Ref: BIHER/BIST/Civil//Spl/2021   Date: 28/03/2021

CIRCULAR

Many a times. the defined skill sets that are being imparted to students today with Programme Specific Objectives in educational institutions become redundant sooner than later due to rapid technological advancements. It is important for higher education institutions to supplement the curriculum to make students better prepared to meet industry demands as well as develop their own interests and aptitudes.

Hence a Value Added Course is offered by Department of School of Civil and Infrastructure Engineering. Bharath Institute of Higher Education & Research. The course offered is **New Feature in AutoCAD** with the duration of 30 hours (Two hour per day) and commences from **11/04/2021 to 13/05/2021(online).**

Eligibility: Course is open for UG Students for Department School of Civil and Infrastructure Engineering.

Registration:

The registration form which is available in the university website should be duly filled by the participants and to be submitted to the Coordinator at least 5 days before the commencement of course.

Contact:

Ms.M.Hemapriya

Assistant Professor / School of Civil and Infrastructure Engineering.,

Course Coordinator

Bharath Institute of Higher Education & Research.

Email id: hemapriya.civil@bharathuniv.ac.in

HOD

Head of the Dept.
(Civil Engineering)
Bharath Institute of Higher
Education & Research,
Selaiyur, Chennai - 600 073.

Topic: New Features in AutoCAD

Type of Course: value added course/ UG

School of Civil and infrastructure Engineering

Pre-Requisites: Computer Aided Building Drawing

Course Duration: 30 hours (11 April 2021 to 13 May 2021)

Intended Audience: School of Civil and infrastructure Engineering Students

Industries Applicable To: All companies that deal with the Civil Engineering development

Coordinator: Ms.M.Hemapriya

Objective:

a) Prepare wire frame modeling and solid modeling using drafting packages

b) Perform structural analysis using computer packages

c) Prepare algorithms for the analysis and design of steel and RC structures

d) Analysis simple structures using expert systems

e) Analysis and design of structures by using STADD.PRO, STRAP

Value Added Course

New Features in AutoCAD

Students Name List

Sl.NO	Reg No	Name of the students
1	U14CE001	ABHIJEET KUMAR SINGH
2	U14CE002	ABISHEK RAJ.B
3	U14CE003	ADHULAPURI.SAI.NIVEDHITHA
4	U14CE004	ADIL ABASS LONE
5	U14CE005	AJAN.A
6	U14CE006	AJAS AHAMED .N
7	U14CE007	AJITH KUMAR.L
8	U14CE008	AJITH KUMAR.R
9	U14CE009	AJITH KUMARAPPAN.K
10	U14CE010	AKEPATI DEEPA
11	U14CE011	ALAGURAJA.CH
12	U14CE012	ALITHAF.S
13	U14CE013	AMAN MISRA
14	U14CE014	ANAND KUMAR
15	U14CE015	ANKIT BOSE
16	U14CE016	ANKIT SHARMA
17	U14CE017	ANUSHA C.S
18	U14CE018	ARAVIND.G
19	U14CE019	ARISH.S
20	U14CE020	ARUMUGA RAMKUMAR.P
21	U14CE021	ARUN .K
22	U14CE022	ARUN RAJ.V
23	U14CE023	ASHISH KUMAR
24	U14CE024	ASHMIT KUMAR
25	U14CE025	ASHWIN.M
26	U14CE026	ASWINN KUMAR.S
27	U14CE027	AVINASH KUMAR
28	U14CE028	AVINASH.A.M.
29	U14CE029	BABBURI MANIKANTA KUMAR
30	U14CE030	BALAGURU.N
31	U14CE031	BAMMIDI DILEEP
32	U14CE032	BANOTH KALYAN KUMAR
33	U14CE033	BHARATH BALAJI.P

34	U14CE034	BHARATH KUMAR REDDY. E
35	U14CE035	BOLLARAM VAMSHI
36	U14CE036	CHALANGDIAM.K.
37	U14CE037	CHANDRA MOHAN .S
38	U14CE038	CHARLES MESTAN.S
39	U14CE039	CHEMIKI LYWAIT
40	U14CE040	DAR TUFAIL GULL
41	U14CE041	DEBASHISH CHATTERJEE
42	U14CE042	DEBESHWOR SINGH .M
43	U14CE043	DEEPAK KUMAR VERMA
44	U14CE044	DEEPAN .K
45	U14CE045	DHARAM GURUMAHENDRA
46	U14CE046	DHINESH .R
47	U14CE047	DILIP KUMAR THAKUR
48	U14CE048	DILIP KUMAR.C.
49	U14CE049	DINGNUNG MODI

Head of the Dept.
(Civil Engineering)
Bharath Institute of Higher
Education & Research
Nungambakkam, Chennai - 600 ...

