

REGENT EDUCATION & RESEARCH FOUNDATION

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Course Date	4 th November, 2023 to 22 nd November, 2023
Name of Course	Basic AutoCAD for Engineering Drawing
Type of Course	Value Added Course
Conducted By	Jointly by Civil Engineering and Mechanical Engineering Department
No. of Participants	51
Course Duration	30 hours

A value added course on AutoCAD has been organized by RERFGI in association with MTA Learning. The course was intended to enhance the engineering drawing skills of the students belonging to the departments of Civil Engineering and Mechanical Engineering. The five day course was conducted between 4th November to 22nd November, 2023 at Computer Lab – 8.

Program Objectives:

1. Introduction to AutoCAD Basics and Commands:

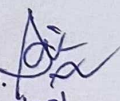
- Acquire a foundational understanding of AutoCAD, including its basic functionalities and command structures.
- Develop proficiency in executing essential commands for drafting and design purposes.

2. Coordinate Systems and Orthographical Methods:

- Explore the importance of coordinate systems in AutoCAD and understand how they influence the drafting process.
- Gain expertise in applying orthographical methods for precise and accurate drawing alignment.

3. Introduction to Drawing Tools:

- Familiarize yourself with a variety of drawing tools available in AutoCAD.
- Learn how to efficiently use drawing tools to create detailed and intricate designs.


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4. Blocks and Hatching Techniques:

- Understand the concept of blocks and their application in creating reusable design elements.
- Explore the use of hatching to add texture and depth to your drawings.

5. Modifying Tools and Drafting Settings:

- Master the various modifying tools within AutoCAD for efficient editing and refinement of drawings.
- Gain proficiency in setting up drafting preferences and layer configurations.

6. Styles, Text & Dimension Properties:

- Learn to apply styles to text and dimensions for a consistent and professional look in your drawings.
- Understand the properties associated with text and dimension elements.

7. Dimensioning Techniques:

- Explore advanced dimensioning techniques to accurately convey size and scale in your designs.
- Gain insights into best practices for dimensioning complex drawings.

8. Practical Drawing Creation and Scaling:


- Apply the acquired skills in practical scenarios, creating drawings that reflect real-world design challenges.
- Learn the art of scaling to ensure accurate representation of designs in different contexts.

9. Modeling, Layouts, and Plotting:

- Understand the concepts of model space and layout space in AutoCAD.
- Learn the plotting process to generate high-quality prints and digital outputs from your drawings.

10. Career-enhancing Skills:

- Acquire a comprehensive skill set in AutoCAD that can significantly enhance your career prospects in engineering and design.
- Build confidence in using AutoCAD for various applications, making you a proficient user in the field.


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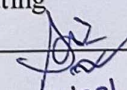
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Program Schedule:

DAY	TIME	EVENT
Day – 1 (04/11/2023)	9 : 45 AM to 10 AM	Welcome address to the trainer and all the participating students by course coordinator.
	10 AM to 1 PM	Basic of AutoCAD and command
	1 PM to 2 PM	Lunch Break
	2 PM to 5 PM	Coordinate system and orthographical method
Day – 2 (11/11/2023)	10 AM to 1 PM	Introduce with drawing tools
	1 PM to 2 PM	Lunch Break
	2 PM to 5 PM	Block and hatch
Day – 3 (17/11/2023)	10 AM to 1 PM	Introduction of modifying tools
	1 PM to 2 PM	Lunch Break
	2 PM to 5 PM	Drafting setting and layer setting
Day – 4 (18/11/2023)	10 AM to 1 PM	Styles (text & dimension) and properties
	1 PM to 2 PM	Lunch Break
	2 PM to 5 PM	Dimensioning
Day – 5 (22/11/2023)	10 AM to 1 PM	Practical drawing creation and scale
	1 PM to 2 PM	Lunch Break
	2 PM to 5 PM	Model, layout and plotting


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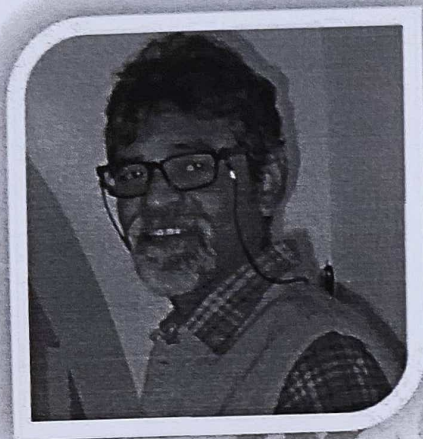
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About The Trainer:

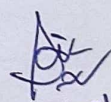


Name: Mr. Arun Kanjilal.

Qualification: Diploma (Civil) in 1990 from
Calcutta Technical school (night).

Draughtsmanship (Civil) in 1982 from I.T.I, Kalyani.

Work Exposure: 40 years of experience as a civil Draughtsman in companies like Environ design center, H.K. Sen and Associates, Cevengers pvt. ltd., Gammon India ltd. and Irrigation and waterways Directorate Govt. of West Bengal. Engaged in various Polytechnique institutes and degree colleges as a part time guest faculty as well as an AutoCAD instructor over the last 18 years.


