I.T.S Engineering College
A unit of Durga Charitable Society
46, Knowledge Park-III, Greater Noida, Gautam Budh Nagar (U.P)-201310
Ph: +91 (0120) 2331000, Toll Free : 180018008040
E-mail: engg.gn@its.edu.in Website: www.itsengg.edu.in

INDEX
Technical Training

I.T.S ENGINEERING COLLEGE
GREATER NOIDA
(A NAAC Accredited Engineering College)

The Education Group
Ghaziabad - Greater Noida
(Estd. : 1995)

Value Added Course Record (Internal Trainings)
AUTOCAD TRAINING FOR 3RD SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11		12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	HARSHIT SINGH[EX]	20	18	90	Y	Internal	N	8929585815
2	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	MOHD SARFARAZ	20	10	50	N	Internal	N	8860627744
3	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	AARTI VERMA	20	18	90	Y	Internal	N	7303520467
4	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	ABDULLAH	20	16	80	Y	Internal	N	8809730817
5	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	AMBER SHAMSH	20	18	90	Y	Internal	N	9693625048
6	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	ANIL KUMAR	20	20	100	Y	Internal	N	9696289907
7	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	BASIT BASHIR WANI	20	18	90	Y	Internal	N	6005765110
8	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	DEV RAJ	20	18	90	Y	Internal	N	6387781627
9	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	DIVYANSH SINGH	20	16	80	Y	Internal	N	9682537793
10	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	IRFAN AHMAD	20	10	50	N	Internal	N	6398121218
11	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	MANISH KUMAR	20	20	100	Y	Internal	N	7004361119
12	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	PRAVEEN KUMAR SINGH	20	20	100	Y	Internal	N	9450235356
13	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	PRIYANSHU KUMAR SINGH	20	16	80	Y	Internal	N	8922847015
14	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	RAHUL SINGH	20	6	30	N	Internal	N	7081507271
15	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	RAJ KIRAN	20	18	90	Y	Internal	N	8102390765
16	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	RAJNISH KUMAR MISHRA	20	8	40	N	Internal	N	7321995213
17	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SAGAR PASWAN	20	4	20	N	Internal	N	6392209369
18	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SHAFIA NAZIR	20	18	90	Y	Internal	N	9682664611
19	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SHAURYA PRATAP SINGH	20	18	90	Y	Internal	N	8429778890
20	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SHREE PRAKASH	20	8	40	N	Internal	N	8292732869
21	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SHUBHAM PANDIT	20	20	100	Y	Internal	N	9973277085
22	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SUDHAKAR MISHRA	20	20	100	Y	Internal	N	7081960903
23	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	UJJWAL KUMAR	20	20	100	Y	Internal	N	6287173156
24	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	UPENDRA KUMAR	20	20	100	Y	Internal	N	6202418360
25	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	ABDUL MAJID	20	18	90	Y	Internal	N	7006364236
26	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	MADHAV DIXIT	20	16	80	Y	Internal	N	6396523909
27	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	PRATYUSH ANAND	20	18	90	Y	Internal	N	6200638351
28	CIVIL ENGINEERING	3	AutoCAD	40	06-08-2020	29-10-2020	SHEETAL KUMARI	20	20	100	Y	Internal	N	8756210880

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CIVIL ENGINEERING DEPTT. 3RD SEM
SESSION: 2020-2021

Sr. No.	Roll No	Name	Date 6-Aug	Date 8-Aug	Date 13-Aug	Date 20-Aug	Date 22-Aug	Date 27-Aug	Date 29-Aug	Date 3-Sept	Date 10-Sept	Date 12-Sept	Date 17-Sept	Date 24-Sept	Date 26-Sept	Date 1-Oct	Date 8-Oct	Date 10-Oct	Date 15-Oct	Date 22-Oct	Date 24-Oct	Date 29-Oct
1	1822200013	HARSHIT SINGH[EX]	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
2	1822200019	MOHD SARFARAZ	A	A	A	A	A	A	A	A	A	A	P	P	P	P	P	P	P	P	P	P
3	1902220000001	AARTI VERMA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
4	1902220000002	ABDULLAH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	1902220000003	AMBER SHAMSH	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	1902220000005	ANIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	1902220000006	BASIT BASHIR WANI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
8	1902220000007	DEV RAJ	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	1902220000008	DIVYANSH SINGH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	1902220000010	IRFAN AHMAD	A	A	A	A	A	A	A	A	A	A	P	P	P	P	P	P	P	P	P	P
11	1902220000011	MANISH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	1902220000013	PRAVEEN KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	1902220000014	PRIYANSHU KUMAR SINGH	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	1902220000015	RAHUL SINGH	A	A	A	A	A	A	A	A	A	A	P	P	P	A	A	A	A	A	A	A
15	1902220000016	RAJ KIRAN	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
16	1902220000017	RAJNISH KUMAR MISHRA	P	P	A	A	A	A	A	A	A	A	P	P	A	A	A	A	A	A	A	A
17	1902220000018	SAGAR PASWAN	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P	A	A	A	A	A
18	1902220000019	SHAFIA NAZIR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	1902220000020	SHAURYA PRATAP SINGH	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
20	1902220000021	SHREE PRAKASH	P	P	A	A	A	A	A	A	A	A	A	A	P	P	A	A	A	A	A	A
21	1902220000022	SHUBHAM PANDIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	1902220000023	SUDHAKAR MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	1902220000024	UJJWAL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	1902220000025	UPENDRA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	2002220009001	ABDUL MAJID	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
26	2002220009002	MADHAV DIXIT	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
27	2002220009003	PRATYUSH ANAND	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	2002220009004	SHEETAL KUMARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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Department of Civil Engineering
Marks Assessment sheet

Batch 2019-23
session 2020-21
Sub: AutoCAD Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Practicing AutoCAD tools used in drafting and design of civil design and construction Industry.	Does not use the tools available in AutoCAD.	Use of very few basic tools in AutoCAD and apply it in civil design and drawing.	Use of all basic tools in AutoCAD and apply it in civil design and drawing.	Use of high precision tools in AutoCAD and apply it in Civil design and drawing.	Use of high precision tools in AutoCAD and draft drawings according to Industry standards.
CO-2	Apply basic CAD concepts to develop and construct accurate 2D geometry.	Does not apply Basic CAD concepts in geometrical constructions.	Application of very few Basic CAD concepts in geometrical construction.	Application of few Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts in 2D geometrical construction with highest accuracy.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc. .	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in all types of Architectural Drawings
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc. .	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in all types of Structural Drawings

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Course Outcome (COs)	
CO-1	Knowledge of power and precision of various drafting and design tools utilised in AutoCAD.
CO-2	Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc. .
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc. .

S.No.	Roll No.	Name of the Students	Practicing AutoCAD tools used in drafting and design of civil design and construction Industry.(CO1)		Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.(CO2)		Apply elements of drafting such in creating Architectural Drawings (CO3)		Apply elements of drafting in creating Structural Drawings (CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	1822200013	HARSHIT SINGH[EX]	8	5	14	4	8	5	7	4	37
2	1822200019	MOHD SARFARAZ	5	3	10	3	5	3	4	3	24
3	1902220000001	AARTI VERMA	8	5	16	5	8	5	7	4	39
4	1902220000002	ABDULLAH	9	5	16	5	8	5	9	5	42
5	1902220000003	AMBER SHAMSH	9	5	17	5	9	5	9	5	44
6	1902220000005	ANIL KUMAR	9	5	20	5	10	5	9	5	48
7	1902220000006	BASIT BASHIR WANI	8	5	15	4	8	5	7	4	38
8	1902220000007	DEV RAJ	9	5	18	5	9	5	9	5	45
9	1902220000008	DIVYANSH SINGH	6	4	17	5	7	4	7	4	37
10	1902220000010	IRFAN AHMAD	5	3	12	4	6	4	3	2	26
11	1902220000011	MANISH KUMAR	10	5	19	5	10	5	9	5	48
12	1902220000013	PRAVEEN KUMAR SINGH	8	5	19	5	8	5	7	4	42
13	1902220000014	PRIYANSHU KUMAR SINGH	8	5	17	5	8	5	7	4	40
14	1902220000015	RAHUL SINGH	5	3	9	3	5	3	3	2	22
15	1902220000016	RAJ KIRAN	10	5	18	5	10	5	7	4	45
16	1902220000017	RAJNISH KUMAR MISHRA	4	3	12	4	4	3	5	3	25
17	1902220000018	SAGAR PASWAN	5	3	11	3	2	2	2	2	20
18	1902220000019	SHAFIA NAZIR	8	5	19	5	8	5	7	4	42
19	1902220000020	SHAURYA PRATAP SINGH	10	5	15	4	10	5	9	5	44
20	1902220000021	SHREE PRAKASH	5	3	9	3	5	3	4	3	23
21	1902220000022	SHUBHAM PANDIT	8	5	17	5	8	5	7	4	40
22	1902220000023	SUDHAKAR MISHRA	8	5	17	5	8	5	9	5	42
23	1902220000024	UJJWAL KUMAR	10	5	17	5	9	5	9	5	45
24	1902220000025	UPENDRA KUMAR	10	5	18	5	9	5	9	5	46
25	2002220009001	ABDUL MAJID	8	5	19	5	8	5	8	5	43
26	2002220009002	MADHAV DIXIT	10	5	19	5	10	5	9	5	48
27	2002220009003	PRATYUSH ANAND	10	5	17	5	10	5	9	5	46
28	2002220009004	SHEETAL KUMARI	10	5	19	5	10	5	9	5	48

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Value Added Course Record (Internal Trainings)
STAAD Pro TRAINING FOR 4TH SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11		12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	HARSHIT SINGH[EX]	20	16	80	Y	Internal	N	8929585815
2	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	MOHD SARFARAZ	20	12	60	N	Internal	N	8860627744
3	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	AARTI VERMA	20	16	80	Y	Internal	N	7303520467
4	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	ABDULLAH	20	18	90	Y	Internal	N	8809730817
5	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	AMBER SHAMSH	20	16	80	Y	Internal	N	9693625048
6	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	ANIL KUMAR	20	20	100	Y	Internal	N	9696289907
7	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	BASIT BASHIR WANI	20	16	80	Y	Internal	N	6005765110
8	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	DEV RAJ	20	14	70	Y	Internal	N	6387781627
9	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	DIVYANSH SINGH	20	12	60	N	Internal	N	9682537793
10	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	IRFAN AHMAD	20	16	80	Y	Internal	N	6398121218
11	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	MANISH KUMAR	20	20	100	Y	Internal	N	7004361119
12	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	PRAVEEN KUMAR SINGH	20	18	90	Y	Internal	N	9450235356
13	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	PRIYANSHU KUMAR SINGH	20	14	70	Y	Internal	N	8922847015
14	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	RAHUL SINGH	20	8	40	N	Internal	N	7081507271
15	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	RAJ KIRAN	20	18	90	Y	Internal	N	8102390765
16	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	RAJNISH KUMAR MISHRA	20	10	50	N	Internal	N	7321995213
17	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SAGAR PASWAN	20	2	10	N	Internal	N	6392209369
18	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SHAFIA NAZIR	20	16	80	Y	Internal	N	9682664611
19	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SHAURYA PRATAP SINGH	20	18	90	Y	Internal	N	8429778890
20	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SHREE PRAKASH	20	12	60	N	Internal	N	8292732869
21	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SHUBHAM PANDIT	20	20	100	Y	Internal	N	9973277085
22	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SUDHAKAR MISHRA	20	18	90	Y	Internal	N	7081960903
23	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	UJJWAL KUMAR	20	20	100	Y	Internal	N	6287173156
24	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	UPENDRA KUMAR	20	18	90	Y	Internal	N	6202418360
25	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	ABDUL MAJID	20	20	100	Y	Internal	N	7006364236
26	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	MADHAV DIXIT	20	20	100	Y	Internal	N	6396523909
27	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	PRATYUSH ANAND	20	18	90	Y	Internal	N	6200638351
28	CIVIL ENGINEERING	4	STAAD Pro	40	07-04-2021	26-06-2021	SHEETAL KUMARI	20	20	100	Y	Internal	N	8756210880

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CIVIL ENGINEERING DEPTT. 4TH SEM
SESSION: 2020-2021

Sr. No.	Roll No	Name	Date 7-April	Date 10-April	Date 16-April	Date 21-April	Date 24-April	Date 1-May	Date 5-May	Date 8-May	Date 12-May	Date 19-May	Date 22-May	Date 26-May	Date 29-May	Date 2-June	Date 5-June	Date 9-June	Date 16-June	Date 19-June	Date 23-June	Date 26-June
1	1822200013	HARSHIT SINGH[EX]	P	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
2	1822200019	MOHD SARFARAZ	A	A	A	A	A	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P
3	1902220000001	AARTI VERMA	P	P	P	P	P	P	A	A	P	P	A	A	P	P	P	P	P	P	P	P
4	1902220000002	ABDULLAH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	1902220000003	AMBER SHAMSH	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A	A	P	P	P
6	1902220000005	ANIL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	1902220000006	BASIT BASHIR WANI	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	A
8	1902220000007	DEV RAJ	P	P	P	P	A	P	P	P	P	P	P	A	A	A	P	A	P	P	A	P
9	1902220000008	DIVYANSH SINGH	A	A	P	P	P	A	P	A	A	P	P	P	P	P	P	P	A	A	A	P
10	1902220000010	IRFAN AHMAD	A	A	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	1902220000011	MANISH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	1902220000013	PRAVEEN KUMAR SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
13	1902220000014	PRIYANSHU KUMAR SINGH	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	A	A	A	A
14	1902220000015	RAHUL SINGH	A	A	A	A	A	A	A	A	A	A	P	P	P	A	A	P	P	P	P	P
15	1902220000016	RAJ KIRAN	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P
16	1902220000017	RAJNISH KUMAR MISHRA	P	P	A	A	A	A	A	A	A	A	P	P	A	A	P	P	P	P	P	P
17	1902220000018	SAGAR PASWAN	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P	A	A	A	A	A
18	1902220000019	SHAFIA NAZIR	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A	A	P	P	P
19	1902220000020	SHAURYA PRATAP SINGH	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
20	1902220000021	SHREE PRAKASH	P	P	A	A	A	A	A	A	A	A	P	P	P	P	P	P	P	P	P	P
21	1902220000022	SHUBHAM PANDIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	1902220000023	SUDHAKAR MISHRA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	1902220000024	UJJWAL KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	1902220000025	UPENDRA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
25	2002220009001	ABDUL MAJID	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	2002220009002	MADHAV DIXIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	2002220009003	PRATYUSH ANAND	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P
28	2002220009004	SHEETAL KUMARI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

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Department of Civil Engineering
Marks Assessment sheet

Batch 2019-23
session 2020-21
Sub: STAAD Pro Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.	Not able to generate any model	Able to generate basic 2D model.	Able to generate object oriented instinctive 2D graphic model.	Able to generate basic 3D graphic model.	Able to generate object oriented instinctive 2D and 3D graphic model.
CO-2	know the use of simple command language and built-in command file editor.	Don't know the use of command language.	know very few command language	Know few commands and little knowledge of built in command file editor.	Know all commands and little knowledge of built in command file editor.	Know all the commands of simple command language and built in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation	Not able to perform plate & shell element	Able to perform plate and shell element but not accurate.	Able to perform plate and shell element accurate but not numerically efficient.	Able to perform plate and shell element accurate and numerically efficient incorporating out of plane shear & in plane rotation.	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes	Not able to design any structural element.	Able to design concrete beams and columns.	Able to design concrete beams, columns and slabs.	Able to design concrete beams, columns, slabs and footings as per IS code.	Able to design concrete beams, columns, slabs and footings as per all major Design Codes.

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Course Outcome (COs)	
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.
CO-2	Know the use of simple command language and built-in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation.
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes.

S.No.	Roll No.	Name of the Students	Able to complete object-oriented instinctive 2D and 3D graphic model generation. (CO1)		Know the use of simple command language and built-in command file editor.(CO2)		Able to perform accurate and numerically efficient plate & shell elements (CO3)		Design concrete beams,columns,slabs and footings as per all major Design Codes.(CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	1822200013	HARSHIT SINGH[EX]	8	5	18	5	7	4	8	5	41
2	1822200019	MOHD SARFARAZ	5	3	11	3	4	3	4	3	24
3	1902220000001	AARTI VERMA	8	5	19	5	7	4	6	4	40
4	1902220000002	ABDULLAH	8	5	15	4	9	5	6	4	38
5	1902220000003	AMBER SHAMSH	9	5	11	3	9	5	8	5	37
6	1902220000005	ANIL KUMAR	10	5	15	4	9	5	8	5	42
7	1902220000006	BASIT BASHIR WANI	10	5	19	5	7	4	8	5	44
8	1902220000007	DEV RAJ	9	5	19	5	9	5	9	5	46
9	1902220000008	DIVYANSH SINGH	7	4	0	1	7	4	8	5	22
10	1902220000010	IRFAN AHMAD	10	5	19	5	9	5	10	5	48
11	1902220000011	MANISH KUMAR	10	5	18	5	9	5	9	5	46
12	1902220000013	PRAVEEN KUMAR SINGH	9	5	19	5	7	4	7	4	42
13	1902220000014	PRIYANSHU KUMAR SINGH	8	5	18	5	7	4	7	4	40
14	1902220000015	RAHUL SINGH	5	3	9	3	3	2	4	3	21
15	1902220000016	RAJ KIRAN	10	5	17	5	7	4	8	5	42
16	1902220000017	RAJNISH KUMAR MISHRA	4	3	7	2	5	3	4	3	20
17	1902220000018	SAGAR PASWAN	2	2	10	3	2	2	4	3	18
18	1902220000019	SHAFIA NAZIR	8	5	15	4	7	4	8	5	38
19	1902220000020	SHAURYA PRATAP SINGH	10	5	13	4	9	5	8	5	40
20	1902220000021	SHREE PRAKASH	5	3	10	3	4	3	3	2	22
21	1902220000022	SHUBHAM PANDIT	8	5	18	5	7	4	9	5	42
22	1902220000023	SUDHAKAR MISHRA	8	5	15	4	9	5	8	5	40
23	1902220000024	UJJWAL KUMAR	9	5	14	4	9	5	6	4	38
24	1902220000025	UPENDRA KUMAR	9	5	13	4	9	5	6	4	37
25	2002220009001	ABDUL MAJID	8	5	16	5	8	5	8	5	40
26	2002220009002	MADHAV DIXIT	10	5	17	5	9	5	8	5	44
27	2002220009003	PRATYUSH ANAND	10	5	19	5	9	5	10	5	48
28	2002220009004	SHEETAL KUMARI	10	5	19	5	9	5	10	5	48

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AUTOCAD TRAINING BROCHURE

SESSION: 2021-22

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CAD Training (AutoCAD)

Topics

Major Topics	Topics to be covered
Introduction	About Auto Cad , Hardware & Software
General Concept	Mysetup
	Co-Ordinate Object Selection
	object Snap System
Drawing tools:	Line
	X-line
	Arc
	Point
	Rectangle
	Circle
	Polyline
	Polygone
	Ellips
	Text
	Mtext
	ED
Modify tools:	Erase
	oops
	move
	Copy
	Rotate
	Scale
	Stretch
	Mirror
	Array
	Change Point
	Break
	Lengthen
	Trim
	Extend
	fillet
	Chamfer
	Offset
Practice Sheet	Practice Sheet-1-5
	Practice Sheet-6-10
	Practice Sheet-11-15
Editing Tools:	P-Edit
	Explode
	Undo
	Redo
Inquiry Tools:	Dist
	ID
	Area , List
Properties:	Layer
	Line Type
	Line-Wt
	Match Properties
	Ltscale
	Apply on Exercises (10 No)
Managing Contents:	Block
	W-Block
	Create & insert
	MDE
	ADC

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CAD Training (AutoCAD)

Dimensions:	Quick Linear
	Aligned
	COrdinate Baseline
	Angular
	Diameter
	Radius
	Multi leader apply on Exercises (10 No) Dim style
	Dim Edit
	Tolerances
	Hatch
	Hatch Edit
Project Work	2-D Project Wrok Day1
Project Work	2-D Project Wrok Day2
Project Work	2-D Project Wrok Day3
Isometric Drafting, Tracking & Scripting	Isoplane Left
	Isoplane Top
	Isoplane Right
	Practice Sheet 1-5(Isometrick Drafting)
	Tracking
	Introduction to Scripting
	Create Group
	Draw Gear & Using Script
	Draw Watch Using Script
	Practice Sheet (04 Exercise)
Introduction to 3D	3 D View's
	Top View
	Bottom View
	Left View
	Right View
	Front View
	Back View
	SW Isometric
	SE Isometric
	NE Isometric
	NW Isometric
	WCS,UCS
	Modeling (Box, Sphere,Cylinder,Cone,wedge,Torus)
Modeling	Extrude
	Revolve
	Intersect
	Sweep
	Loft

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CAD Training (AutoCAD)

Solid Editing	Subtract
	Union
	Extrude Face
	Color Face
	Shell
	Interspect
	Material Library
3D Operation	3D Move
	3d Rotate
	3D Array
	3D Mirror
	3d Align
	Slice
Exercises on 3d Solid Modelling	Model 1,Model2,Model3,Model4
Exercises on 3d	Model 5, Model 6, – Model 12
Practice Sheet-1	
Practice Sheet-2, Final Assessment	Practice Sheet-2, Final Assessment AutoCAD

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Value Added Course Record (Internal Trainings)

AUTOCAD TRAINING FOR 3RD SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ABID ALI	20	5	25	N	Internal	N	6006083075
2	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ANKIT YADAV	20	20	100	Y	Internal	N	7985307366
3	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ANMOL GUPTA	20	4	20	N	Internal	N	9520754888
4	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	HRITIK KUMAR	20	4	20	N	Internal	N	9102557664
5	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	MADIYA FAYAZ	20	18	90	Y	Internal	N	9315255589
6	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	MITHILESH YADAV	20	20	100	Y	Internal	N	7763088959
7	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	MD HAMMAD	20	18	90	Y	Internal	N	8809678965
8	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	PRIYANSHU SINGH	20	18	90	Y	Internal	N	9648061353
9	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	RAGHVENDRA SINGH	20	16	80	Y	Internal	N	9729420419
10	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	VISHAL CHAUHAN	20	18	90	Y	Internal	N	7464932125
11	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ADITYA PRAKASH CHAUHAN	20	20	100	Y	Internal	N	9667562964
12	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ATIF BIN ZULFI	20	14	70	Y	Internal	N	9760807844
13	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	DIVYANSH SINGH	20	16	80	Y	Internal	N	9970142110
14	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	FARHAN ALI KHAN	20	18	90	Y	Internal	N	9519427523
15	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	GAURAV MAURYA	20	18	90	Y	Internal	N	8795975146
16	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	KULDEEP KR. VARUN	20	20	100	Y	Internal	N	9999562144
17	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	PRAFULL KR. SINGH	20	4	20	N	Internal	N	7903125611
18	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	SAMAR REYAZ	20	18	90	Y	Internal	N	8800598528
19	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	VIVEK RAJ	20	18	90	Y	Internal	N	6204834200

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CIVIL ENGINEERING DEPTT. 3RD SEM
SESSION: 2021-2022

Sr. No.	Roll No	Name	Date 14-Sept	Date 21-Sept	Date 28-Sept	Date 5-Oct	Date 19-Oct	Date 26-Oct	Date 2-Nov	Date 9-Nov	Date 16-Nov	Date 23-Nov	Date 30-Nov	Date 7-Dec	Date 14-Dec	Date 21-Dec	Date 28-Dec	Date 4-Jan	Date 11-Jan	Date 18-Jan	Date 24-Jan	Date 25-Jan
1	2002220000001	ABID ALI	P	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	2002220000002	ANKIT YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	2002220000003	ANMOL GUPTA	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	2002220000004	HRITIK KUMAR	A	A	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	2002220000005	MADIYA FAYAZ	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
6	2002220000006	MITHILESH YADAV	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	2002220000007	MD HAMMAD	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
8	2002220000008	PRIYANSHU SINGH	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
9	2002220000009	RAGHVENDRA SINGH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
10	2002220000010	VISHAL CHAUHAN	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
11	2102220009001	ADITYA PRAKASH CHAUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
12	2102220009002	ATIF BIN ZULFI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	2102220009003	DIVYANSH SINGH	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	A	A	A	A	A
14	2102220009004	FARHAN ALI KHAN	A	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
15	2102220009005	GAURAV MAURYA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	2102220009006	KULDEEP KR. VARUN	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
17	2102220009007	PRAFULL KR. SINGH	A	A	A	A	A	A	A	A	A	A	A	P	P	P	P	P	P	P	P	P
18	2102220009008	SAMAR REYAZ	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A
19	2102220009009	VIVEK RAJ	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P

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Department of Civil Engineering
Marks Assessment sheet

Batch 2020-24
session 2021-22
Sub: AutoCAD Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Practicing AutoCAD tools used in drafting and design of civil design and construction industry.	Does not use the tools available in AutoCAD.	Use of very few basic tools in AutoCAD and apply it in civil design and drawing.	Use of all basic tools in AutoCAD and apply it in civil design and drawing.	Use of high precision tools in AutoCAD and apply it in Civil design and drawing.	Use of high precision tools in AutoCAD and draft drawings according to industry standards.
CO-2	Apply basic CAD concepts to develop and construct accurate 2D geometry.	Does not apply Basic CAD concepts in geometrical constructions.	Application of very few Basic CAD concepts in geometrical construction.	Application of few Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts in 2D geometrical construction with highest accuracy.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc. .	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in all types of Architectural Drawings
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc.	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc in all types of Structural Drawings

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Dept. of Civil Engg.
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Course Outcome (COs)	
CO-1	Knowledge of power and precision of various drafting and design tools utilised in AutoCAD.
CO-2	Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc .
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc. .

S.No.	Roll No.	Name of the Students	Practicing AutoCAD tools used in drafting and design of civil design and construction industry.(CO1)		Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.(CO2)		Apply elements of drafting such in creating Architectural Drawings (CO3)		Apply elements of drafting in creating Structural Drawings (CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	2007220000001	ABID ALI	4	3	4	2	2	2	2	2	12
2	2007220000002	ANKIT YADAV	9	5	18	5	9	5	9	5	45
3	2007220000003	ANMOL GUPTA	2	2	5	2	2	2	2	2	11
4	2007220000004	HRITIK KUMAR	4	3	7	2	2	2	4	3	17
5	2007220000005	MADIYA FAYAZ	9	5	17	5	9	5	9	5	44
6	2007220000006	MITHILESH YADAV	9	5	20	5	10	5	9	5	48
7	2007220000007	MD HAMMAD	8	5	15	4	8	5	7	4	38
8	2007220000008	PRIYANSHU SINGH	9	5	18	5	9	5	9	5	45
9	2007220000009	RAGHVENDRA SINGH	6	4	17	5	7	4	7	4	37
10	2007220000010	VISHAL CHAUHAN	9	5	18	5	8	5	9	5	44
11	2107220009001	ADITYA PRAKASH CHAUHAN	10	5	19	5	10	5	9	5	48
12	2107220009002	ATIF BIN ZULFI	8	5	19	5	8	5	7	4	42
13	2107220009003	DIVYANSH SINGH	8	5	17	5	8	5	7	4	40
14	2107220009004	FARHAN ALI KHAN	8	5	17	5	8	5	8	5	41
15	2107220009005	GAURAV MAURYA	10	5	18	5	10	5	7	4	45
16	2107220009006	KULDEEP KR VARUN	8	5	17	5	8	5	8	5	41
17	2107220009007	PRAFULL KR SINGH	2	2	5	2	2	2	2	2	11
18	210 220009008	SAMAR REYAZ	8	5	19	5	8	5	7	4	42
19	210 220009009	VIVEK RAJ	10	5	15	4	10	5	9	5	44

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DEPARTMENT OF CIVIL ENGINEERING

STAAD PRO TRAINING

SESSION: 2021-22

STAAD Pro Software Training – Brochure

Objective:

STAAD is the abbreviation for Structural Analysis and Design. STAAD.Pro is one of the popular software that is used for analysing & designing structures like – buildings, towers, bridges, industrial, transportation and utility structures. Designs may include any building structures like tunnels, culverts, bridges, piles, petrochemical plants; and building materials like timber, concrete, steel, cold-formed steel, and aluminium.

STAAD or STAAD.Pro was developed by Research Engineers International at Yorba Linda, CA in 1997.

To get rid of the boring & time-consuming manual procedures Structural Engineers started using automated software STAAD.Pro

Course Overview:

STAAD.Pro® is one of the most widely-used software for developing and analyzing the designs of various structures, such as petrochemical plants, tunnels, bridges etc. STAAD.Pro® v8i, the latest version, allows civil engineering individuals to analyze structural designs in terms of factors like force, load, displacements etc. Multisoft Virtual Academy STAAD.Pro® v8i online training builds expertise in using the software at a professional level in domains, including construction companies, government agencies, architecture firms etc.

Participants are equipped with various software functionalities like model generation and editing; loading analysis; concrete designing etc. The STAAD.Pro® v8i software training also offers proficiency in using the seismology; report generation; and steel and foundation design features. After completing the STAAD.Pro® v8i training, individuals can work as Structure Designers, Project Managers, Building Analysts, Quality Analysts, Bridge, Designers etc.

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STAAD PRO TRAINING

STAAD.Pro Software Capabilities:

- Analyse for time dependent effects
- Check designs for cold-formed sections
- Comply with seismic requirements
- Create finite element meshes
- Design & analyse with finite element meshes, structural models
- Design beams, columns, walls and resisting frames
- Design to international design standards

- Loads and load combinations
- Integrate slab and foundation designs
- Model reinforced concrete, steel
- Structural design documentation
- Share structural models

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DEPARTMENT OF CIVIL ENGINEERING

STAAD PRO TRAINING

Why to learn?

STAAD.Pro provides flexible modeling environment, fluent data collaboration, and advanced features. It best structural analysis & design software that supports Indian as well as all international codes.

STAAD.Pro permits structural engineers to design & analyze any type of structure virtually. Structural consultants, structural engineering firms, departments in construction companies, government agencies, owner/operators, offshore platform designers, many more are extensively using this software.

Learning Objectives:

The course will cover all the steps involved in structural analysis & designing of concrete & steel.

This course will introduce one to STAAD Pro's state of the art user interface, prevailing analysis and design engines with a sophisticated finite element (FEM), visualization tools, and dynamic analysis capabilities.

Some of the features that we focus in training include:

Model Generation: Generation of an interactive menu-driven model with concurrent 3D display 2D & 3D graphics generation using rectangular or polar coordinate systems Segments of repetitive geometry used to generate complex structural models.

- **Model Verification:** 2D/3D drawings on screen and printer/plotter full 3D shapes for frames, elements Isometric or any rotations for full 3D viewing.
- **Static Analysis:** 2D/3D analysis on the basis of state-of-the-art Matrix method to handle extremely large work. Linear, non-linear, p-delta analysis with automatic load & stiffness correction.
- **Dynamic/Seismic Analysis:** Mass modelling, frequency, and mode shape Response spectrum extraction, analysis of time history Modal damping ratio for individual models.
- **Secondary Analysis:** Finite element capabilities, concrete design, steel design, and timber design. Forces & displacements at sections between nodes. Maximum & minimum force envelopes.

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Learning Outcome:

- Student will be able to complete object-oriented instinctive 2D/3D graphic model generation.
- Student will learn to use pull-down menus, tool-tip help, and floating toolbars.
- Student will be able for carrying out flexible zooms and multiple views.
- Student will know to make isometric & perspective views and 3D shapes.
- Student will know the use of simple command language and built-in command file editor.
- Student will learn how to generate graphics/text input.
- Student will be able to do efficient algorithm that will minimize disk space requirements.
- Student will learn to take presentation quality printer plots of geometry and results as part of the run output.
- Student will be able to perform accurate and numerically efficient plate/shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation; comprehensive element stress output including in-plane stresses, out-of-plane shear, bending & principal stresses at nodal, as well as, user-specified points.
- Student will learn how to achieve user-specified design parameters to customize a design.
- Student will know to perform code check, member selection and optimized member selection consisting of analysis/design cycles.
- Student will be able to design concrete beams/columns/slabs/footings as per all major

Course Contents:

- Introduction to STAAD.Pro® V8i
- Model Generation and Editing
- Introduction to Loading
- Automatic Load Generation
- Concrete Design
- Seismology
- FEM / FEA
- Steel Design
- Report Generation
- Foundation Design

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DEPARTMENT OF CIVIL ENGINEERING

STAAD PRO TRAINING

Content Structure:

Chapter 1	Introduction to STAAD.Pro® V8i	3 hours
Chapter 2	Model Generation and Editing	3 hours
Chapter 3	Introduction to Loading	4 hours
Chapter 4	Automatic Load Generation	4 hours
Chapter 5	Concrete Design	6 hours
Chapter 6	Seismology	5 hours
Chapter 7	FEM / FEA	4 hours
Chapter 8	Steel Design	4 hours
Chapter 9	Report Generation	4 hours
Chapter 10	Foundation Design	3 hours

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Value Added Course Record (Internal Trainings)
STAAD Pro TRAINING FOR 4TH SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11		12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	ABID ALI	20	16	80	Y	Internal	N	6006083075
2	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	ANKIT YADAV	20	18	90	Y	Internal	N	7985307366
3	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	ANMOL GUPTA	20	16	80	Y	Internal	N	9520754888
4	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	HRITIK KUMAR	20	10	50	N	Internal	N	9102557664
5	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	MADIYA FAYAZ	20	18	90	Y	Internal	N	9315255589
6	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	MITHILESH YADAV	20	20	100	Y	Internal	N	7763088959
7	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	MD HAMMAD	20	16	80	Y	Internal	N	8809678965
8	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	PRIYANSHU SINGH	20	20	100	Y	Internal	N	9648061353
9	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	RAGHVENDRA SINGH	20	18	90	Y	Internal	N	9729420419
10	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	VISHAL CHAUHAN	20	18	90	Y	Internal	N	7464932125
11	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	ADITYA PRAKASH CHAUHAN	20	20	100	Y	Internal	N	9667562964
12	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	ATIF BIN ZULFI	20	18	90	Y	Internal	N	9760807844
13	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	DIVYANSH SINGH	20	16	80	Y	Internal	N	9970142110
14	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	FARHAN ALI KHAN	20	18	90	Y	Internal	N	9519427523
15	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	GAURAV MAURYA	20	20	100	Y	Internal	N	8795975146
16	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	KULDEEP KR. VARUN	20	20	100	Y	Internal	N	9999562144
17	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	PRAFULL KR. SINGH	20	2	10	N	Internal	N	7903125611
18	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	SAMAR REYAZ	20	16	80	Y	Internal	N	8800598528
19	CIVIL ENGINEERING	4	STAAD Pro	40	06-04-2022	10-06-2022	VIVEK RAJ	20	18	90	Y	Internal	N	6204834200

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CIVIL ENGINEERING DEPTT. 4TH SEM
SESSION: 2021-2022

Sr. No.	Roll No	Name	Date 6-April	Date 8-April	Date 13-April	Date 15-April	Date 20-April	Date 22-April	Date 27-April	Date 29-April	Date 4-May	Date 6-May	Date 11-May	Date 13-May	Date 18-May	Date 20-May	Date 25-May	Date 27-May	Date 1-June	Date 3-June	Date 8-June	Date 10-June
1	2002220000001	ABID ALI	P	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
2	2002220000002	ANKIT YADAV	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	2002220000003	ANMOL GUPTA	P	P	P	P	P	P	A	A	P	P	A	A	P	P	P	P	P	P	P	P
4	2002220000004	HRITIK KUMAR	A	A	P	P	P	P	P	P	P	P	A	P	A	A	A	A	P	A	A	A
5	2002220000005	MADIYA FAYAZ	A	P	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P
6	2002220000006	MITHILESH YADAV	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
7	2002220000007	MD HAMMAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	2002220000008	PRIYANSHU SINGH	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	P	A
9	2002220000009	RAGHVENDRA SINGH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	2002220000010	VISHAL CHAUHAN	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	2102220009001	ADITYA PRAKASH CHAUHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	2102220009002	ATIF BIN ZULFI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	2102220009003	DIVYANSH SINGH	P	P	P	P	A	A	P	P	P	P	P	P	P	A	A	P	P	P	P	P
14	2102220009004	FARHAN ALI KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	A	A	P	P
15	2102220009005	GAURAV MAURYA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
16	2102220009006	KULDEEP KR. VARUN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	2102220009007	PRAFULL KR. SINGH	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P	P	A	A	A	A
18	2102220009008	SAMAR REYAZ	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A	A	P	P	P
19	2102220009009	VIVEK RAJ	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P

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Department of Civil Engineering
Marks Assessment sheet

Batch 2020-24
session 2021-22
Sub: STAAD Pro Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.	Not able to generate any model	Able to generate basic 2D model.	Able to generate object oriented instinctive 2D graphic model.	Able to generate basic 3D graphic model.	Able to generate object oriented instinctive 2D and 3D graphic model.
CO-2	know the use of simple command language and built-in command file editor.	Don't know the use of command language.	know very few command language	Know few commands and little knowledge of built in command file editor.	Know all commands and little knowledge of built in command file editor.	Know all the commands of simple command language and built in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation	Not able to perform plate & shell element	Able to perform plate and shell element but not accurate.	Able to perform plate and shell element accurate but not numerically efficient.	Able to perform plate and shell element accurate and numerically efficient incorporating out of plane shear & in plane rotation.	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes	Not able to design any structural element.	Able to design concrete beams and columns	Able to design concrete beams, columns and slabs	Able to design concrete beams, columns, slabs and footings as per IS code.	Able to design concrete beams, columns, slabs and footings as per all major Design Codes.

