4/7/2024

24	PCE21CE023	NAVEEN SINGH	ABSENT	—	ABSENT			ABSENT	ABSENT		
25	PCE21CE024	NITIN KUMAR	Nitin	Nitin	Nitin			Nitin	Nitin	Nitin	
26	PCE21CE025	PANKAJ MEENA	ABSENT	ABSENT	ABSENT			ABSENT	ABSENT		
27	PCE21CE026	PRATHAM CHAUHAN									
28	PCE21CE503	PRIYANKA KUMARI		ABSENT	ABSENT						
29	PCE21CE027	RADHEYSHYAM DERWAL									
30	PCE21CE028	RAGHAV KUMAR SHARMA						ABSENT	ABSENT		
31	PCE21CE029	RAHUL GURJAR									
32	PCE21CE030	RAHUL KUMAR MEENA		ABSENT	ABSENT				ABSENT		
33	PCE21CE031	RAHUL PRAJAPAT								ABSENT	
34	PCE21CE504	RAHUL SINGH	ABSENT								
35	PCE21CE033	RAMINDRA SINGH TANWAR									
36	PCE21CE034	RAVI KUMAR SHARMA						ABSENT	ABSENT	ABSENT	
37	PCE21CE035	RAVI MEENA									
38	PCE21CE037	ROHIT CHOUDHARY		ABSENT							
39	PCE21CE038	SHILPA BANSAL			ABSENT			ABSENT	ABSENT	ABSENT	
40	PCE21CE039	SHIVANI VERMA									
41	PCE21CE040	SHREYA SHARMA									
42	PCE21CE041	SUDHIR CHOUDHARY									
43	PCE21CE042	SUJATAA KUMARI	ABSENT	ABSENT				ABSENT	ABSENT		
44	PCE21CE043	TANMAY BARGOT	Tanmay	Tanmay	Tanmay			Tanmay	Tanmay	Tanmay	
45	PCE21CE044	TEJAS RATAWAL	ABSENT	ABSENT	ABSENT			ABSENT	ABSENT	ABSENT	
46	PCE21CE045	TILAK RAJ JANGINIA									
47	PCE21CE046	VIJAY KUMAR									
48	PCE22CE703	KASHIF SHAKEEL	Kashif	Kashif	Kashif			Kashif	Kashif	Kashif	
49	PCE22CE704	MANMOHAN SINGH	ABSENT	ABSENT	ABSENT			ABSENT	ABSENT	ABSENT	
50	PCE22CE800	NEETESH MEENA									
51	PCE22CE705	WASIM ALI									

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POORNIMA COLLEGE OF ENGINEERING, JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON ETABS

Date: 5/7/2024

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE21CE001	AASHISH AMAT	ABSENT				ABSENT		
2	PCE21CE002	AASHISH CHAUHAN	ABSENT				ABSENT		
3	PCE21CE003	ABHISHEK .	ABSENT						
4	PCE21CE004	ABHISHEK JINDAL	ABSENT				ABSENT		
5	PCE21CE005	ADITYA MEENA	ABSENT				ABSENT		
6	PCE21CE006	AKASH KUMAR DHAKA	ABSENT						
7	PCE21CE007	ANKIT KUMAR MEENA	Ankit Meena	Ankit Meena	Ankit Meena		Ankit Meena	Ankit Meena	Ankit Meena
8	PCE21CE047	ASTHA DADHICH	ABSENT				ABSENT		
9	PCE21CE501	ATISH CHOUHAN	ABSENT				ABSENT		
10	PCE21CE008	BAJRANG .	ABSENT				ABSENT		
11	PCE21CE009	DEVANSH TYAGI	ABSENT						
12	PCE21CE010	DEVANSHI MEENA							
13	PCE21CE011	DEVANSHU HARSOLIA							
14	PCE21CE012	FAEEZ .	ABSENT				ABSENT		
15	PCE21CE013	GARVIT CHHAWAL	ABSENT						
16	PCE21CE014	GAURISH GAUD	ABSENT						
17	PCE21CE015	HIMANSHU MEENA	ABSENT						
18	PCE21CE016	JITENDRA SHARMA .	ABSENT				ABSENT		
19	PCE21CE017	KESHAV KUMAR	ABSENT				ABSENT		
20	PCE21CE019	MANISH PRAJAPAT	ABSENT				ABSENT		
21	PCE21CE020	MAYANK JHAJHARIA	ABSENT				ABSENT		
22	PCE21CE021	MD TALHA .	ABSENT				ABSENT		
23	PCE21CE022	MOHD KAIF LANGA	ABSENT						

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Date 5/7/2024

24	PCE21CE023	NAVEEN SINGH	ABSENT			ABSENT			
25	PCE21CE024	NITIN KUMAR	ABSENT			ABSENT			
26	PCE21CE025	PANKAJ MEENA	ABSENT			ABSENT			
27	PCE21CE026	PRATHAM CHAUHAN	ABSENT						
28	PCE21CE503	PRIYANKA KUMARI	ABSENT			ABSENT			
29	PCE21CE027	RADHEYSHYAM DERWAL	ABSENT			ABSENT			
30	PCE21CE028	RAGHAV KUMAR SHARMA							
31	PCE21CE029	RAHUL GURJAR	ABSENT			ABSENT			
32	PCE21CE030	RAHUL KUMAR MEENA	ABSENT			ABSENT			
33	PCE21CE031	RAHUL PRAJAPAT	ABSENT			ABSENT			
34	PCE21CE504	RAHUL SINGH	ABSENT			ABSENT			
35	PCE21CE033	RAMINDRA SINGH TANWAR	ABSENT			ABSENT			
36	PCE21CE034	RAVI KUMAR SHARMA	ABSENT			ABSENT			
37	PCE21CE035	RAVI MEENA	ABSENT			ABSENT			
38	PCE21CE037	ROHIT CHOUDHARY	ABSENT						
39	PCE21CE038	SHILPA BANSAL	ABSENT			ABSENT			
40	PCE21CE039	SHIVANI VERMA	ABSENT			ABSENT			
41	PCE21CE040	SHREYA SHARMA	ABSENT			ABSENT			
42	PCE21CE041	SUDHIR CHOUDHARY	ABSENT						
43	PCE21CE042	SUJATAA KUMARI	ABSENT			ABSENT			
44	PCE21CE043	TANMAY BARGOT							
45	PCE21CE044	TEJAS RATAWAL							
46	PCE21CE045	TILAK RAJ JANGINIA	ABSENT			ABSENT			
47	PCE21CE046	VIJAY KUMAR							
48	PCE22CE703	KASHIF SHAKEEL	ABSENT						
49	PCE22CE704	MANMOHAN SINGH	ABSENT			ABSENT			
50	PCE22CE800	NEETESH MEENA	ABSENT			ABSENT			
51	PCE22CE705	WASIM ALI	ABSENT			ABSENT			

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ATTENDANCE STATUS OF WORKSHOP ON ETABS

Date: 6/7/2024

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE21CE001	AASHISH AMAT					ABSENT		
2	PCE21CE002	AASHISH CHAUHAN	ABSENT				ABSENT		
3	PCE21CE003	ABHISHEK							
4	PCE21CE004	ABHISHEK JINDAL							
5	PCE21CE005	ADITYA MEENA	ABSENT						
6	PCE21CE006	AKASH KUMAR DHAKA							
7	PCE21CE007	ANKIT KUMAR MEENA							
8	PCE21CE047	ASTHA DADHICH	ABSENT				ABSENT		
9	PCE21CE501	ATISH CHOUHAN	ABSENT				ABSENT		
10	PCE21CE008	BAJRANG	ABSENT				ABSENT		
11	PCE21CE009	DEVANSH TYAGI					ABSENT		
12	PCE21CE010	DEVANSHI MEENA							
13	PCE21CE011	DEVANSHU HARSOLIA							
14	PCE21CE012	FAEEZ	ABSENT				ABSENT		
15	PCE21CE013	GARVIT CHHAWAL							
16	PCE21CE014	GAURISH GAUD							
17	PCE21CE015	HIMANSHU MEENA							
18	PCE21CE016	JITENDRA SHARMA	ABSENT				ABSENT		
19	PCE21CE017	KESHAV KUMAR	ABSENT				ABSENT		
20	PCE21CE019	MANISH PRAJAPAT	ABSENT				ABSENT		
21	PCE21CE020	MAYANK JHAJHARIA	ABSENT				ABSENT		
22	PCE21CE021	MD TALHA	ABSENT				ABSENT		
23	PCE21CE022	MOHD KAIF LANGA	ABSENT				ABSENT		

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	PCE21CE023	NAVEEN SINGH								
25	PCE21CE024	NITIN KUMAR	ABSENT			ABSENT				
26	PCE21CE025	PANKAJ MEENA	ABSENT			ABSENT				
27	PCE21CE026	PRATHAM CHAUHAN				ABSENT				
28	PCE21CE503	PRIYANKA KUMARI	ABSENT							
29	PCE21CE027	RADHEYSHYAM DERWAL	ABSENT			ABSENT				
30	PCE21CE028	RAGHAV KUMAR SHARMA								
31	PCE21CE029	RAHUL GURJAR	ABSENT			ABSENT				
32	PCE21CE030	RAHUL KUMAR MEENA	ABSENT			ABSENT				
33	PCE21CE031	RAHUL PRAJAPAT	ABSENT			ABSENT				
34	PCE21CE504	RAHUL SINGH	ABSENT			ABSENT				
35	PCE21CE033	RAMINDRA SINGH TANWAR				ABSENT				
36	PCE21CE034	RAVI KUMAR SHARMA	ABSENT			ABSENT				
37	PCE21CE035	RAVI MEENA	ABSENT							
38	PCE21CE037	ROHIT CHOUDHARY	ABSENT							
39	PCE21CE038	SHILPA BANSAL	ABSENT							
40	PCE21CE039	SHIVANI VERMA	ABSENT							
41	PCE21CE040	SHREYA SHARMA	ABSENT			ABSENT				
42	PCE21CE041	SUDHIR CHOUDHARY								
43	PCE21CE042	SUJATAA KUMARI								
44	PCE21CE043	TANMAY BARGOT								
45	PCE21CE044	TEJAS RATAWAL								
46	PCE21CE045	TILAK RAJ JANGINIA	ABSENT			ABSENT				
47	PCE21CE046	VIJAY KUMAR				ABSENT				
48	PCE22CE703	KASHIF SHAKEEL								
49	PCE22CE704	MANMOHAN SINGH	ABSENT			ABSENT				
50	PCE22CE800	NEETESH MEENA	ABSENT			ABSENT				
51	PCE22CE705	WASIM ALI								

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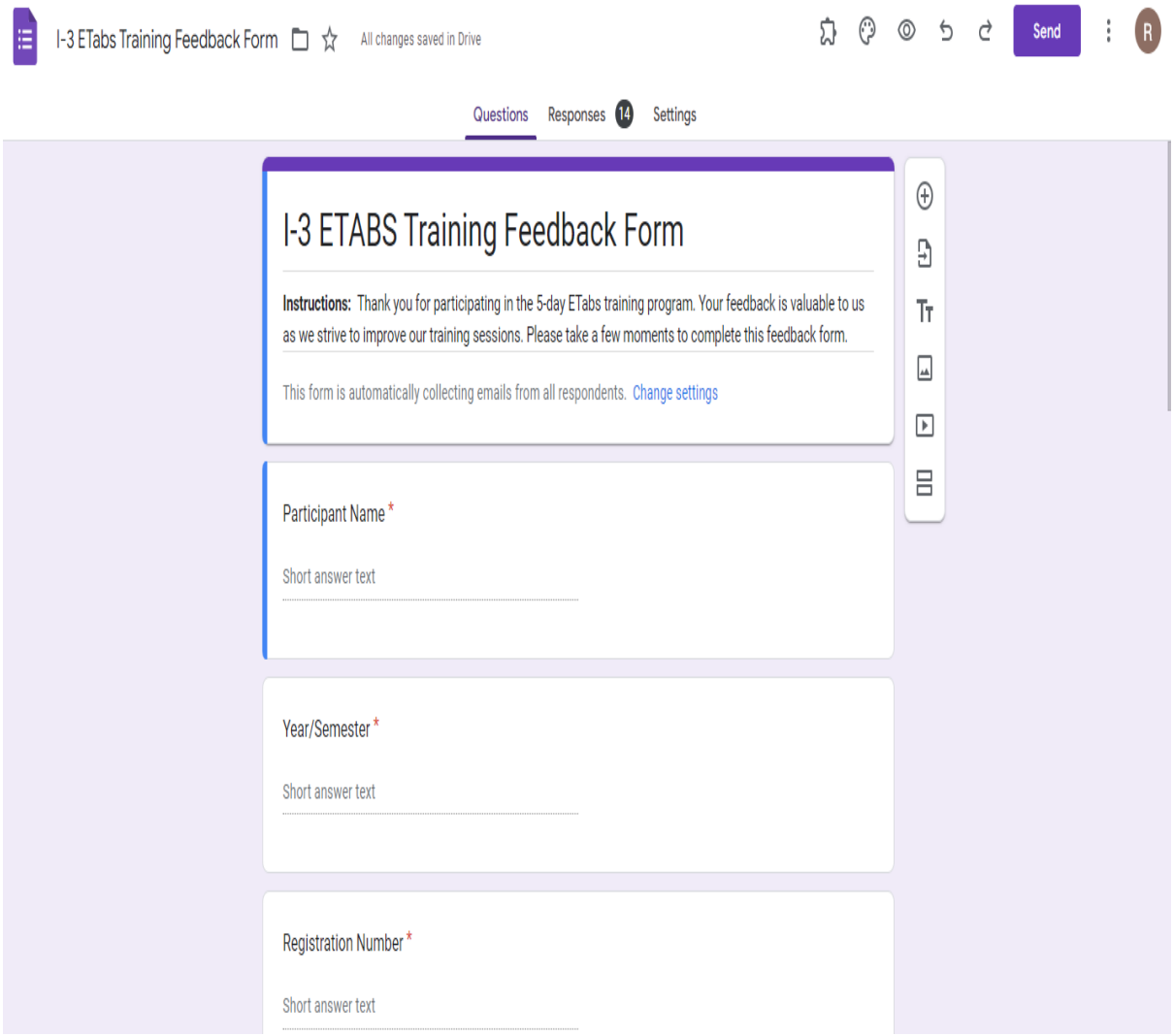
FEEDBACK FORM



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POORNIMA
COLLEGE OF ENGINEERING
Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • NAAC A+ Accredited

CELEBRATING 25 YEARS OF EXCELLENCE

Report - Workshop on Revit Training Program

NAME OF ACTIVITY: - Workshop on **Revit Training Program**

DATE & DURATION: July 2-6, 2024

ORGANIZED BY: Department of Civil Engineering

RESOURCE PERSON: Mr.Prateek Sharma

Trainer Name - Mr. Rohit

COURSE OUTCOME:

S. No.	Course Outcomes
CO1	To understand the basic commands of Revit.
CO2	To Apply the complex conditions in Revit software.
CO3	To Analyze the different structural components by using Revit software

MAPPING COURSE OUTCOMES WITH PO AND PSO

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-
CO2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	-	-	-	3	-	2	-

OBJECTIVE:

The objective of a workshop on Revit Training Program could be multifaceted:

Introduction to Revit:

- Provide an overview of Revit software, its interface, and basic functionalities.
- Explain the benefits and applications of Building Information Modeling (BIM).

Basic Modeling Techniques:

- Teach students how to create and modify basic building components such as walls, doors, windows, and floors.
- Introduce the concepts of levels and grids.

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Advanced Modeling:

- Explore advanced modeling techniques, including the creation of custom families and complex geometries.
- Demonstrate the use of massing tools for conceptual design.

Documentation and Annotation:

- Show how to create and manage construction documents, including plans, sections, elevations, and details.
- Teach annotation tools, such as dimensions, text, and tags.

Collaboration and Coordination:

- Explain how to work on shared projects using work sharing and collaboration tools.
- Introduce clash detection and coordination with other disciplines.

Rendering and Visualization:

- Demonstrate the use of rendering tools to create photorealistic images and walkthroughs.
- Teach basic visualization techniques to enhance presentations.

Project Management:

- Provide insights into project management within Revit, including the use of phases, design options, and project parameters.
- Discuss scheduling and cost estimation tools.

Customization and Automation:

- Introduce the concepts of customization through Revit's API and Dynamo for Revit.
- Demonstrate how to automate repetitive tasks and enhance workflow efficiency.

Sustainability Analysis:

Teach students how to perform energy analysis and sustainability assessments using Revit.

Real-World Application:

- Provide case studies and examples of real-world projects where Revit has been successfully implemented.
- Encourage students to apply learned skills to a small project or design challenge.