VALUE ADDED COURSE
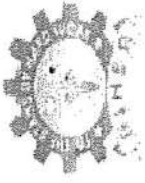## NEW FEATURES IN AUTOCAD
COURSE OUTLINE:

This course will help students learn AutoCAD includes industry-specific features and intelligent objects for architecture, mechanical engineering, electrical design and more. Automate floor plans, sections and elevations. Draw piping, ducting and circuiting quickly with parts libraries. Auto-generate annotations, layers, schedules, lists and tables. Use a rules-driven workflow to accurately enforce industry standards. The Measure dropdown in the Utilities panel has been a handy way to find distances, angles, diameters, and areas. Historically, the user chooses the measurement option they want, selects the relevant objects (or snaps to points) in the drawing, and notes the measurement. A faster version of this tool is now available, called "Quick Measure." When this tool is active, the program finds measurements close to the crosshairs and automatically displays them. This tool tracks distances along line segments, distances between parallel lines. and angles (showing the customary symbol for right angles). Quick Measure is now the default measure tool, which can be accessed with the Measure command. The previously existing subcommands are still available. The Compare Tool was introduced in 2019 in order to see the differences between two drawings. For instance, if two people at the office opened a version of a drawing, saved local copies, and made changes, this tool could create color-coded revision clouds encircling the differences to help users see who had drafted what since the drawing contents diverged. The new, easier to follow workflow available in AutoCAD 2020 has the user open one of the two drawings, run the compare tool, and point to the comparison drawing. AutoCAD 2020 embeds the differences directly into the current drawing with the same color-coded revision clouds, while displaying a handy DWG Compare Toolbar:

Value Added Course

New Features in AutoCAD

Content of Syllabus

S.No.	Syllabus Details	No. of Lecture hrs	Time	Date	Lecturer name
1	Introduction to computer graphics	2	3.00 – 5.00 pm	11/04/2021	Ms.M.Hemapriya
2	Fundamentals of CAD	2	3.00 – 5.00 pm	13/04/2021	Ms.M.Hemapriya
3	Hardware and software requirements	2	3.00 – 5.00 pm	15/04/2021	Ms.M.Hemapriya
4	Design process	2	3.00 – 5.00 pm	18/04/2021	Ms.M.Hemapriya
5	Applications and benefits	2	3.00 – 5.00 pm	20/04/2021	Ms.M.Hemapriya
6	Drafting packages	2	3.00 – 5.00 pm	22/04/2021	Ms.M.Hemapriya
7	use of AUTOCAD	2	3.00 – 5.00 pm	25/04/2021	Ms.M.Hemapriya
8	Application to layout of buildings and structures	2	3.00 – 5.00 pm	27/04/2021	Ms.M.Hemapriya
9	Graphic primitives	2	3.00 – 5.00 pm	29/04/2021	Ms.M.Hemapriya
10	Wireframe modeling and solid modeling.	2	3.00 – 5.00 pm	02/05/2021	Ms.M.Hemapriya
11	Design & Optimization	2	3.00 – 5.00 pm	04/05/2021	Ms.M.Hemapriya
12	Optimization techniques	2	3.00 – 5.00 pm	06/05/2021	Ms.M.Hemapriya
13	Principles of design of steel and RCC structures	2	3.00 – 5.00 pm	09/05/2021	Ms.M.Hemapriya
14	Applications to simple design problems	2	3.00 – 5.00 pm	11/05/2021	Ms.M.Hemapriya
15	Introduction of Finite Element Analysis	2	3.00 – 5.00 pm	13/05/2021	Ms.M.Hemapriya

HOD

Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

DEEMED-TO-BE UNIVERSITY

NAAC

NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH

CERTIFICATE OF PARTICIPATION

This is to Certify that _____ANKIT BOSE_____, from Bharath Institute of Higher Education and Research, has participated in value added course on **'New Features in AutoCAD'** presented by **Ms.M.HEMAPRIYA, Assistant Professor,** Organized by School of Civil & Infrastructre Engineering, BIHER from 11.04.2021 To 13.05.2021.

Coordinator

HOD

VALUE ADDED COURSE

Feedback Form

Event Name: NEW FEATURE IN AUTOCADD

Event Venue: Date: 11/4/2021 - 18/5/2021.

Name of participant: CHARLES MESTAN. S

1. Rate the success of the event (1: not successful, 5 very successful)

    1   2   3   4   5 ✓

2. Describe what topic is good. Wireframe & Solid Modelling

3. What aspects of the course we improve.

Need to improve practical skill

4. What else would you like to see added.

Software implementations