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Course Outcome (COs)	
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.
CO-2	Know the use of simple command language and built-in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation.
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes.

S.No.	Roll No.	Name of the Students	Able to complete object-oriented instinctive 2D and 3D graphic model generation. (CO1)		Know the use of simple command language and built-in command file editor.(CO2)		Able to perform accurate and numerically efficient plate & shell elements (CO3)		Design concrete beams,columns,slabs and footings as per all major Design Codes.(CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	2002220000001	ABID ALI	8	5	18	5	7	4	8	5	41
2	2002220000002	ANKIT YADAV	8	5	15	4	7	4	7	4	37
3	2002220000003	ANMOL GUPTA	8	5	19	5	7	4	6	4	40
4	2002220000004	HRITIK KUMAR	2	2	5	2	2	2	2	2	11
5	2002220000005	MADIYA FAYAZ	9	5	11	3	9	5	8	5	37
6	2002220000006	MITHILESH YADAV	10	5	15	4	9	5	8	5	42
7	2002220000007	MD HAMMAD	10	5	19	5	7	4	8	5	44
8	2002220000008	PRIYANSHU SINGH	9	5	19	5	9	5	9	5	46
9	2002220000009	RAGHVENDRA SINGH	7	4	18	5	7	4	8	5	40
10	2002220000010	VISHAL CHAUHAN	10	5	19	5	9	5	10	5	48
11	2102220009001	ADITYA PRAKASH CHAUHAN	10	5	18	5	9	5	9	5	46
12	2102220009002	ATIF BIN ZULFI	9	5	19	5	7	4	7	4	42
13	2102220009003	DIVYANSH SINGH	8	5	18	5	7	4	7	4	40
14	2102220009004	FARHAN ALI KHAN	8	5	15	4	7	4	7	4	37
15	2102220009005	GAURAV MAURYA	10	5	17	5	7	4	8	5	42
16	2102220009006	KULDEEP KR. VARUN	9	5	18	5	9	5	9	5	45
17	2102220009007	PRAFULL KR. SINGH	2	2	10	3	2	2	4	3	18
18	2102220009008	SAMAR REYAZ	8	5	15	4	7	4	8	5	38
19	2102220009009	VIVEK RAJ	10	5	13	4	9	5	8	5	40

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AUTOCAD TRAINING BROCHURE

SESSION: 2022-23

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CAD Training (AutoCAD)

Topics

Major Topics	Topics to be covered
Introduction	About Auto Cad , Hardware & Software
General Concept	Mvsetup
	Co-Ordinate Object Selection
	object Snap System
Drawing tools:	Line
	X-line
	Arc
	Point
	Rectangle
	Circle
	Polyline
	Polygone
	Elips
	Text
	Mtext
	ED
Modify tools:	Erase
	oops
	move
	Copy
	Rotate
	Scale
	Stretch
	Mirror
	Array
	Change Point
	Break
	Lengthen
	Trim
	Extend
	fillet
	Chamfer
	Offset
Practice Sheet	Practice Sheet-1-5
	Practice Sheet-6-10
	Practice Sheet-11-15
Editing Tools:	P-Edit
	Explode
	Undo
	Redo
Inquiry Tools:	Dist
	ID
	Area , List
Properties:	Layer
	Line Type
	Line-Wt
	Match Properties
	Ltscale
	Apply on Exercises (10 No)
Managing Contents:	Block
	W-Block
	Create & insert
	MDE
	ADC

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Dimensions:	Quick Linear
	Aligned
	COrdinate Baseline
	Angular
	Diameter
	Radius
	Multi leader apply on Exercises (10 No) Dim style
	Dim Edit
	Tolerances
	Hatch
	Hatch Edit
Project Work	2-D Project Wrok Day1
Project Work	2-D Project Wrok Day2
Project Work	2-D Project Wrok Day3
Isometric Drafting, Tracking & Scripting	Isoplane Left
	Isoplane Top
	Isoplane Right
	Practice Sheet 1-5(Isometrick Drafting)
	Tracking
	Introduction to Scripting
	Create Group
	Draw Gear & Using Script
	Draw Watch Using Script
	Practice Sheet (04 Exercise)
Introduction to 3D	3 D View's
	Top View
	Bottom View
	Left View
	Right View
	Front View
	Back View
	SW Isometric
	SE Isometric
	NE Isometric
	NW Isometric
	WCS,UCS
	Modeling (Box, Sphere,Cylinder,Cone,wedge,Torus)
Modeling	Extrude
	Revolve
	Intersect
	Sweep
	Loft

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CAD Training (AutoCAD)

Solid Editing	Subtract
	Union
	Extrude Face
	Color Face
	Shell
	Intersect
	Material Library
3D Operation	3D Move
	3d Rotate
	3D Array
	3D Mirror
	3d Align
	Slice
Exercises on 3d Solid Modeling	Model 1,Model2,Model3,Model4
Exercises on 3d	Model 5, Model 6, -- Model 12
Practice Sheet-1	
Practice Sheet-2, Final Assesment	Practice Sheet-2, Final Assesment AutoCAD

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Value Added Course Record (Internal Trainings)

AUTOCAD TRAINING FOR 3RD SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11		12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	ANKIT KUMAR	20	18	90	Y	Internal	N	7352082518
2	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	ARJUN SHARMA	20	20	100	Y	Internal	N	8491914755
3	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	ARYA VEER	20	16	80	Y	Internal	N	9412114351
4	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	DEVANSH KUMAR	20	20	100	Y	Internal	N	8957117068
5	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	DEVANSHU	20	18	90	Y	Internal	N	8709725230
6	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	KUNDAN KUMAR	20	20	100	Y	Internal	N	7903898099
7	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	PIYUSH SHARMA	20	18	90	Y	Internal	N	7006384339
8	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	PRATYAKSH SACHAN	20	18	90	Y	Internal	N	9696003650
9	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	RITIK RAJ	20	16	80	Y	Internal	N	7004124543
10	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	RONALDROSS CHONGROJU	20	10	50	N	Internal	N	9862063453
11	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	SENITIYANGER LONGKUMER	20	4	20	N	Internal	N	9863419150
12	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	SHYAM MUKHIYA	20	14	70	Y	Internal	N	9717762758
13	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	DEVENDRA PRATAP YADAV	20	16	80	Y	Internal	N	7409583654
14	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	DINESH KUMAR	20	18	90	Y	Internal	N	7070489545
15	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	DUSHYANT SHARMA	20	18	90	Y	Internal	N	9997666491
16	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	HIMANSHU	20	20	100	Y	Internal	N	9711841438
17	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	KAPIL KUMAR GAUTAM	20	18	90	Y	Internal	N	7982937293
18	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	KUMARI DEEPA	20	18	90	Y	Internal	N	7084858967
19	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	NIKHIL KUMAR SHAKYA	20	18	90	Y	Internal	N	7065131339
20	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	ROAF ISHAQ WANI	20	18	90	Y	Internal	N	6006149326
21	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	TANNU DEVI	20	18	90	Y	Internal	N	8396952485
22	CIVIL ENGINEERING	3	AutoCAD	40	13-09-2022	24-01-2023	UDAY PRATAP	20	18	90	Y	Internal	N	8574564157

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CIVIL ENGINEERING DEPTT. 3RD SEM

SESSION: 2021-2022

Sr. No.	Roll No	Name	Date 13-Sept	Date 20-Sept	Date 27-Sept	Date 4-Oct	Date 18-Oct	Date 25-Oct	Date 1-Nov	Date 8-Nov	Date 15-Nov	Date 22-Nov	Date 29-Nov	Date 6-Dec	Date 13-Dec	Date 20-Dec	Date 27-Dec	Date 3-Jan	Date 10-Jan	Date 17-Jan	Date 23-Jan	Date 24-Jan
1	2102220000002	ANKIT KUMAR	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
2	2102220000003	ARJUN SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	2102220000004	ARYA VEER	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P
4	2102220000005	DEVANSH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	2102220000006	DEVANSHU	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
6	2102220000008	KUNDAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
7	2102220000010	PIYUSH SHARMA	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
8	2102220000011	PRATYAKSH SACHAN	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
9	2102220000012	RITIK RAJ	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
10	2102220000013	RONALDROSS CHONGROJU	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P
11	2102220000014	SENITIYANGER LONGKUMER	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	2102220000016	SHYAM MUKHIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	A	A	A	A
13	2202220009001	DEVENDRA PRATAP YADAV	P	P	P	P	A	A	P	P	P	P	P	P	P	P	A	A	A	A	A	A
14	2202220009002	DINESH KUMAR	A	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
15	2202220009003	DUSHYANT SHARMA	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
16	2202220009004	HIMANSHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	2202220009005	KAPIL KUMAR GAUTAM	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	2202220009006	KUMARI DEEPA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
19	2202220009007	NIKHIL KUMAR SHAKYA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
20	2202220009008	ROAF ISHAQ WANI	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	2202220009009	TANNU DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P
22	2202220009010	UDAY PRATAP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P

Dept. of Civil Engineering
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Department of Civil Engineering
Marks Assessment sheet

Batch 2021-25
session 2022-23
Sub: AutoCAD Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Practicing AutoCAD tools used in drafting and design of civil design and construction industry.	Does not use the tools available in AutoCAD.	Use of very few basic tools in AutoCAD and apply it in civil design and drawing.	Use of all basic tools in AutoCAD and apply it in civil design and drawing.	Use of high precision tools in AutoCAD and apply it in Civil design and drawing.	Use of high precision tools in AutoCAD and draft drawings according to industry standards.
CO-2	Apply basic CAD concepts to develop and construct accurate 2D geometry.	Does not apply Basic CAD concepts in geometrical constructions.	Application of very few Basic CAD concepts in geometrical construction.	Application of few Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts in 2D geometrical construction with highest accuracy.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc. .	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in Architectural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in all types of Architectural Drawings
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc. .	There is no application of elements of drafting	Application of very few elements of drafting in projects	Application of all the major elements of drafting in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in Structural Drawings.	Application of all the elements of drafting such as layers, dimensions, etc. in all types of Structural Drawings

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Course Outcome (COs)	
CO-1	Knowledge of power and precision of various drafting and design tools utilised in AutoCAD.
CO-2	Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.
CO-3	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Architectural Drawings such as working plans, landscape, elevations, section, etc. .
CO-4	Apply elements of drafting such as layers, dimensions, drawing formats, and 2D figures in creating Structural Drawings such as layouts, engineering drawings, foundation plan, etc. ,

S.No.	Roll No.	Name of the Students	Practicing AutoCAD tools used in drafting and design of civil design and construction industry.(CO1)		Apply basic tools and CAD concepts to develop and construct accurate 2D geometry.(CO2)		Apply elements of drafting such in creating Architectural Drawings (CO3)		Apply elements of drafting in creating Structural Drawings (CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	2102220000002	ANKIT KUMAR	9	5	17	5	9	5	9	5	44
2	2102220000003	ARJUN SHARMA	9	5	18	5	9	5	9	5	45
3	2102220000004	ARYA VEER	8	5	15	4	8	5	7	4	38
4	2102220000005	DEVANSH KUMAR	9	5	18	5	9	5	9	5	45
5	2102220000006	DEVANSHU	9	5	17	5	9	5	9	5	44
6	2102220000008	KUNDAN KUMAR	9	5	20	5	10	5	9	5	48
7	2102220000010	PIYUSH SHARMA	8	5	15	4	8	5	7	4	38
8	2102220000011	PRATYAKSH SACHAN	9	5	18	5	9	5	9	5	45
9	2102220000012	RITIK RAJ	6	4	17	5	7	4	7	4	37
10	2102220000013	RONALDROSS CHONGROJU	2	2	5	2	2	2	2	2	11
11	2102220000014	SENITIYANGER LONGKUMER	4	3	4	2	2	2	2	2	12
12	2102220000016	SHYAM MUKHIYA	8	5	19	5	8	5	7	4	42
13	2202220009001	DEVENDRA PRATAP YADAV	8	5	17	5	8	5	7	4	40
14	2202220009002	DINESH KUMAR	8	5	17	5	8	5	8	5	41
15	2202220009003	DUSHYANT SHARMA	10	5	18	5	10	5	7	4	45
16	2202220009004	HIMANSHU	8	5	17	5	8	5	8	5	41
17	2202220009005	KAPIL KUMAR GAUTAM	10	5	18	5	10	5	7	4	45
18	2202220009006	KUMARI DEEPA	8	5	19	5	8	5	7	4	42
19	2202220009007	NIKHIL KUMAR SHAKYA	10	5	15	4	10	5	9	5	44
20	2202220009008	ROAF ISHAQ WANI	8	5	19	5	8	5	7	4	42
21	2202220009009	TANNU DEVI	10	5	19	5	10	5	9	5	48
22	2202220009010	UDAY PRATAP	6	4	17	5	7	4	7	4	37

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DEPARTMENT OF CIVIL ENGINEERING

STAAD PRO TRAINING

SESSION: 2022-23

STAAD Pro Software Training – Brochure

Objective:

STAAD is the abbreviation for Structural Analysis and Design. STAAD.Pro is one of the popular software that is used for analysing & designing structures like – buildings, towers, bridges, industrial, transportation and utility structures. Designs may include any building structures like tunnels, culverts, bridges, piles, petrochemical plants; and building materials like timber, concrete, steel, cold-formed steel, and aluminium.

STAAD or STAAD.Pro was developed by Research Engineers International at Yorba Linda, CA in 1997.

To get rid of the boring & time-consuming manual procedures Structural Engineers started using automated software STAAD.Pro

Course Overview:

STAAD.Pro® is one of the most widely-used software for developing and analyzing the designs of various structures, such as petrochemical plants, tunnels, bridges etc. STAAD.Pro® v8i, the latest version, allows civil engineering individuals to analyze structural designs in terms of factors like force, load, displacements etc. Multisoft Virtual Academy STAAD.Pro® v8i online training builds expertise in using the software at a professional level in domains, including construction companies, government agencies, architecture firms etc.

Participants are equipped with various software functionalities like model generation and editing; loading analysis; concrete designing etc. The STAAD.Pro® v8i software training also offers proficiency in using the seismology; report generation; and steel and foundation design features. After completing the STAAD.Pro® v8i training, individuals can work as Structure Designers, Project Managers, Building Analysts, Quality Analysts, Bridge, Designers etc.

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STAAD PRO TRAINING

STAAD.Pro Software Capabilities:

- Analyse for time dependent effects
- Check designs for cold-formed sections
- Comply with seismic requirements
- Create finite element meshes
- Design & analyse with finite element meshes, structural models
- Design beams, columns, walls and resisting frames
- Design to international design standards

- Loads and load combinations
- Integrate slab and foundation designs
- Model reinforced concrete, steel
- Structural design documentation
- Share structural models

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STAAD PRO TRAINING

Why to learn?

STAAD.Pro provides flexible modeling environment, fluent data collaboration, and advanced features. It best structural analysis & design software that supports Indian as well as all international codes.

STAAD.Pro permits structural engineers to design & analyze any type of structure virtually. Structural consultants, structural engineering firms, departments in construction companies. government agencies, owner/operators, offshore platform designers, many more are extensively using this software.

Learning Objectives:

The course will cover all the steps involved in structural analysis & designing of concrete & steel.

This course will introduce one to STAAD Pro's state of the art user interface, prevailing analysis and design engines with a sophisticated finite element (FEM), visualization tools, and dynamic analysis capabilities.

Some of the features that we focus in training include:

Model Generation: Generation of an interactive menu-driven model with concurrent 3D display 2D & 3D graphics generation using rectangular or polar coordinate systems Segments of repetitive geometry used to generate complex structural models.

- **Model Verification:** 2D/3D drawings on screen and printer/plotter full 3D shapes for frames, elements Isometric or any rotations for full 3D viewing.
- **Static Analysis:** 2D/3D analysis on the basis of state-of-the-art Matrix method to handle extremely large work. Linear, non-linear, p-delta analysis with automatic load & stiffness correction.
- **Dynamic/Seismic Analysis:** Mass modelling, frequency, and mode shape Response spectrum extraction, analysis of time history Modal damping ratio for individual models.
- **Secondary Analysis:** Finite element capabilities, concrete design, steel design, and timber design. Forces & displacements at sections between nodes. Maximum & minimum force envelopes.

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Learning Outcome:

- Student will be able to complete object-oriented instinctive 2D/3D graphic model generation.
- Student will learn to use pull-down menus, tool-tip help, and floating toolbars.
- Student will be able for carrying out flexible zooms and multiple views.
- Student will know to make isometric & perspective views and 3D shapes.
- Student will know the use of simple command language and built-in command file editor.
- Student will learn how to generate graphics/text input.
- Student will be able to do efficient algorithm that will minimize disk space requirements.
- Student will learn to take presentation quality printer plots of geometry and results as part of the run output.
- Student will be able to perform accurate and numerically efficient plate/shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation; comprehensive element stress output including in-plane stresses, out-of-plane shear, bending & principal stresses at nodal, as well as, user-specified points.
- Student will learn how to achieve user-specified design parameters to customize a design.
- Student will know to perform code check, member selection and optimized member selection consisting of analysis/design cycles.
- Student will be able to design concrete beams/columns/slabs/footings as per all major

Course Contents:

- Introduction to STAAD.Pro® V8i
- Model Generation and Editing
- Introduction to Loading
- Automatic Load Generation
- Concrete Design
- Seismology
- FEM / FEA
- Steel Design
- Report Generation
- Foundation Design

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Content Structure:

Chapter 1	Introduction to STAAD.Pro® V8i	3 hours
Chapter 2	Model Generation and Editing	3 hours
Chapter 3	Introduction to Loading	4 hours
Chapter 4	Automatic Load Generation	4 hours
Chapter 5	Concrete Design	6 hours
Chapter 6	Seismology	5 hours
Chapter 7	FEM / FEA	4 hours
Chapter 8	Steel Design	4 hours
Chapter 9	Report Generation	4 hours
Chapter 10	Foundation Design	3 hours

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Value Added Course Record (Internal Trainings)
STAAD Pro TRAINING FOR 4TH SEM CED STUDENTS

1	2	3	4	5	6	7	8	9	10	11		12	13	14
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)	Contact number of Trainee
1	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	ANKIT KUMAR	20	16	80	Y	Internal	N	7352082518
2	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	ARJUN SHARMA	20	18	90	Y	Internal	N	8491914755
3	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	ARYA VEER	20	16	80	Y	Internal	N	9412114351
4	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	DEVANSH KUMAR	20	20	100	Y	Internal	N	8957117068
5	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	DEVANSHU	20	18	90	Y	Internal	N	8709725230
6	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	KUNDAN KUMAR	20	20	100	Y	Internal	N	7903898099
7	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	PIYUSH SHARMA	20	16	80	Y	Internal	N	7006384339
8	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	PRATYAKSH SACHAN	20	20	100	Y	Internal	N	9696003650
9	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	RITIK RAJ	20	18	90	Y	Internal	N	7004124543
10	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	RONALDROSS CHONGROJU	20	18	90	Y	Internal	N	9862063453
11	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	SENITIYANGER LONGKUMER	20	2	10	N	Internal	N	9863419150
12	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	SHYAM MUKHIYA	20	18	90	Y	Internal	N	9717762758
13	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	DEVENDRA PRATAP YADAV	20	16	80	Y	Internal	N	7409583654
14	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	DINESH KUMAR	20	18	90	Y	Internal	N	7070489545
15	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	DUSHYANT SHARMA	20	20	100	Y	Internal	N	9997666491
16	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	HIMANSHU	20	20	100	Y	Internal	N	9711841438
17	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	KAPIL KUMAR GAUTAM	20	20	100	Y	Internal	N	7982937293
18	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	KUMARI DEEPA	20	16	80	Y	Internal	N	7084858967
19	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	NIKHIL KUMAR SHAKYA	20	18	90	Y	Internal	N	7065131339
20	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	ROAF ISHAQ WANI	20	18	90	Y	Internal	N	6006149326
21	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	TANNU DEVI	20	18	90	Y	Internal	N	8396952485
22	CIVIL ENGINEERING	4	STAAD Pro	40	12-04-2023	23-08-2023	UDAY PRATAP	20	20	100	Y	Internal	N	8574564157

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CIVIL ENGINEERING DEPTT. 4TH SEM

SESSION: 2021-2022

Sr. No.	Roll No	Name	Date 12-April	Date 19-April	Date 26-April	Date 3-May	Date 10-May	Date 17-May	Date 24-May	Date 31-May	Date 7-June	Date 14-June	Date 21-June	Date 28-June	Date 5-July	Date 12-July	Date 19-July	Date 26-July	Date 2-Aug	Date 9-Aug	Date 16-Aug	Date 23-Aug
1	2102220000002	ANKIT KUMAR	P	P	P	P	A	P	A	P	P	A	P	P	P	A	P	P	P	P	P	P
2	2102220000003	ARJUN SHARMA	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
3	2102220000004	ARYA VEER	P	P	P	P	P	P	A	A	P	P	A	A	P	P	P	P	P	P	P	P
4	2102220000005	DEVANSH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	2102220000006	DEVANSHU	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	2102220000008	KUNDAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
7	2102220000010	PIYUSH SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	2102220000011	PRATYAKSH SACHAN	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	A	P	P	A
9	2102220000012	RITIK RAJ	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	2102220000013	RONALDROSS CHONGROJU	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	2102220000014	SENITIYANGER LONGKUMER	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	2102220000016	SHYAM MUKHIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
13	2202220009001	DEVENDRA PRATAP YADAV	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	A	A	P	P
14	2202220009002	DINESH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
15	2202220009003	DUSHYANT SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	2202220009004	HIMANSHU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	2202220009005	KAPIL KUMAR GAUTAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	2202220009006	KUMARI DEEPA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	2202220009007	NIKHIL KUMAR SHAKYA	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	A	A	P	P	P
20	2202220009008	ROAF ISHAQ WANI	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
21	2202220009009	TANNU DEVI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
22	2202220009010	UDAY PRATAP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P

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Department of Civil Engineering
Marks Assessment sheet

Batch 2021-25
session 2022-23
Sub: STAAD Pro Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.	Not able to generate any model	Able to generate basic 2D model.	Able to generate object oriented instinctive 2D graphic model.	Able to generate basic 3D graphic model.	Able to generate object oriented instinctive 2D and 3D graphic model.
CO-2	know the use of simple command language and built-in command file editor.	Don't know the use of command language.	know very few command language	Know few commands and little knowledge of built in command file editor.	Know all commands and little knowledge of built in command file editor.	Know all the commands of simple command language and built in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation	Not able to perform plate & shell element	Able to perform plate and shell element but not accurate.	Able to perform plate and shell element accurate but not numerically efficient.	Able to perform plate and shell element accurate and numerically efficient incorporating out of plane shear & in plane rotation.	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes	Not able to design any structural element	Able to design concrete beams and columns.	Able to design concrete beams, columns and slabs.	Able to design concrete beams, columns, slabs and footings as per IS code.	Able to design concrete beams, columns, slabs and footings as per all major Design Codes.

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Course Outcome (COs)	
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.
CO-2	Know the use of simple command language and built-in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & shell element incorporating out-of-plane shear & in-plane rotation; automatic element mesh generation.
CO-4	Design concrete beams,columns,slabs and footings as per all major Design Codes.

S.No.	Roll No.	Name of the Students	Able to complete object-oriented instinctive 2D and 3D graphic model generation. (CO1)		Know the use of simple command language and built-in command file editor.(CO2)		Able to perform accurate and numerically efficient plate & shell elements (CO3)		Design concrete beams,columns,slabs and footings as per all major Design Codes.(CO4)		Internal Marks
			10		20		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	2102220000002	ANKIT KUMAR	9	5	17	5	9	5	9	5	44
2	2102220000003	ARJUN SHARMA	9	5	18	5	9	5	9	5	45
3	2102220000004	ARYA VEER	8	5	15	4	8	5	7	4	38
4	2102220000005	DEVANSH KUMAR	9	5	18	5	9	5	9	5	45
5	2102220000006	DEVANSHU	9	5	17	5	9	5	9	5	44
6	2102220000008	KUNDAN KUMAR	9	5	20	5	10	5	9	5	48
7	2102220000010	PIYUSH SHARMA	8	5	15	4	8	5	7	4	38
8	2102220000011	PRATYAKSH SACHAN	9	5	18	5	9	5	9	5	45
9	2102220000012	RITIK RAJ	6	4	17	5	7	4	7	4	37
10	2102220000013	RONALDROSS CHONGROJU	8	5	16	5	8	5	8	5	40
11	2102220000014	SENITIYANGER LONGKUMER	4	3	4	2	2	2	2	2	12
12	2102220000016	SHYAM MUKHIYA	8	5	19	5	8	5	7	4	42
13	2202220009001	DEVENDRA PRATAP YADAV	8	5	17	5	8	5	7	4	40
14	2202220009002	DINESH KUMAR	8	5	17	5	8	5	8	5	41
15	2202220009003	DUSHYANT SHARMA	10	5	18	5	10	5	7	4	45
16	2202220009004	HIMANSHU	8	5	17	5	8	5	8	5	41
17	2202220009005	KAPIL KUMAR GAUTAM	10	5	18	5	10	5	7	4	45
18	2202220009006	KUMARI DEEPA	8	5	19	5	8	5	7	4	42
19	2202220009007	NIKHIL KUMAR SHAKYA	10	5	15	4	10	5	9	5	44
20	2202220009008	ROAF ISHAQ WANI	8	5	19	5	8	5	7	4	42
21	2202220009009	TANNU DEVI	10	5	19	5	10	5	9	5	48
22	2202220009010	UDAY PRATAP	6	4	17	5	7	4	7	4	37

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1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Status (Y/N)	Contact number of Trainee	Company Name and Contact	Monthly Salary (INR)	Placement Date
1	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Abhay Pratap Singh	112	90	80.36	Yes						
2	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Guru Pratap Singh	112	90	80.36	Yes						
3	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Harsh Kumar Prajapati	112	85	75.89	Yes						
4	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	HARSHIT SHARMA	112	85	75.89	Yes						
5	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Md Adil	112	86	76.79	Yes						
6	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Md Ismail	112	86	76.79	Yes						
7	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Nitin Sharma	112	90	80.36	Yes						
8	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Sachin Sharma	112	100	89.29	Yes						
9	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Abhishek Paswan	112	50	44.64	No						
10	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Himanshu Kumar	112	86	76.79	Yes						
11	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Md Sameer Ibrar	112	85	75.89	Yes						
12	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Nikhil Nagar	112	85	75.89	Yes						
13	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Prashant Pandey	112	100	89.29	Yes						
14	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Rohil Khan	112	50	44.64	No						
15	ME	3rd & 4th	CAD Training (AutoCAD)	112	01/09/2023	30/07/2023	Shivam Kumar	112	50	44.64	No						
16	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Abhishek Sharma	38	32	84.21	Yes						
17	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Adarsh Kumar Mishra	38	32	84.21	Yes						
18	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Deepanjan	38	36	94.74	Yes						
19	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Konika Thakur	38	30	78.95	Yes						
20	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Md Aamir Raza	38	30	78.95	Yes						
21	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Rakesh Kumar Chauhan	38	32	84.21	Yes						
22	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	Shiabh Kumar Kapil	38	30	78.95	Yes						
23	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	SURAJ KUMAR	38	31	81.58	Yes						
24	ME	5th & 6th	CAD Training (AutoCAD)	38	07/09/2022	03/05/2023	ABDUL HASIB	38	30	78.95	No						

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Value Added Course Record (Internal Trainings)

1	2	3	4	5	6	7	8	9	10	11	
S.No.	Department	SEM	Training Name	Total Hours of Trainin	Training Start Date	Training End Date	Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successful
1	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210169	SAURABH KUMAR SINGH	46	36	78.26	Yes
2	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210174	SURAJ DUBEY	46	36	78.26	Yes
3	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210037	BASRA JAHANGIR	46	40	86.96	Yes
4	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210091	MOHIT PAREEK	46	35	76.09	Yes
5	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210142	SAKET KUMAR JAISWAL	46	36	78.26	Yes
6	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210158	SHIVAM KAPASIA	46	36	78.26	Yes
7	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210171	SUMIT KUMAR	46	36	78.26	Yes
8	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210175	SURAJ KUMAR	46	36	78.26	Yes
9	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210186	VINAYAK TYAGI	46	40	86.96	Yes
10	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210098	NITISH RAJ	46	30	65.22	No
11	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210026	ANVESH KUMAR MISHRA	46	36	78.26	Yes
12	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1722210903	SHIVAM SINGH	46	40	86.96	Yes
13	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210046	DHRUVY AGARWAL	46	36	78.26	Yes
14	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210086	MINSHUL SHARMA	46	36	78.26	Yes
15	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210076	MAMTA	46	36	78.26	Yes
16	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210162	SHIVANI RANA	46	26	56.52	No
17	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210099	NIVESH TIWARI	46	36	78.26	Yes
18	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210170	SUDHA SINGH	46	36	78.26	Yes
19	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210096	NIMIT TYAGI	46	38	82.61	Yes
20	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210116	PREETAM KR. VISEN	46	36	78.26	Yes
21	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210165	SHUBHAM KUMAR THAKUR	46	40	86.96	Yes
22	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210172	SUMIT KUMAR	46	36	78.26	Yes
23	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210029	ARYAN RAJ	46	38	82.61	Yes
24	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210151	SAURAV RANJAN SINGH	46	38	82.61	Yes
25	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210074	KUMAR SANU	46	38	82.61	Yes
26	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210160	SHIVAM SRIVASTAVA	46	38	82.61	Yes
27	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210018	ANKIT SINGH BHADAURIA	46	26	56.52	No
28	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210157	SHIV NARAYAN PRASAD	46	36	78.26	Yes
29	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210126	RAJ KUMAR	46	36	78.26	Yes
30	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210078	MANISH KUMAR	46	40	86.96	Yes
31	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210005	ABHISHEK KUMAR	46	40	86.96	Yes

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32	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210134	RISHAV RAI	46	36	78.26	Yes
33	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210106	PRABHAT SINGH	46	36	78.26	Yes
34	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1522210148	SHIV KUMAR YADAV	46	38	82.61	Yes
35	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210117	PREM KUMAR	46	38	82.61	Yes
36	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210097	NITIN KUMAR	46	36	78.26	Yes
37	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210100	PALLAVI UPADHYAY	46	36	78.26	Yes
38	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210054	GAURAV BHARDWAJ	46	26	56.52	No
39	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210112	PRATEEK CHATURVEDI	46	36	78.26	Yes
40	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210109	PRAKHAR JAIN	46	36	78.26	Yes
41	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210013	ANANDHU KM	46	36	78.26	Yes
42	CSE	5th & 6th	Software Testing	46	27-08-2018	12-04-2019	1622210123	RAHUL KUMAR	46	36	78.26	Yes

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1	2	3	4	5	6	7		8	9	10	11	12
S.N.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll N.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210014	ANANT SHARMA	46	38	82.61	Y
2	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210034	ASHWANI KUMAR TIWARI	46	40	86.96	Y
3	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210043	DEEPAK CHAUHAN	46	39	84.78	Y
4	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210061	HIMANSHU GUPTA	46	35	76.09	Y
5	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210044	DEEPSHREE	46	37	80.43	Y
6	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210119	PRIYAMBER KUMAR	46	29	63.04	N
7	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210155	SHEEL VARDHAN VASISTHA	46	39	84.78	Y
8	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210093	NIKHIL JINDAL	46	41	89.13	Y
9	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210041	CHIRAG	46	40	86.96	Y
10	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210045	DHURAV RAGHAV	46	35	76.09	Y
11	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210028	ARPITA TIWARI	46	38	82.61	Y
12	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210004	ABHISHEK GOSAWAMY	46	43	93.48	Y
13	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210020	ANKUR PANDEY	46	27	58.70	N
14	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210110	PRAKHAR NEGI	46	35	76.09	Y
15	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210120	PUNEET NAYAL	46	37	80.43	Y
16	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210057	HARIOM KUMAR	46	29	63.04	N
17	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210053	GAURAV	46	36	78.26	Y
18	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210060	HIMANSHI GARG	46	36	78.26	Y
19	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210056	HARDIK GOEL	46	38	82.61	Y
20	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210097	NITIN KUMAR	46	36	78.26	Y
21	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210100	PALLAVI UPADHYAY	46	40	86.96	Y
22	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210054	GAURAV BHARDWAJ	46	36	78.26	Y
23	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210112	PRATEEK CHATURVEDI	46	39	84.78	Y
24	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210109	PRAKHAR JAIN	46	32	69.57	N
25	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210013	ANANDHU KM	46	43	93.48	Y
26	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210123	RAHUL KUMAR	46	37	80.43	Y
27	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210025	ANUKSHA VARSHNEY	46	28	60.87	N
28	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210092	NIDHI KUMARI	46	35	76.09	Y
29	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210101	PALLAVI PANDEY	46	39	84.78	Y
30	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210139	SADHANA KUMARI	46	42	91.30	Y
31	CSE	5th & 6th	Apple iOS	46	20-08-2018	24-04-2019	1622210051	FIROZ	46	41	89.13	Y