Industry Standards and Best Practices:

- Introduce industry standards and best practices for using Revit in professional settings.
- Discuss the importance of adhering to BIM standards and protocols.

CIRCULAR:

Regarding Workshop on REVIT Training Program

1 message

Prateek Sharma <prateek.sharma@poornima.org> 30 June 2024 at 01:31
To: PCE - CIVIL - Batch 2022-2026 <pce.civ.2026@poornima.org>
Cc: HOD CIVIL PCE <hodcivil.pce@poornima.org>, Rituraj Singh Rathore <rituraj.rathore@poornima.org>, Chandra Mohan Sharma <chandra.mohan@poornima.org>, Satendra Kumar Sharma <satendra.sharma@poornima.org>, Lokesh Kumawat <lokesh.kumawat@poornima.org>, Harlal Singh Kataria <harlal.kataria@poornima.org>

Dear students,

I hope this email finds you well. As we all know our department is organizing a workshop on REVIT for the second-year students scheduled from 02/07/2024 to 06/07/2024. As the workshop is a crucial part of the curriculum, we want to ensure a smooth and productive experience for all the participants. It is compulsory to attend the workshop as it is directly related to your placement and the overall development of your technical skills.

I would like to request your assistance in the following activities;
1. Ensuring proper uniform & decorum during the session
2. Mandatory regular attendance
3. Time keeping
4. Facilitating Discussions
5. Q&A Session
6. Feedback google form

Technical Training will be delivered on the "BIM/Revit" for II year Civil-2026 batch students along with Autodesk certification. The cost of this training/workshop with certification is INR 1383/- per student.

Training cost for this workshop will be paid by the College.

If the attendance percentage of a student during this period i.e. July 2 to July 6, 2024 is below 80% then 50% of training cost INR 692 will be deducted from the student's caution money.

If the attendance percentage is below 50% then the entire training cost Rs 1383/- will be deducted from the student's caution money.

Your involvement would greatly contribute to the overall success of the workshop and provide valuable insights for your future.

Here are some key details about the workshop:
Title: Workshop on REVIT
Date: 02/07/2024 to 06/07/2024
Time: 8 A.M. to 3 P.M.
Venue- 1B13
Coordinator- Prateek Sharma

PFA the brochure

Google Form for Registration:

(i3) Day VAC – Technical Electives | PCE-2026 Batch | Even Sem. 2023-24

This form is no longer accepting responses, and has been set to automatically close by tpo@poornima.org.

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BROUCHER:

INTRODUCTION:

Autodesk Revit is powerful BIM software that enables architects, engineers, and construction professionals to design, visualize, and manage building projects digitally. It integrates various aspects of building design into a unified model, allowing for efficient collaboration, detailed documentation, and high-quality outcomes.

Why Learn Revit?

Industry Standard: Revit is widely adopted across the AEC industry, making it a valuable skill for professionals.

Enhanced Collaboration: Revit facilitates seamless collaboration among project stakeholders through its integrated BIM environment.

Improved Efficiency: Automate repetitive tasks, streamline workflows, and reduce errors with Revit's intelligent design tools.

Career Advancement: Proficiency in Revit can open doors to new job opportunities and career growth in the competitive AEC field.

This report provides a comprehensive overview of the workshop proceedings, highlighting key insights, learning's, and recommendations gathered from the collective expertise and experiences shared during the sessions.

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Syllabus & Session Overview:

CIVIL ENGINEERING SOFTWARE ACADEMY (CESA)

Syllabus for Revit

Civil Engineering Software Academy

Parijat Building, Karve Road, Pune

7447484672 / 9881372569

Description: Autodesk Revit is building information modeling software for Civil engineers, architects, structural engineers, MEP engineers, designers and contractors. It allows users to design a building and structure and its components in 3D, annotate the model with 2D drafting elements, and access building information from the building model's database. Revit is 4D BIM capable with tools to plan and track various stages in the building's lifecycle, from concept to construction and later demolition.

Course Outline:

Introduction to Autodesk Revit • Building Information Modeling • Overview of the Interface • Standard Terminology • Starting Projects • Viewing Commands	**DAY 1**
Basic Drawing and Editing Tools • General Drawing Tools • Editing Elements • Basic Modifying Tools	
Datum Elements - Levels and Grids • Setting Up Levels • Linking and Importing CAD Files	

Drawing and Modifying Walls • Drawing Walls • Modifying Walls • Helpful Editing Tools • Creating wall openings	
Doors and Windows • Adding Doors and Windows • Loading Door and Window Types from the Library • Creating Additional Door and Window Sizes	**DAY 2**
Curtain Walls • Creating Curtain Walls • Adding Curtain Grids • Working with Curtain Wall Panels • Attaching Mullions to Curtain Grids	
Creating Views • Duplicating Views • Adding Callout Views • Setting the View Display • Elevations and Sections	
Floors • Creating Floors • Creating Shaft Openings • Creating Sloped Floors	
Components • Adding Components • Modifying Components	**DAY 3**
Roofs • Creating Roofs • Creating Roofs by Footprint • Reference Planes and Work Planes • Creating Roofs by Extrusion • Cleaning Up Wall and Roof Intersections	
Materials • Adding & Modifying Materials	
Schedules • Adding & Modifying Schedules • Creating Room & Room Schedules • Creating Legends	

Vertical Circulation • Creating Assembled Stairs • Modifying Assembled Stairs • Sketching Custom Stairs • Creating Ramps • Working with Railings	**DAY 4**
Construction Documents • Setting Up Sheets • Placing and Modifying Views on Sheets • Printing Sheets	
Site Design • Creating Topographical Surfaces • Property Lines and Building Pads • Modifying Toposurfaces • Annotating Site Plans Site Components	
Massing Studies • Overview of Massing Studies • Placing Mass Elements • Creating Conceptual Massing • Creating Mass Forms	
Visualisation • Perspectives • Creating Walkthroughs • Exploded Views	**DAY 5**
Rendering • Basic Rendering • Working with Lighting Enhancing Renderings	
Importing and Exporting • Importing and Linking Vector Files • Modifying Imported Files • Importing Raster Image Files • Exporting Files • Exporting for Energy Analysis	
Working with Family • Creating Components in family template	

Day: 1

DATE: 02/07/2024, (Tuesday)

Day 1: Introduction and Basic Modelling

On the first day, participants were introduced to the fundamental concepts of Revit, including its user interface, basic modelling techniques, and essential tools. The sessions focused on creating simple architectural models, which laid a solid foundation for the more complex tasks to follow.

Activity Performed:-

1. Introduction to Revit.
2. Explanation on all the tools available in Revit.
3. Introduction to working with levels.
4. Introduction to draw tools.
5. Practice of various draw tools and practice of drawing walls.
6. Completion of assignment 1.

PHOTOGRAPHS:

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Day: 2

DATE: 03/05/2024, (Wednesday)

Day 2: Advanced Modelling and Families

Day two progressed to more advanced modeling techniques, including the creation and modification of complex building components. Attendees learned about Revit families, a critical feature for creating custom components, and how to utilize these effectively to streamline the modelling process.

Activity Performed:-

1. Introduction to staircase in Revit.
2. Drawing of staircases using different draw tools.
3. Completion of assignment 1,2 and 3.
4. Introduction to floors.
5. Drawing floors using different draw tools.
6. Editing of Floors in Revit.

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Day: 3

DATE: 04/07/2024, (Thursday)

Day 3: Documentation and Detailing

The third day emphasized the importance of precise documentation and detailing within Revit. Participants explored the tools and techniques for generating construction documents, including plans, sections, elevations, and details. The focus was on producing accurate and professional documentation essential for successful project execution.

Activity Performed:-

1. Introduction to Roofs in Revit.
2. Drawing of Roofs using different draw tools.
3. Editing of Roofs in Revit.
4. Creating an opening for staircase in roofs using editing tools.
5. Drawing walls for staircase top.
6. Completion of staircase top.

PHOTOGRAPHS:

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Day: 4

DATE: 05/07/2024, (Friday)

Activity Perform:-

1. Introduction to railings in Revit.
2. Drawing railings using different draw tools.
3. Introduction to families and components in Revit.
4. Placing of Furniture and environment in Revit.
5. Introduction to Toposolid environment.
6. Drawing Toposolid using different draw tools.
7. Creating road in Revit.
8. Assigning material to Road in Revit.
9. Placing of External lights in Toposolid.
10. Completion of assignment 4 & 5.

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Day: 5

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DATE: 06/07/2024, (Saturday)

Day 5: Visualization and Rendering

The final day of the workshop was dedicated to visualization and rendering techniques. Participants explored Revit's capabilities for creating high-quality visual representations of their models, including walkthroughs and photorealistic renderings. These skills are crucial for effectively communicating design intent to clients and stakeholders.

Activity Performed:

1. Completion of Individual assignments by students.
2. Introduction to Mass Elements and structures in Revit.
3. Drawing Mass structures.
4. Creating and assigning Floors, Roofs and Walls in massing and siting.
5. Introduction to Curved or Twisted tall structures in Revit.
6. Introduction to Curtain system and Mullions.
7. Assigning curtain system and mullions to structures.
8. Introduction to Camera perspective and rendering in Revit.

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CONCLUSION:

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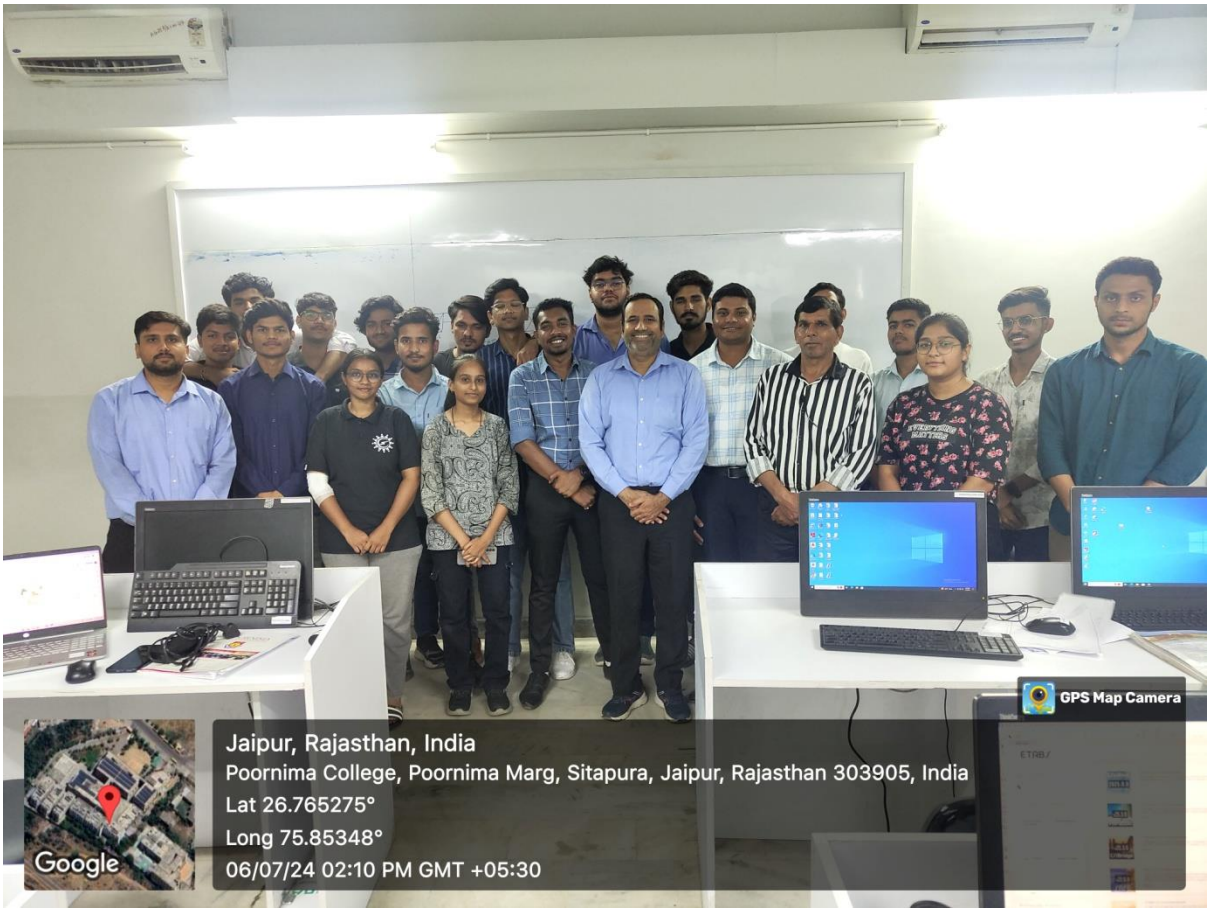
Throughout the workshop, participants engaged in hands-on exercises and real-world scenarios, reinforcing their learning and enabling them to apply their new skills directly to their projects. The collaborative environment fostered knowledge sharing and problem-solving, further enhancing the overall learning experience.

The feedback from participants has been overwhelmingly positive, highlighting the practical applications of the skills acquired and the confidence gained in using Revit for their design and documentation needs. The workshop has not only expanded their technical proficiency but also inspired innovative approaches to their work.

Overall, the workshop was a valuable opportunity to learn from each other and gain practical skills that we can use in our work. We left feeling more confident in our ability to manage construction projects effectively and make informed decisions about costs and quantities.



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ATTENDANCE SHEET:

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POORNIMA COLLEGE OF ENGINEERING, JAIPUR

DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 2/07/24

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE22CE508	AHTISHAM RASHID	Ahtisham	Ahtisham	Ahtisham		Ahtisham	Ahtisham	Ahtisham
2	PCE22CE001	AJAY YADAV	Ajay	Ajay	Ajay		← ABSENT		→
3	PCE22CE002	ANSH KUMAR DVIVEDI	Ansh	Ansh	Ansh		Ansh	Ansh	Ansh
4	PCE22CE506	ARJUN KUMAR	Arjun	Arjun	Arjun		Arjun	Arjun	Arjun
5	PCE22CE003	ARYAN BAIRWA	Aryan	Aryan	Aryan		Aryan	Aryan	Aryan
6	PCE22CE004	ARYAN YADAV	Aryan	Aryan	Aryan		Aryan	Aryan	Aryan
7	PCE22CE005	HIMANSHU MEENA	←	—	ABSENT		→		
8	PCE22CE006	LOKESH KUMAWAT	Lokesh	Lokesh	Lokesh		← ABSENT		→
9	PCE22CE007	MANISH KARWASARA	Manish	Manish	Manish	—	← ABSENT		→
10	PCE22CE008	MAYANK MEENA	←	—	ABSENT		→		
11	PCE22CE009	MOHAMMAD MONISH RAZA	Monish	Monish	Monish		Monish	Monish	Monish
12	PCE22CE010	MOHAMMED ADIL	Adil	Adil	Adil		Adil	Adil	Adil
13	PCE22CE011	MS ASTHA GARG	Astha	Astha	Astha		Astha	Astha	Astha
14	PCE22CE013	MS JAHNAVI NINAMA	Jahnavi	Jahnavi	Jahnavi		← ABSENT		→
15	PCE22CE012	MS PARUL SHARMA	Parul	Parul	Parul		Parul	Parul	Parul
16	PCE22CE031	NITIN SHARMA	Nitin	Nitin	Nitin		Nitin	Nitin	NITIN
17	PCE22CE015	PAVAN GURJAR	←	ABSENT			→		
18	PCE22CE017	PRAGYA SHEKHAWAT	Pragya	Pragya	Pragya		Pragya	Pragya	Pragya
19	PCE22CE018	RAJESH JANGIR	←	—	ABSENT		→		
20	PCE22CE019	ROHIT PRAJAPATI	Rohit	Rohit	Rohit		Rohit	Rohit	Rohit
21	PCE22CE020	SAMEER BAIRWA	Sameer	Sameer	Sameer		← ABSENT		→
22	PCE22CE021	SAMEER CHOUDHARY	Sameer	Sameer	Sameer		← ABSENT		→
23	PCE22CE022	SIDDHARTH SAINI	Siddharth	Siddharth	Siddharth		Siddharth	Siddharth	Siddharth
24	PCE22CE023	SUNIL KUMAR RANWA	Sunil	Sunil	Sunil		Sunil	Sunil	Sunil
25	PCE22CE024	TANMAY KUMAR	Tanmay	Tanmay	Tanmay		Tanmay	Tanmay	Tanmay
26	PCE22CE025	TUSHAR JAISWAL	Tushar	Tushar	Tushar		Tushar	Tushar	Tushar
27	PCE22CE026	VISHAL DHAWAN	←	ABSENT			→		
28	PCE22CE027	YASHRAJ ADITYA	Yashraj	Yashraj	Yashraj		← ABSENT		→
29	PCE22CE028	YUVRAJ SINGH GURJAR	Yuvraj	Yuvraj	Yuvraj		Yuvraj	Yuvraj	Yuvraj
30	PCE23CE800	ADITYA SAINI							
31	PCE23CE801	AJAY SINGH CHOUHAN	Ajay Singh	Ajay Singh	Ajay Singh		Ajay Singh	Ajay Singh	Ajay Singh
32	PCE23CE802	AMAN VISHAL	Aman	Aman	Aman		Aman	Aman	Aman
33	PCE23CE803	RAVI RAUSHAN	Ravi	Ravi	Ravi		Vivek	Vivek	VIVEK
34	PCE23CE804	VIVEK KUMAR	Vivek	Vivek	Vivek				