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Participants List:

Sl. No.	Roll Number	Name	Stream
1	26301322077	Priyanka Das	CE
2	26301322116	Nabakumar Mondal	CE
3	26301322003	Biswanath Malakar	CE
4	26301321094	Naurin Sultana	CE
5	26301321123	Sudipta Halder	CE
6	26301321096	Salauddin	CE
7	26301320001	Mainul Hoque	CE
8	26301322012	Jit Singh	CE
9	26301320051	Nani Gopal Sarkar	ME
10	26300720008	Jahir Khan	CE
11	26301322073	Sayan Kundu	ME
12	26300722009	Aman Jha	CE
13	26301322133	Sumit Kundu	CE
14	26301322006	Jasim Mallick	CE
15	26301322129	Sagorika Majumder	CE
16	26301322047	Mohinimohon Das	CE
17	26301321007	Subhajit Ghosh	CE
18	26301321121	Ujjal Biswas	CE
19	26301321003	Kali Sankar Ganguly	CE
20	26301321002	Bony Rahaman	CE
21	26301322025	Narayan Khanra	ME
22	26300722059	Rahul Sadhukhan	ME
23	26300721011	Swarup Deb	ME
24	26300722011	Antima Bera	ME
25	26300722064	Adreeja Chakraborty	ME
26	26300722039	Diganta Poddar	ME
27	26300722049	Deepayan Dey	ME
28	26300722050	Rupankar Paul	ME
29	26300722061	Anurag Bala	ME

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Sl. No.	Roll Number	Name	Stream
30	26300722015	Soumitra Roy	ME
31	26300721022	Santanughanta	ME
32	26300721033	Sukanya Mondal	ME
33	26300721007	Bijay Gorai	ME
34	26300721037	Raj Kumar Shaw	ME
35	26300721052	Tanmoy Palit	ME
36	26300721041	Anupam Mallick	ME
37	26300721043	Sourav Khatua	ME
38	26300720014	Puspendu Bera	ME
39	26300720017	Aniket Shaw	ME
40	26300721044	Sudipta Modak	ME
41	26300720002	Chirodeep Pramanick	ME
42	26300720018	Subhajit Nath	ME
43	26300721003	Saikat Majumder	ME
44	26300721001	Tanmoy Ghoshal	ME
45	26300720015	Ayan Samanta	ME
46	26300722004	Soumen Ghosh	ME
47	26300720066	Soura Kr Dey	ME
48	26300721031	Subhadip Nayak	ME
49	26300720005	Samar Das	ME
50	26300721010	Sumit Bayan	ME
51	DREFCES2	Rukhsar Bano	CE


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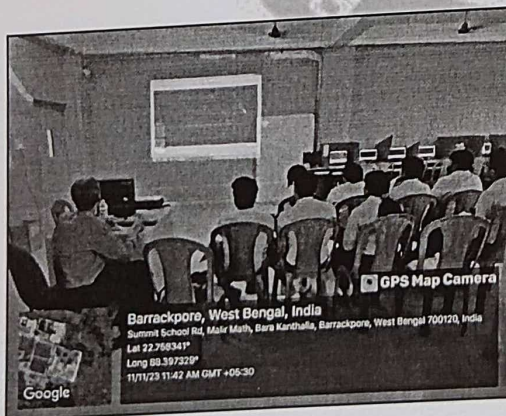
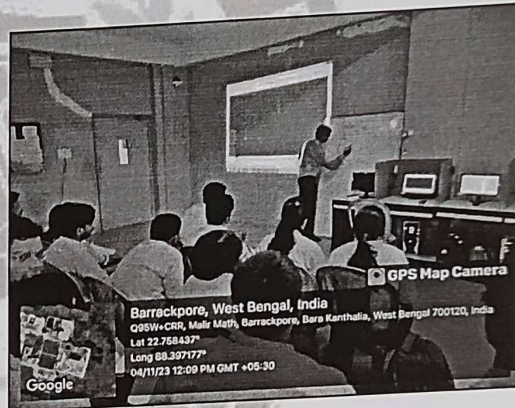
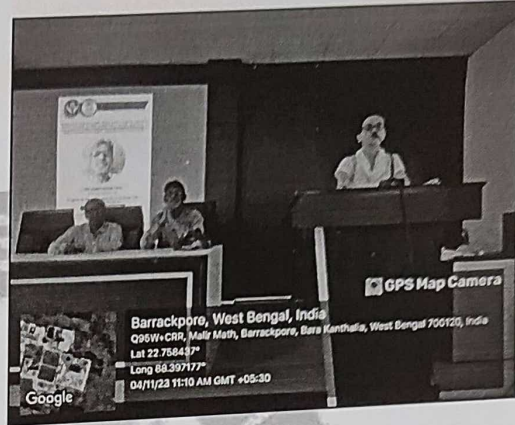
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Pictures From The Session:



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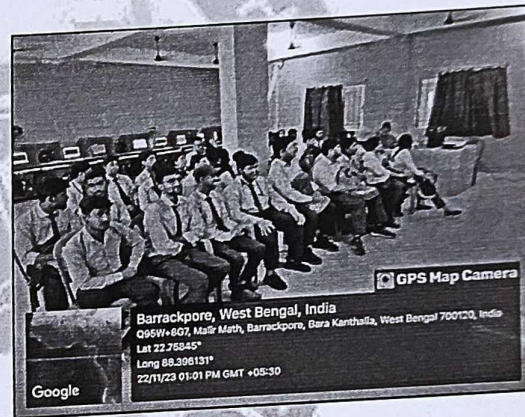
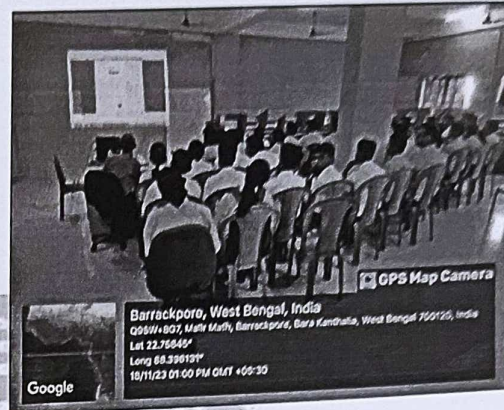
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