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Value Added Course Record (Internal Trainings)

1	2	3	4	5	6	7	8	9	10	11	
S.N.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll N.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210014	ANANT SHARMA	46	38	82.61	Y
2	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210034	ASHWANI KUMAR TIWAI	46	40	86.96	Y
3	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210043	DEEPAK CHAUHAN	46	39	84.78	Y
4	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210061	HIMANSHU GUPTA	46	35	76.09	Y
5	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210044	DEEPSHREE	46	37	80.43	Y
6	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210119	PRIYAMBER KUMAR	46	29	63.04	N
7	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210155	SHEEL VARDHAN VASIS	46	39	84.78	Y
8	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210093	NIKHIL JINDAL	46	41	89.13	Y
9	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210041	CHIRAG	46	40	86.96	Y
10	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210045	DHURAV RAGHAV	46	35	76.09	Y
11	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210028	ARPITA TIWARI	46	38	82.61	Y
12	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210004	ABHISHEK GOSAWAMY	46	43	93.48	Y
13	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210020	ANKUR PANDEY	46	27	58.70	N
14	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210110	PRAKHAR NEGI	46	35	76.09	Y
15	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210120	PUNEET NAYAL	46	37	80.43	Y
16	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210057	HARIOM KUMAR	46	29	63.04	N
17	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210053	GAURAV	46	36	78.26	Y
18	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210060	HIMANSHI GARG	46	36	78.26	Y
19	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210056	HARDIK GOEL	46	38	82.61	Y
20	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210097	NITIN KUMAR	46	36	78.26	Y
21	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210100	PALLAVI UPADHYAY	46	40	86.96	Y
22	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210054	GAURAV BHARDWAJ	46	36	78.26	Y
23	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210112	PRATEEK CHATURVEDI	46	39	84.78	Y
24	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210109	PRAKHAR JAIN	46	32	69.57	N
25	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210013	ANANDHU KM	46	43	93.48	Y
26	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210123	RAHUL KUMAR	46	37	80.43	Y
27	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210025	ANUKSHA VARSHNEY	46	28	60.87	N
28	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210092	NIDHI KUMARI	46	35	76.09	Y

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29	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210101	PALLAVI PANDEY	46	39	84.78	Y
30	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210139	SADHANA KUMARI	46	42	91.30	Y
31	CSE	5th & 6th	R SYSTEM LAB	46	20-08-2018	24-04-2019	1622210051	FIROZ	46	41	89.13	Y

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S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	University Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210003	ABHISHEK KR. SINGH	40	34	85	Y
2	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210004	ABHISHEK KUMAR YADAV	40	36	90	Y
3	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210015	AJEET PAL	40	26	65	N
4	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210016	AJEET SRIVASTAVA	40	36	90	Y
5	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210021	AMAN BHADANA	40	36	90	Y
6	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210023	AMAN KUMAR	40	36	90	Y
7	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210024	AMAN RAJ	40	34	85	Y
8	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210026	AMIR KHAN	40	38	95	Y
9	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210027	AMIR SIDDIQUI	40	34	85	Y
10	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210028	AMRIT RAJ	40	36	90	Y
11	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210031	ANIL THAKUR	40	36	90	Y
12	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210034	ANKIT	40	36	90	Y
13	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210036	ANKIT KUMAR SINGH	40	36	90	Y
14	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210076	KARTIK BHATIA	40	40	100	Y
15	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210088	MANSI TYAGI	40	30	75	Y
16	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210098	NAINCY TIWARI	40	36	90	Y
17	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210103	NISHANT KUMAR	40	40	100	Y
18	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210111	PIYUSH RANJAN	40	36	90	Y
19	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210116	PRIYANKA JOSHI	40	36	90	Y
20	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210126	RAVI KUMAR VERMA	40	36	90	Y
21	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210128	RISHI PATHAK	40	26	65	N
22	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210134	SACHIN KAUSHIK	40	36	90	Y
23	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210160	SHUBHAM RAJ	40	36	90	Y
24	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210161	SHUBHAM SINGH	40	38	95	Y
25	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210162	SIDDHARTH SINGH	40	36	90	Y
26	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210163	SIDDHARTH SRIVASTAVA	40	36	90	Y
27	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210165	SONU KUMAR	40	36	90	Y
28	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210169	SUFIYAN ZAHEER	40	40	100	Y
29	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210170	SUMIT SARASWAT	40	34	85	Y
30	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210171	SURYANK PANDEY	40	36	90	Y

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31	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210174	UMANG SETH	40	36	90	Y
32	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210181	VISHAL GUPTA	40	26	65	N
33	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210183	VIVEK SHUKLA	40	24	60	N
34	CSE	5th & 6th	Software Testing	40	12/8/2019	10/4/2020	1722210185	YASH MANI JAIN	40	30	75	N

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1	2	3	4	5	6	7	8		9	10	11	12
S.No.	epartmen	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210003	ABHISHEK KR. SINGH	46	38	82.61	Y
2	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210004	ABHISHEK KUMAR YADAV	46	40	86.96	Y
3	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210015	AJEET PAL	46	39	84.78	Y
4	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210016	AJEET SRIVASTAVA	46	35	76.09	Y
5	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210021	AMAN BHADANA	46	37	80.43	Y
6	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210023	AMAN KUMAR	46	29	63.04	N
7	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210024	AMAN RAJ	46	39	84.78	Y
8	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210026	AMIR KHAN	46	41	89.13	Y
9	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210027	AMIR SIDDIQUI	46	40	86.96	Y
10	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210028	AMRIT RAJ	46	35	76.09	Y
11	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210031	ANIL THAKUR	46	38	82.61	Y
12	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210034	ANKIT	46	43	93.48	Y
13	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210036	ANKIT KUMAR SINGH	46	27	58.70	N
14	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210076	KARTIK BHATIA	46	35	76.09	Y
15	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210088	MANSI TYAGI	46	37	80.43	Y
16	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210098	NAINCY TIWARI	46	29	63.04	N
17	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210103	NISHANT KUMAR	46	36	78.26	Y
18	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210111	PIYUSH RANJAN	46	36	78.26	Y
19	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210116	PRIYANKA JOSHI	46	38	82.61	Y
20	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210126	RAVI KUMAR VERMA	46	36	78.26	Y
21	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210128	RISHI PATHAK	46	40	86.96	Y
22	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210134	SACHIN KAUSHIK	46	36	78.26	Y
23	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210160	SHUBHAM RAJ	46	39	84.78	Y
24	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210161	SHUBHAM SINGH	46	32	69.57	N
25	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210162	SIDDHARTH SINGH	46	43	93.48	Y
26	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210163	SIDDHARTH SRIVASTAVA	46	37	80.43	Y
27	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210165	SONU KUMAR	46	28	60.87	N

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28	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210169	SUFIYAN ZAHEER	46	35	76.09	Y
29	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210170	SUMIT SARASWAT	46	39	84.78	Y
30	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210171	SURYANK PANDEY	46	42	91.30	Y
31	CSE	5th & 6th	Apple iOS	46	20/08/2019	24/04/2020	1722210174	UMANG SETH	46	41	89.13	Y

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1	2	3	4	5	6	7	8		9	10	11	
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210003	ABHISHEK KR. SINGH	46	36	78.26	Y
2	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210004	ABHISHEK KUMAR YADAV	46	36	78.26	Y
3	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210015	AJEET PAL	46	36	78.26	Y
4	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210021	AMAN BHADANA	46	40	86.96	Y
5	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210023	AMAN KUMAR	46	35	76.09	Y
6	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210024	AMAN RAJ	46	36	78.26	Y
7	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210026	AMIR KHAN	46	36	78.26	Y
8	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210027	AMIR SIDDIQUI	46	36	78.26	Y
9	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210028	AMRIT RAJ	46	36	78.26	Y
10	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210049	ARIF NAWAZ	46	40	86.96	Y
11	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210055	GUPTA	46	30	65.22	Y
12	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210056	AVDHESH VASHIST	46	36	78.26	Y
13	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210057	AWANISH KUMAR	46	40	86.96	Y
14	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210074	KAJAL SHARMA	46	36	78.26	Y
15	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210076	KARTIK BHATIA	46	36	78.26	Y
16	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210098	NAINCY TIWARI	46	36	78.26	Y
17	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210103	NISHANT KUMAR	46	26	56.52	N
18	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210111	PIYUSH RANJAN	46	36	78.26	Y
19	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210116	PRIYANKA JOSHI	46	36	78.26	Y
20	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210126	RAVI KUMAR VERMA	46	38	82.61	Y
21	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210128	RISHI PATHAK	46	36	78.26	Y
22	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210134	SACHIN KAUSHIK	46	36	78.26	Y
23	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210152	SHAILESH TYAGI	46	36	78.26	Y
24	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210159	MISHRA	46	40	86.96	Y
25	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210160	SHUBHAM RAJ	46	20	43.48	N
26	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210161	SHUBHAM SINGH	46	44	95.65	Y
27	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210162	SIDDHARTH SINGH	46	40	86.96	Y
28	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210179	VIKAS KUMAR	46	32	69.57	Y
29	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210180	VIKAS KUMAR	46	35	76.09	Y

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30	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210181	VISHAL GUPTA	46	38	82.61	Y
31	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210183	VIVEK SHUKLA	46	34	73.91	Y
32	CSE	5th & 6th	Software Testing	46	17-08-2020	16-04-2021	1722210185	YASH MANI JAIN	46	33	71.74	Y

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1	2	3	4	5	6	7	8	9	10	11	
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210002	AASIF JAMAL	46	36	78.26	Y
2	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210003	ABHILASH DWIVEDI	46	36	78.26	Y
3	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210004	ABHINAV KUMAR PARBAT	46	36	78.26	Y
4	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210012	ADITYA SINGH	46	40	86.96	Y
5	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210013	AJEET KUMAR	46	35	76.09	Y
6	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210032	ARPIT	46	36	78.26	Y
7	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210040	AREEB ASHRAF AHANGER	46	36	78.26	Y
8	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210045	DEEPAK KUMAR	46	36	78.26	Y
9	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210048	DEEPESH JHA	46	36	78.26	Y
10	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210050	DEV BHARDWAJ	46	40	86.96	Y
11	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210053	DIVYANSH	46	30	65.22	Y
12	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210054	DIVYANSHI	46	36	78.26	Y
13	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210059	HAPPY KUMAR	46	40	86.96	Y
14	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210062	HITESH GARG	46	36	78.26	Y
15	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210068	JIVA RAM	46	36	78.26	Y
16	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210070	SWATI JAISWAL	46	36	78.26	Y
17	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210074	LAKSHAY	46	26	56.52	N
18	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210075	MAKARAND SHREELOCHAN	46	36	78.26	Y
19	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210076	MANISH KUMAR	46	36	78.26	Y
20	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210080	MD DANISH IQBAL	46	38	82.61	Y
21	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210089	NAVED MALIK	46	36	78.26	Y
22	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210091	NEHA SINHA	46	36	78.26	Y
23	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210097	NITIN KUMAR SHARMA	46	36	78.26	Y
24	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210098	PAWAN KUMAR MISHRA	46	40	86.96	Y
25	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210101	PRAKHAR SRIVASTAVA	46	20	43.48	N
26	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210102	PRATIK RAJORA	46	44	95.65	Y

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27	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210103	PRAVESH KUMAR	46	40	86.96	Y
28	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210107	RAGHWENDRA PRATAP	46	32	69.57	Y
29	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210117	RITIK PRAKASH	46	35	76.09	Y
30	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210122	RAJINDER SINGH	46	38	82.61	Y
31	CSE	5th & 6th	Apple iOS	46	17-08-2020	16-04-2021	1822210126	SAHIL KHAN	46	34	73.91	Y

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Value Added Course Record (Internal Trainings)

1	2	3	4	5	6	7		8	9	10	11	
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Roll No.	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)
1	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100002	Abhishek Bhardwaj	46	29	63.04	Y
2	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100008	Abhishek saxena	46	39	84.78	Y
3	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100004	Abhishek Shekhawat	46	41	89.13	Y
4	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100013	Akansh Gupta	46	40	86.96	Y
5	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100026	Ankit Kumar	46	38	82.61	Y
6	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100031	Anshul kumar	46	43	93.48	Y
7	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100034	Anuj Srivastava	46	27	58.70	N
8	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100035	Anujaan Mishra	46	35	76.09	Y
9	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1822210033	Arshad Waseem	46	37	80.43	Y
10	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100049	Ashutosh Kumar Gupta	46	29	63.04	Y
11	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100051	Aviral singh	46	36	78.26	Y
12	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100053	Ayush gupta	46	36	78.26	Y
13	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100058	Chandra Shekhar	46	38	82.61	Y
14	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100060	Deepak	46	36	78.26	Y
15	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100062	Deepak Sharma	46	40	86.96	Y
16	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100065	Divyanshu Anand	46	36	78.26	Y
17	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100068	Gautam Sharma	46	39	84.78	Y
18	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100085	Md Imteyaz imam	46	32	69.57	Y
19	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100087	Md Uzaif Umar	46	43	93.48	Y
20	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100089	Mohd Shadan	46	37	80.43	Y
21	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100093	Nalin Shukla	46	28	60.87	Y
22	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100099	Nitish kumar giri	46	35	76.09	Y
23	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100105	Prachi aggarwal	46	39	84.78	Y
24	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100109	Pranaw Kumar Singh	46	42	91.30	Y
25	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100113	Praveen Kumar	46	41	89.13	Y
26	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100115	Pushpendra kumar	46	21	45.65	N
27	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100117	Raj Kumar	46	40	86.96	Y
28	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100123	Reza Ahmad	46	35	76.09	Y
29	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100125	Rishabh Kumar Jha	46	35	76.09	Y
30	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100126	Ritesh Ranjan	46	35	76.09	Y
31	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100135	Saif Mallick	46	25	54.35	N
32	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100137	Sandeep yadav	46	35	76.09	Y
33	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100143	Shani Deo pandey	46	36	78.26	Y

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34	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100145	Shashwat Rai	46	35	76.09	Y
35	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1822210144	Shivam chaurasia	46	35	76.09	Y
36	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100148	Shivam Pandey	46	45	97.83	Y
37	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100152	Siddhartha Tiwari	46	30	65.22	Y
38	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100153	Srishti chaturvedi	46	35	76.09	Y
39	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100154	Subham pratap singh	46	35	76.09	Y
40	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100160	Tanisha Singh	46	22	47.83	N
41	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100162	Tushar Vatsa	46	35	76.09	Y
42	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100163	Uday Singh	46	40	86.96	Y
43	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100165	Umakant Dwivedi	46	35	76.09	Y
44	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100166	Unnati Gupta	46	33	71.74	Y
45	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100167	VANSHAM MISHRA	46	41	89.13	Y
46	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1902220100168	Vanshikha singh	46	35	76.09	Y
47	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1822210115	Rishabh Jaiswal	46	36	78.26	Y
48	CSE	5th & 6th	Software Testing	46	13-09-2021	13-05-2022	1822210061	Himanshu Gupta	46	35	76.09	Y

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21-22

CISCO Registered NetAcad

SNO.	ROLL NUMBER	STUDENT NAME	MOBILE NO.	MENTION YOUR EMAIL ID
1	2002220100123	Priyanshu	9817158270	priyanshujangra518@gmail.com
2	2002220100003	Abhay Gupta	9654197008	abhay.kastvar07@gmail.com
3	2002220100012	Abhishek Pathak	9027408109	abhishekpatakrkp_cse20@its.edu.in
4	2002220100015	Aditya Dudy	7042567104	adityadubyrp_cse20@its.edu.in
5	2002220100018	Ajay Dey	9471322133	ajaydeyakd_cse20@its.edu.in
6	2002220100024	Aman Kumar	9199909157	amankumarss_cse20@its.edu.in
7	2002220100027	Anand Raj	8434422004	anandrajms_cse20@its.edu.in
8	2002220100028	Anant kumar	9905782471	anantkumarvd_cse20@its.edu.in
9	2002220100034	Ankit kumar singh	9871184256	ankitkumartk_cse20@its.edu.in
10	2002220100050	Ayushmaan Atrish	8650119509	ayushmaanatrishaa_cse20@its.edu.in
11	2002220100056	dhananjay vashishta	8433487830	dhananjayvashishtayks_cse20@its.edu.in
12	2002220100060	Dhruv Singhal	9717985414	dhruvsinghal_csecse20@its.edu.in
13	2002220100065	Garvit Jain	9891383864	garvitjainscj_cse20@its.edu.in
14	2002220100070	Himanshu bhati	6398409951	himanshubhatisb_cse20@its.edu.in
15	2002220100074	Ishika seth	8273263871	ishikasethvs_cse20@its.edu.in
16	2002220100074	Ishika seth	8273263871	ishikasethvs_cse20@its.edu.in
17	2002220100075	Jaivrat Lohiya	7217787921	jaivratlohiyaak_cse20@its.edu.in
18	2002220100091	Md Asif Ali	8235351482	mdasifalimsa_cse20@its.edu.in
19	2002220100093	Md. Kaish	6392900493	mdkaishmf_cse20@its.edu.in
20	2002220100108	Nisha Sharma	8791330974	nishasharmamss_cse20@its.edu.in
21	2002220100110	Nitesh Vishwakarma	7618921428	niteshvishwakarmaks_cse20@its.edu.in
22	2002220100111	Palak Gupta	8875496262	palakssg_cse20@its.edu.in
23	2002220100117	Prachi Singhal	8126148590	prachisinghaljs_cse20@its.edu.in
24	2002220100132	Resham Kumari	8825381670	reshamkumaripkj_cse20@its.edu.in
25	2002220100150	Shatakshi Kumari	9113141664	shatakshikumarisk_cse20@its.edu.in
26	2002220100155	Shivani kumari	9304560552	shivanikumariskm_cse20@its.edu.in
27	2002220100159	Siddhant	7011836407	siddhantav_cse20@its.edu.in
28	2002220100160	Smriti Rao	7633872100	smritiraonkr_cse20@its.edu.in
29	2002220100164	Sudhanshu mishra	8521244093	sudhanshumishrancm_cse20@its.edu.in
30	2002220100169	Sushant kumar	9102888700	sushantkuamrpkc_cse20@its.edu.in
31	2002220100170	Tushar Gupta	8433481521	tushar0726@gmail.com
32	2002220100179	Vikash Gupta	6394563575	vikashguptarg_cse20@its.edu.in

(Mr. Pawan Chugh)

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Cisco NetAcad.

33	2002220100191	Yuvraj Singh	8081542775	yuvrajsinghrs_cse20@its.edu.in
34	2102220109003	Chaitanya Anand	9717331599	chaitanyaa44@gmail.com
35	2102220109010	Km Amrita	8368402345	kmamritabk_cse21@its.edu.in
36	2102220109011	Mukul kumar	9971477409	mukulkumarspv_cse21@its.edu.in
37	2102220109011	Mukul Kumar	9971477409	mukulkumarspv_cse21@its.edu.in
38	2102220109015	Prince Kumar	7322869431	princekumarhp_cse21@its.edu.in
39	200222010036019	AARYANBHARGAVA	9315741445	aaryanbhargavamkb_cse20@its.edu.in
40	200222010036023	Abhinav Kishore	7992352312	abinavkishorbd_cse20@its.edu.in
41	200222010036023	Abhinav Kishore	7992352312	abinavkishorbd_cse20@its.edu.in
42	200222010036025	Abhinav Verma	9924133658	abhinavvermadk_cse20@its.edu.in
43	200222010036026	Abhishek	9354860476	abhi60749@gmail.com
44	200222010036032	Aditya Ankit	9693356237	adityaankit2122002@gmail.com
45	200222010036034	Aditya Jha	7087391099	adityajhapj_cse20@its.edu.in
46	200222010036037	Akanksha Verma	9565787906	akankshavermavkv_cse20@its.edu.in
47	200222010036037	Akanksha Verma	9565787906	akankshavermavkv_cse20@its.edu.in
48	200222010036039	Akhilesh singh	9990227112	akhileshsingha_cse20@its.edu.in
49	200222010036041	Akshit Verma	7669847911	akshitceo07@gmail.com
50	200222010036044	Anand Prakash	6393236136	anandprakashyadav64@gmail.com
51	200222010036048	Anjali Gupta	9205804988	anjaliguptarsg_cse20@its.edu.in
52	200222010036049	Ankit Kumar	7678475154	ankitkumarak_cse20@its.edu.in
53	200222010036055	Anuj Dwivedi	9555992028	anujdwivedisnd_cse20@its.edu.in
54	200222010036056	Anuj Kumar	9389938884	anujkumarps_cse@20its.edu.in
55	200222010036058	Anushka Shashwat	7070099730	anushkashashwatmk_cse20@its.edu.in
56	200222010036059	Arpit singh	8382000664	arpitsinghdks_cse20@its.edu.in
57	200222010036060	Aryan Gaur	7011734650	aryangaurang_cse20@its.edu.in
58	200222010036061	Aryan Singh	7782870809	aryan77911@gmail.com
59	200222010036063	Ashutosh Yadav	9140011852	ashutoshyadavjy_cse20@its.edu.in
60	200222010036063	ASHUTOSH YADAV	9140011852	ashutoshyadavjy_cse20@its.edu.in
61	200222010036064	Aviral Nigam	9580213847	aviralnigamsn_cse20@its.edu.in
62	200222010036065	Avishka Katiyar	9305579711	avishkakatiyarak_cse20@its.edu.in
63	200222010036066	Ayush Goel	9560496817	ayushgoelng_cse20@its.edu.in
64	200222010036067	Ayush Kumar	8587944427	ayushaks_cse20@its.edu.in
65	200222010036069	DEEPANSHU KUMAR	6205343705	deepanshukumarskp_cse20@its.edu.in

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Cisco Net Acad

66	200222010036070	Deepti Sharma	9667482492	deeptisharmahs_cse20@its.edu.in
67	200222010036073	Dewanshu Kumar	6203268249	dewanshukumarskp_cse20@its.edu.in
68	200222010036081	Divyansh Upadhyay	9410074340	divyanshupadhyaypku_cse20@its.edu.in
69	200222010036085	Harsh Kumar	9155374097	harshkumarsk_cse20@its.edu.in
70	200222010036090	Himanshu singh	8052725092	himanshusinghvisen3110@gmail.com
71	200222010036094	Jeewan kundu	8920710189	jeewankundugk_cse20@its.edu.in
72	200222010036095	Jitesh Srivastav	7291946674	jiteshsrivastavps_cse20@its.edu.in
73	200222010036097	Kaushal Kumar	7505233825	kaushalkumarnk_cse20@its.edu.in
74	200222010036100	Kumari Manasi	8953529844	kumarimanasirp_cse20@its.edu.in
75	200222010036102	Lokesh Saxena	9696459187	lokeshsaxenars_cse20@its.edu.in
76	200222010036102	Lokesh Saxena	9696459187	lokeshsaxenars_cse20@its.edu.in
77	200222010036108	MD AAMIR	6200305153	mdaamirak_cse20@its.edu.in
78	200222010036113	MOHAMMAD ABDUS SAMAD	9319324704	mohammadabdussamadrak_cse20@its.edu.in
79	200222010036114	Mohammad Yaseen Dar	9596135843	daryaseen7889@gmail.com
80	200222010036115	Mukul sharma	9457555672	mukulsharmays_cse20@its.edu.in
81	200222010036117	Nancy Sharma	8082360374	nancysharmans_cse20@its.edu.in
82	200222010036117	Nancy Sharma	8082360374	nancysharmans_cse20@its.edu.in
83	200222010036119	Neda Firdous	8858246779	nedafirdousma_cse20@its.edu.in
84	200222010036122	Nikhil Kumar	8210678122	nikhilkumarak_cse20@its.edu.in
85	200222010036122	Nikhil Kumar	8210678122	nikhilkumarak_cse20@its.edu.in
86	200222010036127	Nitesh kumar	9570642644	niteshkumarjs_cse20@its.edu.in
87	200222010036130	Peeyush kumar	7481950531	peeyush2552@gmail.com
88	200222010036132	PIYUSH RAJ	9508953627	piyushrajvks_cse20@its.edu.in
89	200222010036133	Piyush Sokhi	8585957809	piyushsokhirps_cse20@its.edu.in
90	200222010036134	Pooja pal	7835965706	poojapalms_cse20@its.edu.in
91	200222010036138	Pratyaksha Ratnapriya	8800237046	pratyaksharatnapriyapk_cse20@its.edu.in
92	200222010036147	RAJNISH KUMAR	8543988528	rajnishkumarjp_cse20@its.edu.in
93	200222010036151	Rishabh	8178441163	rishabhlks_cse20@its.edu.in
94	200222010036153	Riya Kumari	8757785168	riyakumariaks_cse20@its.edu.in
95	200222010036155	Rohan Kumar Saini	8192028815	rohankumarsainiks_cse20@its.edu.in
96	200222010036156	Rohit Kumar	7491941846	rohitkumarrc_cse20@its.edu.in
97	200222010036158	Saksham Saxena	9555029199	sakshamsaxenars_cse20@its.edu.in
98	200222010036158	Saksham Saxena	9555029199	sakshamsaxenars_cse20@its.edu.in

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Cisco NetAcad

99	200222010036160	Sameer Kundu	8604056804	sameerkundudk_cse20@its.edu.in
100	200222010036162	Sanya Singh	7292980169	sanyasinghrks_cse20@its.edu.in
101	200222010036164	Satyam kumar	6201558743	satyamkumarjst_cse20@its.edu.in
102	200222010036165	Saurav kumar Singh	6386545668	sauravkumarsinghjps_cse20@its.edu.in
103	200222010036166	Shariq Ahmad Khan	8840183707	shariqahmadkhan31@gmail.com
104	200222010036167	Shashi Shekhar Verma	8528161883	sashishekharvermaapv_cse20@its.edu.in
105	200222010036169	SHIVAM KUMAR	9113323492	shivamkumarjst_cse20@its.edu.in
106	200222010036172	Shivangi mall	9569437293	shivangimallrm_cse20@its.edu.in
107	200222010036174	Shreya Bhardwaj	8797133724	shreyabhardwajdk_cse20@its.edu.in
108	200222010036174	Shreya Bhardwaj	8797133724	shreyabhardwajdk_cse20@its.edu.in
109	200222010036175	Shruti Kumari	8290657399	shrutikumaribbs_cse20@its.edu.in
110	200222010036179	Snehlata Pandey	7607766408	snehlatapandeydkp_cse20@its.edu.in
111	200222010036186	SURAJ KUMAR SINGH	7376867564	surajkumarsinghrs_cse20@its.edu.in
112	200222010036190	Urvashi sharma	7417069005	urvashisharmacbs_cse20@its.edu.in
113	200222010036192	Utkarsh Srivastav	6307053519	utkarshsrivastavasks_cse20@its.edu.in
114	200222010036193	Utkarsh Umang	8340443722	utkarshumangmkv_cse20@its.edu.in
115	200222010036200	Virendra Kumar	7209098357	virendrakumargk_cse20@its.edu.in
116	200222010036204	Vivek Bhati	9625423661	vivekbhatisr_cse20@its.edu.in
117	200222010036207	yogesh kumar chaubey	9628163797	yogeshkumarchaubeysnc_cse20@its.edu.in
118	200222010036208	Yuvraj Kumar Singh	7005693601	yuvrajkumarsinghms_cse20@its.edu.in
119	182221032105	Himanshu Chaudhary	9899155391	chaudharyh028@gmail.com
120	1902220100023	Anagh Tripathi	7897039667	anaghtripathi9999@gmail.com
121	1902220100035	Anujaan Mishra	9717270561	anujaanmishradnm_cse19@its.edu.in
122	1902220100059	Chetan Kumar Sharma	6395007252	cs8979155411@gmail.com
123	1902220100081	manjay kumar	9110930209	manjaykumars124@gmail.com
124	1902220100118	Raja Gupta	7644988379	rajaguptacng_cse19@its.edu.in
125	1902220100126	Ritesh Ranjan	9971634240	ritesh.ranjan9515@gmail.com
126	1902220100172	Yash Garg	8744075874	yashgargdk_cse19@its.edu.in
127	190222010035575	Chanda rani	6206672550	chandaraniak_cse19@its.edu.in
128	190222010035581	Dhruv Aansh Gupta	8130261903	dhruv5252@gmail.com
129	190222010035648	Rohit Jain	8588013931	rohitjainsj_cse19@its.edu.in
130	190222010035652	Sahil Hussain	8826412543	sahilhussainsh_cse19@its.edu.in
131	190222010035670	Siddhartha Tiwari	9519507309	siddharthatiwari25@gmail.com

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I.T.S ENGINEERING COLLEGE
GREATER NOIDA
(A NAAC Accredited Engineering College)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Value Added Course Record (Internal Trainings)

CSE & AIML Students (2022-2023)					
Sr. No.	Student List	ID	SIS Login ID	Section	Final Score
1	Ansari, Afzal	1242520	afzalansariaa_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	95
2	Anshuman	1242524	anshumanss_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	67
3	Chaudhary, Amrendra	1242522	amrendrachaudharygc_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	93
4	Chaudhary, Pragya	1264923	pragyachaudharynp_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	88
5	Choudhary, Deepanshu	1242530	deepanshuchoudharync_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	93
6	Faizan, Moh.	1264902	mohfaizanvh_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	95
7	Garg, Suryansh S	1264816	suryanshsgargrs_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	89
8	Goyal, Kunal	1242543	kunalgoyalyg_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	9
9	Gulzar, Sabia	1385991	sabiagulzargak_cse22@its.edu.in	AWS Academy Cloud Foundations [33312]	100
10	Gupta, Krati	1242542	kratiguptajg_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	92
11	Jha, Aditya Shubham	1242519	adityakshubhamjhanj_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	100
12	Kanchan	1242540	kanchanrk_aiml22@its.edu.in	AWS Academy Cloud Foundations [33312]	25
13	Kasim	1242541	kasimsk_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	97
14	Khanduri, Akshita	1242521	akshitakhanduricm_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
15	Kumar, Hritik	1242538	hritikkumarry_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	97
16	Kumar, Khemendra	1453154	khemendrakumarss_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	99
17	Kumari, Nupur	1264919	nupurkumarisk_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	87
18	Mishra, Manjeet	1264898	manjeetmishranm_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	99
19	Mishra, Priyanshu	1242545	priyanshumishradm_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
20	Mishra, Shubhang	1242550	shubhangmishramm_aiml22@its.edu.in	AWS Academy Cloud Foundations [33312]	94
21	Pandey, Kamayani	1242539	kamayanipandeyap_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	91
22	Paul, Ashmit	1242527	ashmitpaulap_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
23	Rai, Aditya	1264812	adityaraiar_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	89
24	Rai, Devendra	1242531	devendraraikr_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
25	Rajshree	1264928	rajshreeam_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	100
26	Saad, Md.	1264903	mohdsaadaa_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
27	Sabreena, Mir	1385989	mirsabreenaaam_cse22@its.edu.in	AWS Academy Cloud Foundations [33312]	100

Ms. Akansha Sharma

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28	Sahu, Rishabh	1242557	rishabhsahumk_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	42
29	Samal, Biswajeet	1242528	biswajeetsamalps_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
30	Sarkar, Ranjan	1264939	ranjansarkarss_cse22@its.edu.in	AWS Academy Cloud Foundations [33312]	94
31	Sharma, Angeel	1242523	angeelsharmals_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	94
32	Sharma, Nityanav	1264918	nityanavsharmass_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
33	Sharma, Rishabh	1242546	rishabhsharmans_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	15
34	Singh, Devesh Pratap	1242532	deveshpratapsinghds_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
35	Singh, Hariom Sharan	1242535	hariomsharansinghks_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	92
36	Singh, Sagar	1264935	sagarsinghps_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	90
37	Singh, Shivam	1242548	shivamsinghds_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
38	Singh, Sonu	1242551	sonusinghms_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
39	Siroha, Vaibhav	1242553	vaibhavsirohaps_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	88
40	Srivastava, Harsh	1242536	harshsrivastavps_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	94
41	Tiwari, Varun	1242554	varuntiwaribkt_aiml22@its.edu.in	AWS Academy Cloud Foundations [33312]	91
42	Tripati, Riya	1242547	riyatripathirt_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	95
43	Uvesh, Md.	1264904	mohduveshmh_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	37
44	Vaishnav, Chandan	1242529	chandanvaishnavhl_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	75
45	Vardhan, Harsh	1242537	harshvardhanas_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
46	Verma, Manish	1264897	manishvermakk_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
47	Verma, Nikhil	1264913	nikhilvermahv_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	67
48	Vishesh, Adarsh	1242517	adarshvisheshbs_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	96
49	Yadav, Aditya	1242518	adityayadavcby_aiml22@its.edu.in	AWS Academy Cloud Foundations [33312]	49
50	Yadav, Aryan	1242526	aryanyadavry_aiml21@its.edu.in	AWS Academy Cloud Foundations [33312]	98
51	Yadav, Mayank	1264899	mayankyadavsy_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	91
52	Yadav, Nitin	1264916	nitinyadavmy_cse21@its.edu.in	AWS Academy Cloud Foundations [33312]	97

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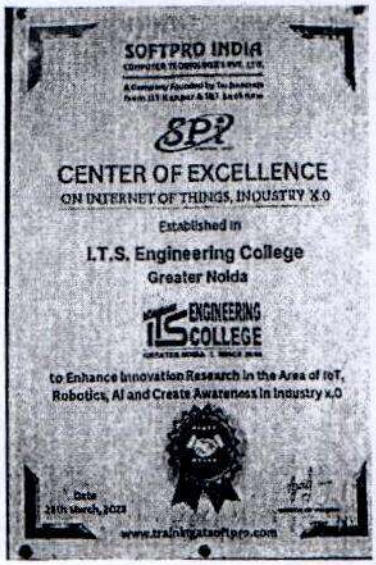
Name of Centre of Excellence:

Soft Pro India Ltd.



Date of Establishment:

25/03/2023

Brief Description:

The COE will provide opportunities for students to learn and develop skills in the area of Internet of Things, as well as to interact with experts from the organization. This will be valuable for students who are interested in pursuing careers in this field, as they will be able to gain hands-on experience and learn from professionals in the industry. It's a great opportunity for the students and the institute to collaborate with the company and benefit from their expertise. The interaction with experts from the organization will also give students an insight into industry practices and trends, and help them stay updated with the latest developments.