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DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 3/07/24

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE22CE508	AHTISHAM RASHID							
2	PCE22CE001	AJAY YADAV							
3	PCE22CE002	ANSH KUMAR DVIVEDI							
4	PCE22CE506	ARJUN KUMAR							
5	PCE22CE003	ARYAN BAIRWA							
6	PCE22CE004	ARYAN YADAV							
7	PCE22CE005	HIMANSHU MEENA							
8	PCE22CE006	LOKESH KUMAWAT							
9	PCE22CE007	MANISH KARWASARA							
10	PCE22CE008	MAYANK MEENA							
11	PCE22CE009	MOHAMMAD MONISH RAZA							
12	PCE22CE010	MOHAMMED ADIL							
13	PCE22CE011	MS ASTHA GARG						AB	AB
14	PCE22CE013	MS JAHNAVI NINAMA							
15	PCE22CE012	MS PARUL SHARMA							
16	PCE22CE031	NITIN SHARMA	ABSENT						
17	PCE22CE015	PAVAN GURJAR							
18	PCE22CE017	PRAGYA SHEKHAWAT							
19	PCE22CE018	RAJESH JANGIR							
20	PCE22CE019	ROHIT PRAJAPATI							
21	PCE22CE020	SAMEER BAIRWA							
22	PCE22CE021	SAMEER CHOUDHARY							
23	PCE22CE022	SIDDHARTH SAINI							
24	PCE22CE023	SUNIL KUMAR RANWA							
25	PCE22CE024	TANMAY KUMAR							
26	PCE22CE025	TUSHAR JAISWAL	ABSENT						
27	PCE22CE026	VISHAL DHAWAN							
28	PCE22CE027	YASHRAJ ADITYA							
29	PCE22CE028	YUVRAJ SINGH GURJAR							
30	PCE23CE800	ADITYA SAINI							
31	PCE23CE801	AJAY SINGH CHOUHAN							
32	PCE23CE802	AMAN VISHAL							
33	PCE23CE803	RAVI RAUSHAN							
34	PCE23CE804	VIVEK KUMAR							

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DEPARTMENT OF CIVIL ENGINEERING

ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 4/07/24

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE22CE508	AHTISHAM RASHID							
2	PCE22CE001	AJAY YADAV							
3	PCE22CE002	ANSH KUMAR DVIVEDI							
4	PCE22CE506	ARJUN KUMAR							
5	PCE22CE003	ARYAN BAIRWA							
6	PCE22CE004	ARYAN YADAV							
7	PCE22CE005	HIMANSHU MEENA							
8	PCE22CE006	LOKESH KUMAWAT							
9	PCE22CE007	MANISH KARWASARA							
10	PCE22CE008	MAYANK MEENA							
11	PCE22CE009	MOHAMMAD MONISH RAZA	←	—	ABSENT				→
12	PCE22CE010	MOHAMMED ADIL							
13	PCE22CE011	MS ASTHA GARG							
14	PCE22CE013	MS JAHNAVI NINAMA	←	—	ABSENT				→
15	PCE22CE012	MS PARUL SHARMA							
16	PCE22CE031	NITIN SHARMA							
17	PCE22CE015	PAVAN GURJAR	←	—	ABSENT				→
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19	PCE22CE018	RAJESH JANGIR							
20	PCE22CE019	ROHIT PRAJAPATI							
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25	PCE22CE024	TANMAY KUMAR							
26	PCE22CE025	TUSHAR JAISWAL							
27	PCE22CE026	VISHAL DHAWAN	←	—	ABSENT				→
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29	PCE22CE028	YUVRAJ SINGH GURJAR							
30	PCE23CE800	ADITYA SAINI							
31	PCE23CE801	AJAY SINGH CHOUHAN							
32	PCE23CE802	AMAN VISHAL							
33	PCE23CE803	RAVI RAUSHAN							
34	PCE23CE804	VIVEK KUMAR							

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ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 5/7/24

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE22CE508	AHTISHAM RASHID							
2	PCE22CE001	AJAY YADAV							
3	PCE22CE002	ANSH KUMAR DVIVEDI							
4	PCE22CE506	ARJUN KUMAR							
5	PCE22CE003	ARYAN BAIRWA							
6	PCE22CE004	ARYAN YADAV							
7	PCE22CE005	HIMANSHU MEENA					← AB	SENT	
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16	PCE22CE031	NITIN SHARMA							
17	PCE22CE015	PAVAN GURJAR	← AB →	←			ABS	ENT	→
18	PCE22CE017	PRAGYA SHEKHAWAT							
19	PCE22CE018	RAJESH JANGIR	← AB →	←		A	BJS	ENT	→
20	PCE22CE019	ROHIT PRAJAPATI					← A	BSE	NT →
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23	PCE22CE022	SIDDHARTH SAINI							
24	PCE22CE023	SUNIL KUMAR RANWA							
25	PCE22CE024	TANMAY KUMAR							
26	PCE22CE025	TUSHAR JAISWAL				←	AB	SENT	→
27	PCE22CE026	VISHAL DHAWAN	← AB →	←		←	AB	→	
28	PCE22CE027	YASHRAJ ADITYA				←		ABSE	NT →
29	PCE22CE028	YUVRAJ SINGH GURJAR				←	A	BSENT	→
30	PCE23CE800	ADITYA SAINI							
31	PCE23CE801	AJAY SINGH CHOUHAN				←		ABSE	NT →
32	PCE23CE802	AMAN VISHAL	← AB →	←			AB	SENT	→
33	PCE23CE803	RAVI RAUSHAN	← AB →	←			ABSE	NT	→
34	PCE23CE804	VIVEK KUMAR	← AB →	←		A	BSE	NT	→

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ATTENDANCE STATUS OF WORKSHOP ON REVIT

Date: 6/07/24

S.N	Reg. No.	Student Name	8-9 AM	9-10 AM	10-11 AM	Lunch	11:40-12:40 PM	12:40 to 01:40 PM	1:40-2:50 PM
1	PCE22CE508	AHTISHAM RASHID						AB	
2	PCE22CE001	AJAY YADAV						AB	
3	PCE22CE002	ANSH KUMAR DVIVEDI			A	B	SENT		
4	PCE22CE506	ARJUN KUMAR							
5	PCE22CE003	ARYAN BAIRWA							
6	PCE22CE004	ARYAN YADAV				A	B SENT		
7	PCE22CE005	HIMANSHU MEENA						AB	AB
8	PCE22CE006	LOKESH KUMAWAT							
9	PCE22CE007	MANISH KARWASARA							
10	PCE22CE008	MAYANK MEENA					AB		
11	PCE22CE009	MOHAMMAD MONISH RAZA							
12	PCE22CE010	MOHAMMED ADIL							
13	PCE22CE011	MS ASTHA GARG							
14	PCE22CE013	MS JAHNAVI NINAMA			A	B	SENT		
15	PCE22CE012	MS PARUL SHARMA							
16	PCE22CE031	NITIN SHARMA			AB		SENT		
17	PCE22CE015	PAVAN GURJAR			A	B	SENT		
18	PCE22CE017	PRAGYA SHEKHAWAT	AB						
19	PCE22CE018	RAJESH JANGIR			A	B			
20	PCE22CE019	ROHIT PRAJAPATI							
21	PCE22CE020	SAMEER BAIRWA							
22	PCE22CE021	SAMEER CHOUDHARY							
23	PCE22CE022	SIDDHARTH SAINI							
24	PCE22CE023	SUNIL KUMAR RANWA							
25	PCE22CE024	TANMAY KUMAR							
26	PCE22CE025	TUSHAR JAISWAL			A	B			
27	PCE22CE026	VISHAL DHAWAN						AB	
28	PCE22CE027	YASHRAJ ADITYA							
29	PCE22CE028	YUVRAJ SINGH GURJAR			A	B			
30	PCE23CE800	ADITYA SAINI							
31	PCE23CE801	AJAY SINGH CHOUHAN				A	B		
32	PCE23CE802	AMAN VISHAL				A	B		
33	PCE23CE803	RAVI RAUSHAN							
34	PCE23CE804	VIVEK KUMAR							

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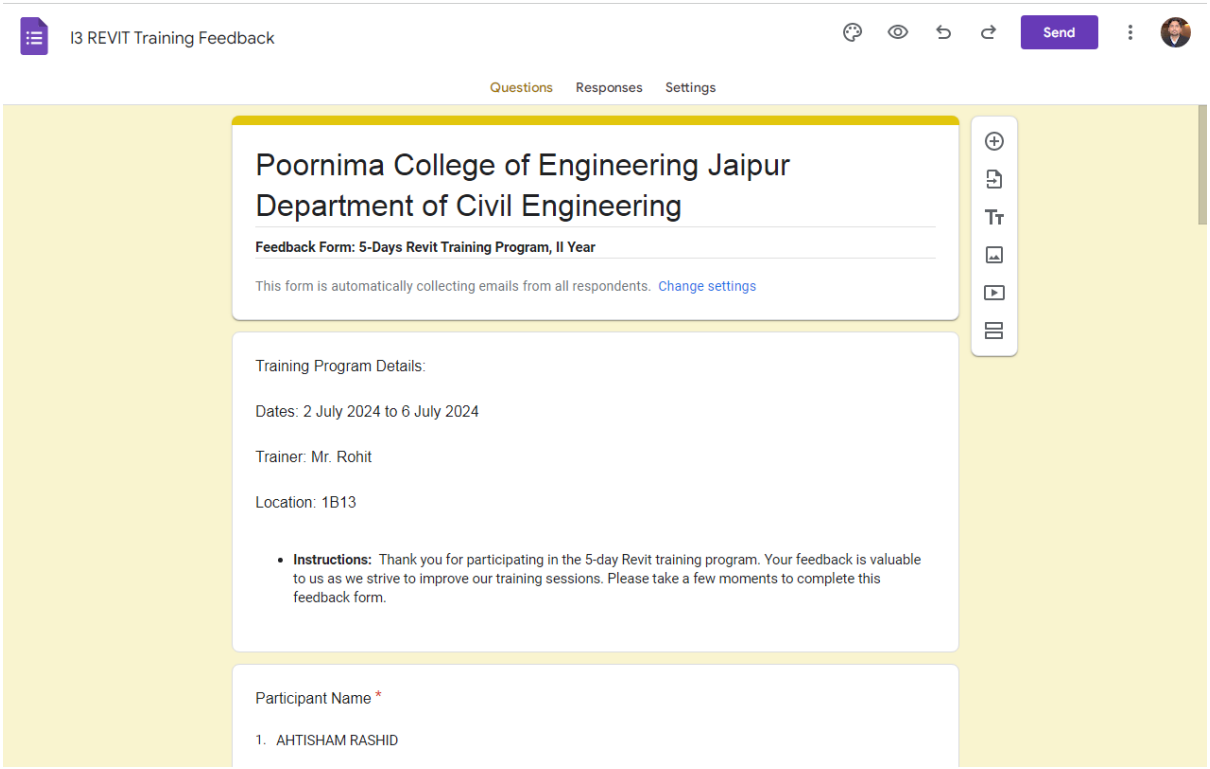
Feedback Form



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COLLEGE OF ENGINEERING

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A Report On

"Ethical Dilemma Scenarios Activity"

NAME OF ACTIVITY: Ethical Dilemma Scenarios Activity

DATE & DURATION: March 28th, 2024

TYPE OF ACTIVITY: Workshop-Interactive Activity

ORGANIZED BY: Department of Information Technology

FACULTY COORDINATOR: Mr. Alok Singh

LEARNING OUTCOMES:

The participants through this workshop will be able to -

CO1: Students learn to analyze ethical dilemmas and apply principles to make informed decisions in professional settings.

CO2: Engaging with scenarios encourages students to consider multiple perspectives, weigh consequences, and make reasoned judgment.

CO3: Students gain insight into their professional responsibilities, understanding the societal impacts of their decisions and the importance of upholding ethical standards..

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MAPPINGS WITH PO AND PSO:

	PO-1 (Engineering Knowledge)	PO-2 (Problem Analysis)	PO-3 (Design/Development of Solutions)	PO-4 (Conduct Investigations of Complex Problems)	PO-5 (Modern Tool)	PO-6 (Engineer and Society)	PO-7 (Environment and Sustainability)	PO-8 (Ethics)	PO-9 (Individual and Team Work)	PO-10 (Communication)	PO-11 (Project Management and Finance)	PO-12 (Life-Long Learning)
CO1						**3**		**3**				
CO2									**3**			
CO3						**2**		**2**	**2**			

ASSESSMENTTOOLS:

POORNIMA COLLEGE OF ENGINEERING					
FEEDBACK FORM					
Tick for the level of rating (1 to 5) to be given 1-Lowest and 5 Highest					
Questions	**1**	**2**	**3**	**4**	**5**
Did the session meet its objectives?	-	-	-	-	-
Did you find the contents useful?	-	-	-	-	-
Did it help students to enhance their skills or learning's?	-	-	-	-	-
Was the Audio Video Quality satisfactory in case of online sessions?	-	-	-	-	-
Did you receive uninterrupted Connectivity in case of online sessions?	-	-	-	-	-
How do you rate this session overall?	-	-	-	-	-
What can we do to improve in future?					
Remarks/Suggestions:					

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PCE/IT/DO/2023-24/ 012 Date: 25/03/2024

NOTICE

Ethical Dilemma Scenarios Activity

Department of Information Technology is organising a session on Ethical Dilemma. Details are mentioned below.

Date 28/03/2024
Venue- 2B07
Time- 12:00 PM to 3:00 PM

The students are required to be there on stipulated time. For further students may contact the faculty cordinator.

Dr. Gajendra Singh Rajawat
HoD,
(Department of Information Technology)

Dr. Mahesh Bundele
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DETAILS OF ACTIVITY:

The Department of Information Technology at Poornima College of Engineering organized an interactive activity titled "Ethical Dilemma Scenarios" on the 28th of March 2024. The objective of this activity was to instill human values and the spirit of professional ethics among second and third-year IT engineering students. The activity was designed to engage students in discussions and decision-making processes regarding ethical dilemmas commonly faced in the IT industry. Through realistic scenarios, students were encouraged to explore the ethical implications of their decisions and understand the importance of ethical conduct in their future careers. The activity saw enthusiastic participation from second and third-year IT engineering students of Poornima College of Engineering. The participants were divided into small groups, each facilitated by a group leader.

Prior to the activity, Mr. Alok Singh and his team meticulously prepared a series of realistic ethical dilemma scenarios relevant to the IT industry. These scenarios were carefully crafted to stimulate critical thinking and provoke discussion among the participants.

Participants were divided into small groups of 4-5 members each. Group formation was done to ensure diversity and encourage different perspectives during the discussions.

Each group was assigned a scenario and provided with the necessary materials. They were given time to read and understand the context of the scenario.

Participants engaged in lively discussions within their groups, considering various ethical implications, potential consequences, and alternative courses of action. Mr. Alok Singh facilitated the discussions by posing thought-provoking questions and encouraging active participation from all group members.After thorough discussions, each group presented their proposed solutions or decisions regarding the given scenario. Group presentations were followed by insightful discussions where participants shared their rationales and justifications behind their decisions. Mr. Alok Singh led a debriefing session where he provided feedback on each group's approach.Key ethical principles and professional values demonstrated or overlooked during the activity were highlighted.Participants were encouraged to reflect on their decision-making process and identify lessons learned. The Department of Information Technology expresses its gratitude to Mr. Alok Singh for coordinating the activity and to all the participants for their active involvement and insightful contributions.

