



Netaji Subhas Institute of Technology

Approved by AICTE and Affiliated to AKU, Patna



Workshop ON

“AUTOCAD”

23rd Aug to 28th Aug, 2021

Organized by
Department of Mechanical Engg.

Coordinators

Mr. Ashwini, NSIT Patna
Mr. R.K. Mandal, NSIT Patna

ABOUT NSIT BIHTA, PATNA

Netaji Subhas Institute of Technology established in 2007, with first batch started in 2008 has its magnificent campus at Amhara in the district of Patna, Bihar. The nearest railway station is Bihta about 2 kilometres from the institute campus and about 25 KM from Patna. A railway junction the state capital and major business and Educational hub of the state. Bihta is the industrial hub and blessings nerve centre of the entire state of Bihar. NSIT, A Degree level Engineering Institute has become a "An effective source of Technocrats to the nation". with its unique infrastructural facilities of 4,00,000 Sq.Ft. of built up area on approximately 18 acres of green lush land at Amhara, Bihta, Patna, Ambience at the campus serve and Ashram like. The college offers 4 yaers B. Tech courses in CSE, ECE, EEE, ME and CE.

ABOUT DEPARTMENT OF ME

Mechanical engineering department is one of the oldest and leading departments of NSIT Patna. Having well-equipped laboratories and highly qualified faculties indeed contributes significantly to the overall learning experience of students. The exposure to well-equipped laboratories provides students with the opportunity to understand the practical aspects of mechanical engineering; helping them bridges the gap between theoretical knowledge and its practical applications. The ME has the intake of 180 students and approved by AICTE and affiliated to AKU, Patna

DEPARTMENT VISION

To bring forth quality engineering embodying societal ethical to serve and multinational organization as well as harping on higher studies.

DEPARTMENT MISSION

- To create a modern atmosphere focusing on advanced pedagogy and tools for mechanical engineers.
- To collaborate with domain industry and research institutes to enhance the skills and knowledge of the graduates.
- To implant necessary professional skills to serve the industry and the nation.
- To inculcate humanitarian ethical values in graduates through various social –cultural activities.

Director

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

OBJECTIVE

The primary objective of this workshop is to teach the necessary for professional 2D drawing, design, and the completion of this course, the student will:

- Become familiar with the AutoCAD user interface
- Understand the fundamental concepts and features
- Use the precision drafting tools in AutoCAD to drawings.
- Present drawings in a detailed and visually impressive manner
- Develop a level of comfort and confidence with AutoCAD on experience.

WORKSHOP CONTENT

- ❖ Introduction to AutoCAD
- ❖ Drawing and Creating Complex Object
- ❖ Preparing to print and Annotation drawing
- ❖ AutoCAD Beyond Basic and Creating Block
- ❖ Advanced Layout and Printing

Registration Fee

The participation fees Rs 500/- only

Mode of registration :- Spot

For More Information Contact us on :-
7781020359, 7781020361, 9102403270

RESOURCE PERSON

Ujjawal Kumar, Centre Head
National Design School, Patna

PATRONS

Mr. M. M. Singh, Founder Secretary, NSIT
Mr. Krishna Murari, Registrar, NSIT
Dr. S. Singh, Director, NSIT

EVENT CHAIR

Mr. R. K. Singh, Dean, NSIT

CONVENOR

Mr. P. K. Sinha, HOD, ME, NSIT





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APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR
AFFILIATED TO ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA
AMHARA, BIHTA, PATNA-801118, BIHAR

Session 2021-2022

Date: 16-08-2021

Notice

This is to inform all 6th & 8th Semester Mechanical and Civil Engineering students that Mechanical Engineering department is organizing a Workshop on "AUTOCAD" from 23rd Aug 2021 to 28th Aug 2021. The details of registration are available on notice board and college website. Therefore interested students should register their name to the coordinator.

Purbans
HOD, ME, NSIT

Head of Department
Department of Mechanical Engineering
Netaji Subhas Institute of Technology

Copy to:

1. Director, NSIT
2. Dean, NSIT
3. Notice Board
4. College website



[Signature]
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CONTENT

Name of the Workshop: *AutoCAD*

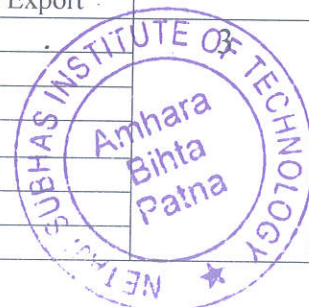
Duration (in Hrs.): 30 Hours

Course Content:

UNIT I :Introduction to AutoCAD			
Day	Topic	Sub Topic	Duration (in Hours)
1	Getting started with AutoCAD	Starting AutoCAD	3
		AutoCAD's screen layout	
		Working with commands	
		Opening an Existing drawing file	
		Saving your work	
		AutoCAD's Toolbars	
1&2	Basic Drawing & Editing Command	Drawing lines	3
		Erasing Objects	
		Drawing lines with Polar tracking	
		Drawing Rectangle , Circle	
		Drawing with SNAP & GRID	
		Polar Tracking setting	
		Move , Copy, Rotate Scale command	
		Mirroring object & Editing object	
		Undoing & redoing actions	
		Object snap Tracking	
Function key F1 & F12			