Major Activities Conducted :

1. Two days Workshop on Advanced Python Programming by Softpro India Computer Technologies Pvt. Ltd. Lucknow (23&24- 03-2023)
2. MOU Signing and Inaugural of Centre of Excellence on Internet of Things, Industry X.0 (25/03/2023)
3. Workshop on "Internet of Things" by Er. Amit Bhandari, Senior IOT Developer/ Solution Architect Consultant, Softpro India Computer Technologies Private Limited. (21/04/2023)
4. Workshop on "Android Apps Development" by Mr. Deep Singh, Developer, Softpro India Computer Technologies Pvt. Ltd. Lucknow. (13/06/2023)
5. Workshop on "Data Science & its Applications with Machine Learning" by Mr. Prateek Mishra, Developer, Softpro India Computer Technologies Pvt. Ltd., Lucknow. (14/06/2023)

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Dr. Asha

Evening
Willingness for Blood donation
(14/08/2023)

I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-A		
Sr.No	Roll No.	Name
1	2002220100170	TUSHAR GUPTA(ReAdm)
2	2102220100001	Aaditya Gera
3	2102220100002	AASHISH SHARMA
4	2102220100004	Abhinav Gaur
5	2102220100005	Abhinav Tiwari
6	2102220100006	ABHISHEK KUMAR
7	2102220100007	Abhishek Mandal
8	2102220100008	Abhishek Yadav
9	2102220100009	Adarsh Kumar Jha
10	2102220100010	Aditi Deshwal
11	2102220100011	Aditya Dagur
12	2102220100012	Aditya Kumar
13	2102220100013	ADITYA KUMAR
14	2102220100014	ADITYA PRATAP SINGH
15	2102220100016	Aditya Sharma
16	2102220100017	Aditya Shukla
17	2102220100018	Ajay Pratap Singh
18	2102220100020	Akanksha Sahu
19	2102220100021	AKHAND PRATAP CHAND
20	2102220100022	Akshat Sharma
21	2102220100023	Akshit Negi
22	2102220100024	Aman Raj
23	2102220100025	Aman Singh
24	2102220100026	Aman Soni
25	2102220100027	Aman Tiwari
26	2102220100028	Aman Yadav
27	2102220100030	Amit Biswas
28	2102220100031	Anant Kumar Sharma
29	2102220100032	Anil Yadav
30	2102220100033	Anjesh Kumar
31	2102220100034	Ankit Kumar
32	2102220100035	Ankit Kumar
33	2102220100037	Ankit Patel
34	2102220100038	Ankit Rai
35	2102220100039	Ankit Vishwakarma
36	2102220100040	ANKUL KUMAR
37	2102220100041	ANSH SINGH
38	2102220100042	Anshika Solanki
39	2102220100043	Anuj Bhati
40	2102220100044	Anuj Gupta
41	2102220100045	Anupriya Gupta
42	2102220100046	ANUSHKA SHARMA
43	2102220100047	Arjun Kumar Sharma
44	2102220100049	Arushi Ail
45	2102220100051	ASHUTOSH ANAND
46	2102220100052	Atul Sharma
47	2102220100053	Avinash Tripathi
48	2102220100054	Ayush Raj
49	2102220100055	Ayush Raj
50	2102220100056	Ayush Roy
51	2102220100057	AYUSH TRIPATHI
52	2102220100058	Ayush Trivedi
53	2102220100059	Chahat Ladhani
54	2102220100061	DANISH AHMED
55	2102220100062	Deepak Sharma
56	2102220100063	Deepak Singh
57	2102220100064	Deepanshu Sharma
58	2102220100066	DEV RATHORE
59	2102220100068	Dhriti Shekhar
60	2202220109001	Ankit Kumar Rai
61	2202220109002	Anshul Kumar
62	2202220109003	Aryan Jha
63	2202220109005	Chaitanya Tripathi
64	2202220109007	Km. Anjali Verma

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Willingness for Blood Donation (14/02/2023)

I.T.S ENGINEERING COLLEGE , GREATER NOIDA

Department of CSE

CSE-Second Year 4th Semester-Section-B

Sr.No	Roll No.	Name	
1	2102220100069	Dhuruv Kumar	
2	2102220100071	Divyanshu Singh	
3	2102220100072	Gagan Sahu	→ Gagan
4	2102220100074	GUNGUN SALUJA	
5	2102220100075	Harjeet Singh	
6	2102220100076	HARSH BHARDWAJ	
7	2102220100077	Harsh Kumar Patel	→ Harsh
8	2102220100078	Harsh Pandey	→ Harsh Pandey
9	2102220100079	Harsh Rajput	Yes ✓
10	2102220100081	Harshit Kumar Dwivedi	[illegible]
11	2102220100082	Harshvardhan Pathak	Harshvardhan Pathak.
12	2102220100083	Himanshi Bhardwaj	
13	2102220100084	Hiresh Kumar	→ [illegible] yadav
14	2102220100085	Isha Deol	
15	2102220100086	Ishika Saxena	→ [illegible]
16	2102220100088	Kalpana Kushwaha	
17	2102220100089	Kamal Singh	
18	2102220100090	Karan Kumar	→ Kamal
19	2102220100091	KARTIKEY KESHARI	
20	2102220100092	Kartikey Shakya	
21	2102220100095	KISHAN TRIPATHI	Kishantripathi
22	2102220100096	Krish Verma	
23	2102220100097	Krishna Km Ojha	Krishna
24	2102220100099	Kunwar Bhagar Singh	Kunwar Bhagar Singh
25	2102220100100	Kushagra Gangwar	
26	2102220100101	Lakshya Pratap Singh	Lakshya
27	2102220100103	Lokesh Sharma	
28	2102220100104	Manasvi Lalit	
29	2102220100105	Manish Kumar Raj	Manish
30	2102220100106	Manish Verma	
31	2102220100107	Manjeet Mishra	
32	2102220100108	MAYANK YADAV	
33	2102220100109	Md Adil Imran	
34	2102220100110	MD. SERAJ ANWAR	
35	2102220100111	MOH. FAIZAN	
36	2102220100112	MOHD SAAD	
37	2102220100113	Mohd Uvesh	
38	2102220100114	MRITUNJAY RAI	Mritunjay Rai
39	2102220100115	Mukul Negi	
40	2102220100116	Navya Srivastava	
41	2102220100117	Neeraj Kumar	[illegible]
42	2102220100118	Niharika Shivhare	
43	2102220100119	Niharika Tiwari	Yes ✓
44	2102220100120	Nikhil Kumar	
45	2102220100121	Nikhil Kumar Maurya	
46	2102220100122	Nikhil Verma	
47	2102220100123	Nisar Ansari	
48	2102220100124	Nishant Kumar Dubey	[illegible] (Nishant)
49	2102220100125	NITIN YADAV	
50	2102220100126	Nityam Kumar Mishra	
51	2102220100127	Nityanav Sharma	[illegible]
52	2102220100128	Nupur Kumari	Nupur Kumari
53	2102220100129	PARTHIVI MALIK	
54	2102220100130	Patel Piyush Dinesh	Patel Piyush
55	2102220100131	Piyush Kumar Singh	
56	2102220100132	Pragya Chaudhary	Pragya chaudhary.
57	2202220109006	Jatin Kumar	
58	2202220109008	Krishna Bhardwaj	
59	2202220109009	Krishna Mahto	Krishna mahto.
60	2202220109010	Md. Asharaf Khan	
61	2202220109011	Mir Sabreena	
62	2202220109012	Ranjan Sarkar	
63	2202220109013	Rohit Kumar	
64	2202220109015	Sabia Gulzar	Sabia Gulzar

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I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-A		
Sr.No	Roll No.	Name
1	2002220100170	TUSHAR GUPTA(ReAdm)
2	2102220100001	Aaditya Gera
3	2102220100002	AASHISH SHARMA
4	2102220100004	Abhinav Gaur
5	2102220100005	Abhinav Tiwari
6	2102220100006	ABHISHEK KUMAR
7	2102220100007	Abhishek Mandal Absent
8	2102220100008	Abhishek Yadav
9	2102220100009	Adarsh Kumar Jha
10	2102220100010	Aditi Deshwal P
11	2102220100011	Aditya Dagur
12	2102220100012	Aditya Kumar
13	2102220100013	ADITYA KUMAR
14	2102220100014	ADITYA PRATAP SINGH
15	2102220100016	Aditya Sharma
16	2102220100017	Aditya Shukla
17	2102220100018	Ajay Pratap Singh
18	2102220100020	Akanksha Sahu
19	2102220100021	AKHAND PRATAP CHAND P
20	2102220100022	Akshat Sharma
21	2102220100023	Akshit Negi
22	2102220100024	Aman Raj
23	2102220100025	Aman Singh
24	2102220100026	Aman Soni
25	2102220100027	Aman Tiwari
26	2102220100028	Aman Yadav P
27	2102220100030	Amit Biswas
28	2102220100031	Anant Kumar Sharma
29	2102220100032	Anil Yadav
30	2102220100033	Anjesh Kumar
31	2102220100034	Ankit Kumar
32	2102220100035	Ankit Kumar P
33	2102220100037	Ankit Patel
34	2102220100038	Ankit Rai
35	2102220100039	Ankit Vishwakarma
36	2102220100040	ANKUL KUMAR
37	2102220100041	ANSH SINGH
38	2102220100042	Anshika Solanki
39	2102220100043	Anuj Bhati
40	2102220100044	Anuj Gupta
41	2102220100045	Anupriya Gupta
42	2102220100046	ANUSHKA SHARMA
43	2102220100047	Arjun Kumar Sharma
44	2102220100049	Arushi Ali
45	2102220100051	ASHUTOSH ANAND
46	2102220100052	Atul Sharma
47	2102220100053	Avinash Tripathi
48	2102220100054	Ayush Raj
49	2102220100055	Ayush Raj
50	2102220100056	Ayush Roy
51	2102220100057	AYUSH TRIPATHI
52	2102220100058	Ayush Trivedi
53	2102220100059	Chahat Ladhani
54	2102220100061	DANISH AHMED
55	2102220100062	Deepak Sharma
56	2102220100063	Deepak Singh
57	2102220100064	Deepanshu Sharma
58	2102220100066	DEV RATHORE Dev Rathore
59	2102220100068	Dhriti Shekhar
60	2202220109001	Ankit Kumar Rai
61	2202220109002	Anshul Kumar
62	2202220109003	Aryan Jha
63	2202220109005	Chaitanya Tripathi
64	2202220109007	Km. Anjali Verma

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I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-B		
Sr.No	Roll No.	Name
1	2102220100069	Dhuruv Kumar
2	2102220100071	Divyanshu Singh
3	2102220100072	Gagan Sahu
4	2102220100074	GUNGUN SALUJA
5	2102220100075	Harjeet Singh
6	2102220100076	HARSH BHARDWAJ
7	2102220100077	Harsh Kumar Patel
8	2102220100078	Harsh Pandey
9	2102220100079	Harsh Rajput
10	2102220100081	Harshit Kumar Dwivedi
11	2102220100082	Harshvardhan Pathak
12	2102220100083	Himanshi Bhardwaj
13	2102220100084	Hiresh Kumar
14	2102220100085	Isha Deol
15	2102220100086	Ishika Saxena
16	2102220100088	Kalpana Kushwaha
17	2102220100089	Kamal Singh
18	2102220100090	Karan Kumar
19	2102220100091	KARTIKEY KESHARI
20	2102220100092	Kartikey Shakya
21	2102220100095	KISHAN TRIPATHI
22	2102220100096	Krish Verma
23	2102220100097	Krishna Km Ojha
24	2102220100099	Kunwar Bhagar Singh
25	2102220100100	Kushagra Gangwar
26	2102220100101	Lakshya Pratap Singh
27	2102220100103	Lokesh Sharma
28	2102220100104	Manasvi Lalit
29	2102220100105	Manish Kumar Raj
30	2102220100106	Manish Verma
31	2102220100107	Manjeet Mishra
32	2102220100108	MAYANK YADAV
33	2102220100109	Md Adil Imran
34	2102220100110	MD. SERAJ ANWAR
35	2102220100111	MOH. FAIZAN
36	2102220100112	MOHD SAAD
37	2102220100113	Mohd Uvesh
38	2102220100114	MRITUNJAY RAI
39	2102220100115	Mukul Negi
40	2102220100116	Navya Srivastava
41	2102220100117	Neeraj Kumar
42	2102220100118	Niharika Shivhare
43	2102220100119	Niharika Tiwari
44	2102220100120	Nikhil Kumar
45	2102220100121	Nikhil Kumar Maurya
46	2102220100122	Nikhil Verma
47	2102220100123	Nisar Ansari
48	2102220100124	Nishant Kumar Dubey
49	2102220100125	NITIN YADAV
50	2102220100126	Nityam Kumar Mishra
51	2102220100127	Nityanav Sharma
52	2102220100128	Nupur Kumari
53	2102220100129	PARTHIVI MALIK
54	2102220100130	Patel Piyush Dinesh
55	2102220100131	Piyush Kumar Singh
56	2102220100132	Pragya Chaudhary
57	2202220109006	Jatin Kumar
58	2202220109008	Krishna Bhardwaj
59	2202220109009	Krishna Mahto
60	2202220109010	Md. Asharaf Khan
61	2202220109011	Mir Sabreena
62	2202220109012	Ranjan Sarkar
63	2202220109013	Rohit Kumar
64	2202220109015	Sabia Gulzar

Harjeet Singh

Harsh

Isha.

Kartikey

Manasvi

Manjeet

faiza

Mohd Uvesh

Niharika

Nitin Yadav.

Nupur

Sabreena

Sabia

HOD - CSE
I.T.S. Engineering College

14/6/23

Post Lunch

DS & ML

I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-C		
Sr.No	Roll No.	Name
1	2102220100133	Prakhar Pandey
2	2102220100134	Prakhar Prakash Singh
3	2102220100136	Priya Kumari
4	2102220100137	Priya Sah Deo
5	2102220100139	Raj Rajput
6	2102220100140	RAJA PRASAD
7	2102220100141	RAJSHREEE Rajshree
8	2102220100144	Rohan
9	2102220100145	Rohan Kumar
10	2102220100146	Rohit Sharma
11	2102220100147	Roshan Singh
12	2102220100148	Sachin Kumar
13	2102220100149	Sachin Kumar
14	2102220100150	Sagar Singh
15	2102220100151	Saiba Ajaz
16	2102220100152	Saif Ahmad Ansari
17	2102220100154	Saksham Vasistha
18	2102220100155	SANDEEP KUMAR YADAV
19	2102220100156	Sandeep Sharma
20	2102220100158	SATYAM SINGH
21	2102220100159	Satyam Singh Kushwaha
22	2102220100160	Saurabh Kumar Jha
23	2102220100161	Shahnawaz Khan Sanakhan
24	2102220100162	Shivansh Seth
25	2102220100163	Shivansh Sharma
26	2102220100164	Shivesh Kumar Jha
27	2102220100165	SHREYA UPADHYAY
28	2102220100166	Shruti Pragya
29	2102220100167	Shrutika Dhiraj Patel
30	2102220100168	Shubham Mishra
31	2102220100169	Siddhant Jadoun
32	2102220100170	Siddharth Ojha
33	2102220100171	Somil Bhardwaj
34	2102220100172	SRIJAN SHUKLA
35	2102220100176	Suraj Kumar Prasad Suraj
36	2102220100177	Sushant Kumar
37	2102220100178	Sweta Mishra
38	2102220100179	Syed Aqib Abbas
39	2102220100181	Tarun Kumar Dubey
40	2102220100182	TARUN SINGH
41	2102220100183	Tulshi Sharma
42	2102220100184	Uttpal Kant
43	2102220100185	VAIBHAV KUMAR SINGH
44	2102220100186	Vaishali Chaurasia
45	2102220100188	Varun Sharma
46	2102220100189	Varun Tyagi
47	2102220100190	VIDHI BHATI
48	2102220100191	Vikas Mahto
49	2102220100192	Vikash Tiwari
50	2102220100193	Vinay Kumar Solanki
51	2102220100194	Vinay Yadav
52	2102220100195	Vipin Kumar
53	2102220100196	Vipul Upadhyay
54	2102220100197	Vishal Bhardwaj
55	2102220100198	Vishnu Kumar
56	2102220100199	Vishnu Singh Vishnu
57	2102220100200	Vishu
58	2102220100201	Yash
59	2102220100202	Yash Joshi
60	2102220100203	Yatin Kasnyal
61	2202220109014	Rohit Patel
62	2202220109017	Vivek Pandey

HOD - CSE
I.T.S. Engineering College

14/6/23

Post Lunch

DS & ML

AIML 4th Sem.

Sr. No.	Roll Number	Name	Batch
1	2102221640001	Abhay	
2	2102221640003	Adarsh Vishesh	
3	2102221640005	Aditya Rai	
4	2102221640006	Aditya Shubham Jha	
5	2102221640008	Afzal Ansari	
6	2102221640009	Akshita Khanduri	
7	2102221640010	Amrendra Chaudhary	
8	2102221640011	Angeel Sharma	
9	2102221640012	Anshuman	
10	2102221640013	Anuj Kumar	
11	2102221640014	Aryan Yadav	
12	2102221640015	Ashmit Paul	
13	2102221640016	Biswajeet Samal	G1
14	2102221640017	Chandan Vaishnav	
15	2102221640018	Deepanshu Choudhary	
16	2102221640019	Devendra Rai Devendra Rai	
17	2102221640020	Devesh Pratap Singh	
18	2102221640021	Divyanshu Pandey	
19	2102221640022	Hariom Sharan Singh	
20	2102221640023	Harsh Srivastav	
21	2102221640024	Harsh Vardhan	
22	2102221640025	Hritik Kumar	
23	2102221640026	Kamayani Pandey	
24	2102221640027	Karan Singh	
25	2102221640028	Kasim	
26	2102221640029	Khemendra Kumar	
27	2102221640031	Krati Gupta	
28	2102221640032	Kunal Goyal	
29	2102221640033	Manish Kumar	
30	2102221640041	Priyanshu Mishra	
31	2102221640042	Rishabh Sahu	
32	2102221640043	Rishabh Sharma	
33	2102221640044	Riya Tripathi	
34	2102221640045	Shivam Singh	
35	2102221640047	Sonu Singh	
36	2102221640048	Sumit Jha	
37	2102221640049	Suryansh S Garg	G2
38	2102221640052	Vaibhav Siroha	
39	2202221649001	ABHAY PRATAP SINGH	
40	2202221649002	ADITYA YADAV	
41	2202221649003	ANAS KHAN	
42	2202221649004	DEVRAJ SHARMA	
43	2202221649005	KANCHAN	
44	2202221649006	SHUBHAM VISHWAKARM	
45	2202221649007	SHUBHANG MISHRA	
46	2202221649008	SUMANT KUMAR TIWARI	
47	2202221649009	VARUN TIWARI	
48	2202221649010	YASH RAJ SHARMA	

HOD - CSE
I.T.S. Engineering College

4/6/23

Pre Lunch

DS & ML

Training Workshop

Attendance

I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-A		
Sr.No	Roll No.	Name
1	2002220100170	TUSHAR GUPTA(ReAdm)
2	2102220100001	Aaditya Gera
3	2102220100002	AASHISH SHARMA
4	2102220100004	Abhinav Gaur
5	2102220100005	Abhinav Tiwari
6	2102220100006	ABHISHEK KUMAR
7	2102220100007	Abhishek Mandal
8	2102220100008	Abhishek Yadav
9	2102220100009	Adarsh Kumar Jha
10	2102220100010	Aditi Deshwal
11	2102220100011	Aditya Dagur
12	2102220100012	Aditya Kumar
13	2102220100013	ADITYA KUMAR
14	2102220100014	ADITYA PRATAP SINGH
15	2102220100016	Aditya Sharma
16	2102220100017	Aditya Shukla
17	2102220100018	Ajay Pratap Singh
18	2102220100020	Akanksha Sahu
19	2102220100021	AKHAND PRATAP CHAND
20	2102220100022	Akshat Sharma
21	2102220100023	Akshit Negi
22	2102220100024	Aman Raj
23	2102220100025	Aman Singh
24	2102220100026	Aman Soni
25	2102220100027	Aman Tiwari
26	2102220100028	Aman Yadav
27	2102220100030	Amit Biswas
28	2102220100031	Anant Kumar Sharma
29	2102220100032	Anil Yadav
30	2102220100033	Anjesh Kumar
31	2102220100034	Ankit Kumar
32	2102220100035	Ankit Kumar
33	2102220100037	Ankit Patel
34	2102220100038	Ankit Rai
35	2102220100039	Ankit Vishwakarma
36	2102220100040	ANKUL KUMAR
37	2102220100041	ANSH SINGH
38	2102220100042	Anshika Solanki
39	2102220100043	Anuj Bhati
40	2102220100044	Anuj Gupta
41	2102220100045	Anupriya Gupta
42	2102220100046	ANUSHKA SHARMA
43	2102220100047	Arjun Kumar Sharma
44	2102220100049	Arushi Ali
45	2102220100051	ASHUTOSH ANAND
46	2102220100052	Atul Sharma
47	2102220100053	Avinash Tripathi
48	2102220100054	Ayush Raj
49	2102220100055	Ayush Raj
50	2102220100056	Ayush Roy
51	2102220100057	AYUSH TRIPATHI
52	2102220100058	Ayush Trivedi
53	2102220100059	Chahat Ladhani
54	2102220100061	DANISH AHMED
55	2102220100062	Deepak Sharma
56	2102220100063	Deepak Singh
57	2102220100064	Deepanshu Sharma
58	2102220100066	DEV RATHORE
59	2102220100068	Dhriti Shekhar
60	2202220109001	Ankit Kumar Rai
61	2202220109002	Anshul Kumar
62	2202220109003	Aryan Jha
63	2202220109005	Chaitanya Tripathi
64	2202220109007	Km. Anjali Verma

HOD - CSE
I.T.S. Engineering College

14/6/23

Prelunch

DS & ML

I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-B		
Sr.No	Roll No.	Name
1	2102220100069	Dhuruv Kumar
2	2102220100071	Divyanshu Singh
3	2102220100072	Gagan Sahu
4	2102220100074	GUNGUN SALUJA
5	2102220100075	Harjeet Singh
6	2102220100076	HARSH BHARDWAJ
7	2102220100077	Harsh Kumar Patel
8	2102220100078	Harsh Pandey
9	2102220100079	Harsh Rajput
10	2102220100081	Harshit Kumar Dwivedi
11	2102220100082	Harshvardhan Pathak
12	2102220100083	Himanshi Bhardwaj
13	2102220100084	Hiresh Kumar
14	2102220100085	Isha Deol
15	2102220100086	Ishika Saxena
16	2102220100088	Kalpana Kushwaha
17	2102220100089	Kamal Singh
18	2102220100090	Karan Kumar
19	2102220100091	KARTIKEY KESHARI
20	2102220100092	Kartikey Shakya
21	2102220100095	KISHAN TRIPATHI
22	2102220100096	Krish Verma
23	2102220100097	Krishna Km Ojha
24	2102220100099	Kunwar Bhagar Singh
25	2102220100100	Kushagra Gangwar
26	2102220100101	Lakshya Pratap Singh
27	2102220100103	Lokesh Sharma
28	2102220100104	Manasvi Lalit
29	2102220100105	Manish Kumar Raj
30	2102220100106	Manish Verma
31	2102220100107	Manjeet Mishra
32	2102220100108	MAYANK YADAV
33	2102220100109	Md Adil Imran
34	2102220100110	MD. SERAJ ANWAR
35	2102220100111	MOH. FAIZAN
36	2102220100112	MOHD SAAD
37	2102220100113	Mohd Uvesh
38	2102220100114	MRITUNJAY RAI
39	2102220100115	Mukul Negi
40	2102220100116	Navya Srivastava
41	2102220100117	Neeraj Kumar
42	2102220100118	Niharika Shivhare
43	2102220100119	Niharika Tiwari
44	2102220100120	Nikhil Kumar
45	2102220100121	Nikhil Kumar Maurya
46	2102220100122	Nikhil Verma
47	2102220100123	Nisar Ansari
48	2102220100124	Nishant Kumar Dubey
49	2102220100125	NITIN YADAV
50	2102220100126	Nityam Kumar Mishra
51	2102220100127	Nityanav Sharma
52	2102220100128	Nupur Kumari
53	2102220100129	PARTHIVI MALIK
54	2102220100130	Patel Piyush Dinesh
55	2102220100131	Piyush Kumar Singh
56	2102220100132	Pragya Chaudhary
57	2202220109006	Jatin Kumar
58	2202220109008	Krishna Bhardwaj
59	2202220109009	Krishna Mahto
60	2202220109010	Md. Asharaf Khan
61	2202220109011	Mir Sabreena
62	2202220109012	Ranjan Sarkar
63	2202220109013	Rohit Kumar
64	2202220109015	Sabia Gulzar

HOD - CSE
I.T.S. Engineering College

14/6/23

Pre lunch

DS & ML

I.T.S ENGINEERING COLLEGE , GREATER NOIDA		
Department of CSE		
CSE-Second Year 4th Semester-Section-C		
Sr.No	Roll No.	Name
1	2102220100133	Prakhar Pandey
2	2102220100134	Prakhar Prakash Singh
3	2102220100136	Priya Kumari
4	2102220100137	Priya Sah Deo
5	2102220100139	Raj Rajput
6	2102220100140	RAJA PRASAD
7	2102220100141	RAJSHREEE
8	2102220100144	Rohan
9	2102220100145	Rohan Kumar
10	2102220100146	Rohit Sharma
11	2102220100147	Roshan Singh
12	2102220100148	Sachin Kumar
13	2102220100149	Sachin Kumar
14	2102220100150	Sagar Singh
15	2102220100151	Saiba Ajaz
16	2102220100152	Saif Ahmad Ansari
17	2102220100154	Saksham Vasistha
18	2102220100155	SANDEEP KUMAR YADAV
19	2102220100156	Sandeep Sharma
20	2102220100158	SATYAM SINGH
21	2102220100159	Satyam Singh Kushwaha
22	2102220100160	Saurabh Kumar Jha
23	2102220100161	Shahnawaz Khan
24	2102220100162	Shivansh Seth
25	2102220100163	Shivansh Sharma
26	2102220100164	Shivesh Kumar Jha
27	2102220100165	SHREYA UPADHYAY
28	2102220100166	Shruti Pragya
29	2102220100167	Shrutika Dhiraj Patel
30	2102220100168	Shubham Mishra
31	2102220100169	Siddhant Jadoun
32	2102220100170	Siddharth Ojha
33	2102220100171	Somil Bhardwaj
34	2102220100172	SRIJAN SHUKLA
35	2102220100176	Suraj Kumar Prasad
36	2102220100177	Sushant Kumar
37	2102220100178	Sweta Mishra
38	2102220100179	Syed Aqib Abbas
39	2102220100181	Tarun Kumar Dubey
40	2102220100182	TARUN SINGH
41	2102220100183	Tulshi Sharma
42	2102220100184	Uttpal Kant
43	2102220100185	VAIBHAV KUMAR SINGH
44	2102220100186	Vaishali Chaurasia
45	2102220100188	Varun Sharma
46	2102220100189	Varun Tyagi
47	2102220100190	VIDHI BHATI
48	2102220100191	Vikas Mahto
49	2102220100192	Vikash Tiwari
50	2102220100193	Vinay Kumar Solanki
51	2102220100194	Vinay Yadav
52	2102220100195	Vipin Kumar
53	2102220100196	Vipul Upadhyay
54	2102220100197	Vishal Bhardwaj
55	2102220100198	Vishnu Kumar
56	2102220100199	Vishnu Singh
57	2102220100200	Vishu
58	2102220100201	Yash
59	2102220100202	Yash Joshi
60	2102220100203	Yatin Kasnyal
61	2202220109014	Rohit Patel
62	2202220109017	Vivek Pandey

Absent

HOD - CSE
I.T.S. Engineering College

14/06/23 Predunch

DS & M

AIML 4th Sem.

Sr. No.	Roll Number	Name	Batch
1	2102221640001	Abhay	
2	2102221640003	Adarsh Vishesh	
3	2102221640005	Aditya Rai	
4	2102221640006	Aditya Shubham Jha	
5	2102221640008	Afzal Ansari	
6	2102221640009	Akshita Khanduri	
7	2102221640010	Amrendra Chaudhary	
8	2102221640011	Angeel Sharma	
9	2102221640012	Anshuman	
10	2102221640013	Anuj Kumar	
11	2102221640014	Aryan Yadav	
12	2102221640015	Ashmit Paul	
13	2102221640016	Biswajeet Samal	G1
14	2102221640017	Chandan Vaishnav	
15	2102221640018	Deepanshu Choudhary	
16	2102221640019	Devendra Rai	
17	2102221640020	Devesh Pratap Singh	
18	2102221640021	Divyanshu Pandey	
19	2102221640022	Hariom Sharan Singh	
20	2102221640023	Harsh Srivastav	
21	2102221640024	Harsh Vardhan	
22	2102221640025	Hritik Kumar	
23	2102221640026	Kamayani Pandey	
24	2102221640027	Karan Singh	
25	2102221640028	Kasim	
26	2102221640029	Khemendra Kumar	
27	2102221640031	Krati Gupta	
28	2102221640032	Kunal Goyal	
29	2102221640033	Manish Kumar	
30	2102221640041	Priyanshu Mishra	
31	2102221640042	Rishabh Sahu	
32	2102221640043	Rishabh Sharma	
33	2102221640044	Riya Tripathi	
34	2102221640045	Shivam Singh	
35	2102221640047	Sonu Singh	
36	2102221640048	Sumit Jha	
37	2102221640049	Suryansh S Garg	G2
38	2102221640052	Vaibhav Siroha	
39	2202221649001	ABHAY PRATAP SINGH	
40	2202221649002	ADITYA YADAV	
41	2202221649003	ANAS KHAN	
42	2202221649004	DEVRAJ SHARMA	
43	2202221649005	KANCHAN	
44	2202221649006	SHUBHAM VISHWAKARM	
45	2202221649007	SHUBHANG MISHRA	
46	2202221649008	SUMANT KUMAR TIWARI	
47	2202221649009	VARUN TIWARI	
48	2202221649010	YASH RAJ SHARMA	

HOD - CSE
I.T.S. Engineering College

27 Present

I.T.S Engineering College, Greater Noida

Department of Electrical & Electronics Engineering

Rockwell Automation Centre of Excellence : Assessment sheet

Batch 2018-22
session 2020-21
Sub: **Industrial Automation & Control**
Code: RA- COE

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
CO-1	To understand the concepts of PLC based Program Control instructions	Not able to explain properly the concepts of PLC based Program Control instructions	Somehow managed to explain the concepts of PLC based Program Control instructions	Good Explanation of the concepts of PLC based Program Control instructions	Better Explanation with examples of the concepts of PLC based Program Control instructions	Excellent Explanation the concepts of PLC based Program Control instructions
CO-2	To apply the concepts of Program Control and Data manipulation Instructions.	Does not able to apply the concepts of Program Control and Data manipulation Instructions.	Somehow able to apply the concepts of Program Control and Data manipulation Instructions.	Able to apply the concepts of Program Control and Data manipulation Instructions.	Better applications for the concepts of Program Control and Data manipulation Instructions.	Excellent applications for the concepts of Program Control and Data manipulation Instructions.
CO-3	To analyze the performance of Process Control and Network Systems.	Not able to analyze the performance of Process Control and Network Systems.	Somehow able to analyze the performance of Process Control and Network Systems.	Good analysis for the performance of Process Control and Network Systems.	Good analysis for the performance of Process Control and Network Systems.	Excellent analysis for the performance of Process Control and Network Systems.
CO-4	To evaluate the performance of PLC and SCADA System.	Not able to demonstrate the performance of PLC and SCADA System.	Somehow able to demonstrate the performance of PLC and SCADA System.	Good demonstration for the performance of PLC and SCADA System.	Better demonstration for the performance of PLC and SCADA System..	Excellent demonstration for the performance of PLC and SCADA System.
CO-5	To create PLC, SCADA & HMI based projects.	PLC, SCADA & HMI based Designed project is not working.	PLC, SCADA & HMI based Designed project is working.	PLC, SCADA & HMI based Designed project is working but project explanation is not proper.	PLC, SCADA & HMI based Designed project is working and project explanation is proper.	PLC, SCADA & HMI based Designed project is working and project explanation is excellent.