GLIMPSES:

LIST OF THE PARTICIPANTS:

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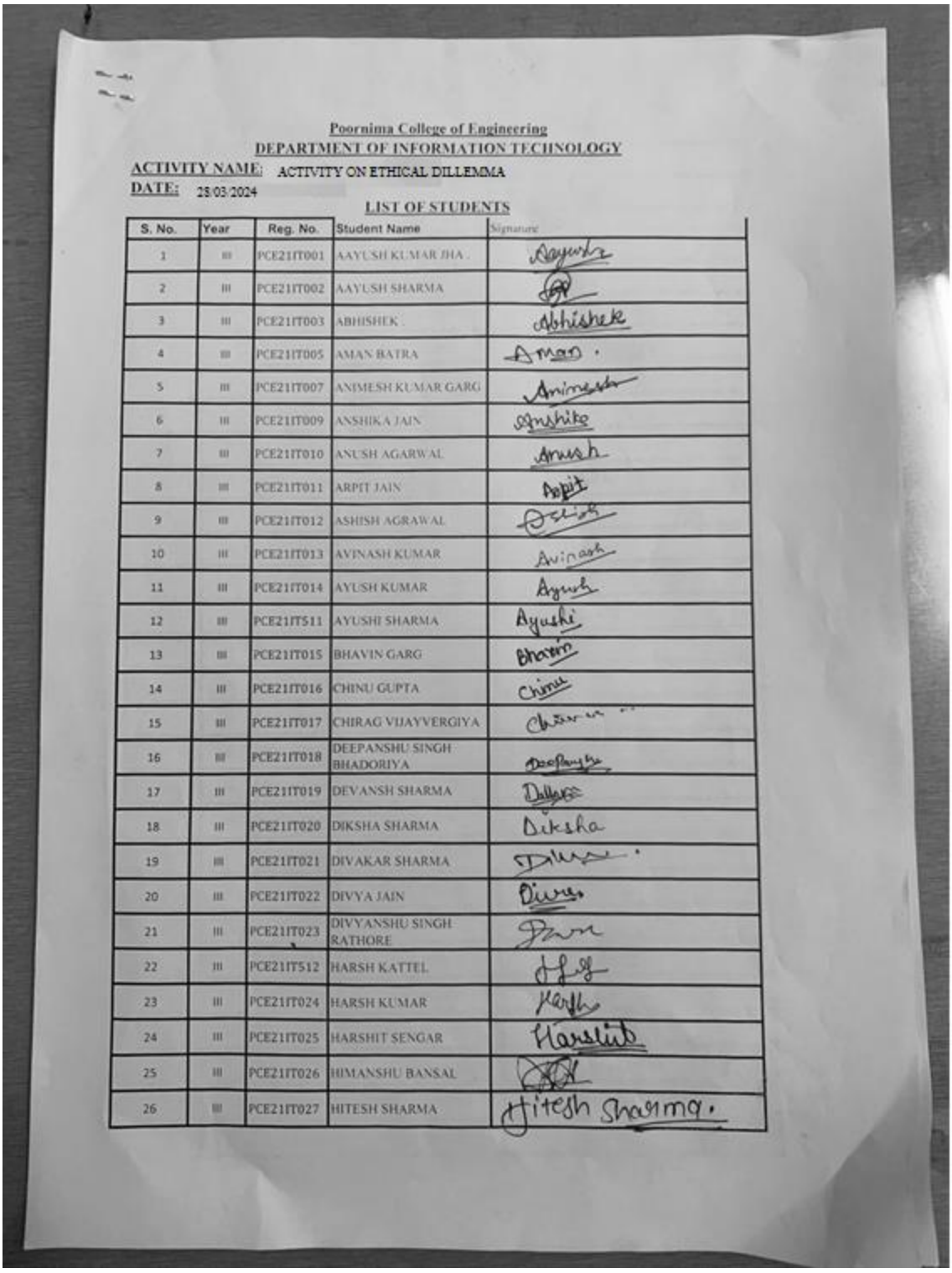


Poornima College of Engineering

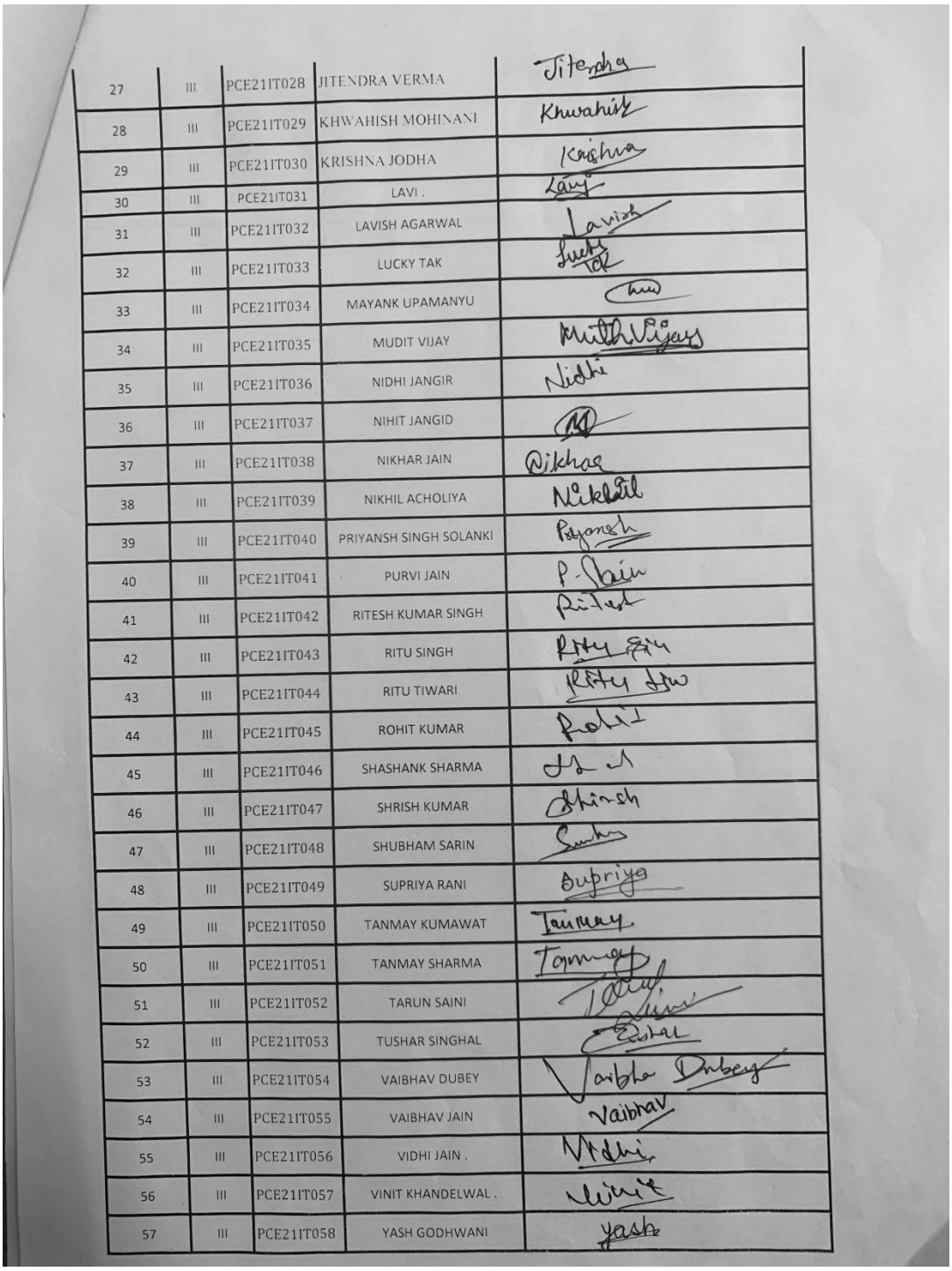
DEPARTMENT OF INFORMATION TECHNOLOGY

ACTIVITY NAME: ACTIVITY ON ETHICAL DILLEMMA

DATE: 28/03/2024

LIST OF STUDENTS

S. No.	Year	Reg. No.	Student Name	Signature
1	III	PCE21IT001	AAYUSH KUMAR JHA	
2	III	PCE21IT002	AAYUSH SHARMA	
3	III	PCE21IT003	ABHISHEK	
4	III	PCE21IT005	AMAN BATRA	
5	III	PCE21IT007	ANIMESH KUMAR GARG	
6	III	PCE21IT009	ANSHIKA JAIN	
7	III	PCE21IT010	ANUSH AGARWAL	
8	III	PCE21IT011	ARPIT JAIN	
9	III	PCE21IT012	ASHISH AGRAWAL	
10	III	PCE21IT013	AVINASH KUMAR	
11	III	PCE21IT014	AYUSH KUMAR	
12	III	PCE21IT511	AYUSHI SHARMA	
13	III	PCE21IT015	BHAVIN GARG	
14	III	PCE21IT016	CHINU GUPTA	
15	III	PCE21IT017	CHIRAG VIJAYVERGIYA	
16	III	PCE21IT018	DEEPANSHU SINGH BHADORIYA	
17	III	PCE21IT019	DEVANSH SHARMA	
18	III	PCE21IT020	DIKSHA SHARMA	
19	III	PCE21IT021	DIVAKAR SHARMA	
20	III	PCE21IT022	DIVYA JAIN	
21	III	PCE21IT023	DIVYANSHU SINGH RATHORE	
22	III	PCE21IT512	HARSH KATTEL	
23	III	PCE21IT024	HARSH KUMAR	
24	III	PCE21IT025	HARSHIT SENGAR	
25	III	PCE21IT026	HIMANSHU BANSAL	
26	III	PCE21IT027	HITESH SHARMA	



27	III	PCE21IT028	JITENDRA VERMA	
28	III	PCE21IT029	KHWAHISH MOHNANI	
29	III	PCE21IT030	KRISHNA JODHA	
30	III	PCE21IT031	LAVI .	
31	III	PCE21IT032	LAVISH AGARWAL	
32	III	PCE21IT033	LUCKY TAK	
33	III	PCE21IT034	MAYANK UPAMANYU	
34	III	PCE21IT035	MUDIT VIJAY	
35	III	PCE21IT036	NIDHI JANGIR	
36	III	PCE21IT037	NIHIT JANGID	
37	III	PCE21IT038	NIKHAR JAIN	
38	III	PCE21IT039	NIKHIL ACHOLIYA	
39	III	PCE21IT040	PRIYANSH SINGH SOLANKI	
40	III	PCE21IT041	PURVI JAIN	
41	III	PCE21IT042	RITESH KUMAR SINGH	
42	III	PCE21IT043	RITU SINGH	
43	III	PCE21IT044	RITU TIWARI	
44	III	PCE21IT045	ROHIT KUMAR	
45	III	PCE21IT046	SHASHANK SHARMA	
46	III	PCE21IT047	SHRISH KUMAR	
47	III	PCE21IT048	SHUBHAM SARIN	
48	III	PCE21IT049	SUPRIYA RANI	
49	III	PCE21IT050	TANMAY KUMAWAT	
50	III	PCE21IT051	TANMAY SHARMA	
51	III	PCE21IT052	TARUN SAINI	
52	III	PCE21IT053	TUSHAR SINGHAL	
53	III	PCE21IT054	VAIBHAV DUBEY	
54	III	PCE21IT055	VAIBHAV JAIN	
55	III	PCE21IT056	VIDHI JAIN .	
56	III	PCE21IT057	VINIT KHANDELWAL .	
57	III	PCE21IT058	YASH GODHWANI	

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FEEDBACK/ATTAINMENTS:

FEEDBACK ANALYSIS (2023-24)							
S.No.	**Attributes**	**Total Feed Back**					**100**
		>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	**Did the session meet its objectives?**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
		73.1958763	**20**	**6.185567**	**1**	**0**	**Objective Achieved - Outstanding & Excellent (94.58%)**
		73.20	**19.59**	**6.19**	**1.00**	**0.00**	
2	**Did you find the contents useful?**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
		73.1958763	**20**	**6.185567**	**1**	**0**	**Objective Achieved - Outstanding & Excellent (82.47%)**
		73.20	**19.59**	**6.19**	**1.00**	**0.00**	
3	**Did it help students to enhance their skills or learnings?**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
		73.1958763	**20**	**6.185567**	**1**	**0**	**Objective Achieved - Outstanding & Excellent (84.54%)**
		73.20	**19.59**	**6.19**	**1.00**	**0.00**	

4	Was the Audio Video Quality satisfactory in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding (83.51%)
		73.20	19.59	6.19	1.00	0.00	
5	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding & Excellent (85.57%)
		73.20	19.59	6.19	1.00	0.00	
6	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	All the sessions of the five years were conducted offline and online mode at the time of Covid
		73.20	19.59	6.19	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

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A Report on
"PCB DESIGNINIG WORKSHOP"

NAME OF ACTIVITY: PCB Designing Workshop

DATE & DURATION: 8 December 2023

TYPE OF ACTIVITY: Co-Curricular

ORGANIZED BY: Department of Electronics & Communication Engineering

LEARNING OUTCOMES:

LO1-Helps reach education goals through free expression, debates, cooperation, coordination, etc.
LO2-Developshabitsofconstructivecompetition, improves skills and competence
LO3-Developsasenseofresponsibilityandbelongingness
LO4-Developsdecision-makingskills
LO5-Developsleadership, managerial, and organizing skills
LO6-Creates opportunities to meet with other like-minded students for socialization, self-assessment, and cultural awareness

MAPPINGSWITHPOANDPSO:

LO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
LO-1						3	2	2	3	3		2	2		3
LO-2						3	2	2	3	3		2	2		3
LO-3						3	2	2	3	3		2	2		3
LO-4						3	2	2	3	3		2	2		3
LO-5						3	2	2	3	3		2	2		3
LO-6						3	2	2	3	3		2	2		3

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NOTICE:

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PCE/EC/2023-24/06 Date: 7-12-2023

NOTICE

Department of Electronics and Communication

It is to inform you all that Department of Electronics and Communication Engineering is organize a Workshop **"PCB DESIGNINIG"** on **8 December, 2023**. It is mandatory to attend for second year, third year and final year students.

Time :- 08:00 A.M. to 2:00 P.M.

Venue:- R&D Lab

Dr. Garima Mathur

Head, Department of Electronics and Communication Engineering

CC:

- To All Concerned
- To Department Notice Board

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DESCRIPTION OF THE EVENT:

Designing a Printed Circuit Board (PCB) is a crucial aspect of electronic product development. PCBs serve as the backbone of electronic systems, providing a platform for components to be interconnected and ensuring the proper functioning of the device. Here is a comprehensive report on PCB design, covering key aspects of the process.

Introduction

A. Definition

A PCB is a flat board that supports and connects electronic components using conductive pathways, tracks, or signal traces etched from copper sheets laminated onto a non-conductive substrate.

B. Importance

Efficient PCB design is essential for the optimal performance, reliability, and manufacturability of electronic devices. It influences factors such as signal integrity, electromagnetic interference (EMI), thermal management, and overall system cost.

Key Steps in PCB Design

A. Schematic Design

Component Selection: Choose electronic components based on the project requirements.

Schematic Capture: Create a schematic diagram using specialized software to represent the interconnections between components.

B. Component Placement

Footprint Design: Define the physical dimensions and electrical properties of each component.

Placement Strategy: Optimize the arrangement of components to minimize signal interference, reduce trace lengths, and facilitate efficient routing.

C. Routing

Signal Traces: Route signal traces to connect components while adhering to design rules.

Power and Ground Planes: Implement solid power and ground planes to enhance signal integrity and reduce noise.

Differential Pair Routing: Employ differential pair routing for high-speed signals to maintain signal integrity.

D. Design Validation

Design Rule Checking (DRC): Use DRC tools to ensure the design complies with manufacturing constraints and specifications.

Simulation: Perform simulations (e.g., SPICE simulations) to assess the electrical performance of the circuit.

E. Gerber File Generation

Layer Generation: Create Gerber files to represent different layers of the PCB.

Manufacturing Files: Generate additional files, such as the Bill of Materials (BOM) and assembly drawings.

III. Challenges and Considerations

A. Signal Integrity

Impedance Matching: Ensure impedance matching for high-speed signals.

Crosstalk Mitigation: Implement strategies to minimize crosstalk between adjacent signal traces.

B. Thermal Management

Heat Dissipation: Design the PCB layout to facilitate effective heat dissipation.

Thermal Relief: Use thermal relief pads for components connected to ground planes to prevent heat buildup.

C. EMI/EMC Considerations

Shielding: Incorporate shielding techniques to minimize electromagnetic interference.

Grounding: Implement proper grounding practices to reduce noise and improve EMC performance.