UNIT 2 : Drawing & Creating Complex Object			
Day	Topic	Sub Topic	Duration (in Hours)
2	Organising your Drawing with layer	Creating new drawings with Templates	2
		Layer & Layer state	
		Changing an object layer	
		Creating LAS file with Import & Export	
3	Advance object type , Getting information & Editing commands	Drawing Arcs , Polylines	3
		Editing Polyline ,	
		Drawing Polygon & Ellipses	
		Measure Object & Properties	
		Create fillets & Chamfers	
		Offsetting object	
	Creating Array of object		

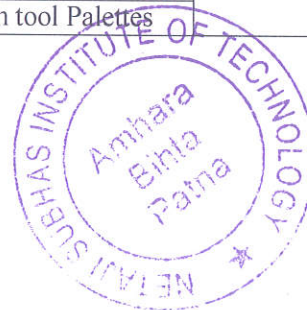
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	Inserting Block & Tool Palettes	
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UNIT 3 : AutoCAD - Preparing to Print & Annotation Drawing			
Day	Topic	Sub Topic	Duration (in Hours)
3&4	Setting up Layout & Print	Print Concept	3
		Creating View Ports	
		Setting up Layouts	
		Guide line for Layouts	
		Print Layouts	
		Printing a check Plots	
4	Annotating your Drawing	Work with Annotation	3
		Adding text in Drawing	
		Modifying & Formatting Multiline Text	
		Hatching	
		Adding Linear & Radial Dimension	
		Adding Note to your Drawing	

UNIT 4 : AutoCAD- Beyond Basic & Creating Block			
Day	Topic	Sub Topic	Duration (in Hours)
4	Working Effectively & Accurate Positioning	Setting up the interface	3
		Using keyboard effectively	
		Working in the multiple Drawing	
		Using Grip effectively	
		Additional Layer tool	
		Locating Point & Tracking	
		Constructing Lines & Placing Reference	
5	Creating & organizing Block	Creating Block	3
		Editing Block & removing unwanted thing	
		Adding Block to Tool Palettes	
		Modifying tool properties in tool Palettes	

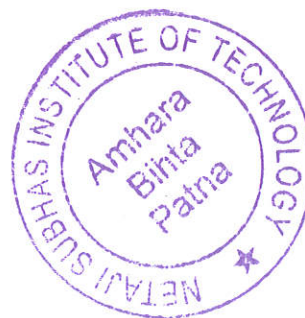



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UNIT 5 : AutoCAD Advanced Layout & Printing & Extra topic			
Day	Topic	Sub Topic	Duration (in Hours)
5&6	Drawing Setup & Utilities	Creating Templates	3
		Controlling units Display	
		Adding standard layouts to Templates	
		Creating Annotation	
		Creating Dimension & Multilayer Style	
6	Advanced Layouts , Printing & Extra	Creating & Using Named View	4
		Creating Additional Viewports	
		Layer overrides in Viewports	
		Additional annotative Scale	
		DWF plotting & Viewing	
		Publishing Drawing set	
		Additional Zoom Command	
		Creating Model Space viewports	
		Advanced objection selection	
		Single line text & additional Dimensioning	
		Creating Boundaries	
		Working with Region	

Total

30hours




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NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Session 2021-22

Add on Course on "AUTOCAD"

Attendance Sheet

Sr.No	Name of Student	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug
1	KESHAV ADITYA	P	P	P	P	P	P
2	NISHANT SUMAN	P	P	P	P	P	A
3	GULSHAN KUMAR	P	P	P	P	P	P
4	ABHISHEK KUMAR	P	P	P	P	A	P
5	SHUBHAM KISHAN	P	P	P	P	P	P
6	BALMUKUND KUMAR	P	P	P	P	P	P
7	RAJ ARYAN	P	P	P	P	P	P
8	BALMUKUND KUMAR	P	P	P	P	P	P
9	RAJ ARYAN	P	P	P	P	P	P
10	AMAN KUMAR	P	P	P	P	A	P
11	AMIT PRAKASH	P	P	P	P	P	P
12	AHMED FARAZ NASIR	P	A	P	P	P	P
13	SOURAV KUMAR	P	P	P	P	P	P
14	ROSHAN RAMAN	P	P	P	P	P	P
15	MD MANAUR RAHI	A	P	P	P	P	P
16	MD HIDAYAT KARIM	P	P	P	P	P	P
17	RAVISHANKAR PODDAR	P	P	P	P	P	P
18	Monu Kumar	P	P	P	P	P	P
19	Divyam Singh	P	P	P	P	P	P
20	Kaushal Kumar	P	P	P	P	P	P
21	Mannu Kumar	P	P	P	A	P	P
22	UDIT CHANDRA	P	P	P	P	P	P
23	PRATIGYA BHARATI	P	P	P	P	P	P
24	GAVRAV KUMAR	P	P	P	P	P	P
25	NIKHIL SHIVAM	P	P	P	P	P	P
26	MD. SERAJ ALAM	P	A	P	P	P	P
27	SWAPNIL KUMAR	P	P	P	P	P	P
28	SHAHBAZ ALAM	P	P	A	P	P	P
29	NIRAJ KUMAR	P	P	P	P	A	P
30	ARJUN KUMAR	P	P	P	P	P	P
31	MD. SAIF ALAM	P	P	P	P	P	P
32	ASHIF ALAM	P	P	P	P	P	P
33	AAKASH KUMAR	P	P	P	P	P	P
34	PRINCE KUMAR	P	P	P	P	P	P
35	ARBIND KUMAR MISHRA	P	P	P	P	P	P
36	VIKASH KUMAR	P	P	P	P	P	P
37	RAHUL KUMAR RANJAN	P	P	P	P	P	P
38	DHIRAJ KUMAR	P	P	P	P	P	P


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