Director
ITS Engineering College
Greater Noida

(Rajiv Ranjan)

S.No.	Roll No.	Name of the Students	To understand the concepts of PLC based Program Control instructions		To apply the concepts of Program Control and Data manipulation Instructions.		To analyze the performance of Process Control and Network Systems.		To evaluate the performance of PLC and SCADA System.		To create PLC, SCADA & HMI based projects.		Total Score	Certified (Y/N)
			25		25		50		50		50		200	
			Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	
1	1822221001	ABHISHEK KUMAR	20	Y	21	Y	42	Y	43	Y	42	Y	168	Y
2	1822221003	ANURAG RISHI	12	N	13	N	24	N	27	N	26	N	102	N
3	1822221004	ARJUN KUMAR	21	Y	22	Y	43	Y	44	Y	43	Y	173	Y
4	1822221005	ARUN KUMAR VERMA	22	Y	23	Y	44	Y	45	Y	28	N	162	Y
5	1822221006	ASIF REJA	23	Y	24	Y	46	Y	46	Y	45	Y	184	Y
6	1822221007	ASHUTOSH PRATAP	13	N	14	N	26	Y	29	Y	28	N	110	N
7	1822221009	DHANANJAY	21	Y	22	Y	42	Y	42	Y	41	Y	168	Y
8	1822221010	HARSHIT	20	Y	21	Y	40	N	22	N	21	Y	124	Y
9	1822221011	HIMANSHU YADAV	14	N	14	N	28	N	28	N	26	N	110	N
10	1822221014	MANISH KUMAR	18	Y	19	Y	36	Y	39	Y	38	Y	150	Y
11	1822221015	MD DANISH	11	N	12	N	22	N	24	N	23	N	92	N
12	1822221016	MOHAMMAD SHADAB	10	N	11	N	20	N	22	N	21	N	84	N
13	1822221017	NITENDRA KUMAR	11	N	12	N	22	N	24	N	23	N	92	N
14	1822221018	PARAS NATH YADAV	18	Y	16	Y	36	N	32	N	31	Y	133	Y
15	1822221019	RAVI KUMAR	17	Y	18	Y	34	Y	36	Y	35	Y	140	Y
16	1822221020	ROHIT SAHU	18	Y	19	Y	36	Y	38	Y	37	Y	148	Y
17	1822221021	ROHIT SAHU	16	Y	17	Y	32	Y	34	Y	33	Y	132	Y
18	1822221022	SADHANA SINGH	14	N	15	Y	28	Y	30	Y	29	Y	116	N
19	1822221023	SALMAN	13	N	14	N	26	N	28	N	27	N	108	N
20	1822221024	SHIVAM SINGH	21	Y	22	N	25	N	25	N	38	N	131	Y

Y≥ 60% Else N

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ITS Engineering College
Greater Noida

(Virendra K. Agarwal)

(Rajiv Ranjan)

Industrial Automation & Control (COE- Rockwell Automation) Training			
Session 2018-2019 (EEE)			
S.No	Roll No.	Student Name	Certified(Y-Yes/ N- No)
1	1522221008	AVINASH KUMAR	N
2	1522221011	MD. SHAQUEEB	Y
3	1422221009	DEEPANSHU LAL	N
4	1522221017	RAHUL UPADHAY	Y
5	1522221014	NIKHIL SAHU	Y
6	1522221009	DEEPAK KUMAR SINGH	Y
7	1522221013	MUKESH KUMAR	Y
8	1522221007	ANUPAM KUMAR	Y
9	1522221004	AKARSH SONI	Y
10	1522221010	KUNWAR BAHADUR SINGH	Y
11	1522221015	NITIN KUMAR SHARMA	Y
12	1522221006	ANKIT SINGH	Y
13	1522221016	PRAFFULLA KANT	Y
14	1622221901	ASHISH PRATAP GAUTAM	Y
15	1422221005	ASHISH GAUTAM	N
16	1522221012	MD. ZEESHAN	Y
17	1522221018	RAJ KUMAR	Y
18	1522221002	ADITYA RAJ SINGH	Y
19	1522221019	RAJ KUMAR	Y
20	1522221003	AHMAR	N
	No. of students attended =	**20**	
	No. of students Certified =	**16**	
	No. of students Not certified =	**4**	

Dr. Rajiv Ranjan

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training Evaluation-Session 2018-2019 (EEE)

S.No	Roll No.	Student Name	Attendance (20)	Lab Performance (30)	Final Assessment (50)	Total Marks (100)
1	1522221008	AVINASH KUMAR	18	22	14	54
2	1522221011	MD. SHAQUEEB	16	24	25	65
3	1422221009	DEEPANSHU LAL	18	21	15	54
4	1522221017	UPADHAY	17	23	28	68
5	1522221014	NIKHIL SAHU	16	26	26	68
6	1522221009	DEEPAK KUMAR SINGH	18	24	27	69
7	1522221013	MUKESH KUMAR	17	25	28	70
8	1522221007	ANUPAM KUMAR	16	23	32	71
9	1522221004	AKARSH SONI	18	22	33	73
10	1522221010	KUNWAR BAHADUR SINGH	19	23	40	82
11	1522221015	NITIN KUMAR SHARMA	16	24	38	78
12	1522221006	ANKIT SINGH	16	25	42	83
13	1522221016	KANT	15	23	44	82
14	1622221901	ASHISH PRATAP GAUTAM	17	26	40	83
15	1422221005	ASHISH GAUTAM	16	21	11	48
16	1522221012	MD. ZEESHAN	18	25	38	81
17	1522221018	RAJ KUMAR	17	25	38	80
18	1522221002	SINGH	18	24	27	69
19	1522221019	RAJ KUMAR	18	26	28	72
20	1522221003	AHMAR	17	23	11	51

No. of students attended = 20
No. of students Certified = 16
No. of students Not certified = 4

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training			
Session 2019-2020 (EEE)			
S.No	Roll No.	Student Name	Certified(Y- Yes/ N- No)
1	1622221001	Aakash Gupta	Y
2	1622221005	ANIL PRAJAPATI	Y
3	1622221022	TUIBA MUSHTAQ	Y
4	1622221002	ABHISHEK KR JAISAWAL	Y
5	1622221004	AKSHAY VERMA	Y
6	1622221017	SHIVAM	Y
7	1622221019	SHREYASH SAHAY	Y
8	1622221003	AJAY KUMAR	Y
9	1722221901	AKHILENDRA DUBEY	Y
10	1722221904	MADHVENDRA DUBEY	Y
11	1622221012	MD SAMIER ALAM	Y
12	1622221013	PRINCE SHAHNI	N
13	1622221018	SHIVAM RATHORE	Y
14	1622221006	ANUJ KATIYAR	Y
15	1622221020	SRISHTI KUMARI	Y
16	1722221902	DAWOOD AHMAD	Y
17	1722221903	JAFFER AMIN SOFI	N
18	1722221902	HIMANSHU KUMAR	N

No. of students attended = 18
No. of students Certified = 15
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training

Evaluation-Session 2019-2020 (EEE)

S.No	Roll No.	Student Name	Attendance (20)	Lab Performance (30)	Assessment (50)	Total Marks (100)
1	1622221001	Aakash Gupta	17	26	23	66
2	1622221005	ANIL PRAJAPATI	18	25	28	71
3	1622221022	TUIBA MUSHTAQ	16	23	30	69
4	1622221002	ABHISHEK KR JAISAWAL	17	23	30	70
5	1622221004	AKSHAY VERMA	18	25	24	67
6	1622221017	SHIVAM	18	24	27	69
7	1622221019	SAHAY	17	25	29	71
8	1622221003	AJAY KUMAR	18	22	32	72
9	1722221901	DUBEY	18	23	32	73
10	1722221904	MADHVENDRA DUBEY	17	24	35	76
11	1622221012	ALAM	18	24	39	81
12	1622221013	PRINCE SHAHNI	16	17	15	48
13	1622221018	RATHORE	18	24	38	80
14	1622221006	ANUJ KATIYAR	15	26	34	75
15	1622221020	SRISHTI KUMARI	16	23	9	48
16	1722221902	DAWOOD AHMAD	18	25	38	81
17	1722221903	SOFI	13	16	23	52
18	1722221902	HIMANSHU KUMAR	14	14	18	46

No. of students attended = 18
No. of students Certified = 15
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training

Session 2020-2021 (EEE)

S.No	Roll No.	Student Name	Certified(Y-Yes/ N-No)
1	1822221901	GULAFSHAN MANJOOR	Y
2	1722210127	RIJUL SINGH	Y
3	1722221021	SONAM BHARTI	Y
4	1722221015	MOHD. NADEEM SAIFI	Y
5	1722221015	MD. ISRAR ALAM	Y
6	1722221017	RANJAN SINHA	Y
7	1722221014	MD. SHAREYAR	Y
8	1722221010	HARSHIT KUMAR SINGH	Y
9	1722221011	KAMLESH THAKUR	Y
10	1722221006	DEVRAJ KASANA	Y
11	1722221019	Sagar Bhatt	N
12	1722221022	Sunil Gupta	Y
13	1722221008	Durgesh Kumar	Y
14	1822221903	Shubham Chaudhary	Y
15	1722221009	GAUTAM KUMAR	Y
16	1722221004	ASIF KARIM	N
17	1722221005	AZAD ALI	N
18	1722221002	ABHINANDAN KUMAR	Y
19	1722221007	DHANANJAY YADAV	Y
20	1722221016	NISHU KUMAR	Y

No. of students attended = 20
No. of students Certified = 16
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training

Evaluation-Session 2020-2021 (EEE)

S.No	Roll No.	Student Name	Attendance (20)	Lab Performance (30)	Final Assessment (50)	Total Marks (100)
1	1822221901	GULAFSHAN MANJOOR	16	22	33	71
2	1722210127	RIJUL SINGH	15	24	26	65
3	1722221021	SONAM BHARTI	17	21	40	78
4	1722221015	MOHD. NADEEM SAIFI	16	23	44	83
5	1722221015	MD. ISRAR ALAM	18	26	25	69
6	1722221017	RANJAN SINHA	18	24	30	72
7	1722221014	MD. SHAREYAR	17	25	39	81
8	1722221010	HARSHIT KUMAR SINGH	16	23	25	64
9	1722221011	KAMLESH THAKUR	16	22	27	65
10	1722221006	DEVRAJ KASANA	17	23	33	73
11	1722221019	Sagar Bhatt	16	14	25	55
12	1722221022	Sunil Gupta	16	25	22	63
13	1722221008	Durgesh Kumar	15	23	38	76
14	1822221903	Shubham Chaudhary	18	26	30	74
15	1722221009	GAUTAM KUMAR	17	21	24	62
16	1722221004	ASIF KARIM	12	15	24	51
17	1722221005	AZAD ALI	13	18	16	47
18	1722221002	ABHINANDAN KUMAR	18	24	24	66
19	1722221007	DHANANJAY YADAV	18	26	39	83
20	1722221016	NISHU KUMAR	17	23	37	77

No. of students attended = 20
No. of students Certified = 16
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training			
Session 2021-2022 (EEE)			
S.No	Roll No.	Student Name	Certified(Y-Yes/ N-No)
1	1822221022	SADHANA SINGH	Y
2	1822221023	SALMAN	N
3	1822221017	NITENDRA KUMAR	Y
4	1822221006	ASIF REZA	Y
5	1822221007	ASHUTOSH PRATAP SINGH	Y
6	1822221016	MD. SHADAB	Y
7	1822221015	MD.DANISH	Y
8	1822221014	MANISH KUMAR	N
9	1822221011	HIMANSHU YADAV	Y
10	1822221001	ABHISHEK KUMAR	Y
11	1822221005	ARUN KUMAR VERMA	Y
12	1822221004	ARJUN KUMAR	N
13	1822221021	ROHIT SAHU	Y
14	1822221003	ANURAG RISHI	Y
15	1822221024	SHIVAM SINGH	Y
16	1822221010	HARSHIT ROY	Y
17	1822221019	RAVI KUMAR	Y
18	1822221020	ROHIT SAHU	Y
19	1822221009	DHANANJAY KUSHWAHA	Y
20	1822221018	PARASNATH YADAV	Y

No. of students attended = 20
No. of students Certified = 17
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I.T.S. Engg. College
Greater Noida

Industrial Automation & Control (COE- Rockwell Automation) Training

Evaluation -Session 2021-2022 (EEE)

S.No	Roll No.	Student Name	Attendance (20)	Lab Performance (30)	Final Assessment (50)	Total Marks (100)
1	1822221022	SADHANA SINGH	19	26	31	76
2	1822221023	SALMAN	13	17	21	51
3	1822221017	NITENDRA KUMAR	17	25	26	68
4	1822221006	ASIF REZA	18	26	27	71
5	1822221007	ASHUTOSH PRATAP SINGH	16	28	25	69
6	1822221016	MD. SHADAB	17	26	27	70
7	1822221015	MD.DANISH	16	25	25	66
8	1822221014	MANISH KUMAR	18	26	4	48
9	1822221011	HIMANSHU YADAV	16	26	25	67
10	1822221001	ABHISHEK KUMAR	18	20	36	74
11	1822221005	ARUN KUMAR VERMA	18	22	37	77
12	1822221004	ARJUN KUMAR	17	25	11	53
13	1822221021	ROHIT SAHU	15	26	40	81
14	1822221003	ANURAG RISHI	15	24	37	76
15	1822221024	SHIVAM SINGH	14	27	31	72
16	1822221010	HARSHIT ROY	17	24	30	71
17	1822221019	RAVI KUMAR	16	25	28	69
18	1822221020	ROHIT SAHU	18	25	27	70
19	1822221009	DHANANJAY KUSHWAHA	18	24	38	80
20	1822221018	PARASNATH YADAV	17	22	32	71

No. of students attended = 20
No. of students Certified = 17
No. of students Not certified = 3

(Dr. Rajiv Ranjan)

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

I.T.S ENGINEERING COLLEGE
(NBA & NAAC Accredited)
46, Knowledge Park-III, Greater Noida, Distt. Gautam Budh Nagar (U.P.)
Ph: (0120) 2331000/1, Website: its.edu.in

Department of Electrical & Electronics Engineering
Industrial Automation & Control

Centre of Excellence - Rockwell Automation
Content and Schedule

Module-1

Unit-1:
PLC Overview: Introduction, Parts of PLC, Principle of Operation, PLC Vs Computers, PLC Application

Unit2:
PLC Hardware Components,The I/O section, Discrete I/O Module, Analog I/O Module, CPU, I/O specifications, Memory Design, Programming Terminal Devices

Unit3:
Fundamental of Logic: Binary Concept, AND, OR, NOT, XOR Function, Boolean Algebra, Developing Logic Gate Circuits, Hardware Logic versus Programmed Logic, Programming word Level Logic Instructions

Unit4:
Basics of PLC Programming:
Processor Memory Organization, Program Scan, PLC Programming Language, Relay – Type Instructions, Instruction Addressing, Branch Instructions, Programming XIO/XIC Instructions.

References:

Books:

1. Programmable Logic Controllers Frank D and Petruzella , Mc Graw Hill.
2. PLCs & SCADA Theory and Practice by Rajesh Mehra and Vikrant Vij, University Science Press.

NPTEL Link:
https://nptel.ac.in/downloads/108105063/

YouTube:
https://www.youtube.com/watch?v=Ei4_HqzUFBs

Dr. Rajiv Ranjan
Coordinator, Rockwell Automation COE
Assistant Professor, EEE Dept.

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

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Department of Electrical & Electronics Engineering
Department of Electrical & Electronics Engineering
Industrial Automation & Control
Centre of Excellence - Rockwell Automation
Content and Schedule

Module-2

Unit-1: Programmable Logic Controllers: PLC Overview, Principle of Operation, PLC Hardware Components, Fundamental of Logic, Basics of PLC Programming, PLC Application.

Unit 2: PLC Manufacturing Companies and Types of PLC: Siemens, Rockwell automation, ABB, Schneider Electric, Mitsubishi electric, Yokogawa electric, Omron automation, Allen Bradley, Modicon etc.

Unit3: Developing Fundamentals of PLC wiring Diagrams & Ladder Logic Programs: Electromagnetic Control Relays, Contactors, Motor Starters, Manually Operated Switchs, Mechanically Operated Switches, Sensors, Output Control Devices, Latching Relays Wiring a RLL program.

Unit 4: Programming Timer & Counters: Timer Instructions, On- Delay Timer, Off- Delay Timer, Retentive, Cascading Timer, Counter Instructions, Up- Counter, Down Counter, Cascading Counter.

References:

Books:

1. Programmable Logic Controllers Frank D and Petruzella , Mc Graw Hill.
2. PLCs & SCADA Theory and Practice by Rajesh Mehra and Vikrant Vij, University Science Press.

NPTEL Link: https://nptel.ac.in/downloads/108105063/
YouTube: https://www.youtube.com/watch?v=Ei4_HqzUFBs

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Department of Electrical & Electronics Engineering
Industrial Automation & Control
Centre of Excellence - Rockwell Automation
Content and Schedule

Module-3

Unit-1: Developing PLC wiring Diagrams & Ladder Logic Programs using Timers & Counters: Converting Relay Schematic into PLC Ladder Programs, Combining Timer and Counter Functions. Writing a Ladder Logic Program from a Narrative Description.

Unit 2: Program Control instructions: Master Control Reset Instructions, Jump Instruction, Subroutine Functions, Forcing External I/O Addresses, Selectable Timer Interrupt, Fault Routine, Suspended Instruction.

Unit 3: Data manipulation Instructions:
Data Manipulation, Data transfer Operations, Data Compare, Data Manipulation Programs, Numerical Data I/O Interfaces, Closed Loop Control.

Unit4: Sequencer and Shift Register Instructions: Mechanical Sequencers, Sequencer Instructions, Sequencer Programs, Bit Shift Registers, Word Shift Operations.

References:

Books:

1. Programmable Logic Controllers Frank D and Petruzella , Mc Graw Hill.
2. PLCs & SCADA Theory and Practice by Rajesh Mehra and Vikrant Vij, University Science Press.

NPTEL Link:
https://nptel.ac.in/downloads/108105063/
YouTube:
https://www.youtube.com/watch?v=Ei4_HqzUFBs

Dr. Rajiv Ranjan
Coordinator, Rockwell Automation COE
Assistant Professor, EEE Dept.

Head of Department
Electrical & Electronics Engg.
I. T. S. Engg. College
Greater Noida

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Department of Electrical & Electronics Engineering
Industrial Automation & Control
Centre of Excellence - Rockwell Automation
Content and Schedule

Module-4

Unit 1: PLC Installation Practices, Editing and Troubleshooting
PLC Enclosures, Leaky Input and Outputs, Voltage Variations and Surges, Program Editing and Commissioning, Programming and Monitoring, Preventive Maintenance, Troubleshooting: Processor Module, Input Malfunctions, Output Malfunctions, PLC Programming Software.

Unit 2: Process Control and Network Systems: Types of Processes, Structure of Control Systems, On/Off Control, PID Control, Motion Control, VFD, Data Communication.

Unit 3: SCADA Animations: Animation Dialog Box, Memory Tag, Text Animation, String Display and String Input, Fill Animation, Label, Slider, Position Animation, Dimension Animation, Touch Animation, HMI.

Unit4: PLC & SCADA Interface: Introduction, SCADA Software Installation, PLC-SCADA Project Development, Alarming, Data Logging, Event Detection, Derived Tags, Macros, Trends, OLE.

References:

Books:

1. Programmable Logic Controllers Frank D and Petruzella , Mc Graw Hill.
2. PLCs & SCADA Theory and Practice by Rajesh Mehra and Vikrant Vij, University Science Press.

NPTEL Link: https://nptel.ac.in/downloads/108105063/
YouTube: https://www.youtube.com/watch?v=Ei4_HqzUFBs

Head of Department
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Greater Noida

Dr. Rajiv Ranjan
Coordinator, Rockwell Automation COE
Assistant Professor, EEE Dept.

I.T.S Engineering College, Greater Noida

Department of Electrical & Electronics Engineering

Rockwell Automation Centre of Excellence : Assessment sheet

Batch 2019-23
session 2020-21
Sub: **Concepts of PLC and its applications**
Code: RA- COE

Methodology / Course Outcome (COs)		Scale				
		1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
CO-1	To understand the concepts of PLC and applications	Not able to explain properly the concepts of PLC and applications	Somehow managed to explain the concepts of PLC and applications.	Good Explanation of the concepts of PLC and applications	Better Explanation with examples of the concepts of PLC and applications	Excellent Explanation the concepts of PLC and applications
CO-2	To apply the concepts of PLC and PLC programming.	Does not able to apply the concepts of PLC and PLC programming.	Somehow able to apply the concepts of PLC and PLC programming.	Able to apply the concepts of PLC and PLC programming.	Better applications for the concepts of PLC and PLC programming.	Excellent applications for the concepts of PLC and PLC programming. with examples
CO-3	To analyze the performance of controller.	Not able to analyze the performance of controller.	Somehow able to analyze the performance of controller.	Good analysis for the performance of controller.	Good analysis for the performance of controller.	Excellent analysis for the performance of controller.
CO-4	To evaluate the performance of PLC.	Not able to demonstrate the performance of PLC.	Somehow able to demonstrate the performance of PLC.	Good demonstration for the performance of PLC.	Better demonstration for the performance of PLC.	Excellent demonstration for the performance of PLC.
CO-5	To create PLC based projects.	Designed project is not working.	Designed project is working.	Designed project is working but project explanation is not proper.	Designed project is working and project explanation is proper.	Designed project is working and project explanation is excellent.

Director
ITS Engineering College
Greater Noida

(Rajiv Ranjan)

S.No.	Roll No.	Name of the Students	To understand the concepts of PLC and applications		To apply the concepts of PLC and PLC programming.		To analyze the performance of controller.		To evaluate the performance of PLC.		To create PLC based projects.		Total Score	Certified (Y/N)
			25		25		50		50		50		200	
			Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	
1	1902220210001	ABHISHEK. KUMAR	14	N	12	N	24	N	28	N	25	N	103	N
2	1902220210002	AMIR MUZAFAR MIR	12	N	11	N	22	N	21	N	20	N	86	N
3	1902220210003	ANKIT SINGH.	21	Y	20	Y	40	Y	44	Y	43	Y	168	Y
4	1902220210004	DHANANJAY YADAV.	22	Y	21	Y	42	Y	46	Y	28	N	159	Y
5	1902220210006	IMRAN FAYAZ	11	N	10	N	20	N	24	N	23	N	88	N
6	1902220210007	MANISH PANDEY	19	Y	18	Y	36	Y	40	Y	39	Y	152	Y
7	1902220210008	MAYANK SENGAR	21	Y	20	Y	40	Y	44	Y	24	N	149	Y
8	1902220210009	MD SAHIL ANSARI	17	Y	16	Y	32	Y	36	Y	35	Y	136	Y
9	1902220210010	MOHAMMAD FAISAL FAROOQ W	11	N	10	N	20	N	24	N	26	N	91	N
10	1902220210011	SACHIN. KUMAR	13	Y	12	Y	24	N	28	N	27	N	104	N
11	1902220210012	SHIVENDRA SINGH	18	Y	17	Y	34	Y	38	Y	37	Y	144	Y
12	1902220210013	SHUBHAM KUMAR.	22	Y	21	Y	42	Y	46	Y	45	Y	176	Y
13	1902220210014	SUDHEER MISHRA	11	N	10	N	20	N	24	N	23	N	88	N
14	1902220210015	TARISH KHAN	16	Y	14	N	28	N	32	Y	31	Y	121	Y
15	2002220219001	MD. SAMIRUDDIN ANSARI	21	Y	20	Y	40	Y	44	Y	43	Y	168	Y

Y≥ 60% Else N

(Virendra K. Agarwal)

Director
ITS Engineering College
Greater Noida

(Rajiv Ranjan)

I.T.S Engineering College, Greater Noida

Department of Electrical & Electronics Engineering

Rockwell Automation Centre of Excellence : Assessment sheet

Batch 2019-23
session 2020-21
Sub: **Concepts of PLC and its applications**
Code: RA- COE

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
CO-1	To understand the concepts of PLC and applications	Not able to explain properly the concepts of PLC and applications	Somehow managed to explain the concepts of PLC and applications.	Good Explanation of the concepts of PLC and applications	Better Explanation with examples of the concepts of PLC and applications	Excellent Explanation the concepts of PLC and applications
CO-2	To apply the concepts of PLC and PLC programming.	Does not able to apply the concepts of PLC and PLC programming.	Somehow able to apply the concepts of PLC and PLC programming.	Able to apply the concepts of PLC and PLC programming.	Better applications for the concepts of PLC and PLC programming.	Excellent applications for the concepts of PLC and PLC programming. with examples
CO-3	To analyze the performance of controller.	Not able to analyze the performance of controller.	Somehow able to analyze the performance of controller.	Good analysis for the performance of controller.	Good analysis for the performance of controller.	Excellent analysis for the performance of controller.
CO-4	To evaluate the performance of PLC.	Not able to demonstrate the performance of PLC.	Somehow able to demonstrate the performance of PLC.	Good demonstration for the performance of PLC.	Better demonstration for the performance of PLC.	Excellent demonstration for the performance of PLC.

(Rajiv Ranjan)

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ITS Engineering College
Greater Noida

CO-5	To create PLC based projects.	Designed project is not working.	Designed project is working.	Designed project is working but project explanation is not proper.	Designed project is working and project explanation is proper.	Designed project is working and project explanation is excellent.

(Rajiv Ranjan)

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ITS Engineering College
Greater Noida

S.No.	Roll No.	Name of the Students	To understand the concepts of PLC and applications		To apply the concepts of PLC and PLC		To analyze the performance of controller.		To evaluate the performance of PLC.		To create PLC based projects.		Total Score	Certified (Y/N)
			25		25		50		50		50		200	
			Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	
1	1902220210001	ABHISHEK. KUMAR	14	N	12	N	24	N	28	N	25	N	103	N
2	1902220210002	AMIR MUZAFAR MIR	12	N	11	N	22	N	21	N	20	N	86	N
3	1902220210003	ANKIT SINGH.	21	Y	20	Y	40	Y	44	Y	43	Y	168	Y
4	1902220210004	DHANANJAY YADAV.	22	Y	21	Y	42	Y	46	Y	28	N	159	Y
5	1902220210006	IMRAN FAYAZ	11	N	10	N	20	N	24	N	23	N	88	N
6	1902220210007	MANISH PANDEY	19	Y	18	Y	36	Y	40	Y	39	Y	152	Y
7	1902220210008	MAYANK SENGAR	21	Y	20	Y	40	Y	44	Y	24	N	149	Y
8	1902220210009	MD SAHIL ANSARI	17	Y	16	Y	32	Y	36	Y	35	Y	136	Y
9	1902220210010	MOHAMMAD FAISAL FA	11	N	10	N	20	N	24	N	26	N	91	N
10	1902220210011	SACHIN. KUMAR	13	Y	12	Y	24	N	28	N	27	N	104	N
11	1902220210012	SHIVENDRA SINGH	18	Y	17	Y	34	Y	38	Y	37	Y	144	Y
12	1902220210013	SHUBHAM KUMAR.	22	Y	21	Y	42	Y	46	Y	45	Y	176	Y
13	1902220210014	SUDHEER MISHRA	11	N	10	N	20	N	24	N	23	N	88	N
14	1902220210015	TARISH KHAN	16	Y	14	N	28	N	32	Y	31	Y	121	Y
15	2002220219001	MD. SAMIRUDDIN ANS	21	Y	20	Y	40	Y	44	Y	43	Y	168	Y

Y≥ 60% Else N

(Rajiv Ranjan)

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IIMS Engineering College
Greater Noida

I.T.S ENGINEERING COLLEGE
GREATER NOIDA
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The Education Group
Ghaziabad + Greater Noida
(Estd. : 1995)

Department of Electronics & Communication Engineering

e-Yantra : Evaluation Rubric (Process)
Beginner Course: Embedded Systems
e-Yantra COE

	Scale				
	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding of Basic components of electrical & electronic system	Not able to explain the basic components of electrical & electronic system.	Somehow managed to explain basic components of electrical & electronic system.	Good explanation about the basic components of electrical & electronic componnents.	Better Explanation about the components of electrical & electronic system.	Excellent explanation about the components of electrical & electronic system.
C2: Understanding various concepts of embedded system	Not Able to explain the applications of different components in embedded system	Somehow managed to explain the applications of different components in embedded system	Good explanation about the applications of different components in embedded system	Better explanation about the applications of different components in embedded system	Excellent explanation about the applications of different components in embedded system.
C3: Understanding of Arduino, C Programming and buzzer control	Not able to explain about arduino, C programming and its buzzer control	Somewhat able to explain about Arduino, C programming and its buzzer control	Good explanation about Arduino, C programming and its buzzer control	Better explanation about Arduino, C programming and its buzzer control	Best explanation about Arduino, C programming and its buzzer control
C4: Basic Interfacing with different sensors	Not able to apply the basic interfacing with any components	Somewhat able to apply the basic interfacing with some components	Able to apply the basic interfacing with some components but	Able to apply the basic interfacing with all components upto some extenet	Able to apply the basic interfacing with all components and was upto the
C5: Demonstrate Think Speak for IOT applications.	Not able to demonstrate Think Speak for IOT applications	Somehow Able to demonstrate Think Speak for IOT applications	Able to demonstrate Think Speak for IOT applications but not properly	Able to demonstrate Think Speak for IOT applications upto some extent	Excellently demonstrate Think Speak for IOT applications

CO1	To understand basic components of electrical & electronic systems.
CO2	To understand the applications of different components in embedded system.
CO3	To understand fundamentals of Arduino, C Programming and buzzer control.
CO4	To do interfacing with different sensors.
CO5	To demonstrate Think Speak for IOT applications.

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Department of Electronics & Communication Engineering

Marks Assessment sheet

Batch 2020-24
session 2021-22
Sub: **Beginning Course: Embedded Systems**

Methodology

Benchmark		75%								
	Level 1	55% Students secure more than 75% marks							Points	1
	Level 2	65% Students secure more than 75% marks							Points	2
	Level 3	75% Students secure more than 75% marks							Points	3

Course Outcome (COs)	
CO-1	To understand basic components of electrical & electronic systems.
CO-2	To understand the applications of different components in embedded system.
CO-3	To understand fundamentals of Arduino, C Programming and buzzer control.
CO-4	To do interfacing with different sensors.
CO-5	To demonstrate Think Speak for IOT applications.

S.No.	Roll No.	Name of the Students	Understanding of Basic components of electrical & electronic system (CO1)		Understanding of various components of embedded system (CO2)		Understanding of Arduino, C programming and buzzer control (CO3)		Basic interfacing with different sensors (CO4)		Demonstrate Think Speak for IOT applications (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75 % (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Grade	>75% (Y/N)		
1	2002220310016	RAHUL RAJ	13	N	17	Y	16	Y	16	Y	16	Y	78	Y
2	2002220310017	RAJU KUMAR	13	N	13	N	12	N	13	N	13	N	64	N
3	2002220310019	SANJEEV KUMAR	14	N	15	Y	16	Y	14	N	12	N	71	N
4	2002220310020	SUMAN KUMAR	14	N	15	Y	15	Y	15	Y	14	N	73	N
5	2002220310021	UMESH KUMAR	16	Y	17	Y	16	Y	16	Y	16	Y	81	Y
6	2002220310022	VIKRAM KUMAR	18	Y	19	Y	20	Y	18	Y	18	Y	93	Y
7	2102220319001	Navdeep Thakur	16	Y	15	Y	16	Y	16	Y	16	Y	79	Y
8	2102220319002	PARVEEN	18	Y	18	Y	18	Y	18	Y	18	Y	90	Y
9	2102220319003	PRASHANT	18	Y	17	Y	18	Y	18	Y	18	Y	89	Y
Level Achievement			5		8		8		7		6		6	
CO Attainment			0.56		0.89		0.89		0.78		0.67		0.67	

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	Understanding of Basic components of electrical & electronic system	Understanding of various components of embedded system	Understanding of Arduino, C programming and buzzer control	Basic interfacing with different sensor	Demonstrate Think Speak for IOT applications	Average	
CO1	0.56					0.56	
CO2		0.89				0.89	
CO3			0.89			0.89	
CO4				0.78		0.78	
CO5					0.67	0.67	
Average Attainment						0.78	
Overall CO Attainment %						26.00	*0.26*

CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO 1	3								1	1		1	3	1
CO 2	1	2		2	3	1	2		2				3	2
CO 3	2	1	1		2				1	1			2	3
CO 4	2	2	2	2	2				2	2	2		3	1
CO5	2	2	3	3	3				2			2	3	3
Average	2	1.75	1.50	2.33	2.50	1.00	2.00		1.60	1.33	2.00	1.5	2.8	2

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**
CO 1	0.78								0.26	0.26		0.26	0.78	0.26
CO 2	0.26	0.52		0.52	0.78	0.26	0.52		0.52				0.78	0.52
CO 3	0.52	0.26	0.26		0.52				0.26	0.26			0.52	0.78
CO 4	0.52	0.52	0.52	0.52	0.52				0.52	0.52	0.52		0.78	0.26
CO5	0.52	0.52	0.78	0.78	0.78				0.52			0.52	0.78	0.78
Achieved	0.52	0.43	0.39	0.52	0.61	0.26	0.52		0.39	0.35	0.52	0.26	0.72	0.46

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e-Yantra : Evaluation Rubric (Process)					
Department of Electronics & Communication Engineering					
e-Yantra : Evaluation Rubric (Process)					
Advance Course: Embedded Systems					
e-Yantra COE					
	Scale				
	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding of Firebird-V AT Mega 2560 and its input-output interfacing	Not Able to illustrate the firebird and its interfacing.	Somehow managed to illustrate the firebird and its interfacing.	Good illustration of the firebird and its interfacing.	Better illustration of the firebird and its interfacing.	Excellent illustration of the firebird and its interfacing.
C2: Designing a system using Firebird AT Mega 2560	Not able to design a system using Firebird AT Mega 2560.	Somehow managed to design a system using Firebird AT Mega 2560.	Able to design a system using Firebird ATMega 2560 upto certain extent.	Able to design a system using Firebird ATMega 2560 but not upto the mark.	Able to design a system using Firebird using Firebird ATMega 2560 upto the mark.
C3: Understand the controlling of servo motor with AT Mega 2560	Not able to explain the servo motor and its controlling with AT Mega 2560.	Somehow managed to explain the servo motor and its controlling with AT Mega 2560.	Was able to explain the servo motor and its controlling with AT Mega 2560 upto certain extent.	Was able to explain the servo motor and its interfacing but not upto the mark.	Was able to explain the servo motor and its interfacing and was upto the mark.
C4: Understand the basics of Python Programming and its data structures.	Not able to explain the basics of Python programmingand its data structures.	Somehow managed to explain the basics of Python programming and its data structures.	Was able to explain the basics of python programming and its data structures but not upto the mark.	Was able to explain the basics of python programming and its data structures upto certain extent.	Excellent explain the basics of python programming and its data structures.
C5: Application of the python concepts in Arduino and Zigbee.	Not able to Demonstrate the python concepts in Arduino and Zigbee.	Somehow managed to demonstrate the python concepts in Arduino and Zigbee.	Was able to demonstrate the python concepts in Arduino and Zigbee but not upto the mark.	Was able to demonstrate the python concepts in Arduino and Zigbee upto certain extent.	Excellent demonstration the python concepts in Arduino and Zigbee upto the mark.
CO1	To understand the Firebird V- AT Mega 2560 and its interfacing with different embedded systems.				
CO2	To apply and analyze different sensors with Firebird At Mega 2560				
CO3	To understand the controlling of servo motor with At Mega 2560 and its different interrupts.				
CO4	To understand basics of Python Programming and data structures.				
CO5	To apply the python concepts in Arduino and Zigbee.				

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Department of Electronics & Communication Engineering

Marks Assessment sheet

Advance Course to LabVIEW

Batch 2018-22
session 2020-21
Sub; **Advance Course to LabVIEW**

Methodology

Benchmark			75%							
	Level 1		55% Students secure more than 75% marks				Points	1		
	Level 2		65% Students secure more than 75% marks				Points	2		
	Level 3		75% Students secure more than 75% marks				Points	3		

	Course Outcome (COs)
CO-1	To understand the application of various libraries in LabVIEW & Palettes in LabVIEW.
CO-2	To use best programming practices in LabVIEW.
CO-3	To acquire measurements with NI DAQ devices.
CO-4	To apply various non-NI instruments & connecting devices with DAQ to analyze the behavior of the designed module.
CO-5	To realize the communication between parallel loops.