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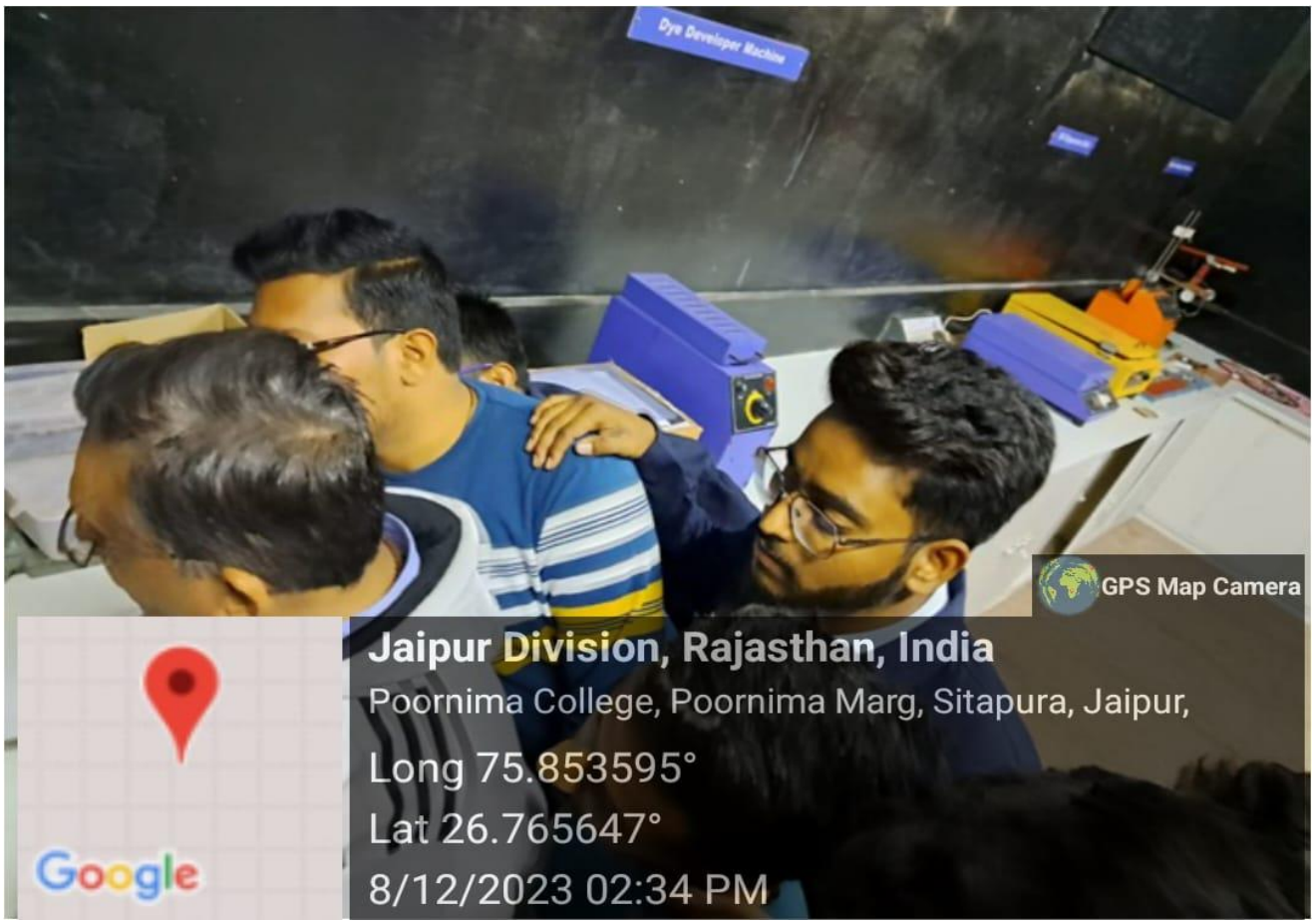

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PARTICIPANTS DETAILS:

Poornima College of Engineering

Department of Electronics & Communication

Session 2023-24

Participant Sheet

Date- 8 December, 2023

EVENT : Workshop on PCB Designing

Sr. No	Name of the Student	Enrolment ID
1	ABHINANDAN BHATT	PCE22EC002
2	ABHISHEK KUMAR	PCE22EC003
3	ADARSH KUMAR SINGH	PCE22EC001
4	ADITYA SOMRA	PCE22EC004
5	ADITYA TOSHNIWAL	PCE22EC005
6	AJAY KUMAR SONI	PCE22EC006
7	ANIL BAIRWA	PCE22EC025
8	CHAUHAN NITIN RAJESH SINGH	PCE22EC026
9	CHIRAG JAIN	PCE22EC007
10	DEEPAK DEWATWAL	PCE22EC008
11	DEV SAINI	PCE22EC009
12	DEVENDRA KUMAR SUTHAR	PCE22EC010
13	DHARMRAJ KUMAR	PCE22EC011
14	DIVYAM SETHI	PCE22EC027
15	GAURAV SHARMA	PCE22EC012
16	GAUTAM SAIN	PCE22EC013
17	HANSIKA SAXENA	PCE22EC014
18	HARDIK AJMERA	PCE22EC015
19	KARTIK JAIN	PCE22EC016
20	KRISHAN KANT JANGID	PCE22EC017
21	KUNAL SUHANSIYA	PCE22EC028
22	LOKESH SINGH	PCE22EC018
23	MADHUSUDHAN SINGH	PCE22EC019
24	MOHD SAHIL KHAN	PCE22EC020
25	MS ANUSHKA CHHIPA	PCE22EC021
26	MS SHRUTI AGARWAL	PCE22EC022
27	MUKUL	PCE22EC023
28	RAJWANT	PCE22EC029
29	SHREYA JAIN	PCE22EC024
30	TUSHAR TAILOR	PCE22EC030
31	VINAY PRATAP SINGH MEENA	PCE22EC031
32	DIVANSH JANGID	PCE23EC800
33	ANSHUL KUMAR JAIN	PCE20EC001

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34	ANUSHKA PATEL	PCE20EC002
35	ASHISH KUMAR .	PCE20EC003
36	BHANU SHARMA	PCE20EC004
37	MEENA ASHWINI SEETARAM	PCE20EC005
38	NIKHIL CHOUHAN	PCE20EC008
39	NISHANT SINGH	PCE20EC702
40	PARIHAR HITESH RAMESH	PCE20EC011
41	SURAJ CHAUHAN	PCE20EC012
42	SUSHANK KUMAR	PCE20EC009
43	TARUN VERMA	PCE20EC010
44	TRIPTI JAIN	PCE20EC006
45	APARNA S KUMAR	PCE21EC800
46	ABHAY KHANDELWAL	PCE21EC001
47	ABHISHEK SINGH RAJAWAT	PCE21EC002
48	AVINASH KUMAR .	PCE21EC003
49	BHAWANA SAHANI	PCE21EC004
50	DEVVRATH SINGH	PCE21EC005
51	HARSH KUMAR	PCE21EC006
52	KAMLESH .KUMAWAT	PCE21EC007
53	KASHMI CHOUDHARY	PCE21EC510
54	LOKESH KUMAR .DHAKER	PCE21EC009
55	LOKESH KUMAWAT	PCE21EC010
56	MD ARIF ALAM	PCE21EC023
57	MOHD DAUD QURESHI	PCE21EC011
58	PRIYANSH BAIRWA	PCE21EC012
59	PRIYANSHU SONI	PCE21EC013
60	RAGINI KUMARI	PCE21EC024
61	RAJEEV KUMAR BAG	PCE21EC014
62	RAJENDRA SOLANKI	PCE21EC015
63	RAMAKANT SHARMA	PCE21EC016
64	SAHIL ARORA	PCE21EC017
65	TAMNNA AMERI	PCE21EC020
66	YASH VARDHAN SINGH SOLANKI	PCE21EC022

ATTENDANCE SHEET

Poornima College of Engineering

Department of Electronics & Communication

Session 2023-24

Attendence Sheet

Date- 8 December, 2023

EVENT : Workshop on PCB Designing

Sr. No	Name of the Student	Enrolment ID	Signature
1	ABHINANDAN BHATT	PCE22EC002	
2	ABHISHEK KUMAR	PCE22EC003	
3	ADARSH KUMAR SINGH	PCE22EC001	
4	ADITYA SOMRA	PCE22EC004	
5	ADITYA TOSHNIWAL	PCE22EC005	
6	AJAY KUMAR SONI	PCE22EC006	
7	ANIL BAIRWA	PCE22EC025	
8	CHAUHAN NITIN RAJESH SINGH	PCE22EC026	
9	CHIRAG JAIN	PCE22EC007	
10	DEEPAK DEWATWAL	PCE22EC008	
11	DEV SAINI	PCE22EC009	
12	DEVENDRA KUMAR SUTHAR	PCE22EC010	
13	DHARMRAJ KUMAR	PCE22EC011	
14	DIVYAM SETHI	PCE22EC027	
15	GAURAV SHARMA	PCE22EC012	
16	GAUTAM SAIN	PCE22EC013	
17	HANSIKA SAXENA	PCE22EC014	
18	HARDIK AJMERA	PCE22EC015	
19	KARTIK JAIN	PCE22EC016	
20	KRISHAN KANT JANGID	PCE22EC017	
21	KUNAL SUHANSIYA	PCE22EC028	
22	LOKESH SINGH	PCE22EC018	
23	MADHUSUDHAN SINGH	PCE22EC019	
24	MOHD SAHIL KHAN	PCE22EC020	
25	MS ANUSHKA CHHIPA	PCE22EC021	
26	MS SHRUTI AGARWAL	PCE22EC022	
27	MUKUL	PCE22EC023	
28	RAJWANT	PCE22EC029	
29	SHREYA JAIN	PCE22EC024	
30	TUSHAR TAILOR	PCE22EC030	
31	VINAY PRATAP SINGH MEENA	PCE22EC031	
32	DIVANSH JANGID	PCE23EC800	
33	ANSHUL KUMAR JAIN	PCE20EC001	
34	ANUSHKA PATEL	PCE20EC002	
35	ASHISH KUMAR .	PCE20EC003	
36	BHANU SHARMA	PCE20EC004	
37	MEENA ASHWINI SEETARAM	PCE20EC005	
38	NIKHIL CHOUHAN	PCE20EC008	
39	NISHANT SINGH	PCE20EC702	

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40	PARIHAR HITESH RAMESH	PCE20EC011	
41	SURAJ CHAUHAN	PCE20EC012	
42	SUSHANK KUMAR	PCE20EC009	
43	TARUN VERMA	PCE20EC010	
44	TRIPTI JAIN	PCE20EC006	
45	APARNA S KUMAR	PCE21EC800	
46	ABHAY KHANDELWAL	PCE21EC001	
47	ABHISHEK SINGH RAJAWAT	PCE21EC002	
48	AVINASH KUMAR .	PCE21EC003	
49	BHAWANA SAHANI	PCE21EC004	
50	DEVVRATH SINGH	PCE21EC005	
51	HARSH KUMAR	PCE21EC006	
52	KAMLESH .KUMAWAT	PCE21EC007	
53	KASHMI CHOUDHARY	PCE21EC510	
54	LOKESH KUMAR .DHAKER	PCE21EC009	
55	LOKESH KUMAWAT	PCE21EC010	
56	MD ARIF ALAM	PCE21EC023	
57	MOHD DAUD QURESHI	PCE21EC011	
58	PRIYANSH BAIRWA	PCE21EC012	
59	PRIYANSHU SONI	PCE21EC013	
60	RAGINI KUMARI	PCE21EC024	
61	RAJEEV KUMAR BAG	PCE21EC014	
62	RAJENDRA SOLANKI	PCE21EC015	
63	RAMAKANT SHARMA	PCE21EC016	
64	SAHIL ARORA	PCE21EC017	
65	TAMNNA AMERI	PCE21EC020	
66	YASH VARDHAN SINGH SOLANKI	PCE21EC022	

Dr. Payal Bansal
Name & Signature
Event Coordinatore

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FEEDBACK:

Content of the workshop is rated as:

- Excellent by 94.58%of participants
- Good by 6.19% of participants

Management/ Administration of the workshop is rated as:

- Excellent by 96.48% of participants
- Good by 3.52% of participants

Overall Workshop is rated as:

- Excellent by 95.58% of participants
- Good by 4.42% of participants

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A REPORT ON ONE DAY WORKSHOP TO COMMEMORATE WORLD STANDARDS DAY-2023 AS MANAK MAHOTSAV

TITLE AND DURATION: One Day Workshop to **"commemorate World Standards Day-2023 as MANAK MAHOTSAV"** on October 12, 2023.

ORGANIZER(S): Department of Mechanical, Poornima College of Engineering, Jaipur.

FLYER / POSTER:

Dr. Mahesh Bundele
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One Day Workshop to Commemorate World Standards Day as Manak Mahotsav (October 12-16, 2023)

Technically & Financially Sponsored by: **Bureau of Indian Standards, Jaipur**

Inaugural Ceremony

Thursday, October 12, 2023, **Venue:** 2005, PCE **Time**: 9:00 AM to 2.30 PM

S.N.	Activity	Duration	Time
1.	Registration of the Participants	35 Min	09:00-09:35 am
2.	Gathering of Audience at 2005, PCE	15 Min	09:35-09:50 am
3.	**Arrival of Guests**	10 Min	09:50-10:00 am
4.	**Welcome of Dignitaries & Lighting of Lamp** A. **Smt. Kanika Kalia, Director& Head,** Bureau of Indian Standards, Jaipur- **Chief Guest** B. **Dr. Kashinath Samgandi**, Associate Professor, National Institute of Ayurveda, Jaipur- **Guest of Honour** C. **Dr. H. K. Singh**, Deputy Manager, Design2occupany-**Guest of Honour** D. **Dr. Mahesh Bundele,** Director & Principal, Poornima College of Engineering, Jaipur E. **Dr. Pankaj Dhemla**, Vice-Principal, Poornima College of Engineering, Jaipur F. **Dr. Narayan Lal Jain**, Professor & HoD, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur G. **Dr. Surendra Kumar Saini**, Mentor & Coordinator of Standards Club, & Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.	05 Min	10:00-10:05 am
5.	**Sarsawati Vandana and BIS Manak Geet by audio play**	05 Min	10:00-10:05 am

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6.	**Invite Guest on Dias for Felicitation** A. **Felicitation of Chief Guest - Smt. Kanika Kalia, Director& Head**, Bureau of Indian Standards, Jaipur by **Dr. Mahesh Bundele,** Director & Principal, Poornima College of Engineering, Jaipur. B. **Felicitation of Guest of Honour - Dr. Kashinath Samgandi**, Associate Professor, National Institute of Ayurveda by **Dr. Pankaj Dhemla** Vice-Principal, Poornima College of Engineering, Jaipur C. **Felicitation of Guest of Honour - Dr. H. K. Singh**, Deputy Manager, Design2occupany by **Dr. Surendra Kumar Saini**, Mentor & Coordinator, Standards Club, Poornima College of Engineering, Jaipur.	15 Min	10:05-10:20 am
7.	**Introduction to the Workshop** by **Dr. Surendra Kumar Saini**, Mentor & Coordinator of Standards Club, & Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur	02 Min	10:20-10:22 am
8.	Welcome address by **Dr. Mahesh Bundele**, Director & Principal, Poornima College of Engineering, Jaipur	03 Min	10:22-10:25 am
9.	Introduction & Words of Wisdom by **Smt. Kanika Kalia, Director& Head,** Bureau of Indian Standards **Jaipur-Chief Guest.**	02 Min	10:25-10:27 am
10.	Group Photograph- at PCE Garden Area	03 Min	10:27-10:30 am
11.	**Session on** Unlocking Optimal Health: The Ayurevedic Way of Living by **Dr. Kashinath Samgandi**, Associate Professor, National Institute of Ayurveda, Jaipur	60 Min	10:30-11:30 am
12.	**Refreshment**	20 Min	11:30-11:50 am
13.	**Quiz**	25 Min	11:50-12:15 pm
14.	**Session on** Standardized Technique for Decarbonizing Buildings by **Dr. H. K. Singh**, Deputy Manager, Design2occupany	60 Min	12:15-1:15 pm
15.	**Session on** Standards: Hindsight to Foresight by **Dr. Surendra Kumar Saini**, Mentor & Coordinator of Standards Club, & Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.	45 Min	1:15-02:00 pm
16.	**Results of Quiz & Prize Distribution**	25 Min	02:00-02:25 pm
17.	Vote of Thanks by **Dr. Narayan Lal Jain**, Professor & Head, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.	05 Min	02:25-02:30 pm

BRIEF OF THE SESSION:

Session was started with the Arrival of Guests. Dr. Surendra Kumar Saini, Mentor & Coordinator of Standards Club, & Associate Professor, Department of Mechanical Engineering welcome the guest. Dr. Surendra Kumar Saini, Mentor & Coordinator of Standards Club, & Associate Professor, Department of Mechanical Engineering explained about the standard and

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its purpose, he explained A standard is a document, established by consensus and approved by a recognized body, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context (see ISO Guide 2). Standard can be a product specification, a code of practice, a terminology standard, a process specification, a service specification, a test method, system specification, dimensions, etc (see ISO/IEC Guide 2).