S.No.	Roll No.	Name of the Students	Understand the libraries (CO1)		Programming practices in LabVIEW (CO2)		Acquire measurements (CO3)		Analysis the behavior of the designed module (CO4)	Realize the communication among LabVIEW hardwares (CO5)		Total Marks	Course Completed
			20		20		20		20	20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	Grade	>75% (Y/N)		
1	1822231001	ABHAY	18	Y	20	Y	18	Y	18	20	Y	94	Y
2	1822231003	AKANKSHA MISHRA	18	Y	19	Y	18	Y	18	18	Y	91	Y
3	1822231005	ANIKET BANSAL	18	Y	19	Y	16	Y	16	16	Y	85	Y
4	1822231006	ANJALI	18	Y	19	Y	18	Y	18	18	Y	91	Y
5	1822231007	ANKIT GUPTA	18	Y	19	Y	18	Y	18	18	Y	91	Y

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6	1822231008	ANKITA PANDEY	16	Y	17	Y	16	Y	16	16	Y	81	Y
7	1822231009	ANSHIT MALIK	15	Y	14	N	14	N	14	14	N	71	N
8	1822231011	ANUPAMA RAJ	14	N	16	Y	16	Y	16	14	N	76	Y
9	1822231012	APOORVA OJHA	19	Y	17	Y	18	Y	17	18	Y	89	Y
10	1822231013	ASHISH KUMAR	12	N	12	N	12	N	12	12	N	60	N
11	1822231014	ASHISH KUMAR	16	Y	18	Y	16	Y	16	16	Y	82	Y
12	1822231015	ASHUTOSH KUMAR	12	N	12	N	14	N	14	14	N	66	N
13	1822231016	CHETAN YADAV	18	Y	15	Y	14	N	14	14	N	75	Y
14	1822231017	HARSH PUNDIR	18	Y	17	Y	18	Y	18	18	Y	89	Y
15	1822231018	HEMANT SHARMA	14	N	15	Y	16	Y	16	16	Y	77	Y
16	1822231019	JANVI TOMAR	20	Y	19	Y	18	Y	18	16	Y	91	Y
17	1822231020	KALPESH KUMAR	18	Y	17	Y	18	Y	18	18	Y	89	Y
18	1822231022	SHAHRUKH AMBER	14	N	15	Y	12	N	12	12	N	65	N
19	1822231023	MOHD ASHRAF	14	N	13	N	12	N	12	12	N	63	N
20	1822231024	MOHD SHAKAIB GHAZI	18	Y	19	Y	16	Y	16	16	Y	85	Y
21	1822231025	MUSADIQ SADEEQ	18	Y	17	Y	18	Y	18	18	Y	89	Y
22	1822231026	NAMAN GARG	18	Y	19	Y	18	Y	18	18	Y	91	Y
23	1822231027	NIHARIKA	16	Y	18	Y	18	Y	18	18	Y	88	Y
24	1822231028	NIKHIL SINGH	14	N	15	Y	14	N	14	12	N	69	N
25	1822231029	NIKITA PANDEY	16	Y	19	Y	18	Y	18	18	Y	89	Y
26	1822231030	NISHANT GUPTA	16	Y	18	Y	18	Y	18	18	Y	88	Y
Level Achievement			**19**		**22**		**19**		**19**	**18**		**20**	
CO Attainment			**0.73**		**0.85**		**0.73**		**0.73**	**0.69**		**0.77**	

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	Understand the libraries	Programming practices in LabVIEW	Acquire measurements	Analysis the behavior of the designed module	Realize the communication among LabVIEW hardwares	Average	
CO1	0.73					0.73	
CO2		0.85				0.85	
CO3			0.73			0.73	
CO4				0.85		0.73	
CO5					0.69	0.69	
Average Attainment						0.77	
Overall CO Attainment %						25.67	*0.26*

CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2	3	2	2	3		1		3	3	2		2	3
CO 2	2	2	3		2				2	2			1	3
CO 3	3	3	3	2	2		2		3		2	2	2	3
CO4	3	2	2	3	2								1	3
CO 5	3	2	2	2	3	3			2	2	1	2	2	3
Average	2.6	2.4	2.40	2.25	2.40	3.00	1.50		2.50	2.33	1.67	2	2	3

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	0.51	0.77	0.51	0.51	0.77		0.26		0.77	0.77	0.51		0.51	0.77
CO 2	0.51	0.51	0.77		0.51				0.51	0.51			0.26	0.77
CO 3	0.77	0.77	0.77	0.51	0.51		0.51		0.77		0.51	0.51	0.26	0.77
CO 4	0.77	0.51	0.51	0.77	0.51					0.51			0.51	0.77
CO 5	0.77	0.51	0.51	0.51	0.77	0.88			0.51	0.51	0.26	0.51	0.51	0.77
Achieved	0.67	0.62	0.62	0.58	0.62	0.88	0.38		0.64	0.58	0.43	0.51	0.41	0.77

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Department of Electronics & Communication Engineering
Centre of Excellence – National Instruments
Beginner Course to LabVIEW (PART-1) (III SEM)

Duration: 20 Hrs

CO1	To understand basic concepts of electronic circuit design using virtual instruments.
CO2	To understand the functions of various electronic components using automation.

Unit-1: **4 Hrs**

Basic Introduction to LabVIEW, Working of LabVIEW, Organization of the LabVIEW system (Windows), LabVIEW installation, Toolkit support, Data type.

Unit 2: **4 Hrs**

Numerical data representation, Boolean, String, String function, Array, NI my DAQ, Cluster, Loops For loop, while loop, Loop property.

Unit 3: **6 Hrs**

Loop and data type, Graph and chart, Case structure, Enum and case, Virtual Instrument, Controls & constants, Indicators, Introduction to Front panel.

Unit4: **6 Hrs**

Block Diagram of the Front panel, Terminals, nodes, wires, structures, Icon & connector pane, using & customizing VIs and sub-Vis, Menus, shortcut menus.

References:

Books:

1. LabVIEW: Graphical Programming, Fabiola De la Cueva, Richard Jennings.
2. LabVIEW for Everyone: Graphical Programming Made Easy and Fun, Jaffery Travis, Jim Kring, Prentice Hall.

NPTEL Link:
https://youtu.be/ZHNlKyYzrPE

YouTube:
https://youtu.be/mBSB9qCfl54

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(NAAC ACCREDITED)
UNIT OF DURGA CHARITABLE TRUST
46, KNOWLEDGE PARK III, GREATER NOIDA, UTTAR PRADESH-201308
PHONE: 0120-2331000 | FAX: 0120-2331037
EMAIL: ENGG.CN@ITS.EDU.IN | WEBSITE: WWW.ITSENGG.EDU.IN

Department of Electronics & Communication Engineering

Centre of Excellence – National Instruments

Beginner Course to LabVIEW (PART-2) (IV SEM)

Module-2 (for IV Semester)

Duration: 20 Hrs

CO3	To create the model for industrial applications.
CO4	To create sub-VIs of model for implementation.
CO5	To understand the DAQ device & implement customized hardware with LabVIEW.

Unit-1: **6 Hrs**

Revising the concepts of LabVIEW, Sequence Structure, Timing Vi, Modularity, Sub-VI, Error Techniques.

Unit 2: **4 Hrs**

DAQ hardware, Sequence Programming, State machine algorithm, Communication between parallel loops, Variables

Unit 3: **4 Hrs**

Property Nodes, Invoke Node, Control Reference, Queues, Event Program, Design pattern

Unit4: **6 Hrs**

Error handler, Types of design pattern, File I/O format, Binary file, TDMS and Excel, DAQ hardware

References:

Books:

1. LabVIEW: Graphical Programming, Fabiola De la Cueva, Richard Jennings.

2. LabVIEW for Everyone: Graphical Programming Made Easy and Fun, Jaffery Travis, Jim Kring, Prentice Hall.

NPTEL Link:

https://youtu.be/ZHNIKyYzrPE

YouTube:

https://youtu.be/mBSB9qCfl54

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NI : Evaluation Rubric (Process)

Department of Electronics & Communication Engineering

NI- COE

NI COE: Beginner Course to LabVIEW

	Scale				
Expected Criteria	**1 (0-20%)**	**2 (20-40%)**	**3 (40-60%)**	**4 (60-80%)**	**5 (80-100%)**
C1: Understand the design of electronic circuits	Not able to explain about the design of electronic circuits.	Somehow managed to explain the design of electronic circuits.	Good Explanation about design of electronic circuits.	Better Explanation about the design of electronic circuits.	Excellent Explanation about the design of electronic circuits.
C2: Understanding of Electronic components Functions	Does not able to explain the functions of electronic components.	Able to explain some functions of electronic components.	Able to explain some functions of electronic components but not properly.	Able to explain the functions of electronic components upto certain extent.	Able to explain the functions of electronic components upto the mark.
C3: Create the model in LabVIEW	Not able to create the model.	Somehow managed to create the model.	Able to create the model but not in a proper way.	Able to create the model upto certain extent.	Able to create the the model and was upto the mark.
C4: Creation the sub Vis of model	Not able to create the subVI of the model.	Somehow managed to create the sub VI of the model.	Able to create the sub VI of the model but not in a proper way.	Able to create the sub VI of the model upto certain extent.	Able to create the sub VI of the model and was upto the mark.
C5: Demonstration of DAQ device with LabVIEW	Demonstration of the model and its interfacing is unacceptable as it was not able to define the DAQ hardware.	Demonstration of the model and its interfacing is marginally acceptable as it was somewhat able to define the DAQ hardware but not appropriate.	Demonstration of the model and its interfacing is acceptable as it was able to define the DAQ hardware.	Demonstration of the model and its interfacing is acceptable as it was able to properly define the DAQ hardware.	Demonstration of the model and its interfacing is acceptable as it was able to excellently define the DAQ hardware with some different examples.

Course Outcomes	Description
CO1	To understand basic concepts of electronic circuit design using virtual instruments.
CO2	To understand the functions of various electronic components using automation.
CO3	To create the model for industrial applications.
CO4	To create sub-VIs of model for implementation.
CO5	To understand the DAQ device & implement customized hardware with LabVIEW.

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VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2021-22						
ATTENDANCE SHEET						
Batch	2020-24					
Session	2021-22					
Sub:	Beginner to LabVIEW Course					

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance % age	Training Completed Successfully
1	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Abhinav Kumar Kanth	44	27	61	N
2	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Abhishek Yadav	44	36	81	Y
3	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Aman Pratap Singh	44	33	76	Y
4	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Ambika	44	32	72	N
5	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Ayush Raj	44	33	75	Y
6	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Divya Verma	44	39	88	Y
7	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Harshit Mishra	44	33	75	Y
8	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Kanchan Gupta	44	28	64	N
9	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Kashish Solan	44	36	82	Y
10	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Kavita Yadav	44	28	63	N
11	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Komal Nagar	44	33	76	Y
12	ECE	3rd and 4th	Beginning to LabVIEW Course	44	Lokesh Bisht	44	25	56	N

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		VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2021-22				
			ATTENDANCE SHEET			
Batch	2020-24					
Session	2021-22					
Sub:	Beginning Course: Embedded Systems					

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance % age	Training Completed Successfully
1	ECE	3rd and 4th	Beginning: Embedded Systems	44	Prashant Kumar	44	28	64	N
2	ECE	3rd and 4th	Beginning: Embedded Systems	44	Rahul Raj	44	30	68	N
3	ECE	3rd and 4th	Beginning: Embedded Systems	44	Raju Kumar	44	33	76	Y
4	ECE	3rd and 4th	Beginning: Embedded Systems	44	Sanjeev Kumar	44	33	75	Y
5	ECE	3rd and 4th	Beginning: Embedded Systems	44	Suman Kumar	44	38	87	Y
6	ECE	3rd and 4th	Beginning: Embedded Systems	44	Umesh Kumar	44	28	64	N
7	ECE	3rd and 4th	Beginning: Embedded Systems	44	Vikram Kumar Jha	44	33	75	Y
8	ECE	3rd and 4th	Beginning: Embedded Systems	44	Navdeep Thakur	44	42	95	Y
9	ECE	3rd and 4th	Beginning: Embedded Systems	44	Parveen	44	13	30	N
10	ECE	3rd and 4th	Beginning: Embedded Systems	44	Prashant Kumar	44	40	90	Y

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I.T.S Engineering College, Greater Noida

Department of Electronics & Communication Engineering

Marks Assessment sheet

Batch	2020-24	
session	2021-22	
Sub:	Beginning to Labview Course	
Methodology		
		Benchmark

	75%								
Level 1	55% Students secure > 75% marks						Points	1
Level 2	65% Students secure > 75% marks						Points	2
Level 3	75% Students secure > 75% marks						Points	3

Course Outcome (COs)	
CO-1	To understand basic concepts of electronic circuit design using virtual instruments.
CO-2	To understand the functions of various electronic components using automation.
CO-3	To create the model for industrial applications.
CO-4	To create sub-VIs of model for implementation.
CO-5	To understand the DAQ device & implement customized hardware with LabVIEW.

S.No.	Roll No.	Name of the Students	Understand the design of electronic circuits (CO1)		Understanding of Electronic components Functions (CO2)		Create the model in LabVIEW (CO3)		Create the sub Vis of model (CO4)		Demonstration of DAQ device with LabVIEW (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	
1	2002220310001	ABHINAV KUMAR KANTH	13	N	15	Y	16	Y	16	Y	18	Y	78	Y
2	2002220310002	ABHISHEK YADAV	16	Y	13	N	18	Y	12	N	20	Y	79	Y
3	2002220310003	AMAN PRATAP SINGH	13	N	14	N	15	Y	14	N	18	Y	74	N
4	2002220310004	AMBIKA	16	Y	12	N	18	Y	18	Y	18	Y	82	Y
5	2002220310005	AYUSH RAJ	18	Y	16	Y	12	N	15	Y	13	N	74	N
6	2002220310006	DIVYA VERMA	17	Y	19	Y	13	N	20	Y	20	Y	89	Y
7	2002220310007	HARSHIT MISHRA	16	Y	15	Y	16	Y	18	Y	16	Y	81	Y

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8	2002220310008	KANCHAN GUPTA	18	Y	19	Y	18	Y	18	Y	20	Y	93	Y
9	2002220310009	KASHISH SOLAN	12	N	13	N	14	N	15	Y	16	Y	70	N
10	2002220310010	KAVITA YADAV	14	N	18	Y	16	Y	16	Y	16	Y	80	Y
11	2002220310011	KOMAL NAGAR	13	N	14	N	12	N	15	Y	16	Y	70	N
12	2002220310012	LOKESH BISHT	16	Y	18	Y	14	N	13	N	18	Y	79	Y
13	2002220310014	PRASHANT KUMAR	15	Y	13	N	16	Y	16	Y	16	Y	76	Y
Level Achievement			8		7		8		10		12		9	
CO Attainment			0.62		0.54		0.62		0.77		0.92		0.69	

	Understand the design of electronic circuits	Understanding of Electronic components Functions	Create the model in LabVIEW	Create the sub Vis of model	Demonstration of DAQ device with LabVIEW	Average	
CO1	0.62					0.62	
CO2		0.54				0.54	
CO3			0.62			0.62	
CO4				0.92		0.77	
CO5					1.00	1.00	
Average Attainment						0.69	
Overall CO Attainment %						23.00	*0.23*

CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8			PO9	PO10	PO11	PO12
CO 1	3	3	2	2				2			3	3		3
CO 2	3	3	3	3	3	2	2	2			3	3	3	3
CO 3	3	3	3	3	3		2	2			3	3		3
CO 4	3	3	3	3	3	3	3				3	3	2	3
CO5	3	3	2	3	2	1	3	2			2	3	2	1
Average	3	3	2.60	2.80	2.75	2.50	2.50	2.00			2.80	3.00	2.50	2.6

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8			PO9	PO10	PO11	PO12
CO 1	0.69	0.69	0.46	0.46				0.46			0.69	0.69		0.69
CO 2	0.69	0.69	0.69	0.69	0.69	0.46	0.46	0.46			0.69	0.69	0.69	0.69
CO 3	0.69	0.69	0.69	0.69	0.69		0.46	0.46			0.69	0.69		0.69
CO4	0.69	0.69	0.69	0.69	0.69	0.69	0.69				0.69	0.69	0.46	0.69
CO 5	0.69	0.69	0.52	0.69	0.51	0.23	0.69	0.46			0.46	0.69	0.46	0.23
Achieved	0.69	0.69	0.61	0.64	0.65	0.46	0.58	0.46			0.64	0.69	0.58	0.60

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Department of Electronics & Communication Engineering
Centre of Excellence – National Instruments
Advance Course to LabVIEW (PART-1) (V Sem)

Duration: 20 Hrs

CO1	To understand the application of various libraries in LabVIEW & Palettes in LabVIEW.
CO2	To use best programming practices in LabVIEW.

Unit-1: **4 Hrs**

Revising the concepts of hardware, LabVIEW Data types (color coding of data types)- Numeric, string, Boolean, Cluster, waveform, Understanding Data flow, wiring techniques.

Unit 2: **6 Hrs**

Exploring Numeric Sub Palette, Comparison Sub Palette, exploring for loops, timing a loop.

Unit 3: **6 Hrs**

Writing Data to a Text file, Writing Multi-channel Data to a text file, creating file and folder paths, Analyzing Text File Data, Introduction to Conditional Logic.

Unit4: **4 Hrs**

Plotting Data- Waveform Chart, Waveform Graph, X-Y Graph, Understanding Modularity.

References:

Books:

1. LabVIEW: Graphical Programming, Fabiola De la Cueva, Richard Jennings.
2. Hands-On Introduction to LabVIEW for scientists & engineers, John Essick, Oxford.

NPTEL Link:

https://youtu.be/LgyZJmcpbYQ

YouTube:

https://youtu.be/mBSB9qCfl54

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Department of Electronics & Communication Engineering
Centre of Excellence – National Instruments
Advance Course to LabVIEW (PART-2) (VI Sem)
Duration: 20 Hrs

CO3	To acquire measurements with NI DAQ devices.
CO4	To apply various non-NI instruments & connecting devices with DAQ to analyze the behavior of the designed module.
CO5	To realize the communication between parallel loops.

Unit-1: **4 Hrs**

Arrays, Common Array functions, and their usage, creating and accessing clusters, using clusters to plot data, creating and applying definitions.

Unit 2: **6 Hrs**

Understanding hardware and software resources, connecting and testing your hardware, data validation, acquiring measurements with a NI DAQ device.

Unit 3: **6 Hrs**

Using loops with hardware APIs, working with single-channel Acquisition Data, Working with N-channel Acquisition data, Overview of Hardware-Non-NI Instruments, Connecting Non-NI Instruments.

Unit4: **4 Hrs**

Communicating between parallel loops, using variables, race conditions, exploring sequential programming, exploring state programming, state machines.

References:

Books:

1. LabVIEW: Graphical Programming, Fabiola De la Cueva, Richard Jennings.
2. Hands-On Introduction to LabVIEW for scientists & engineers, John Essick, Oxford.

NPTEL Link:

https://youtu.be/LgyZJmcpbYQ

YouTube:

https://youtu.be/mBSB9qCfl54

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NI : Evaluation Rubric (Process)

Department of Electronics & Communication Engineering

NI- COE

Statement: Review by the Faculty-Incharge: Ability to work for the Lab VIEW Instruments, its challenges and applications in Industry.

NI COE: Advance Course to LabVIEW

	Scale				
Expected Criteria	**1 (0-20%)**	**2 (20-40%)**	**3 (40-60%)**	**4 (60-80%)**	**5 (80-100%)**
C1: Understand the libraries	Not able to explain the application of libraries in LabVIEW.	Somehow managed to explain application of libraries in LabVIEW.	Good explanation of libraries in LabVIEW.	Better explanation of libraries in LabVIEW.	Excellent Explanation of libraries in LabVIEW.
C2: Programming practices in LabVIEW.	Does not able to apply codes in the model.	Somehow managed to apply codes in the model	Good application of codes in the model	Better application of codes in the model	Excellent application of codes in the model
C3: Acquire Measurements	Not able to acquire the measurement from the electronic component.	Somehow able to acquire measurement from the electronic component.	Able to acquire measurement upto certain extent from the electronic component.	Able to acquire measurement from the electronic component but not upto the mark.	Able to acquire measurement from the electronic component correctly.
C4: Analysis the behavior of the designed module	Not able to analyze the behavior of the designed module.	Somehow able to analyze the behavior of the designed module.	Able to analyze the behavior of the designed module but there are some errors.	Able to analyze the behavior of the designed module but not upto the mark.	Able to analyze the behavior of the designed module upto the mark.
C5: Realize the communication among LabVIEW hardwares	Not able to realize the communication among LabVIEW hardwares.	Somehow able to realize the communication among LabVIEW hardwares.	Able to realize the communication among LabVIEW hardwares upto certain extent.	Able to analyze the communication among LabVIEW hardwares but not upto the mark.	Able to analyze the communication among LabVIEW hardwares.

Course Outcomes	Description
CO1	To understand the application of various libraries in LabVIEW & Palettes in LabVIEW.
CO2	To use best programming practices in LabVIEW.
CO3	To acquire measurements with NI DAQ devices.
CO4	To apply various non-NI instruments & connecting devices with DAQ to analyze the behavior of the designed module.
CO5	To realize the communication between parallel loops.

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VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2021-22

ATTENDANCE SHEET

Batch	2019-23
session	2021-22
Sub:	Advance Course to LabVIEW

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance %	Training Completed Successfully
1	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Ankit Singh	44	28	70	N
2	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Jitendra Rawat	44	28	69	N
3	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Riyaz Ahmad Bhat	44	32	80	Y
4	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Adeeb Khan	44	32	81	Y
5	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Aishwarya Sengar	44	35	87	N
6	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Govind Kumar Jha	44	34	86	Y
7	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Shashi Kant	44	34	85	Y
8	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Ajay Prasad	44	33	82	Y
9	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Anushree Bhui	44	30	75	Y
10	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Aimul Hasan	44	32	80	Y
11	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Madan Mohan Kumar	44	32	81	Y
12	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Deepak Sharma	44	33	83	Y

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13	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Dhruv Gupta	44	34	84	Y
14	ECE	5th & 6th Sem	Advance Course to LabVIEW	44	Kshama Shakti	44	30	76	Y

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Department of Electronics & Communication Engineering

Marks Assessment sheet

Batch	2019-23
session	2021-22
Sub:	Advance Course to LabVIEW

Methodology

Benchmark		75%			
	Level 1	55% to 65% Students secure > 75% marks	Points	1	
	Level 2	65% to 75% Students secure > 75% marks	Points	2	
	Level 3	>75% Students secure > 75% marks	Points	3	

Course Outcome (COs)	
CO-1	To understand the application of various libraries in LabVIEW & Palettes in LabVIEW.
CO-2	To use best programming practices in LabVIEW.
CO-3	To acquire measurements with NI DAQ devices.
CO-4	To apply various non-NI instruments & connecting devices with DAQ to analyze the behavior of the designed module.
CO-5	To realize the communication between parallel loops.

S.No.	Roll No.	Name of the Students	Understand the libraries (CO1)		Programming practices in LabVIEW (CO2)		Acquire Measurements (CO3)		Analysis the behavior of the designed modul (CO4)		Realize the communication among LabVIEW hardwares (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75 % (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Grade	>75 % (Y/N)		
1	1902220310001	AAMIR AZAZ	9	N	16	Y	10	N	19	Y	12	N	66	N
2	1902220310002	ADEEB KHAN	16	Y	16	Y	15	Y	15	Y	15	Y	77	Y
3	1902220310003	AINUL HASAN	18	Y	18	Y	20	Y	20	Y	20	Y	96	Y
4	1902220310004	AISHWARYA SENGAR	20	Y	18	Y	20	Y	20	Y	20	Y	98	Y
5	1902220310005	AJAY PRASAD	11	N	10	N	17	Y	17	Y	17	Y	72	N
6	1902220310006	ANUSHREE BHUI	10	N	16	Y	9	N	17	Y	17	Y	69	N
7	1902220310007	AVINASH SINGH	11	N	16	Y	17	Y	17	Y	12	N	73	N

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8	1902220310008	AVIRAL VARSHNEY	18	Y	18	Y	19	Y	19	Y	18	Y	92	Y
9	1902220310009	AYUSH PATEL	13	N	16	Y	15	Y	15	Y	12	N	71	N
10	1902220310010	BALRAJ SINGH	10	N	16	Y	17	Y	17	Y	10	N	70	N
11	1902220310011	DEEPAK MANDAL	18	Y	18	Y	18	Y	18	Y	19	Y	91	Y
12	1902220310012	DEEPAK SHARMA	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
13	1902220310013	DHRUV GUPTA	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
14	1902220310014	GAUTAM KUMAR	10	N	18	Y	18	Y	18	Y	10	N	74	N
15	1902220310015	GOVIND KUMAR JHA	10	N	18	Y	18	Y	18	Y	10	N	74	N
16	1902220310016	KSHAMA SHAKTI	18	Y	18	Y	19	Y	19	Y	17	Y	91	Y
17	1902220310017	KSHITIJ UPMANYU	18	Y	18	Y	19	Y	19	Y	17	Y	91	Y
Level Achievement			9		16		15		17		11		9	
% ATTAINMENT			0.53		0.94		0.88		1.00		0.65		0.53	

	Understand the libraries	Programming practices in LabVIEW	Acquire Measurements	Analysis the behavior of the designed module	Realize the communication among LabVIEW hardwares	Average	
CO1	0.78					0.78	
CO2		0.83				0.83	
CO3			0.78			0.78	
CO4				0.83		0.83	
CO5					0.72	0.72	
Internal Average Attainment						0.79	
Overall CO Attainment %						26.33	0.26

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CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2	3	2	2	3		1		3	3	2		2	2
CO 2	2	2	3		2				2	2			1	2
CO 3	3	3	3	2	2		2		3		2	2	2	3
CO 4	3	2	2	3	2								1	
CO 5	3	2	2	2	3	3			2	2	1	2	2	2
Average	2.6	2.4	2.40	2.25	2.40	3.00	1.50		2.50	2.33	1.67	2	2	2.25

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	0.53	0.79	0.53	0.53	0.79		0.26		0.79	0.79	0.53		0.53	0.53
CO 2	0.53	0.53	0.79		0.53				0.53	0.53			0.26	0.53
CO 3	0.79	0.79	0.79	0.53	0.53		0.53		0.79		0.53	0.53	0.53	0.79
CO 4	0.79	0.53	0.53	0.79	0.53	0.79							0.26	
Achieved	0.66	0.66	0.66	0.61	0.59	0.79	0.40		0.70	0.66	0.53	0.53	0.40	0.61

21-22

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(NAAC ACCREDITED)
UNIT OF DURGA CHARITABLE TRUST
46, KNOWLEDGE PARK III, GREATER NOIDA, UTTAR PRADESH-201308
PHONE: 0120-2331000 | FAX: 0120-2331037
EMAIL: ENGG.GN@ITS.EDU.IN | WEBSITE: WWW.ITSENGG.EDU.IN

Department of Electronics & Communication Engineering
Centre of Excellence – e-Yantra

Beginner Course: Embedded Systems (PART-1) III rd SEM
Duration: 20 Hrs

CO1	To understand basic components of electrical & electronic systems.
CO2	To understand the applications of different components in embedded systems.

Unit-1: **6 Hrs**

Basic Electrical: Practical usage of resistors, Capacitors and Inductors. Ohm's Law, Kirchoff's law, Network Theorems and their applications, Introduction to different types of sensors, switches, relays etc. and their practical implementations.

Unit-2: **4 Hrs**

Introduction to Circuit simulation: Introduction to different circuit simulators Multisim, Proteus, Practical usage of Diodes and diode circuits, BJT and BJT circuits, FET and FET circuits, OPAMP.

Unit-3: **4 Hrs**

Introduction to different types of memories, DAC, ADC, Introduction to embedded systems.

Unit-4: **6 Hrs**

Basics of Microcontroller and interfacing, Programming 8051 with Multisim simulator/Proteus and Keil Compiler.

References:

- Study Material Provided by e-Yantra.
- Programming Arduino: Getting Started with Sketches (Tab) 2nd Edition by Simon Monk, Mc Graw Hill.
- Exploring Arduino: Tools & Techniques for Engineering Wizardry 2nd Edition by Jeremy Blum, Wiley.
- Arduino Cookbook, 2nd Edition by Michael Margolis, O'Reilly.

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Department of Electronics & Communication Engineering
Centre of Excellence – E-Yantra

Beginner Course: Embedded Systems (PART-2)
Module-2 (for IV Semester)
Duration: 20 Hrs

CO3	To understand fundamentals of Arduino, C Programming and its buzzer control.
CO4	To do interfacing with different sensors.
CO5	To demonstrate Think Speak for IOT applications.

Unit-1: **6 Hrs**

Introduction to Arduino, Embedded C Programming, Buzzer control using Arduino.

Unit-2: **4 Hrs**

Interfacing Infrared sensor, LDR, Ultrasonic sensor etc. with Arduino, LCD Interfacing with Arduino.

Unit-3: **5 Hrs**

Input output interfacing, Pulse Width Modulation, Control of DC motor.

Unit4: **6 Hrs**

Keyboard interfacing with Arduino, esp8266 WIFI module for IOT Application, Interfacing esp8266 with Arduino and use of Think Speak for IOT applications.

References:

- Programming Arduino: Getting Started with Sketches (Tab) 2nd Edition by Simon Monk, Mc Graw Hill.
- Exploring Arduino: Tools and Techniques for Engineering Wizardry 2nd Edition by Jeremy Blum, Wiley.
- Arduino Cookbook, 2nd Edition by Michael Margolis, O'Reilly.

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Tripathi

The Education Group
Ghaziabad • Greater Noida
(Estd. : 1995)

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Department of Electronics & Communication Engineering

e-Yantra : Evaluation Rubric (Process)

Beginner Course: Embedded Systems

e-Yantra COE

	Scale				
	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding of Basic components of electrical & electronic system	Not able to explain the basic components of electrical & electronic system.	Somehow managed to explain basic components of electrical & electronic system.	Good explanation about the basic components of electrical & electronic componnents.	Better Explanation about the components of electrical & electronic system.	Excellent explanation about the components of electrical & electronic system.
C2: Understanding various concepts of embedded system	Not Able to explain the applications of different components in embedded system	Somehow managed to explain the applications of different components in embedded system	Good explanation about the applications of different components in embedded system	Better explanation about the applications of different components in embedded system	Excellent explanation about the applications of different components in embedded system.

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C3: Understanding of Arduino, C Programming and buzzer control	Not able to explain about arduino, C programming and its buzzer control	Somewhat able to explain about Arduino, C programming and its buzzer control	Good explanation about Arduino, C programming and its buzzer control	Better explanation about Arduino, C programming and its buzzer control	Best explanation about Arduino, C programming and its buzzer control
C4: Basic Interfacing with different sensors	Not able to apply the basic interfacing with any components	Somewhat able to apply the basic interfacing with some components	Able to apply the basic interfacing with some components but there were some problems	Able to apply the basic interfacing with all components upto some extenet	Able to apply the basic interfacing with all components and was upto the mark
C5: Demonstrate Think Speak for IOT applications.	Not able to demonstrate Think Speak for IOT applications	Somehow Able to demonstrate Think Speak for IOT applications	Able to demonstrate Think Speak for IOT applications but not properly	Able to demonstrate Think Speak for IOT applications upto some extent	Excellently demonstrate Think Speak for IOT applications

CO1	To understand basic components of electrical & electronic systems.
CO2	To understand the applications of different components in embedded system.
CO3	To understand fundamentals of Arduino, C Programming and buzzer control.
CO4	To do interfacing with different sensors.
CO5	To demonstrate Think Speak for IOT applications.

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I.T.S Engineering College, Greater Noida

Department of Electronics & Communication Engineering

Marks Assessment sheet

Batch	2020-24	
session	2021-22	
Sub:	**Beginning Course: Embedded Systems**	
Methodology		
		Benchmark

	75%									
Level 1	55% Students secure > 75% marks							Points	1
Level 2	65% Students secure > 75% marks							Points	2
Level 3	75% Students secure > 75% marks							Points	3

Course Outcome (COs)

CO-1	To understand basic components of electrical & electronic systems.
CO-2	To understand the applications of different components in embedded system.
CO-3	To understand fundamentals of Arduino, C Programming and buzzer control.
CO-4	To do interfacing with different sensors.
CO-5	To demonstrate Think Speak for IOT applications.

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S.No.	Roll No.	Name of the Students	Understanding of Basic components of electrical & electronic system (CO1)		Understanding of various components of embedded system (CO2)		Understanding of Arduino, C programming and buzzer control (CO3)		Basic interfacing with different sensors (CO4)		Demonstrate Think Speak for IOT applications (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Grade	>75% (Y/N)		
1	2002220310016	RAHUL RAJ	13	N	17	Y	16	Y	16	Y	16	Y	78	Y
2	2002220310017	RAJU KUMAR	13	N	13	N	12	N	13	N	13	N	64	N
3	2002220310019	SANJEEV KUMAR	14	N	15	Y	16	Y	14	N	12	N	71	N
4	2002220310020	SUMAN KUMAR	14	N	15	Y	15	Y	15	Y	14	N	73	N
5	2002220310021	UMESH KUMAR	16	Y	17	Y	16	Y	16	Y	16	Y	81	Y
6	2002220310022	VIKRAM KUMAR JHA	18	Y	19	Y	20	Y	18	Y	18	Y	93	Y
7	2102220319001	Navdeep Thakur	16	Y	15	Y	16	Y	16	Y	16	Y	79	Y
8	2102220319002	PARVEEN	18	Y	18	Y	18	Y	18	Y	18	Y	90	Y
9	2102220319003	PRASHANT KUMAR	18	Y	17	Y	18	Y	18	Y	18	Y	89	Y
Level Achievement			5		8		8		7		6		6	
CO Attainment			0.56		0.89		0.89		0.78		0.67		0.67	

Shukpathi

	Understanding of Basic components of electrical & electronic system	Understanding of various components of embedded system	Understanding of Arduino, C programming and buzzer control	Basic interfacing with different sensor	Demonstrate Think Speak for IOT applications	Average	
CO1	0.56					0.56	
CO2		0.89				0.89	
CO3			0.89			0.89	
CO4				0.78		0.78	
CO5					0.67	0.67	
Average Attainment						0.78	
Overall CO Attainment %						26.00	0.26

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CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	3								1	1		1
CO 2	1	2		2	3	1	2		2			
CO 3	2	1	1		2				1	1		
CO 4	2	2	2	2	2				2	2	2	
CO5	2	2	3	3	3				2			2
Average	2	1.75	1.50	2.33	2.50	1.00	2.00		1.60	1.33	2.00	1.5

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly												
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO 1	0.78								0.26	0.26		0.26
CO 2	0.26	0.52		0.52	0.78	0.26	0.52		0.52			
CO 3	0.52	0.26	0.26		0.52				0.26	0.26		
CO 4	0.52	0.52	0.52	0.52	0.52				0.52	0.52	0.52	
CO5	0.52	0.52	0.78	0.78	0.78				0.52			0.52
Achieve	0.52	0.43	0.39	0.52	0.61	0.26	0.52		0.39	0.35	0.52	0.26

Pushpathi

Department of Electronics & Communication Engineering

Centre of Excellence – E-Yantra

Advance Course: Embedded Systems (PART-1)
Module-3 (for V Semester)
Duration: 20 Hrs

CO1	To understand the Firebird-V ATmega and its interfacing with different embedded systems.
CO2	To apply and analyze different sensors with Firebird ATmega 2560

Unit-1 **5 Hrs**

Introduction of Firebird V and ATmega 2560, Embedded C Programming, Input output interfacing: Buzzer control using ATmega 2560.

Unit-2 **5 Hrs**

Input Output Interfacing: Control of DC motors (Motion control on Firebird V).

Unit-3 **5 Hrs**

Input output interfacing: LCD Interfacing on Firebird V, Using ADC on Firebird V.

Unit-4 **5 Hrs**

Sensors switching on Firebird V, White/black line follower using Firebird V, Obstacle detector using Firebird V.