NOTE – Standards should be based on the consolidated results of science, technology and experience, and aimed at the promotion of optimum community benefits. A Standard is a document setting out good practices established by consensus subject to public consultation and approved by a national committee. Rule 15 of BIS Rules, 2018 dwells on the establishment of Indian Standards in relation to any goods, article, process, system or service by the Bureau and in regard to their reaffirmation, amendment, revision and withdrawal by a process of consultation with stakeholders. The Rule also requires the Central Government or the concerned regulator to be consulted, in case a standard is being established at their request. Purpose of Standards Standards can (a) create an enabling framework - for attaining efficiency in processes, Dissemination of technologies and achieving economies of scale; (b) enhance consumer protection and consumer confidence and thereby enable in market access; (c) facilitate trade by reducing technical barriers; and (d) support public policy objectives and provide suitable alternatives to support regulations.

Standards aim to achieve the following:

a) Defining requisite levels of quality,

b) Ensuring safety and optimize human effort,

c) Rationalization of use of resources,

d) Convenience of use,

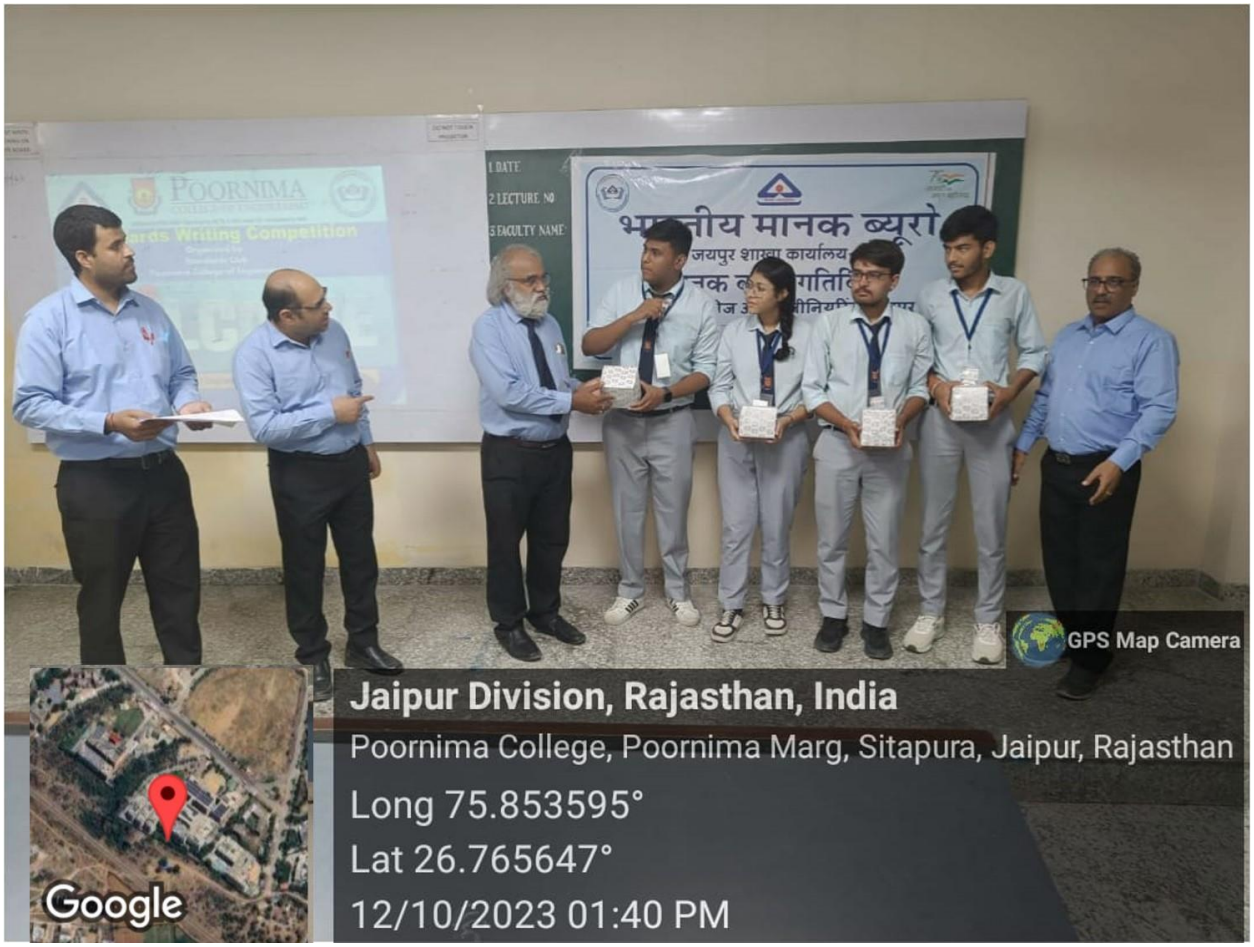
e) Adoption of best possible solutions to recurring problems,

f) Variety control,

g) Interchangeability and interoperability, and

h) Optimum cost.

GLIMPSES:



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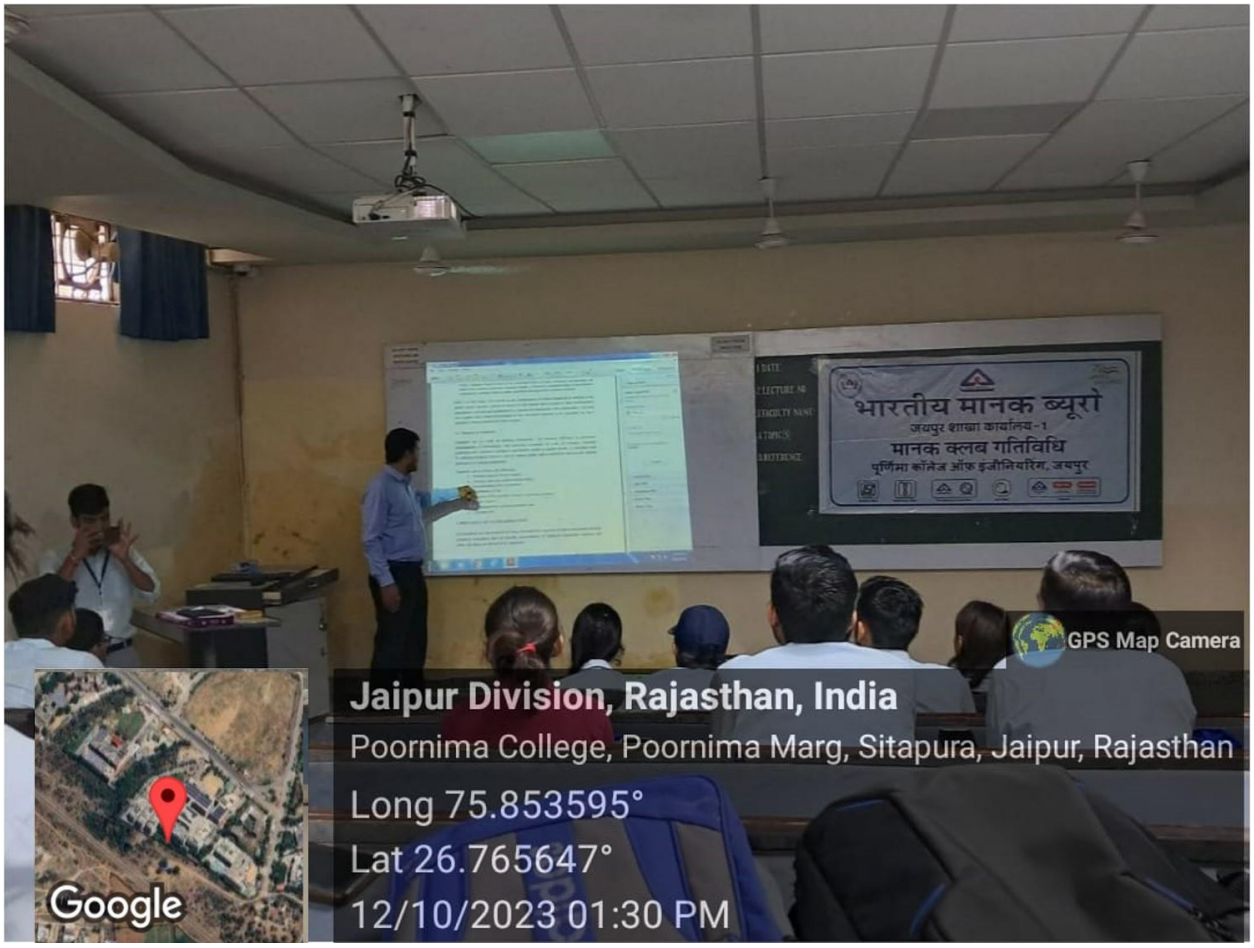

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प्रमाण पत्र / Certificate

यह प्रमाणित किया जाता है कि छात्र/छात्रा रमन यादव

कक्षा 3rd वर्ष विद्यालय पूर्णिमा कॉलेज ऑफ इंजीनियरिंग, जयपुर

ने भारतीय मानक ब्यूरो द्वारा दिनांक 22 सितम्बर 2023 को आयोजित मानक लेखन

प्रतियोगिता में प्रथम (1st) स्थान प्राप्त किया और हम उनके उज्जवल भविष्य की कामना करते हैं।

स्टेन्डर्ड क्लब मेंटर/ Standards Club Mentor

निदेशक एवं प्रमुख (Director & Head)

भारतीय मानक ब्यूरो/Bureau of Indian Standards

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार

Ministry of Consumer Affairs, Food & Public Distribution, Government of India

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कक्षा 3rd वर्ष विद्यालय कॉलेज: पूर्णिमा कॉलेज ऑफ इंजीनियरिंग, जयपुर

ने भारतीय मानक ब्यूरो द्वारा दिनांक 22 सितम्बर 2023 को आयोजित मानक लेखन

प्रतियोगिता में तृतीय (III) स्थान प्राप्त किया और हम उनके उज्जवल भविष्य की कामना करते हैं।

स्टेन्डर्ड क्लब मेंटर/ Standards Club Mentor

निदेशक एवं प्रमुख (Director & Head)

भारतीय मानक ब्यूरो/Bureau of Indian Standards

उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार

Ministry of Consumer Affairs, Food & Public Distribution, Government of India

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मानक पथप्रदर्शक

सत्यमेव जयते

प्रमाण पत्र / Certificate

यह प्रमाणित किया जाता है कि छात्र/छात्रा आदर्श कुमार रूपा

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ने भारतीय मानक ब्यूरो द्वारा दिनांक 22 सितम्बर 2023 को आयोजित मानक लेखन

प्रतियोगिता में प्रथम (1st) स्थान प्राप्त किया और हम उनके उज्जवल भविष्य की कामना करते हैं।

स्टेन्डर्ड क्लब मेंटर/ Standards Club Mentor

निदेशक एवं प्रमुख (Director & Head)

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उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार

Ministry of Consumer Affairs, Food & Public Distribution, Government of India

POORNIMA COLLEGE OF ENGINEERING

Standards Writing Competition

Organized by Standards Club

Poornima College of Engineering

Friday, 22 September 2023

Participant

Name: Adarsh Kumar Jha

Dr. Mahesh Bundele
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Director
Poornima College of Engineering
181-B, RIICO Institutional Area
Sitapura, JAIPUR

LIST OF PARTICIPANTS & ATTANDANCE:

SN	Participant Name	BRANCH	ID	Signature
1	SACHIN YADAV	ME	PCE20ME013	
2	Vishad Jaiswala	ME	PCE20ME017	
3	Kaushik Bahati	ME	PCE20ME400	
4	Anmol Jain	M.E	PCE20ME003	
5	Harshit Sarraf	ME	PCE20ME414	
6	Gaurav Singh	ME	PCE20ME703	
7	Puneet Kumar	IT	PCE20IT035	
8	Bhanu Sharma	EC	PCE20EC004	
9	Hitesh Parihar	EC	PCE20EC011	
10	Priyanshu Sharma	EE	PCE21EE015	
11	Anuj Yadav	EE	PCE21EE002	
12	Pankaj Bijarniya	EE	PCE21EE014	
13	Yogendra Yadav	EE	PCE21EE026	
14	Dulal Malapatra	EE	PCE21EE006	
15	Kunal Sain	EE	PCE20EE008	
16	Nishant Verma	EE	PCE20EE012	
17	Priyanshi Mittal	EE	PCE20EE013	
18	Sapna Kumari	EE	PCE20EE016	
19	Lalit Yadav	EE	PCE20EE009	
20	Ankit maretha	EE	PCE20EE003	
21	Bhanu Pratap	ME	PCE21ME002	
22	Raju Kumar	ME	PCE21ME013	
23	Robin Singh	ME	PCE21ME015	
24	Anjum Choudhary	EE	PCE21EE004	
25	Shubham Kumar Yogi	EE	PCE21EE023	
26	Himanshu Nand	EE	PCE21EE008	
27	Amit kumar gupta	EE	PCE21EE003	
28	Naman Jain	CS	PCE21CS111	
29	Pratishtha sharma	CS	PCE21CS124	
30	Kautika chawla	EE	PCE21EE010	

FEEDBACK ANALYSIS:

SESSION FEEDBACK ANALYSIS			
Sr.no.	**Attributes**	**Total Feed Back**	**Total Feed Back- 19**
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement

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1	Do you think session was useful for you?	19	Yes	No	Partial	---	---	Remark
			17	0	2	0	0	Objective Achieved (89.47%)
			89.47	0.00	10.53	0.00	0.00	
2	Did you receive all the information you expected by the session?	19	Yes	No	Partial	---	---	Remark
			18	0	1	0	0	Objective Achieved (94.74%)
			94.74	0.00	5.26	0.00	0.00	
3	Opinion on Rating the speaker for the session	19	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			18	1	0	0	0	Objective Achieved - Outstanding & Excellent (94.74%)
			94.74	5.26	0.00	0.00	0.00	
4	Audience Query Response by the Speaker	19	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			18	1	0	0	0	Objective Achieved (94.74%)
			94.74	5.26	0.00	0.00	0.00	
5	Overall experience about the Session	19	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			19	0	0	0	0	Objective Achieved - Outstanding (100%)
			100.00	0.00	0.00	0.00	0.00	
6	Would you like to attend future Alumni Session conducted by the department?	19	Yes	No	---	---	---	Remark
			19	0	0	0	0	Objective Achieved (100%)
			100.00	0.00	0.00	0.00	0.00	

Notice

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PCE/ME/DO/2023-24/18 **Date: 08-10-2023**

NOTICE

"One Day Workshop to Commemorating International Standards Day as MANAK MAHOTSAV" is being organized by the Department of Mechanical Engineering on **12-10-2023**. The activity will be held at as per the following schedule.

Date : 12-10-2023
Activity Name : One Day Workshop to Commemorating International Standards Day as MANAK MAHOTSAV
Venue : 1B -05
Time : 9AM onwards

The students are required to be present at the venue on time. For further query you may contact the Faculty Coordinator Dr. Surendra Kumar Saini.

Dr. N. L. Jain
HoD, ME

ISI-6, RIICO Institutional Area, Sitapura, Jaipur: 302 022 (Rajasthan)
Phone: +91-9829255102, E-mail: registrar.pce@poornima.org, Website: www.poornima.org

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A REPORT ON i3 Day Activity

TITLE AND DURATION: i3 Training on **"Advance Manufacturing"** on NOVEMBER 1-7, 2023.

ORGANIZER(S): Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.

EXPECTED OUTCOMES:

Activity-1.1	Student will be able to enhance the knowledge of advance manufacturing.
Activity-1.2	Student will be able to recognize the Working Scenario for Mechanical Engineers in manufacturing.
Activity-1.3	Student will be able to analyse the working in the field of manufacturing as a Mechanical Engineer.