References:

- Study Material Provided by e-Yantra.
- Programming Arduino: Getting Started with Sketches (Tab) 2nd Edition by Simon Monk, Mc Graw Hill.
- Exploring Arduino: Tools & Techniques for Engineering Wizardry 2nd Edition by Jeremy Blum, Wiley.
- Arduino Cookbook, 2nd Edition by Michael Margolis, O'Reilly

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Centre of Excellence – E-Yantra

Advance Course: Embedded Systems (PART-2)
Module-4 (for VI Semester)
Duration: 20 Hrs

CO3	To understand the controlling of servo motor with ATmega 2560 and its different interrupts.
CO4	To understand basics of Python Programming and data structures.
CO5	To apply the python concepts in Arduino and Zigbee.

Unit-1: **6 Hrs**

Controlling servo motor using ATmega 2560, Timer Overflow Interrupt Using At Mega 2560, Position Control Interrupt using ATmega 2560.

Unit-2: **5 Hrs**

Serial Communication using ATmega 2560, Use of Zigbee for Wireless communication.

Unit-3: **5 Hrs**

Introduction to Python Programming, Different data structures Inputs and outputs, File Handling.

Unit-4: **4 Hrs**

Conditional Execution, Loops in Python, Programming Arduino using Python.

References:

- Study material Provided by e-Yantra.
- Automate the boring stuff with Python by AL Sweigart.
- Python Crash Course, 2nd edition: A Hands-On, Project-Based Introduction to Programming by Eric Matthes.
- Arduino Cookbook, 2nd Edition by Michael Margolis, O'Reilly.

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e-Yantra : Evaluation Rubric (Process)
Advance Course: Embedded Systems
e-Yantra COE

	Scale				
	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding of Firebird-V ATmega 2560 and its input-output interfacing	Not Able to illustrate the firebird and its interfacing.	Somehow managed to illustrate the firebird and its interfacing.	Good illustration of the firebird and its interfacing.	Better illustration of the firebird and its interfacing.	Excellent illustration of the firebird and its interfacing.
C2: Designing a system using Firebird ATmega 2560	Not able to design a system using Firebird ATmega 2560.	Somehow managed to design a system using Firebird ATmega 2560.	Able to design a system using Firebird ATmega 2560 upto certain extent.	Able to design a system using Firebird ATmega 2560 but not upto the mark.	Able to design a system using Firebird using Firebird ATmega 2560 upto the mark.
C3: Understand the controlling of servo motor with ATmega 2560	Not able to explain the servo motor and its controlling with ATmega 2560.	Somehow managed to explain the servo motor and its controlling with ATmega2560.	Was able to explain the servo motor and its controlling with ATmega 2560 upto certain extent.	Was able to explain the servo motor and its interfacing but not upto the mark.	Was able to explain the servo motor and its interfacing and was upto the mark.
C4: Understand the basics of Python Programming and its data structures.	Not able to explain the basics of Python programmingand its data structures.	Somehow managed to explain the basics of Python programming and its data structures.	Was able to explain the basics of python programming and its data structures but not upto the mark.	Was able to explain the basics of python programming and its data structures upto certain extent.	Excellent explain the basics of python programming and its data structures.
C5: Application of the python concepts in Arduino and Zigbee.	Not able to Demonstrate the python concepts in Arduino and Zigbee.	Somehow managed to demonstrate the python concepts in Arduino and Zigbee.	Was able to demonstrate the python concepts in Arduino and Zigbee but not upto the mark.	Was able to demonstrate the python concepts in Arduino and Zigbee upto certain extent.	Excellent demonstration the python concepts in Arduino and Zigbee upto the mark.

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CO1	To understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems.
CO2	To apply and analyze different sensors with Firebird ATmega 2560
CO3	To understand the controlling of servo motor with ATmega 2560 and its different interrupts.
CO4	To understand basics of Python Programming and data structures.
CO5	To apply the python concepts in Arduino and Zigbee.

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VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2021-22

ATTENDANCE SHEET

Batch	2019-23
session	2021-22
Sub:	Advance Course : Embedded Systems

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance % age	Training Completed Successfully
1	ECE	5th & 6th	Advance Course : Embedded Systems	44	MADAN MOHAN KUMAR	44	31	70	N
2	ECE	5th & 6th	Advance Course : Embedded Systems	44	MD ADIL HUSSAIN	44	27	77	Y
3	ECE	5th & 6th	Advance Course : Embedded Systems	44	MD ARKAM	44	28	63	N
4	ECE	5th & 6th	Advance Course : Embedded Systems	44	MOHD MUDASSIR	44	31	70	N
5	ECE	5th & 6th	Advance Course : Embedded Systems	44	MUHAMMAD SAKIB	44	37	83	Y
6	ECE	5th & 6th	Advance Course : Embedded Systems	44	NAVEEN KUMAR GUPTA	44	35	78	Y
7	ECE	5th & 6th	Advance Course : Embedded Systems	44	PIYUSH BHARDWAJ	44	26	58	N
8	ECE	5th & 6th	Advance Course : Embedded Systems	44	PLAKSHI TOMAR	44	41	92	Y
9	ECE	5th & 6th	Advance Course : Embedded Systems	44	PRAGATI RAI	44	34	77	Y
10	ECE	5th & 6th	Advance Course : Embedded Systems	44	PRATIK SINHA	44	37	83	Y
11	ECE	5th & 6th	Advance Course : Embedded Systems	44	PRIYESH RAI	44	26	58	N
12	ECE	5th & 6th	Advance Course : Embedded Systems	44	RAVI KUMAR SHAH	44	37	83	Y
13	ECE	5th & 6th	Advance Course : Embedded Systems	44	ROSHAN KUMAR	44	33	74	N
14	ECE	5th & 6th	Advance Course : Embedded Systems	44	SACHIN	44	41	91	Y
15	ECE	5th & 6th	Advance Course : Embedded Systems	44	SACHIN KUMAR SINGH	44	40	89	Y
16	ECE	5th & 6th	Advance Course : Embedded Systems	44	SAUMYA	44	41	91	Y
17	ECE	5th & 6th	Advance Course : Embedded Systems	44	SAURAV BHARTI	44	22	49	N
18	ECE	5th & 6th	Advance Course : Embedded Systems	44	SHAGUN BENIWAL	44	32	71	N
19	ECE	5th & 6th	Advance Course : Embedded Systems	44	SHASHI KANT	44	37	83	Y

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20	ECE	5th & 6th	Advance Course : Embedded Systems	44	SHASHWAT PANDEY	44	41	91	Y
21	ECE	5th & 6th	Advance Course : Embedded Systems	44	SHIVAM RAJPOOT	44	22	49	N
22	ECE	5th & 6th	Advance Course : Embedded Systems	44	SIDDHI SINGH	44	37	83	Y
23	ECE	5th & 6th	Advance Course : Embedded Systems	44	SONAL SOURAV	44	38	86	Y
24	ECE	5th & 6th	Advance Course : Embedded Systems	44	SOURAV HUI	44	22	49	N
25	ECE	5th & 6th	Advance Course : Embedded Systems	44	SUNIL KUMAR PATEL	44	38	86	Y
26	ECE	5th & 6th	Advance Course : Embedded Systems	44	SUYASH SHUKLA	44	37	83	Y
27	ECE	5th & 6th	Advance Course : Embedded Systems	44	UTKARSH SRIVASTAVA	44	37	83	Y
28	ECE	5th & 6th	Advance Course : Embedded Systems	44	VIVEK KUMAR	44	22	49	N
29	ECE	5th & 6th	Advance Course : Embedded Systems	44	ANKIT SINGH	44	22	49	N
30	ECE	5th & 6th	Advance Course : Embedded Systems	44	JITENDRA RAWAT	44	22	49	N
31	ECE	5th & 6th	Advance Course : Embedded Systems	44	RIYAZ AHMAD BHAT	44	37	83	Y

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			I.T.S Engineering College, Greater Noida									
			Department of Electronics & Communication Engineering									
			Marks Assessment sheet									
Batch	2019-23											
Session	2021-22											
Sub:	Advance Course : Embedded Systems											
Methodology												
		Benchmark		75%								
			Level 1	55% to 65% Students secure > 75% marks							Points	1
			Level 2	65% to 75% Students secure > 75% marks							Points	2
			Level 3	>75% Students secure > 75% marks							Points	3

Course Outcome (COs)	
CO-1	To understand the Firebird V- AT Mega 2560 and its interfacing with different embedded systems.
CO-2	To apply and analyze different sensors with Firebird AT Mega 2560.
CO-3	To understand the controlling of servo motor with At Mega 2560 and its different interrupts.
CO-4	To understand basics of Python Programming and data structures.
CO-5	To apply the python concepts in Arduino and Zigbee

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S.No.	Roll No.	Name of the Students	Understanding of Firebird-V AT Mega 2560 and its input-output interfacing (CO1)		Designing a system using Firebird AT Mega 2560 (CO2)		Understand the controlling of servo motor with AT Mega 2560 (CO3)		Understand the basics of Python Programming and its data structures (CO4)		Application of the python concepts in Arduino and Zigbee (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75 % (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Grade	>75% (Y/N)	Grade	>75% (Y/N)
1	1902220310018	MADAN MOHAN KUMAR	12	N	16	Y	19	Y	13	N	10	N	70	N
2	1902220310019	MD ADIL HUSSAIN	16	Y	16	Y	15	Y	15	Y	15	Y	77	Y
3	1902220310021	MD ARKAM	10	N	12	N	20	Y	10	N	11	N	63	N
4	1902220310020	MOHD MUDASSIR	10	N	18	Y	20	Y	11	N	11	N	70	N
5	1902220310022	MUHAMMAD SAKIB	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
6	1902220310023	NAVEEN KUMAR GUPTA	11	N	16	Y	17	Y	17	Y	17	Y	78	Y
7	1902220310025	PIYUSH BHARDWAJ	10	N	16	Y	11	N	11	N	10	N	58	N
8	1902220310026	PLAKSHI TOMAR	18	Y	18	Y	19	Y	19	Y	18	Y	92	Y

9	1902220310027	PRAGATI RAI	16	Y	16	Y	15	Y	15	Y	15	Y	77	Y
10	1902220310028	PRATIK SINHA	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
11	1902220310029	PRIYESH RAI	10	N	9	N	10	N	18	Y	11	N	58	N
12	1902220310030	RAVI KUMAR SHAH	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
13	1902220310031	ROSHAN KUMAR	12	N	16	Y	15	Y	17	Y	14	N	74	N
14	1902220310032	SACHIN	18	Y	18	Y	18	Y	18	Y	19	Y	91	Y
15	1902220310033	SACHIN KUMAR SINGH	18	Y	18	Y	18	Y	18	Y	17	Y	89	Y
16	1902220310034	SAUMYA	18	Y	18	Y	19	Y	19	Y	17	Y	91	Y
17	1902220310035	SAURAV BHARTI	9	N	10	Y	10	N	10	N	10	N	49	N
18	1902220310036	SHAGUN BENIWAL	11	N	18	Y	19	Y	10	N	13	N	71	N
19	1902220310037	SHASHI KANT	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
20	1902220310038	SHASHWAT PANDEY	19	Y	16	Y	17	Y	20	Y	19	Y	91	Y
21	1902220310039	SHIVAM RAJPOOT	9	N	10	Y	10	N	10	N	10	N	49	N
22	1902220310040	SIDDHI SINGH	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
23	1902220310041	SONAL SOURAV	17	Y	18	Y	17	Y	17	Y	17	Y	86	Y
24	1902220310042	SOURAV HUI	9	N	10	Y	10	N	10	N	10	N	49	N
25	1902220310044	SUNIL KUMAR PATEL	17	Y	18	Y	17	Y	17	Y	17	Y	86	Y
26	1902220310045	SUYASH SHUKLA	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
27	1902220310046	UTKARSH SRIVASTAVA	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
28	1902220310047	VIVEK KUMAR	9	N	10	Y	10	N	10	N	10	N	49	N
29	2002220319001	ANKIT SINGH	9	N	10	Y	10	N	10	N	10	N	49	N
30	2002220319002	JITENDRA RAWAT	9	N	10	Y	10	N	10	N	10	N	49	N
31	2002220319003	RIYAZ AHMAD BHAT	16	Y	16	Y	17	Y	17	Y	17	Y	83	Y
Level Achievement			17		29		23		20		18		18	
% ATTAINMENT			0.55		0.94		0.74		0.65		0.58		0.58	

	Understanding of Firebird-V AT Mega 2560 and its input-output interfacing	Designing a system using Firebird AT Mega 2560	Understand the controlling of servo motor with AT Mega 2560	Understand the basics of Python Programming and its data structures	Application of the python concepts in Arduino and Zigbee .	Average	
CO1	0.69					0.69	
CO2		0.77				0.77	
CO3			0.77			0.77	
CO4				0.69		0.69	
CO5					0.62	0.62	
Internal Average Attainment						0.71	
Overall CO Attainment %						23.67	0.24

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CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2		3	2	3				2		1	1	3	2
CO 2	3	2	2	3	2				3				3	1
CO 3	2	1	2	1	2				2		1		3	2
CO 4	1	2	2	2	1				2				2	2
CO 5	2	2	1	1	2				2				2	3
Average	2	1.75	2.00	1.80	2.00				2.20		1.00	1	2	2

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	0.47		0.71	0.47	0.71				0.47		0.24	0.24	0.71	0.47
CO 2	0.71	0.47	0.47	0.71	0.47				0.71				0.71	0.24
CO 3	0.47	0.24	0.47	0.24	0.47				0.47		0.24		0.71	0.47
CO 4	0.24	0.47	0.47	0.47	0.24				0.47				0.47	0.47
CO 5	0.47	0.47	0.24	0.24	0.47				0.47				0.47	0.71
Achieved	0.47	0.39	0.53	0.47	0.47				0.53		0.24	0.24	0.65	0.41

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2022-23

I.T.S ENGINEERING COLLEGE
(NBA & NAAC Accredited)
46, Knowledge Park-III, Greater Noida, Distt. Gautam Budh Nagar (U.P.)
Ph: (0120) 2331000/1, Website: its.edu.in

Department of Electronics & Communication Engineering

Centre of Excellence – IOT & Robotics Concept Lab

(Module-I)

BTech-IInd Year

Duration: 40 Hrs

CO1	To understand the concept of IoT and Arduino Programming.
CO2	Interfacing of various sensors using Arduino Programming.
CO3	Explain the interfacing of data, I/O devices with Arduino.
CO4	To understand the Firebird and its interfacing with different embedded systems.
CO5	Demonstrate the application of IoT & Robotics in Hardware Prototype.

Unit-1: **8 Hrs**

Familiarization with concept of IoT, Perform necessary Arduino installation, Arduino Basics, Concept of Embedded C Programming, Arduino Board Layout and Architecture, Arduino Shields and Libraries, Arduino Web Editor reading from sensors and writing to sensors.

Unit-2: **8 Hrs**

Fundamental concepts of various Sensors & Interfacing with Arduino: Infrared Sensor, LM35 Temperature Sensor, LDR, Ultrasonic Sensor, IR Sensor, DHT11 Temperature Humidity Sensor, Flame Sensor, Smoke Sensor, Soil moisture Sensor, Buzzer control, LCD display , OLED display.

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Unit-3: **8 hrs**

Keyboard interfacing with Arduino, esp8266 wifi module for IOT Application, Interfacing, esp8266 with Arduino and use of ThingSpeak for IOT applications, Interfacing of NodeMCU with DC motor, servo motor.

Unit4: **8 hrs**

Introduction of Firebird V and ATmega 2560, Embedded C Programming, Input output interfacing: Buzzer control using ATmega 2560, Output Interfacing: Control of DC motors, Motion control on Firebird V Robot.

Unit 5: **8 Hrs**

Applications of IoT and Robotics: Home Automation system, Smart Health Monitoring system, Smart Traffic light control system, smart dust system, Obstacle detector robot, Robot using Bluetooth module.

References:

- Internet of Things: A Practionar Approach by Dr. Rajeev Chopra, Katson Publication.
- Internet of Things, by Jeeva Jose, Khanna Publishing.
- Robotics & Industrial Automation, by R.K. Rajput, S.Chand Publication.
- https://docs.arduino.cc/learn/starting-guide/getting-started-arduino.
- https://mechatronicsblog.com/nodemcu-programming-first-steps/.

Pragati Tripathi
Coordinator, IOT & Robotics Lab COE
Assistant Professor, ECE Dept.

Director
ITS Engineering College
Greater Noida

Evaluation Rubric (Process)

Department of Electronics & Communication Engineering

IOT & Robotics Concept Lab

Scale

	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding the basic concept of IoT and arduino programming	Not Able to understand the basic concept of IoT and arduino programming	Somehow managed to understand the basic concept of IoT and arduino programming	Good understanding of the basic concept of IoT and arduino programming	Better understanding of the basic concept of IoT and arduino programming	Excellent Understanding of the basic concept of IoT and arduino programming
C2: Demonstration of interfacing of various sensors using arduino programming	Not able to demonstrate the interfacing of various sensors using arduino programming	Somehow managed to demonstrate the interfacing of various sensors using arduino programming	Able to demonstrate the interfacing of various sensors using arduino programming	Good demonstration of the interfacing of various sensors using arduino programming	Excellent demonstration of the interfacing of various sensors using arduino programming
C3: To apply and analyze data of different sensors with arduino	Not able to apply and analyze data of different sensors with arduino	Somehow managed to apply and analyze data of different sensors with arduino	Was able to apply and analyze data of different sensors with arduino	Properly apply and analyze data of different sensors with arduino	Excellently apply and analyze data of different sensors with arduino
C4: To understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems.	Not able to understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems.	Somehow understand the Firebird V ATmega 2560 and its interfacing with different embedded systems.	Was able to understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems.	Good understanding of the Firebird V- ATmega 2560 and its interfacing with different embedded systems.	Excellent understanding of the Firebird V ATmega 2560 and its interfacing with different embedded systems.
C5: Demonstration of IoT & Robotics in hardware prototype.	Not able to demonstrate the IoT & Robotics in hardware project	Somehow managed to demonstrate the IoT & Robotics in hardware project	Was able to demonstrate the IoT & Robotics in hardware project	Properly demonstration of IoT & Robotics in hardware project	Excellent demonstration of IoT & Robotics in hardware project

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CO1	To understand the concept of IoT and arduino programming.
CO2	Interfacing of various sensors using Arduino programming.
CO3	Explain the interfacing of data, I/O devices with Arduino.
CO4	To understand the Firebird and its interfacing with different embedded systems.
CO5	Demonstrate the application of IoT & Robotics in hardware prototype.

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		VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2022-23							
			ATTENDANCE SHEET						
Batch	2021-25								
session	2022-23								
Sub:	IOT & Robotics Concept Lab								

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance % age	Training Completed Successfully
1	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Aadarsh	40	39	98	Y
2	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Abhay Sharma	40	37	92	Y
3	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Aditya Rana	40	34	84	Y
4	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Aditya Shankar	40	38	96	Y
5	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Akmal Hussain	40	30	74	N
6	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Alok Kumar Singh	40	33	82	Y
7	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Ashwin Yadav	40	38	94	Y
8	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Avinash A B Roy	40	38	96	Y

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9	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Bhumika Pal	40	34	84	Y
10	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Devraj Singh	40	39	98	Y
11	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Gautam Negi	40	34	86	Y
12	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Harshit Raj	40	36	90	Y
13	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Md. Gulab Nabi	40	29	72	N
14	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Md Tausif Raja	40	27	68	N
15	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Rakesh Kumar	40	36	90	Y
16	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Riya Chaudhary	40	34	84	Y
17	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sahwag Raj	40	28	71	N
18	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sahzaad Bhatti	40	36	90	Y
19	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Shushant	40	37	92	Y
20	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Siddharth Kumar	40	37	92	Y
21	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sneha	40	33	82	Y
22	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sonu Kumar	40	32	80	Y
23	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Urvesh Saifi	40	39	98	Y
24	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Abhijeet	40	29	72	N
25	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Rahul	40	38	95	Y

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I.T.S Engineering College, Greater Noida

Department of Electronics & Communication Engineering

Marks Assessment sheet

Batch	2020-24											
session	2022-23											
Sub:	IOT & Robotics Lab											
Methodology												
		Benchmark		75%								
			Level 1	55% to 65% Students secure > 75% marks							Points	1
			Level 2	65% to 75% Students secure > 75% marks							Points	2
			Level 3	>75% Students secure > 75% marks							Points	3

Course Outcome (COs)	
CO-1	To understand basics of Python Programming and data structures.
CO-2	To demonstrate the working of ATmega 2560 Microcontrolier.
CO-3	To understand architecture of Raspberry Pi and its programming in python.
CO-4	Analyze basic protocols in IoT Network.
CO-5	To understand the study of STM32G474 Nucleo-64 board and its ODE Environment.

S.No.	Roll No.	Name of the Students	Understanding the basics of python programming and its data structures (CO1)		Demonstration of the working of ATmega 2560 Microcontroller (CO2)		Understanding the programming with Raspberry Pi Board (CO3)		Analyzing IOT communication protocols (CO4)		Understand the study of STM32G474 Nucleo-64 board (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)
1	2002220310001	ABHINAV KUMAR KANTH	13	N	14	N	14	N	14	N	14	N	69	N
2	2002220310002	ABHISHEK YADAV	19	Y	19	Y	16	Y	18	Y	19	Y	91	Y
3	2002220310003	AMAN PRATAP SINGH	19	Y	19	Y	16	Y	18	Y	18	Y	90	Y
4	2002220310004	AMBIKA	20	Y	20	Y	19	Y	19	Y	20	Y	98	Y
5	2002220310005	AYUSH RAJ	15	Y	15	Y	15	Y	15	Y	14	N	74	N
6	2002220310006	DIVYA VERMA	20	Y	20	Y	19	Y	19	Y	20	Y	98	Y

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Abhipathi

7	2002220310007	HARSHIT MISHRA	14	N	14	N	14	N	14	N	14	N	70	N
8	2002220310008	KANCHAN GUPTA	19	Y	19	Y	19	Y	17	Y	16	Y	90	Y
9	2002220310009	KASHISH SOLAN	19	Y	17	Y	16	Y	17	Y	15	Y	84	Y
10	2002220310010	KAVITA YADAV	19	Y	17	Y	16	Y	17	Y	17	Y	86	Y
11	2002220310011	KOMAL NAGAR	19	Y	17	Y	16	Y	17	Y	17	Y	86	Y
12	2002220310012	LOKESH BISHT	20	Y	17	Y	18	Y	18	Y	19	Y	92	Y
13	2002220310014	PRASHANT KUMAR	19	Y	18	Y	18	Y	19	Y	18	Y	92	Y
14	2002220310016	RAHUL RAJ	16	Y	16	Y	14	N	18	Y	18	Y	82	Y
15	2002220310017	RAJU KUMAR	17	Y	18	Y	18	Y	18	Y	17	Y	88	Y
16	2002220310020	SUMAN KUMAR	16	Y	16	Y	14	N	18	Y	18	Y	82	Y
17	2002220310021	UMESH KUMAR	18	Y	17	Y	17	Y	16	Y	18	Y	86	Y
18	2002220310022	VIKRAM KUMAR JHA	16	Y	18	Y	17	Y	17	Y	18	Y	86	Y
19	2102220319002	Parveen	20	Y	18	Y	18	Y	19	Y	19	Y	94	Y
20	2102220319003	Prashsant	17	Y	18	Y	18	Y	18	Y	17	Y	88	Y
21	1902220310047	Vivek	14	N	14	N	15	N	14	N	15	Y	72	N
22	2102220319001	NAVDEEP THAKUR	15	Y	15	Y	14	N	14	N	16	Y	74	N
23	1902220310011 (EX)	DEEPAK MANDAL	11	N	14	N	12	N	12	N	13	N	62	N
Level Achievement			19		19		16		18		19		17	
% ATTAINMENT			0.83		0.83		0.70		0.78		0.83		0.74	

	Understanding the basics of python programming and its data structures	Demonstration of the working of ATmega 2560 Microcontroller	Understanding the programming with Raspberry Pi Board	Analyzing IOT communication protocols	Understand the study of STM32G474 Nucleo-64 board	Average	
CO1	0.83					0.83	
CO2		0.83				0.83	
CO3			0.70			0.70	
CO4				0.78		0.69	
CO5					0.83	0.62	
Internal Average Attainment						0.74	
Overall CO Attainment %						24.67	*0.25*

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CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2		3	2	3				2		1	1	3	2
CO 2	3	2	2	3	2				3				3	1
CO 3	2	1	2	1	2				2		1		3	2
CO 4	1	2	2	2	1				2				2	2
CO 5	2	2	1	1	2				2				2	3
Average	2	1.75	2.00	1.80	2.00				2.20		1.00	1	2.6	2

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	0.49		0.74	0.49	0.74				0.49		0.25	0.25	0.74	0.49
CO 2	0.74	0.49	0.49	0.74	0.49				0.74				0.74	0.25
CO 3	0.49	0.25	0.49	0.25	0.49				0.49		0.25		0.74	0.49
CO 4	0.25	0.49	0.49	0.49	0.25				0.49				0.49	0.49
CO 5	0.49	0.49	0.25	0.25	0.49				0.49				0.49	0.74
Achieved	0.49	0.43	0.49	0.44	0.49				0.54		0.25	0.25	0.64	0.49

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(NBA & NAAC Accredited)
46, Knowledge Park-III, Greater Noida, Distt. Gautam Budh Nagar (U.P.)
Ph: (0120) 2331000/1, Website: its.edu.in

Department of Electronics & Communication Engineering

Centre of Excellence – IOT & Robotics Lab

(Module-II)

BTech-IIIrd Year

Duration: 40 Hrs

CO1	To understand basics of Python Programming and data structures.
CO2	To demonstrate the working of ATmega 2560 Microcontroller.
CO3	To understand architecture of Raspberry Pi and its programming in python.
CO4	Analyze basic protocols in IoT Network.
CO5	To understand the study of STM32G474 Nucleo-64 board and its ODE Environment.

Unit-1: **8 hrs**

Introduction to Python Programming, Conditional Execution, Loops in Python, Input-Output Statements in Python, Operators, Data Types, Decision Making in python, Control Statement in Python, Functions, Modules, Exception Handling, File Handling, Reading Images, Networking in Python.

Unit-2: **8 hrs**

Controlling Servo Motor using ATmega 2560, Timer Overflow Interrupt using ATmega 2560, Position Control Interrupt using ATmega 2560 & Serial Communication using ATmega 2560.

Unit-3: **8 hrs**

Introduction to Raspberry Pi, Architecture, Pin Configuration, Python Programming: Blinking LED, DC & servo motor, Temperature Dependent Auto Cooling System, Remote Data Logging, Data Plotting.

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Unit-4: **8 hrs**

Study of various IOT Protocols: Bluetooth and BLE protocol, Wi-Fi, AMQP protocol, Cellular Protocol, CoAP protocol, DDS, LoRa and LoRaWAN.

Unit-5: **8 hrs**

Study and Analysis of STM 32G474 Nucleoboard: Study of Arm Cortex-M4 processor, Introduction to Flash Memory and its organization, Features & Programming, USART: Block diagram, Features, Modes, Data formats, Study and Analysis of Diode Simulator and AC Switch Simulator, STM 32 ODE.

References:

- Internet of Things: A Practionar Approach by Dr. Rajeev Chopra, Katson Publication.
- Internet of Things, by Jeeva Jose, Khanna Publishing.
- Robotics & Industrial Automation, by R.K. Rajput, S.Chand Publication.
- https://docs.arduino.cc/learn/starting-guide/getting-started-arduino.
- https://mechatronicsblog.com/nodemcu-programming-first-steps/.
- https://www.raspberrypi.org/
- https://www.st.com/content/st_com/en/support/learning/stm32-education/stm32-online-training/stm32g4-online-training.html
- https://www.st.com/en/microcontrollers-microprocessors/stm32g4-series.html

Pragati Tripathi
Coordinator, IOT & Robotics Lab COE
Assistant Professor, ECE Dept.

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Evaluation Rubric (Process) 2022-23

Department of Electronics & Communication Engineering

IOT & Robotics Lab COE

Scale

	1 (0-20%)	2 (20-40%)	3 (40-60%)	4 (60-80%)	5 (80-100%)
C1: Understanding the basics of python programming and its data structures	Not Able to understand basics of python programming and its data structure	Somehow managed to understand basics of python programming and its data structure	Good understanding of python programming and its data structure	Better understanding of python programming and its data structure	Excellent Understanding of python programming and its data structure
C2: Demonstration of the working of ATmega 2560 Microcontroller	Not able to demonstrate the working of ATmega 2560 Microcontroller	Somehow managed to demonstrate the working of ATmega 2560 Microcontroller	Good demonstration of the working of ATmega 2560 Microcontroller	Better demonstration of the working of ATmega 2560 Microcontroller	Excellent demonstration of the working of ATmega 2560 Microcontroller
C3: Understanding the programming with Raspberry Pi Board	Not able to understand the programming with Raspberry Pi Board	Somehow managed to understand the programming with Raspberry Pi Board	Good understanding of the programming with Raspberry Pi Board	Better understanding of the programming with Raspberry Pi Board	Excellent understanding of the programming with Raspberry Pi Board
C4: Analyzing IOT communication protocols	Not able to analyze IoT communication protocols	Somehow managed to analyze IoT communication protocols	Was able to analyze IoT communication protocols	Properly analyze IoT communication protocols	Excellently analyze IoT communication protocols
C5: Understand the study of STM32G474 Nucleo-64 board.	Not able to explain study of STM32G474 Nucleo-64 board.	Somehow managed to explain study of STM32G474 Nucleo-64 board.	Was able to to explain study of STM32G474 Nucleo-64 board.	Good explanation study of STM32G474 Nucleo-64 board.	Excellent explanation study of STM32G474 Nucleo-64 board.

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CO1	To understand basics of Python Programming and data structures.
CO2	To demonstrate the working of ATmega 2560 Microcontroller.
CO3	To understand architecture of Raspberry Pi and its programming in python.
CO4	Analyze basic protocols in IoT Network.
CO5	To understand the study of STM32G474 Nucleo-64 board and its ODE Environment.

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VALUE ADDED COURSE RECORD (INTERNAL TRAINING) 2022-23

ATTENDANCE SHEET

Batch	**2020-24**
session	**2022-23**
Sub:	**IOT & Robotics Lab**

S.No.	Department	Sem	Training Name	Total Hours of Training	Trainee Name	Classes Held	Classes Attended	Attendance %	Training Completed Successfully
1	ECE	5th & 6th Sem	IOT & Robotics Lab	40	ABHINAV KUMAR KANTH	40	28	70	N
2	ECE	5th & 6th Sem	IOT & Robotics Lab	40	ABHISHEK YADAV	40	33	82	Y
3	ECE	5th & 6th Sem	IOT & Robotics Lab	40	AMAN PRATAP SINGH	40	32	80	Y
4	ECE	5th & 6th Sem	IOT & Robotics Lab	40	AMBIKA	40	32	81	Y
5	ECE	5th & 6th Sem	IOT & Robotics Lab	40	AYUSH RAJ	40	35	87	N
6	ECE	5th & 6th Sem	IOT & Robotics Lab	40	DIVYA VERMA	40	34	86	Y
7	ECE	5th & 6th Sem	IOT & Robotics Lab	40	HARSHIT MISHRA	40	26	65	N
8	ECE	5th & 6th Sem	IOT & Robotics Lab	40	KANCHAN GUPTA	40	33	82	Y

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9	ECE	5th & 6th Sem	IOT & Robotics Lab	40	KASHISH SOLAN	40	29	72	Y
10	ECE	5th & 6th Sem	IOT & Robotics Lab	40	KAVITA YADAV	40	32	80	Y
11	ECE	5th & 6th Sem	IOT & Robotics Lab	40	KOMAL NAGAR	40	32	81	Y
12	ECE	5th & 6th Sem	IOT & Robotics Lab	40	LOKESH BISHT	40	33	83	Y
13	ECE	5th & 6th Sem	IOT & Robotics Lab	40	PRASHANT KUMAR	40	34	84	Y
14	ECE	5th & 6th Sem	IOT & Robotics Lab	40	RAHUL RAJ	40	28	71	Y
15	ECE	5th & 6th Sem	IOT & Robotics Lab	40	RAJU KUMAR	40	30	76	Y
16	ECE	5th & 6th Sem	IOT & Robotics Lab	40	SUMAN KUMAR	40	30	74	N
17	ECE	5th & 6th Sem	IOT & Robotics Lab	40	UMESH KUMAR	40	32	79	N
18	ECE	5th & 6th Sem	IOT & Robotics Lab	40	VIKRAM KUMAR JHA	40	32	80	Y
19	ECE	5th & 6th Sem	IOT & Robotics Lab	40	Parveen	40	32	81	Y
20	ECE	5th & 6th Sem	IOT & Robotics Lab	40	Prashsant	40	32	81	Y
21	ECE	5th & 6th Sem	IOT & Robotics Lab	40	Vivek	40	33	83	Y

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22	ECE	5th & 6th Sem	IOT & Robotics Lab	40	NAVDEEP THAKUR	40	34	84	Y
23	ECE	5th & 6th Sem	IOT & Robotics Lab	40	DEEPAK MANDAL	40	29	72	N

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			I.T.S Engineering College, Greater Noida								
			Department of Electronics & Communication Engineering								
				Marks Assessment sheet							
Batch	2021-25										
session	2022-23										
Sub:	IOT & Robotics Concept Lab										
Methodology											
		Benchmark		75%							
			Level 1	55% to 65% Students secure more than 75% marks						Points	1
			Level 2	65% to 75% Students secure more than 75% marks						Points	2
			Level 3	>75% Students secure more than 75% marks						Points	3

Course Outcome (COs)	
CO-1	To understand the concept of IoT and arduino programming.
CO-2	Interfacing of various sensors using Arduino programming.
CO-3	Explain the interfacing of data, I/O devices with Arduino.
CO-4	To understand the Firebird and its interfacing with different embedded systems.
CO-5	Demonstrate the application of IoT & Robotics in hardware prototype.