MAPPINGS WITH PO&PSO:

CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	3	-	-	-	-	-	-	2	3	2
CO2	-	-	-	-	-	-	-	-	3	-	-	-	2	3	2
CO3	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2

FLYER / POSTER:

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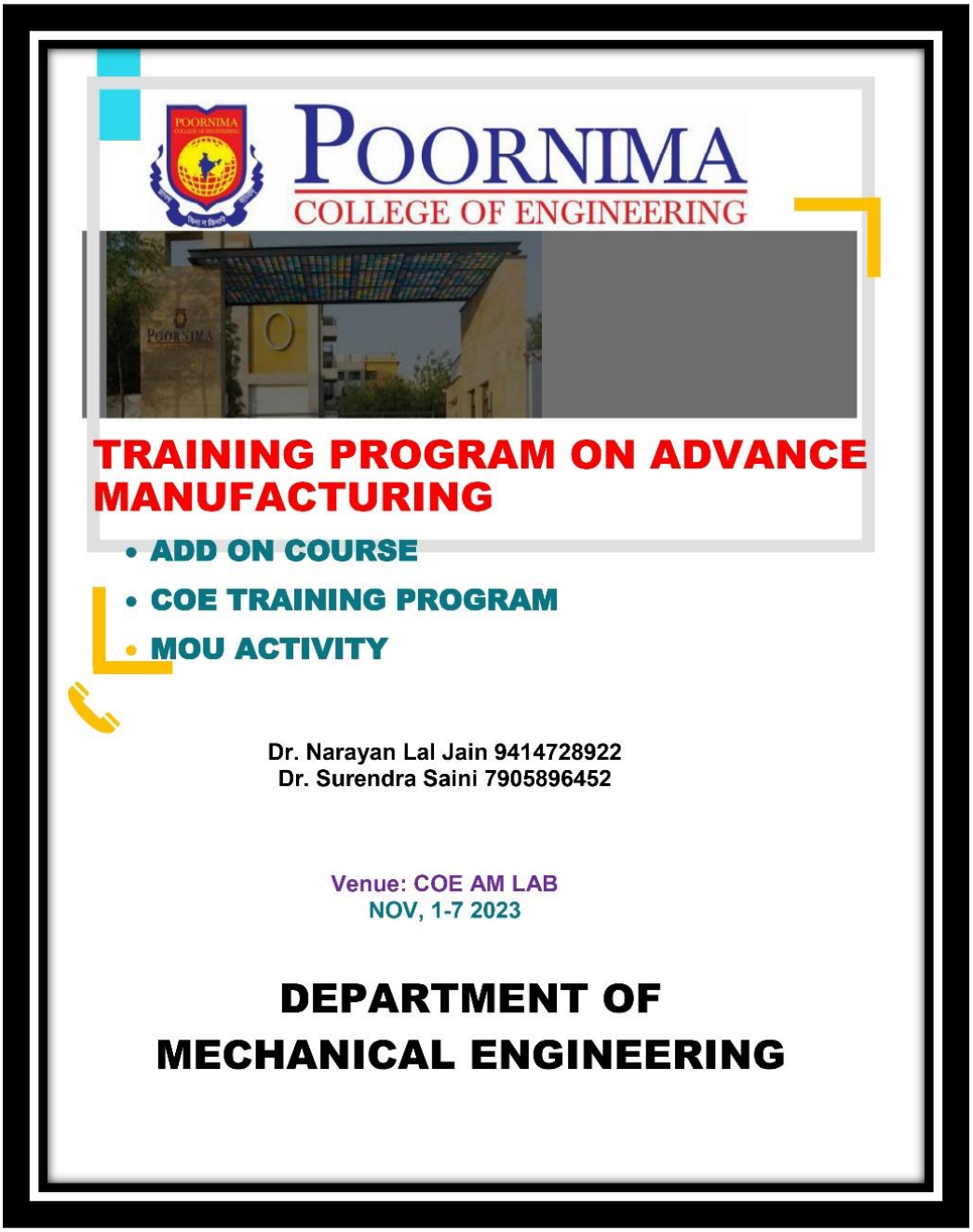

BRIEF INTRODUCTION ABOUT THE PROGRAM:

The training program on Advance Manufacturing was conducted in Mechanical Department, Poornima College of engineering on 1 November, 2023.

The session started on 8:30 am. This training session was conducted for 3rd year students of B.Tech. Students. All the students actively participated in the training session. Session was very

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useful for students. It helps Student to develop knowledge towards designing and printing using in 3d software and machine respectively.

OBJECTIVE OF THE SESSION:

- To learn about the basics of 3D printing.
- To explore the MAYA software for 3D printing application.

BRIEF OF THE SESSION:

From this training session Student learned about the basics of 3d printing, it's uses in the industrial world. The basics about Maya software has been covered that is mostly used for designing and animation.

Three-dimensional (3D) printing is an additive manufacturing process that creates a physical object from a digital design. The process works by laying down thin layers of material in the form of liquid or powdered plastic, metal or cement, and then fusing the layers together.

- Three-dimensional (3D) printing is an additive manufacturing process in which a physical object is created from a digital design by printing thin layers of material and then fusing them together.
- Some industries, such as hearing aids manufacturers, airline manufacturers, and car manufacturers, use 3D printing to create prototypes and mass produce their products using custom scans.
- While it is currently too slow to be used in mass production, 3D printing technology is still evolving and has the potential to massively disrupt both the manufacturing logistics and inventory management industries.

Since it was introduced, 3D printing technology has already increased manufacturing productivity. In the long-term, it has the potential to massively disrupt both the manufacturing, logistics, and inventory management industries, especially if it can be successfully incorporated into mass production processes.

Currently, 3D printing speeds are too slow to be used in mass production. However, the technology has been used to reduce the lead time in the development of prototypes of parts and devices, and the tooling needed to make them. This is hugely beneficial to small-scale manufacturers because it reduces their costs and the time to market, that is, the amount of time from a product being conceived until its being available for sale.

3D printing can create intricate and complex shapes using less material than subtractive manufacturing processes, such as drilling, injection moulding, and other processes.

Industrial Uses

Car and aircraft manufacturers have taken the lead in 3D manufacturing, using the technology to transform unibody and fuselage design and production, and powertrain design and production. Boeing is using 3D-printed titanium parts in the construction of its 787 Dreamliner airliner.1 In 2017, General Electric created a helicopter engine with 16 parts instead of 900–an indication of how big an impact 3D printing could potentially have on supply chains.

In medical sciences, 3D printing is being used to customize implants. In the future, organs and body parts may be created using 3D printing techniques. In the fashion world, Nike, Adidas, and New Balance are using 3D printing to create their shoes.345 In the construction industry, companies around the world are making breakthroughs in 3D printing of the materials need to build homes. Using layers of concrete, homes can be built in 24 hours, which are stronger than regular cinder blocks and cost a fraction of the price.

In the manufacturing of hearing aids, 3D printing is now customary. The use of 3D printing accelerates the process of manufacturing and enables manufacturers to make custom hearing aids. Audiologists can use 3D scanners to create a custom prototype using reference points from the scan. Manufacturers can feed the scan into a 3D printing machine and after fine-tuning the materials and the ear shapes, print the entire hearing aids.

Types of 3d printing

There are several types of 3D printing, which include:

- Stereo lithography (SLA)
- Selective Laser Sintering (SLS)
- Fused Deposition Modelling (FDM)
- Digital Light Process (DLP)
- Multi Jet Fusion (MJF)
- PolyJet.
- Direct Metal Laser Sintering (DMLS)
- Electron Beam Melting (EBM)

About Maya Software?

Maya is an application used to generate 3D assets for use in film, television, games, and commercials.

Maya was originally an animation product based on code from The Advanced Visualizer by Wave front Technologies, Thomson Digital Image (TDI) Explore, Power Animator by Alias, and Alias Sketch! The IRIX-based projects were combined and animation features were added; the project codename was Maya. Walt Disney Feature Animation collaborated closely with Maya's development during its production of Dinosaur. Disney requested that the user interface of the application be customizable to allow for a personalized workflow. This was a particular influence in the open architecture of Maya, and partly responsible for its popularity in the animation industry. After Silicon Graphics Inc. acquired both Alias and Wave front Technologies, Inc., Wave front's technology (then under development) was merged into Maya. SGI's acquisition was a response to Microsoft Corporation acquiring Softimage 3D. The new wholly owned subsidiary was named "Alias Wave front".

In the early days of development Maya started with Tcl as the scripting language, in order to leverage its similarity to a Unix shell language, but after the merger with Wave front it was replaced with Maya Embedded Language (MEL). Sophia, the scripting language in Wave front's Dynamiting , was chosen as the basis of MEL.

Overview

Maya is an application used to generate 3D assets for use in film, television, games, and commercials. The software was initially released for the IRIX operating system. However, this support was discontinued in August 2006 after the release of version 6.5. Maya was available in both "Complete" and "Unlimited" editions until August 2008, when it was turned into a single suite.[13sers define a virtual workspace (scene) to implement and edit media of a particular project. Scenes can be saved in a variety of formats, the default being. mb (Maya D). Maya exposes a node graph architecture. Scene elements are node-based, each node having its own attributes and customization. As a result, the visual representation of a scene is based entirely on a network of interconnecting nodes, depending on each other's information. For the convenience of viewing these networks, there is a dependency and a directed acyclic graph. Nowadays, the 3D models can be imported to game engines such as Unreal Engine and Unity.

Industry usage

The widespread use of Maya in the film industry is usually associated with its development on the film Dinosaur, released by Disney and The Secret Lab on May 19, 2000. In 2003, when the company received an Academy Award for Technical Achievement, it was noted to be used in films such as The Lord of the Rings: The Two Towers, Spider-Man (2002), Ice Age. By 201[illegible], Vent[illegible]

Beat Magazine stated that all ten films in consideration for the Best Visual Effects Academy Award had used Autodesk Maya and that it had been "used on every winning film since 1997."

Second days of Training was started with the introduction of CNC part programming and G & M codes. CNC part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions including spindle, coolant, and rotation. The instructions may include numbers, letters, and symbols arranged in functional format blocks. CNC part programming uses a program input device such as a keyboard, diskette drivers, pouched tape reader or serial ports among others. The program describes work that should be done on a part in the format required by CNC software. Programming is the point at which all the machining data is compiled and translated so that the control system can understand and implement the instructions.

Machining data can be employed as; Machine sequence process, from tool start up to cutting depth, and tool path among others. Cutting conditions, feed rate, spindle speed, coolant, among others. Selection of cutting tools.

G and M codes are required for CNC machining. However, what is the exact function of the two CNC letters program? How do they control CNC machines? This section will answer these questions and also highlight the differences between both codes.

G code (also RS-274D) is the most popular CNC programming language. Most G code commands are in alphanumeric format and start with G which stands for geometry. G-code is responsible for the movements of CNC machines, telling the machine where to start, how to move, and when to stop when fabricating a part.

However, G code programming can be quite complicated for machinists because different machines read G codes in different formats. Most machines' difference is in the presence or absence of spaces between commands and in the number of zeros between the letter and number in the commands. For example, a machine might use G3 while another uses G03. Machinists must always be conversant with the type of machine they're using. Otherwise, errors in the command can lead to serious problems in parts production.

M code also begins with the letter 'M.' the M code is a set of auxiliary commands that control all the machine's non-geometric actions. Machinists refer to the code as miscellaneous codes as it controls non-cutting actions such as stopping programs, flooding the machine with coolants, and shutting it off after the temperature drops. When setting up the CNC letters program using G and M codes, the M code should only have one command per block of information. This is beca...

they mainly turn the machine on and off. Therefore, using them multiple times in one block could cause program problems. Students were learned to write programming and individual students wrote programming for turning operation.

Fourth days of Training was started with the introduction of 3D part programming and G & M codes. 3D part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions. 3D part programming and designing uses a program input device such as a keyboard, diskette drivers, pouched tape reader or serial ports among others. The program describes work that should be done on a part in the format required by 3D printing Machine. Programming is the point at which all the machining data is compiled and translated so that the control system can understand and implement the instructions. Students found the workshop very useful. It helps students to develop their knowledge towards designing in 3d software. From this training session I learned the basics about 3d printing, its uses in the industrial world.

Industrial Uses

Car and aircraft manufacturers have taken the lead in 3D manufacturing, using the technology to transform unibody and fuselage design and production, and powertrain design and production. Boeing is using 3D-printed titanium parts in the construction of its 787 Dreamliner airliner.1 In 2017, General Electric created a helicopter engine with 16 parts instead of 900–an indication of how big an impact 3D printing could potentially have on supply chains. In medical sciences, 3D printing is being used to customize implants. In the future, organs and body parts may be created using 3D printing techniques. In the fashion world, Nike, Adidas, and New Balance are using 3D printing to create their shoes.345 In the construction industry, companies around the world are making breakthroughs in 3D printing of the materials need to build homes. Using layers of concrete, homes can be built in 24 hours, which are stronger than regular cinder blocks and cost a fraction of the price. In the manufacturing of hearing aids, 3D printing is now customary. The use of 3D printing accelerates the process of manufacturing and enables manufacturers to make custom hearing aids. Audiologists can use 3D scanners to create a custom prototype using reference points from the scan. Manufacturers can feed the scan into a 3D printing machine and after fine-tuning the materials and the ear shapes, print the entire hearing aids.

G-code

G-code is a language that humans use to tell a machine how to do something. With 3D printing, G-code contains commands to move parts within the printer. G-code (also RS-274) is the m

widely used computer numerical control (CNC) and 3D printing programming language. It is used mainly in computer-aided manufacturing to control automated machine tools, as well as for 3D-printer slicer applications. The G stands for geometry.

STL file

STL is a file format commonly used for 3D printing and computer-aided design (CAD). The name STL is an acronym that stands for stereo lithography — a popular 3D printing technology. You might also hear it referred to as Standard Triangle Language or Standard Tessellation Language.

Fifth Day of Training (November 6, 2023)

Fifth days of Training was started with the 3D Printing of parts which is developed by part programming and G & M codes. 3D part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions. 3D part programming and designing uses a program input device such as a keyboard, diskette drivers, pouched tape reader or serial ports among others. The program describes work that should be done on a part in the format required by 3D printing Machine. Programming is the point at which all the machining data is compiled and translated so that the control system can understand and implement the instructions. Students found the workshop very useful. It helps students to develop their knowledge towards designing in 3d software. From this training session I learned the basics about 3d printing, its uses in the industrial world. Sixth Day of Training (November 7, 2023)

Sixth days of Training was started with the 3D Printing of parts which is developed by part programming and G & M codes. 3D part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions. 3D part programming and designing uses a program input device such as a keyboard, diskette drivers, pouched tape reader or serial ports among others.

GLIMPSES:

DAY 1:

Dr. Mahesh Bundele
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Director
Poornima College of Engineering
181-B, RIICO Institutional Area
Sitapura, JAIPUR

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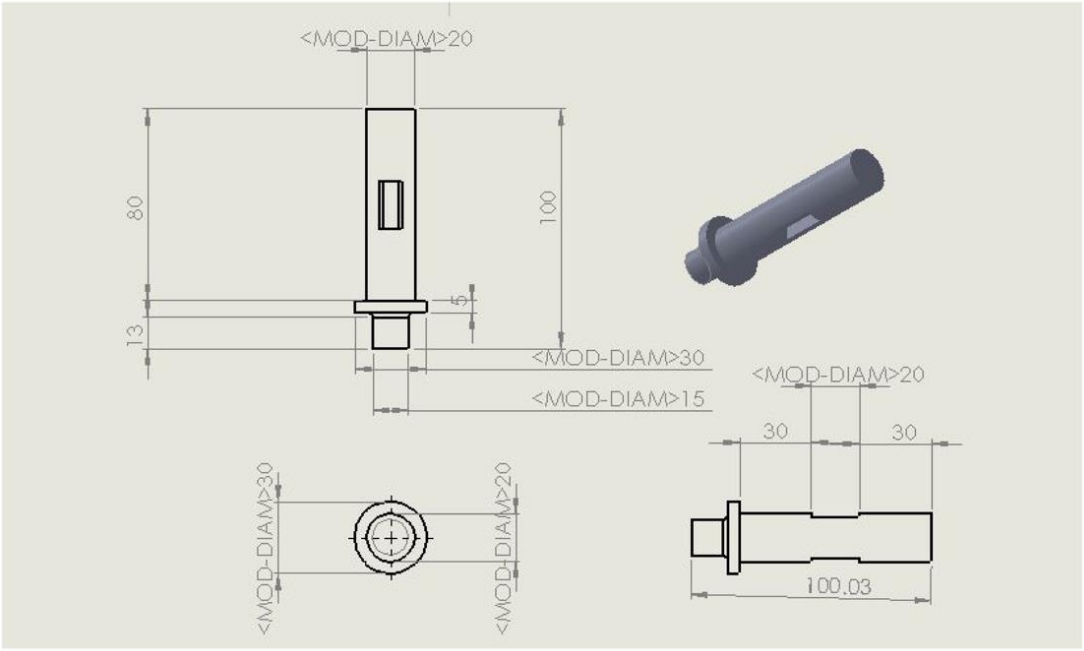
Product Designed



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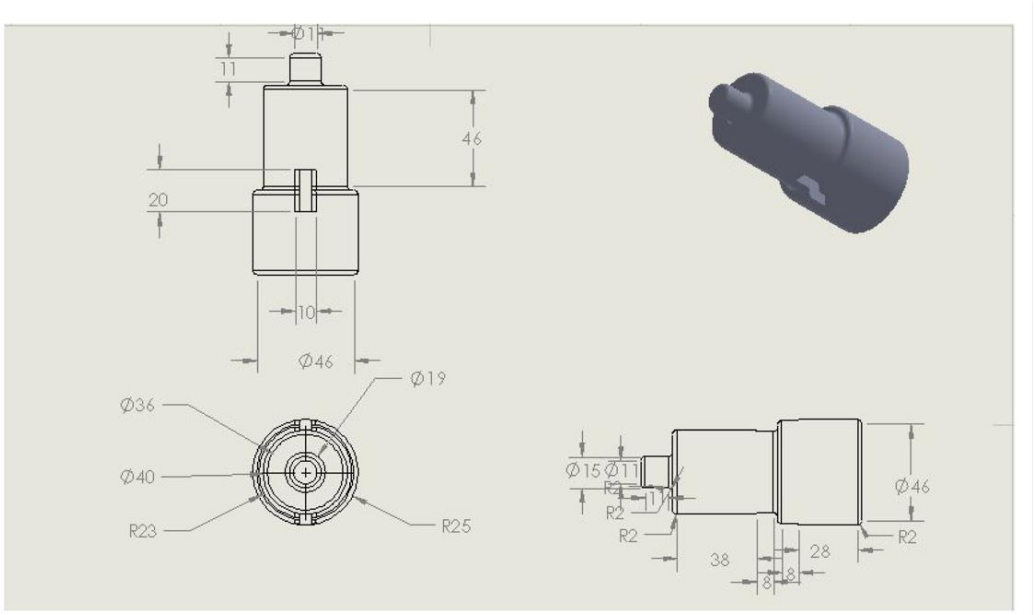

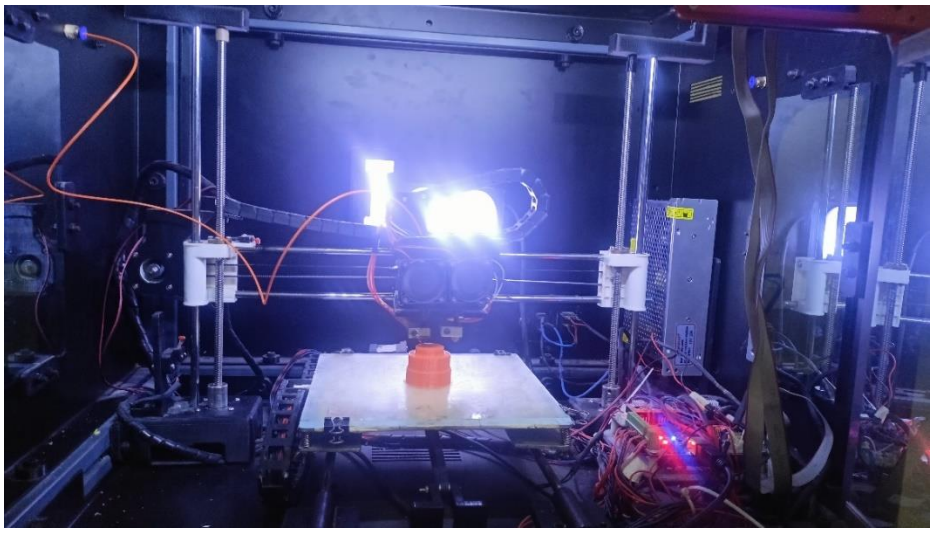

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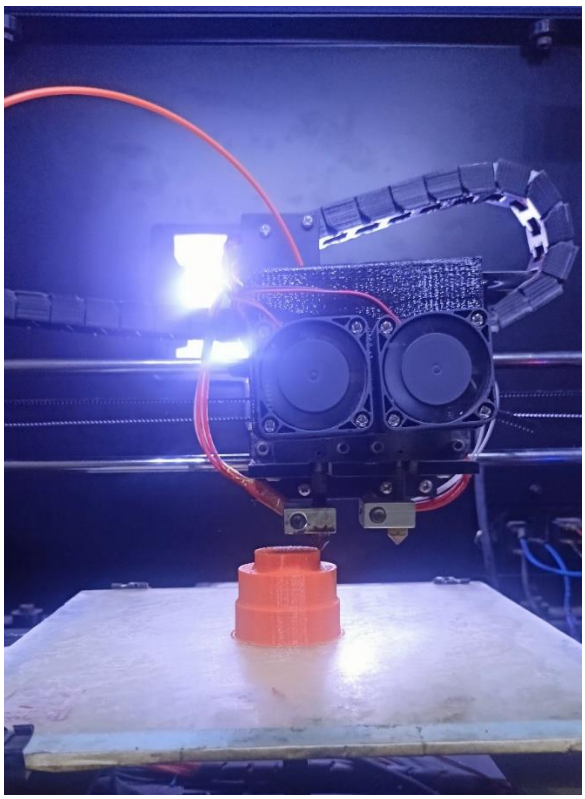

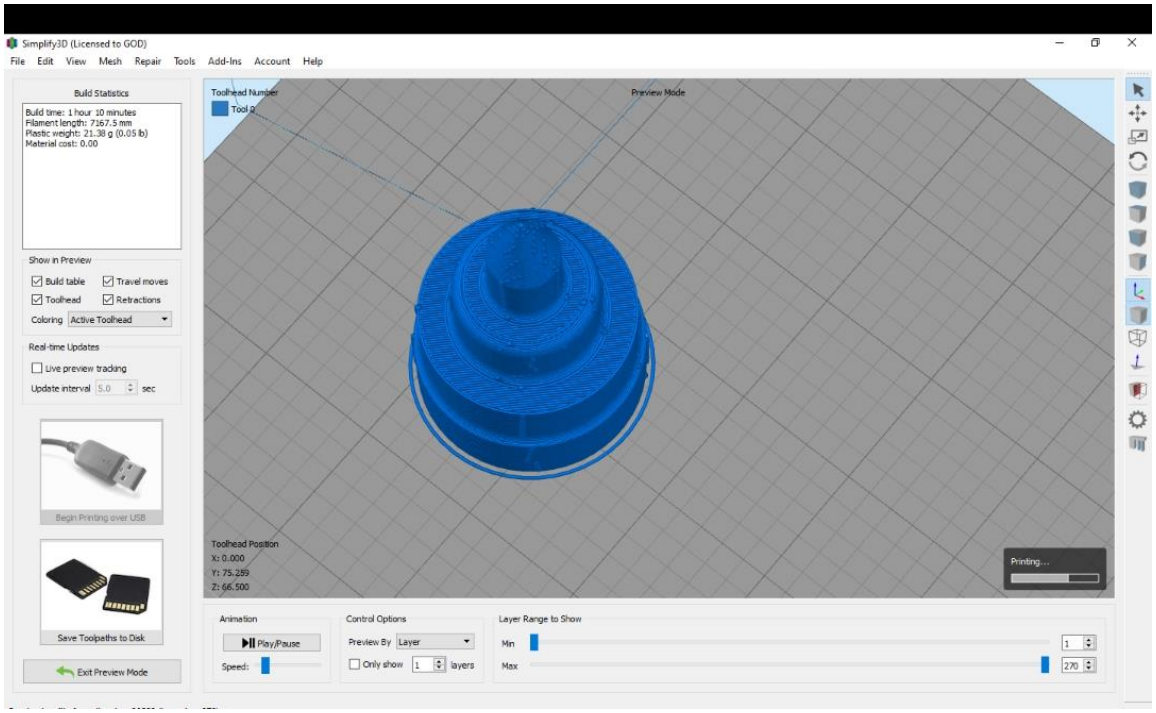

III Year ME Students NSP Project on CNC Machine

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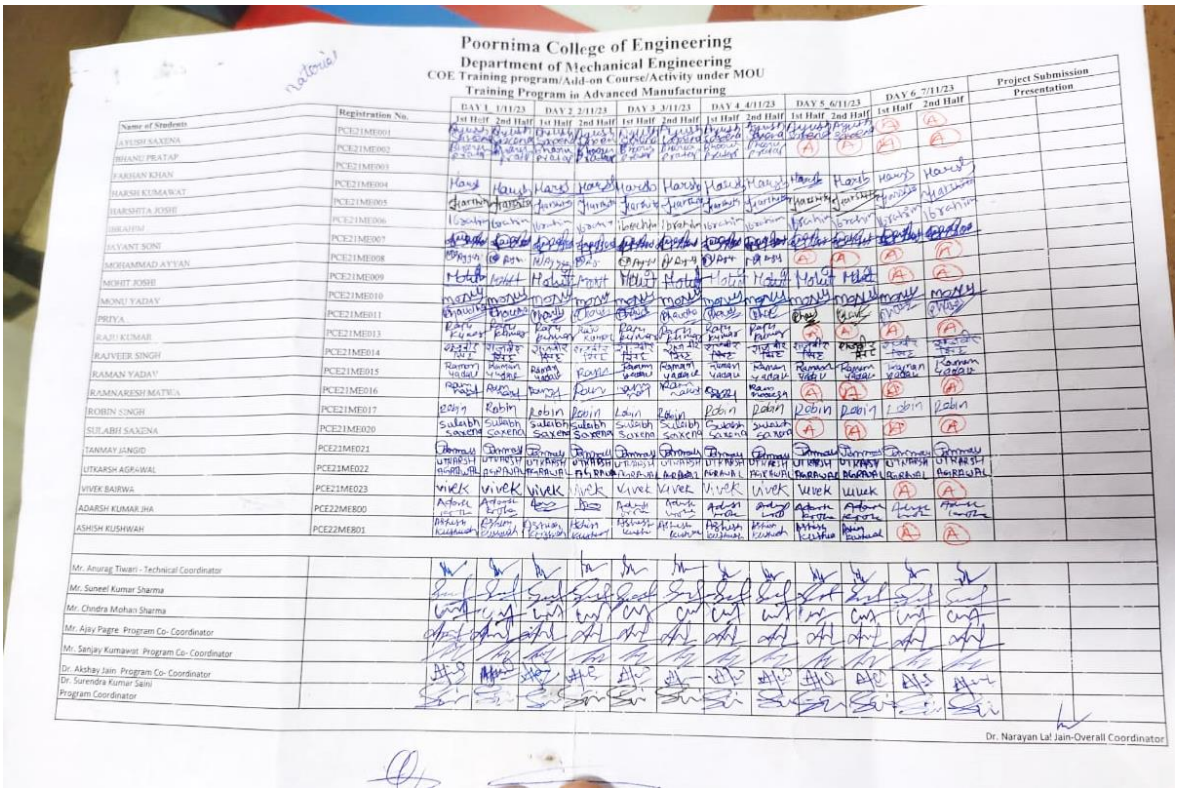
S No.	Student Name	Registration No.	Group No.	Project Title on CNC Machine
1	Harshita Joshi	PCE21ME005	G1	Chamfering and TaperTurning Operation on Workpiece
2	Rajveer Singh	PCE21ME014	G1	Chamfering and TaperTurning Operation on Workpiece
3	Ramnaresh Matwa	PCE21ME016	G10	Chamfering and turining Operation on Workpiece
4	Sulabh Saxena	PCE21ME020	G10	Chamfering and turining Operation on Workpiece
5	Adarsh	PCE22ME800	G11	Step Turning on Workpiece
6	Ashish	PCE22ME801	G11	Step Turning on Workpiece
7	Raman	PCE21ME015	G2	Chamfering Operation on Workpiece
8	Vivek	PCE21ME023	G2	Chamfering Operation on Workpiece
9	Priya	PCE21ME011	G3	Taper turning operation on workipiece
10	Robin Singh	PCE21ME017	G3	Taper turning operation on workipiece
11	Tanmay Jangid	PCE21ME021	G4	Step Turning on Workpiece
12	Harsh Kumawat	PCE21ME004	G5	Fillet operation on Turning workpiece
13	Uttkarsh	PCE21ME022	G5	Fillet operation on Turning workpiece
14	Ibrahim	PCE21ME006	G6	Chamfering operation on Turning workpiece
15	Mo. Ayyan	PCE21ME008	G6	Chamfering operation on Turning workpiece
16	Jayant	PCE21ME007	G7	Chamfering and Turning Operation on Workpiece
17	Mohit Joshi	PCE21ME009	G7	Chamfering and Turning Operation on Workpiece
18	Bhanu Pratap	PCE21ME002	G8	Fillet and chamfering operation on Turning workpiece
19	Monu	PCE21ME010	G8	Fillet and chamfering operation on Turning workpiece
20	Aayush	PCE21ME001	G9	Chamfering fillet and taper turning on pointed workpiece
21	Raju Kumar	PCE21ME013	G9	Chamfering fillet and taper turning on pointed workpiece

III Year ME Students NSP Project on 3 D Printing Machine

S No.	Student Name	Registration No.	Group No.	Project Title on 3D Printing Machine
1	Harsh Kumawat	PCE21ME004	G1	CNC Turning Workpiece Printing

2	Adarsh	PCE22ME800	G1	CNC Turning Workpiece Printing
3	Uttkarsh	PCE21ME022	G1	CNC Turning Workpiece Printing
4	Ashish	PCE22ME801	G2	Robotic Arm Design & Printing
5	Raman	PCE21ME015	G2	Robotic Arm Design & Printing
6	Vivek	PCE21ME023	G2	Robotic Arm Design & Printing
7	Monu	PCE21ME010	G2	Robotic Arm Design & Printing
8	Ibrahim	PCE21ME006	G3	Gear Box Design & Printing
9	Aayush	PCE21ME001	G3	Gear Box Design & Printing
10	Jayant	PCE21ME007	G3	Gear Box Design & Printing
11	Mohit Joshi	PCE21ME009	G3	Gear Box Design & Printing
12	Harshita Joshi	PCE21ME005	G4	Cotter Joint Design & Printing
13	Rajveer Singh	PCE21ME014	G4	Cotter Joint Design & Printing
14	Tanmay Jangid	PCE21ME021	G4	Cotter Joint Design & Printing
15	Priya	PCE21ME011	G4	Cotter Joint Design & Printing
16	Robin Singh	PCE21ME017	G4	Cotter Joint Design & Printing

LIST OF PARTICIPANTS & ATTANDANCE:



FEEDBACK ANALYSIS:

SESSION FEEDBACK ANALYSIS								
Sr.no.	**Attributes**	**Total Feed Back**	**Total Feed Back- 18**					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	**Do you think session was useful for you?**	**21**	**Yes**	**No**	**Partial**	**---**	**---**	**Remark**
			20	**0**	**1**	**0**	**0**	**Objective Achieved (95.23%)**
			95.23	**0.00**	**4.77**	**0.00**	**0.00**	
2	**Did you receive all the information you expected by the session?**	**21**	**Yes**	**No**	**Partial**	**---**	**---**	**Remark**
			20	**0**	**1**	**0**	**0**	**Objective Achieved (95.23%)**
			95.23	**0.00**	**4.77**	**0.00**	**0.00**	
3	**Opinion on Rating the trainer for the session**	**21**	**Outstanding**	**Excellent**	**Good**	**Average**	**Satisfactory**	**Remark**
			20	**1**	**0**	**0**	**0**	**Objective Achieved - Outstanding & Excellent (95.23%)**
			95.23	**4.77**	**0.00**	**0.00**	**0.00**	

4	Audience Query Response by the trainer	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			20	1	0	0	0	Objective Achieved (95.23%)
			95.23	4.77	0.00	0.00	0.00	
5	Overall experience about the Session	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			21	0	0	0	0	Objective Achieved - Outstanding (100%)
			100.00	0.00	0.00	0.00	0.00	
6	Would you like to attend future training session conducted by the department.	21	Yes	No	---	---	---	Remark
			21	0	0	0	0	Objective Achieved (100%)
			100.00	0.00	0.00	0.00	0.00	

Notice

POORNIMA
COLLEGE OF ENGINEERING
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PCE/ME/DO/2023-24/14 **Date: 20-10-2023**

NOTICE

An **"i3 training Program on "Advance Manufacturing"** celebration is being organized by the Department of Mechanical Engineering on **01-07 November 2023**. The activity will be held at as per the following schedule.

Date : 01-07 November 2023
Activity Name : i3 training Program on "Advance Manufacturing Engineering
Venue : 1B-05
Time : 9:00AM Onwards

The students are required to be present at the venue on time. For further query you may contact the Faculty Coordinator Dr. Surendra Kumar Saini.

Dr. N. L. Jain
HoD, ME

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