S.No.	Roll No.	Name of the Students	Understanding the basic concept of IoT and arduino programming (CO1)		Demonstration of interfacing of various sensors using arduino programming (CO2)		To apply and analyze data of different sensors with arduino (CO3)		To understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems (CO4)		Demonstration of IoT & Robotics in hardware prototype (CO5)		Total Marks	Course Completed
			20		20		20		20		20		100	>75% (Y/N)
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)
1	2102220310001	Aadarsh	19	Y	19	Y	20	Y	20	Y	20	Y	98	Y
2	2102220310002	Abhay Sharma	17	Y	16	Y	19	Y	20	Y	20	Y	92	Y
3	2102220310005	Aditya Rana	15	Y	19	Y	17	Y	15	Y	18	Y	84	Y
4	2102220310006	Aditya Shankar	19	Y	19	Y	19	Y	19	Y	20	Y	96	Y
5	2102220310007	Akmal Hussain	18	Y	13	N	14	N	13	N	16	Y	74	N
6	2102220310008	Alok Kumar Singh	16	Y	17	Y	16	Y	15	Y	18	Y	82	Y
7	2102220310009	Ashwin Yadav	20	Y	18	Y	19	Y	19	Y	18	Y	94	Y
8	2102220310010	Avinash A B Roy	20	Y	19	Y	19	Y	19	Y	19	Y	96	Y
9	2102220310011	Bhumika Pal	18	Y	17	Y	16	Y	15	Y	18	Y	84	Y

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10	2102220310012	Devraj Singh	20	Y	19	Y	19	Y	20	Y	20	Y	98	Y
11	2102220310013	Gautam Negi	17	Y	16	Y	17	Y	19	Y	17	Y	86	Y
12	2102220310014	Harshit Raj	19	Y	18	Y	19	Y	17	Y	17	Y	90	Y
13	2102220310016	Md. Gufab Nabi	16	Y	13	N	13	N	14	N	16	Y	72	N
14	2102220310018	Md Tausif Raja	14	N	13	N	13	N	14	N	14	N	68	N
15	2102220310021	Rakesh Kumar	20	Y	19	Y	18	Y	17	Y	16	Y	90	Y
16	2102220310022	Riya Chaudhary	15	Y	15	Y	18	Y	17	Y	19	Y	84	Y
17	2102220310023	Sahwag Raj	13	N	16	Y	13	N	14	N	15	Y	71	N
18	2102220310024	Sahzaad Bhatti	19	Y	19	Y	19	Y	18	Y	15	Y	90	Y
19	2102220310026	Shushant	19	Y	18	Y	19	Y	19	Y	17	Y	92	Y
20	2102220310027	Siddharth Kumar	18	Y	19	Y	19	Y	19	Y	17	Y	92	Y
21	2102220310028	Sneha	17	Y	16	Y	16	Y	16	Y	17	Y	82	Y
22	2102220310029	Sonu Kumar	17	Y	15	Y	16	Y	17	Y	15	Y	80	Y
23	2102220310030	Urvesh Saifi	19	Y	19	Y	20	Y	20	Y	20	Y	98	Y
24	2202220319001	Abhijeet	15	Y	15	Y	13	N	14	N	15	Y	72	N
25	2202220319002	Rahul	19	Y	19	Y	19	Y	19	Y	19	Y	95	Y
Level Achievement			23		22		20		20		24		20	
% ATTAINMENT			0.92		0.88		0.80		0.80		0.96		0.80	

	Understanding the basic concept of IoT and arduino programming	Demonstration of interfacing of various sensors using arduino programming	To apply and analyze data of different sensors with arduino	To understand the Firebird V- ATmega 2560 and its interfacing with different embedded systems	Average	
CO1	0.92				0.92	
CO2		0.88			0.88	
CO3			0.80		0.80	
CO4				0.80	0.80	
CO5					0.96	
Internal Average Attainment					0.88	
Overall CO Attainment %					29.33	0.29

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CO & PO Mapping (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	2		3	2	3				2		1	1	3	2
CO 2	3	2	2	3	2				3				3	1
CO 3	2	1	2	1	2				2		1		3	2
CO 4	1	2	2	2	1				2				2	2
CO 5	2	2	1	1	2				2				2	3
Average	2	1.75	2.00	1.80	2.00				2.20		1.00	1	2.6	2

CO & PO Attainment (Three Level : 3-Strongly Related , 2-Moderate, 1-Slightly														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1	0.59		0.88	0.59	0.88				0.59		0.29	0.29	0.88	0.59
CO 2	0.88	0.59	0.59	0.88	0.59				0.88				0.88	0.29
CO 3	0.59	0.29	0.59	0.29	0.59				0.59		0.29		0.88	0.59
CO 4	0.29	0.59	0.59	0.59	0.29				0.59				0.59	0.59
CO 5	0.59	0.59	0.29	0.29	0.59				0.59				0.59	0.88
Achieved	0.59	0.51	0.59	0.53	0.59				0.65		0.29	0.29	0.76	0.59

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DEPARTMENT OF MECHANICAL ENGINEERING

Plan for "SMC Pneumatics" COE Academic Year 2020-21

The training Program for "SMC Pneumatics" will be conducted in 2 sessions for 3rd year mechanical engineering students. First, training will be provided on pneumatic technology and after that training on electro- pneumatic technology will be provided. For pneumatic technology, training will be provided in Sept- Dec session and for electro-pneumatic technology training will be provided in Jan- April session.

Training Program for Pneumatic Technology:

The training program on pneumatic technology will be conducted in odd semester for all 5th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of pneumatic systems and their components will be imparted and hand on practice on pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Pneumatic Technology

Topics:

Introduction of Pneumatics: Needs and Applications

The Basic Pneumatic Systems & Compressed Air Theory: Air production System, air consuming system, properties of gas, air humidity, relative humidity, pressure and flow.

Air Compression and Distribution: Compressors, types of compressors, compressor accessories, air receiver, air dehydration, air dryers, air distribution, automatic drains.

Filters and Regulators: Micro filters, main line filters, filter selection, filtering level, pressure regulation, filter regulators, pilot operated regulators, sizing of regulators and filters.

Actuators: Linear cylinders, Single acting cylinders, double acting cylinders, cylinder construction, special cylinder, cylinder sizing, cylinder force, Rotary actuators, sizing rotary operation, locking cylinders, rod less cylinders, air chucks.

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Directional Control Valves: Valve functioning, port indication, monostable and bistable, valve types, valve operations.

5/2 Valves: Valves nomenclature, ISO symbol, valve operation, monostable, bistable and memory valve, valves mounting.

Auxiliary Valves: Non-returning valves flow control valves, quick exhaust valves, shuttle valves, two pressure valves, air timer, ISO symbols, valves operation, and valves mounting.

Session Plan: COE Pneumatics Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Pneumatic Lab	
Academic Session: 2020-21	
Course/ Program year/Semester: B.Tech/ Third Year/ 5th Sem	
S.NO	**TOPICS**
1	Introduction of Pneumatics: Needs and Applications
2	The Basic Pneumatic Systems & Compressed Air Theory
3	Filters and Regulators, Actuators
4	Directional Control Valves
5	5/2 Valves
6	Auxiliary Valves
7	Exercise 1 :Working of single acting cylinder
8	Exercise 2: Working of single acting cylinder Using 3/2 NO valve
9	Exercise 3: Working of double acting cylinder using 5/2 Valve
10	Exercise 4: Working of 5/2 PB valve
11	Exercise 5: Opening of gate using two safety switches
12	Exercise 6: Working of double acting cylinder using quick exhaust valve

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Training Program for Electro-Pneumatic Technology:

The training program on electro-pneumatic technology will be conducted in even semester for all 6th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan prepared for electro-pneumatic technology. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of electro-pneumatic systems and their components will be provided and hand on practice on electro-pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Electro-Pneumatic Technology

Topics:

Introduction of Electro-Pneumatics: Economical and technical aspect of electro-pneumatic systems, needs and applications, Consequences of hybrid system.

Basic electrical theory: Atom, direct current accumulators, generators, elementary circuit, Ohm's law, series connection, parallel connection, magnetism, transformers.

Magnetic cylinder switches: Principle, mounting methods, troubleshooting, switch assemblies, selection of assemblies.

Solenoid Valves: Operation, skinner principle, power valves, pilot operation, reliability of valves.

Relay and sensors: Principle, relay function, Plug in relay types, special function relay, proximity sensors, optical, retroreflective, reflective, inductive, capacitive type sensors.

Electric timers: Construction, application, ISO symbol, mounting and application.

Electro-pneumatic Circuits: Circuit design, diagram layout, basic circuits, Multiplying contact, The holding circuit, Contact Inversion, Timing circuit, Flashing Lamp, Pulse, Variable repeating movement.

Safety in Automation: Compressed air safety, electric current safety, effect of electric current on humans, safety measures.

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Session Plan: COE Electro-Pneumatic Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Electro-Pneumatic Lab	
Academic Session: 2020-21	
Course/ Program year/Semester: B.Tech/ Third Year/ 6th Sem	
S.NO	**TOPICS**
1	Introduction: Economical and technical aspect of electro-pneumatic systems
2	Basic electrical theory
3	Magnetic cylinder switches
4	Solenoid valves
5	Relay, Sensors
6	Electric timers
7	Electro-pneumatic circuits
8	Electro-pneumatic circuits: Multiplying contact
9	Electro-pneumatic circuits: Holding circuit
10	Electro-pneumatic circuits: Contact inversion
11	Electro-pneumatic circuits: Timing circuit
12	Electro-pneumatic circuits: Flashing lamp

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Study Material:

Study material being made available to the students (Ready)

In form of PPTs (Ready for Pneumatic Technology)

Hard copy contents (Not available however can be prepared from the available contents)

Soft copy contents (Ready)

Learning Outcome:

On completion of this training programme participants should be able to

- Explain the meaning of pneumatics and basic pneumatic system.
- Compare hydraulic, pneumatic and mechanical power transmission system.
- Describe pressure, flow and various gas laws.
- Describe Air Humidity , Dew Point, Atmospheric dew point (ADP), Pressure Dew Point (PDP) and Relative Humidity (R.H)
- Describe Compressors, Aftercoolers, Air Dryers (Absorption and Adsorption)
- Describe Air Treatment (Filtering ,Pressure Regulation and Compressed air lubrication)
- Describe FRL (Filter-Regulator-Lubricator) Units.
- Describe Directional Control Valves (2/2 ON/OFF, 3/2 NC, 3/2 NO, 4/2 ,5/2,5/3), Auxiliary Valves (NRV, Flow Control Valves, Quick Return Valves, Shuttle Valves-OR Gate, Two Pressure Valves –AND Gate , Air Timer-Air Delay Valve)
- Describe Actuators (Single Acting Cylinders and Double Acting Cylinders)
- Explain Symbols of Air Treatment Equipments, Actuators, Valves and pneumatic and electro-pneumatic circuits.
- Make circuit for various automation tasks.

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Conduct of Examination/test online and offline for students semester wise

5th Semester:

Assessment for the Period	Platform being utilized for online test	Type of platform	Purpose of the test being conducted
5th Semester	Google Docs	Internal Test (MCQ based on basic of Pneumatic Technology)	To check the knowledge of Pneumatics

Students will also be evaluated on the basis of their ability to make circuits on Pneumatic Circuits boards.

6th Semester

Assessment for the Period	Platform being utilized for online test	Type of platform	Purpose of the test being conducted
6th Semester	Google Docs	Internal Test (MCQ based on basic of Electro-Pneumatic Technology)	To check the knowledge of Electro-Pneumatics

Students will also be evaluated on the basis of their ability to make circuits on Electro-Pneumatic Circuits boards.

Industry Connect:

Options available as per industry connect

1. SMC Pneumatics India Pvt. Ltd
2. Competent Pneumatics Pvt. Ltd
3. Techno Pneumatics
4. Saint Gobin Indi Pvt. Ltd
5. Janatics India Pvt. Ltd
6. Festo India Pvt. Ltd
7. SG Pneumatics India Pvt. Ltd
8. Swam Pneumatics Pvt. Ltd.
9. Air Max Pneumatics Ltd
10. SR Thermonix Technology Pvt. Ltd
11. Nexus Pneumatics Pvt. Ltd
12. Chicago Pneumatic

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Requisite for student for getting placed in industry

- Good concepts of Pneumatics
- Good knowledge of Pneumatics system
- Comfortable with Pneumatics circuits designing
- Good aptitude and logical thinking
- Problem solving ability

E-Learning courses planned

5th and 6th Semester

Assessment for the Period	Platform being utilized for online test	Type of platform	Purpose of the test being conducted
5th Semester	Google Docs	Online	Internal Assessment
6th Semester	Google Docs	Online	Internal Assessment

7th Semester: Provide helps in preparing minor project of final year students.

8th Semester: Provide helps in preparing major project of final year students.

Certification: Certificate will be provided for all participating students having attendance more than 75% in COE Lab.

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SMC Training Program Report

Name of the Event: Online Workshop on "Basics on Pneumatic Technology" at ITS Engineering College, Greater Noida.
Trainer: Mr. Chetan DIxit
Event Coordinator(s): Mr. Manvendra Yadav, Mr. Chetan Dixit, Mechanical Engineering Department
Date of Event: 02/11/2020 to 03/11/2020
Time: 9:30 AM – 12:30 PM
Venue: COE: SMC Pneumatics, ITS Engineering College, Greater Noida

Objective:

1. To acquaint with the role of Pneumatic system in the growth of Industrial sector for the Nation.
2. To understand the basic components of Pneumatic system to the future generation of Automation.
3. To develop the understanding to the Pneumatic circuits for designing circuits required for automation.

Main Report:

Al students of final year Mechanical Engineering Department attended the two days online workshop on "Basics of Pneumatic Technology" at COE: SMC Pneumatics, ITS Engineering College Greater Noida during 02/11/2020 to 03/11/2020. The Trainer, Mr. Chetan Dixit, presently working as the Assistant Professor in Mechanical Engineering Department of ITS Engineering College, highlighted the need for Automation in modern era. The Trainer revised the few concepts of Refrigeration and air condition with psychometric chart. He started Module 1 with the basic components used in Pneumatics system and the real time application area of pneumatics in industries. In Module 2 he guided about the Actuators, cylinders, Directional control valves and auxiliary valves. In Module 3 he explained the use of circuits and the process to design the circuits with the help of sequences formed in the problems. The theory class was also followed by lab work in which six exercises were completed.

Workshop Outcome:

i) The short training helped the students to understand the role of Automation in economical development for the nation.
ii) It also helped the students to explore new dimension for the use pneumatics or low cost automation in Industries.
iii) To develop the power circuits for the Pneumatic System to the working applications.

Participation details:

All final year Students of Mechanical Engineering Department.

for

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Attendance Sheet- SMC										
ME-Final Year-VII-A 2020-21			2-Nov-20	2-Nov-20	2-Nov-20	2-Nov-20	3-Nov-20	3-Nov-20	3-Nov-20	3-Nov-20
Sr. No.	Roll Number	Name	PP	PP	PP	PP	PP	PP	PP	PP
1	1622240011	AMAN SRIVASTAVA	A	A	A	A	A	A	A	A
2	1722231024	KAVIRAJ KUMAR	P	P	P	P	P	P	P	P
3	1722240001	AAKASH BHATI	P	P	P	P	P	P	P	P
4	1722240002	AASHISH SHARMA	P	P	P	P	A	A	A	A
5	1722240003	AASHU KR. JHA	A	A	A	A	A	A	A	A
6	1722240004	ABHAY SINGH	A	A	A	A	A	A	A	A
7	1722240005	ABHISHEK SOLANKI	A	A	A	A	A	A	A	A
8	1722240006	ABHISHEK SRIVASTAVA	P	P	P	P	P	P	P	P
9	1722240007	ACHAL KHANNA	P	P	P	P	P	P	P	P
10	1722240010	AJAY TANWAR	P	P	P	P	A	A	A	A
11	1722240011	AKARSH PANDEY	A	A	A	A	A	A	A	A
12	1722240012	AKASH KUMAR	A	A	A	A	P	P	P	P
13	1722240013	AKHAND PANDEY	A	A	A	A	A	A	A	A
14	1722240014	AMAN JAIN	A	A	A	A	P	P	P	P
15	1722240015	AMAN SHARMA	P	P	P	P	P	P	P	P
16	1722240018	ANUJ KUMAR	P	P	P	P	P	P	P	P
17	1722240019	ARJIT NOHWAR	A	A	A	A	A	A	A	A
18	1722240020	ARSH REHMAN	A	A	A	A	A	A	A	A
19	1722240021	ARSHAD IQBAL	A	A	A	A	A	A	A	A
20	1722240022	ASIF KHAN	A	A	A	A	A	A	A	A
21	1722240024	AZAHARUDIN ANSARI	P	P	P	P	P	P	P	P
22	1722240025	BALDHARI KUMAR	A	A	A	A	A	A	A	A
23	1722240026	BHARTENDU KUMAR	P	P	P	P	A	A	A	A
24	1722240027	CHANDAN CHAUDHARY	A	A	A	A	A	A	A	A
25	1722240028	DIVYANSHU KUMAR	A	A	A	A	A	A	A	A
26	1722240029	JEEVESH GUPTA	A	A	A	A	A	A	A	A
27	1722240030	JITUPAN DEKA	A	A	A	A	A	A	A	A
28	1722240031	KESHAV KASHYAP	P	P	P	P	A	A	A	A
29	1722240032	LUVKESH	A	A	A	A	P	P	P	P
30	1722240033	MAAZ KHAN	A	A	A	A	A	A	A	A

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31	1722240034	MAJID KHAN	A	A	A	A	A	A	A	A	
32	1722240035	MANISH PAL	P	P	P	P	A	A	A	A	
33	1722240036	MD SULEMAN AKHTAR	A	A	A	A	A	A	A	A	
34	1722240037	MD EHTESHAM AKHTAR	A	A	A	A	A	A	A	A	
35	1722240039	MD. WALIULLAH	P	P	P	P	P	P	P	P	
36	1722240040	MOHAMMAD FAIZ AHMED	P	P	P	P	P	P	P	P	
37	1722240041	NITESH PAL	P	P	P	P	A	A	A	A	
38	1722240042	PRASHANT KUMAR	A	A	A	A	A	A	A	A	
39	1722240043	RAHUL MAURYA	P	P	P	P	A	A	A	A	
40	1722240044	RAKSHIT TIWARI	A	A	A	A	A	A	A	A	
41	1722240045	RAMANDEEP SINGH	P	P	P	P	P	P	P	P	
42	1722240046	RITURAJ KUMAR	P	P	P	P	P	P	P	P	
43	1722240047	ROBIN RAJ	A	A	A	A	A	A	A	A	
44	1722240048	ROHIT ANAND	A	A	A	A	A	A	A	A	
45	1722240049	SACHIN GAUTAM	A	A	A	A	A	A	A	A	
46	1722240051	SHAMSHAD AHMAD	P	P	P	P	P	P	P	P	
47	1722240052	SHARFE ALAM	P	P	P	P	P	P	P	P	
48	1722240053	SHIVAM VERMA	P	P	P	P	P	P	P	P	
49	1722240054	SHUBHAM SHARMA	A	A	A	A	A	A	A	A	
50	1722240055	SHUBHAM SINGH	P	P	P	P	A	A	A	A	
51	1722240056	SHWETANK GUPTA	P	P	P	P	A	A	A	A	
52	1722240057	SOMESH PANDEY	A	A	A	A	A	A	A	A	
53	1722240058	SYED FAISAL HUSSAIN	A	A	A	A	A	A	A	A	
54	1722240060	SYED YUSUF AMIN	A	A	A	A	P	P	P	P	
55	1722240061	UJJWAL KR. PANDEY	A	A	A	A	A	A	A	A	
56	1722240062	VISHAL KUMAR	A	A	A	A	A	A	A	A	
57	1722240063	WASIUDDIN	P	P	P	P	P	P	P	P	
58	1722240064	ZAID ASIF	P	P	P	P	P	P	P	P	
59	1822240901	MAYANK RAJ	P	P	P	P	P	P	P	P	
60	1822240902	NITISH KR. YADAV	A	A	A	A	A	A	A	A	
61	1622240013	Amit Kumar	A	A	A	A	A	A	A	A	
		Total	26	26	26	26	21	21	21	21	

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Department of Mechanical Engineering

Marks Assessment sheet

Batch 2019-23
session 2020-2021
Sub AutoCAD Training

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Practicing AutoCAD tools used for 2D geometry in drafting and design of the mechanical design and manufacturing industries.	Does not able to use the tools available in AutoCAD.	Partially, able to use the tools available in AutoCAD.	Use basic tools in AutoCAD and apply them in the drafting of basic machine components.	Use basic tools in AutoCAD for drafting and design of mechanical design and manufacturing industries' components	Use advance commands of AutoCAD for drafting and design of mechanical design and manufacturing industries' components
CO-2	Apply basic CAD concepts to develop and construct accurate 2D geometry constructions.	Does not apply Basic CAD concepts in geometrical constructions.	Application of very few Basic CAD concepts in geometrical construction.	Application of a few Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts but geometrical constructions are not accurate.	Application of all Basic CAD concepts in 2D geometrical construction with the highest accuracy.
CO-3	Create, manipulate and edit 2D drawings and figures.	Unable to create 2D drawings.	Able to create the 2D drawings but unable to manipulate and edit them.	Able to create and manipulate the 2D drawings but unable to edit the drawings.	Able to create, manipulate and edit 2D drawings and figures.	Excellent in creating, manipulating and editing of 2D drawings and figures.
CO-4	Practicing the User Coordinate Systems and 3D tools of AutoCAD to create 3-D entities and manipulate AutoCAD block attributes.	Unable to use 3D tools of AutoCAD software.	Able to use 3D tools of AutoCAD to create 3-D entities but unable to manipulate AutoCAD block attributes.	Able to use 3D tools of AutoCAD to create 3-D entities and manipulate AutoCAD block attributes.	Good in the use of 3D tools of AutoCAD to create 3-D entities but average in the manipulation of AutoCAD block attributes.	Excellent in the use of 3D tools of AutoCAD to create 3-D entities and manipulate AutoCAD block attributes.
CO-5	Apply elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.	Poor in applying the elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.	Average in applying the elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.	Good in applying the elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.	Very good in applying the elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.	Excellent in applying the elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D and 3D figures in industrial drawings.

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S.No.	Roll No.	Name of the Students	CO1		CO2		CO3		CO4		CO5		Internal Marks
			10		10		10		10		10		50
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	1822240001	AAKASH	10	9	10	9	10	8	10	8	10	8	40
2	1822240002	ABHIMANYU RAJPUT	10	0	10	0	10	0	10	0	10	0	0
3	1822240003	ABHISHEK PAL	10	5	10	5	10	5	10	5	10	5	25
4	1822240004	ALOK KUMAR	10	9	10	8	10	7	10	8	10	8	41
5	1822240005	ANURAG SINGH	10	9	10	8	10	8	10	7	10	7	39
6	1822240006	ASHIRVAD PAL	10	9	10	9	10	8	10	8	10	8	42
7	1822240007	ASHUTOSH YADAV	10	9	10	9	10	9	10	8	10	8	43
8	1822240009	BHUVAN KUMAR LODHI	10	8	10	8	10	8	10	7	10	7	38
9	1822240010	CHANDAN SHARMA	10	9	10	9	10	8	10	7	10	7	40
10	1822240011	HARSH CHAURASIA	10	5	10	5	10	5	10	5	10	5	25
11	1822240012	JAIBEER	10	9	10	8	10	8	10	7	10	7	39
12	1822240013	JUNED KHAN	10	8	10	8	10	8	10	7	10	7	38
13	1822240014	KARN RAJPUT	10	0	10	0	10	0	10	0	10	0	0
14	1822240015	KRISHNA KUMAR JAISWAL	10	5	10	6	10	6	10	6	10	6	29
15	1822240016	KRITESH MISHRA	10	9	10	9	10	8	10	7	10	7	40
16	1822240017	LAKSHAY YADAV	10	0	10	0	10	0	10	0	10	0	0
17	1822240018	MANZAR IQBAL	10	0	10	0	10	0	10	0	10	0	0
18	1822240019	MAYANK TOMAR	10	4	10	4	10	4	10	4	10	4	20
19	1822240020	MD NAWAZ KARIM KHAN	10	9	10	9	10	8	10	8	10	7	41
20	1822240021	MOHAMMAD ARIZ	10	9	10	9	10	8	10	8	10	8	42
21	1822240022	MOHD AMMAR KHAN	10	9	10	9	10	9	10	9	10	9	45
22	1822240023	MOHD WASEEM	10	9	10	9	10	8	10	7	10	7	40
23	1822240024	MUNISH SINGH	10	8	10	8	10	8	10	7	10	7	38
24	1822240025	NIDHI SHARMA	10	8	10	8	10	8	10	8	10	8	40
25	1822240026	PRADUMAN KUMAR	10	9	10	9	10	9	10	9	10	9	45
26	1822240027	PRASOON SINGH	10	8	10	8	10	8	10	7	10	8	39
27	1822240028	PRIYANSHU GUPTA	10	0	10	0	10	0	10	0	10	0	0
28	1822240029	PRIYANSHU PAL	10	0	10	0	10	0	10	0	10	0	0
29	1822240030	RAJKUMAR SHUKLA	10	8	10	8	10	8	10	8	10	8	40
30	1822240032	SHIVENDRA KUMAR SINGH	10	8	10	8	10	8	10	8	10	8	40

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31	1822240033	SOHAIB AHMAD	10	0	10	0	10	0	10	0	10	0	0
32	1822240035	SUHAIL SAIFI	10	5	10	5	10	5	10	5	10	5	25
33	1822240036	SURAJ VISHVAKARMA	10	8	10	8	10	8	10	8	10	9	41
34	1822240037	UBAID ZAHOOR AHANGER	10	0	10	0	10	0	10	0	10	0	0
35	1822240038	VINIT YADAV	10	8	10	8	10	8	10	8	10	7	39
36	1822240039	VIPIN KUMAR	10	8	10	8	10	8	10	8	10	8	40
37	1822240040	VIPIN M.S	10	0	10	0	10	0	10	0	10	0	0
38	1822240041	YASH BHARDWAJ	10	4	10	4	10	4	10	4	10	4	20
39	1822240042	Aniket Kumar	10	8	10	8	10	8	10	8	10	8	40
40	1822240043	Jayant Singh Rajput	10	8	10	8	10	8	10	8	10	8	40
41	1822240044	Sachin Singh	10	0	10	0	10	0	10	0	10	0	0
42	1822240045	Tushar Pal	10	8	10	8	10	8	10	8	10	8	40

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ITS ENGINEERING COLLEGE, GREATER NOIDA

SMC Value Added Course Record (Internal Trainings) 2021-22

1	2	3	4	5	6	7	8	9	10	11	12	13
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Status (Y/N)
1	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	AAKASH	38	30	78.95	Yes	Internal	Y
2	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ABHIMANYU RAJPUT	38	32	84.21	Yes	Internal	Y
3	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ABHISHEK PAL	38	32	84.21	Yes	Internal	Y
4	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ALOK KUMAR	38	28	73.68	Yes	Internal	Y
5	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ANURAG SINGH	38	26	68.42	Yes	Internal	Y
6	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ASHIRVAD PAL	38	34	89.47	Yes	Internal	Y
7	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	ASHUTOSH YADAV	38	34	89.47	Yes	Internal	Y
8	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	BHUVAN KUMAR LODHI	38	36	94.74	Yes	Internal	Y
9	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	CHANDAN SHARMA	38	34	89.47	Yes	Internal	Y
10	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	HARSH CHAURASIA	38	32	84.21	Yes	Internal	Y
11	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	JAIBEER	38	32	84.21	Yes	Internal	Y
12	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	JUNED KHAN	38	28	73.68	Yes	Internal	Y
13	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	KARN RAJPUT	38	26	68.42	Yes	Internal	Y
14	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	KRISHNA KUMAR JAISWAL	38	34	89.47	Yes	Internal	Y
15	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	KRITESH MISHRA	38	34	89.47	Yes	Internal	Y
16	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	LAKSHAY YADAV	38	36	94.74	Yes	Internal	Y
17	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MANZAR IQBAL	38	34	89.47	Yes	Internal	Y
18	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MAYANK TOMAR	38	28	73.68	Yes	Internal	Y
19	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MD NAWAZ KARIM KHAN	38	26	68.42	Yes	Internal	Y
20	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MOHAMMAD ARIZ	38	34	89.47	Yes	Internal	Y
21	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MOHD AMMAR KHAN	38	34	89.47	Yes	Internal	Y
22	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MOHD WASEEM	38	36	94.74	Yes	Internal	Y
23	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	MUNISH SINGH	38	34	89.47	Yes	Internal	Y
24	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	NIDHI SHARMA	38	34	89.47	Yes	Internal	Y
25	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	PRADUMAN KUMAR	38	36	94.74	Yes	Internal	Y
26	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	PRASOON SINGH	38	34	89.47	Yes	Internal	Y
27	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	PRIYANSHU GUPTA	38	28	73.68	Yes	Internal	Y
28	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	PRIYANSHU PAL	38	26	68.42	Yes	Internal	Y
29	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	RAJKUMAR SHUKLA	38	34	89.47	Yes	Internal	Y
30	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	SHIVENDRA KUMAR SINGH	38	34	89.47	Yes	Internal	Y
31	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	SOHAIB AHMAD	38	36	94.74	Yes	Internal	Y
32	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	SUHAIL SAIFI	38	34	89.47	Yes	Internal	Y
33	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	SURAJ VISHVAKARMA	38	34	89.47	Yes	Internal	Y
34	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	UBAID ZAHOOR AHANGE	38	28	73.68	Yes	Internal	Y
35	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	VINIT YADAV	38	26	68.42	Yes	Internal	Y
36	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	VIPIN KUMAR	38	34	89.47	Yes	Internal	Y
37	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	VIPIN M.S	38	34	89.47	Yes	Internal	Y
38	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	YASH BHARDWAJ	38	36	94.74	Yes	Internal	Y
39	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	Aniket Kumar	38	34	89.47	Yes	Internal	Y
40	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	Jayant Singh Rajput	38	30	78.95	Yes	Internal	Y
41	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	Sachin Singh	38	24	63.16	Yes	Internal	Y
42	ME	5th & 6th	SMC Training	38	09/12/2021	05/09/2022	Tushar Pal	38	24	63.16	Yes	Internal	Y

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Greater Noida

Plan for "SMC Pneumatic" COE Sessions for Academic Year 2021-22

The training Program for "SMC Pneumatics" will be conducted in 2 sessions for 3rd year mechanical engineering students. First, training will be provided on pneumatic technology and after that training on electro- pneumatic technology will be provided. For pneumatic technology, training will be provided in Sept- Dec session and for electro-pneumatic technology training will be provided in Jan- April session.

Training Program for Pneumatic Technology:

The training program on pneumatic technology will be conducted in odd semester for all 5th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of pneumatic systems and their components will be imparted and hand on practice on pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Pneumatic Technology

Topics:

Introduction of Pneumatics: Needs and Applications

The Basic Pneumatic Systems & Compressed Air Theory: Air production System, air consuming system, properties of gas, air humidity, relative humidity, pressure and flow.

Air Compression and Distribution: Compressors, types of compressors, compressor accessories, air receiver, air dehydration, air dryers, air distribution, automatic drains.

Filters and Regulators: Micro filters, main line filters, filter selection, filtering level, pressure regulation, filter regulators, pilot operated regulators, sizing of regulators and filters.

Actuators: Linear cylinders, Single acting cylinders, double acting cylinders, cylinder construction, special cylinder, cylinder sizing, cylinder force, Rotary actuators, sizing rotary operation, locking cylinders, rodless cylinders, air chucks.

Directional Control Valves: Valve functioning, port indication, monostable and bistable, valve types, valve operations.

5/2 Valves: Valves nomenclature, ISO symbol, valve operation, monostable, bistable and memory valve, valves mounting.

Auxiliary Valves: Non-returning valves flow control valves, quick exhaust valves, shuttle valves, two pressure valves, air timer, ISO symbols, valves operation, and valves mounting.

Director
ITS Engineering College
Greater Noida

Head of Department
MECHANICAL ENGINEERING

ITS ENGINEERING COLLEGE, GREATER NOIDA

Value Added Course Record (Internal Trainings)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Status (Y/N)	Contact number of Trainee	Company Name and Contact	Monthly Salary (INR)	Placement Date
1	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Abhishek Sharma	61	48	78.69	Yes						
2	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Adarsh Kumar Mishra	61	46	75.41	Yes						
3	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Deepanjan	61	46	75.41	Yes						
4	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Konika Thakur	61	48	78.69	Yes						
5	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Md Aamir Raza	61	47	77.05	Yes						
6	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Rakesh Kumar Chauhan	61	46	75.41	Yes						
7	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	Shlabh Kumar Kapil	61	50	81.97	Yes						
8	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	SURAJ KUMAR	61	47	77.05	Yes						
9	ME	3rd & 4th	CAD Training (AutoCAD)	61	14-09-2021	13-06-2022	ABDUL HASIB	61	4	6.56	No						

Head of Department

Director
ITS Engineering College
Greater Noida

Session Plan: COE Pneumatic Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Pneumatic Lab	
Academic Session: 2021-22	
Course/ Program year/Semester: B.Tech/ Third Year/ 5th	
S.NO	**TOPICS**
1	Introduction of Pneumatics: Needs and Applications
2	The Basic Pneumatic Systems & Compressed Air Theory
3	Filters and Regulators, Actuators
4	Directional Control Valves
5	5/2 Valves
6	Auxiliary Valves
7	Exercise 1 :Working of single acting cylinder
8	Exercise 2: Working of single acting cylinder Using 3/2 NO valve
9	Exercise 3: Working of double acting cylinder using 5/2 Valve
10	Exercise 4: Working of 5/2 PB valve
11	Exercise 5: Opening of gate using two safety switches
12	Exercise 6: Working of double acting cylinder using quick exhaust valve

Head of Department
MECHANICAL ENGINEERING

Director
ITS Engineering College
Greater Noida

Director
ITS Engineering College
Greater Noida

Training Program for Electro-Pneumatic Technology:

The training program on electro-pneumatic technology will be conducted in even semester for all 6th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan prepared for electro-pneumatic technology. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of electro-pneumatic systems and their components will be provided and hand on practice on electro-pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Electro-Pneumatic Technology

Topics:

Introduction of Electro-Pneumatics: Economical and technical aspect of electro-pneumatic systems, needs and applications, Consequences of hybrid system.

Basic electrical theory: Atom, direct current accumulators, generators, elementary circuit, Ohm's law, series connection, parallel connection, magnetism, transformers.

Magnetic cylinder switches: Principle, mounting methods, troubleshooting, switch assemblies, selection of assemblies.

Solenoid Valves: Operation, skinner principle, power valves, pilot operation, reliability of valves.

Relay and sensors: Principle, relay function, Plug in relay types, special function relay, proximity sensors, optical, retroreflective, reflective, inductive, capacitive type sensors.

Electric timers: Construction, application, ISO symbol, mounting and application.

Electro-pneumatic Circuits: Circuit design, diagram layout, basic circuits, Multiplying contact, The holding circuit, Contact Inversion, Timing circuit, Flashing Lamp, Pulse, Variable repeating movement.

Safety in Automation: Compressed air safety, electric current safety, effect of electric current on humans, safety measures.

Director
ITS Engineering College
Greater Noida

Head of Department
Mechanical Engineering

Session Plan: COE Electro-Pneumatic Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Electro-Pneumatic Lab	
Academic Session: 2021-22	
Course/ Program year/Semester: B.Tech/ Third Year/ 6th	
S.NO	**TOPICS**
1	Introduction: Economical and technical aspect of electro-pneumatic systems
2	Basic electrical theory
3	Magnetic cylinder switches
4	Solenoid valves
5	Relay, Sensors
6	Electric timers
7	Electro-pneumatic circuits
8	Electro-pneumatic circuits: Multiplying contact
9	Electro-pneumatic circuits: Holding circuit
10	Electro-pneumatic circuits: Contact inversion
11	Electro-pneumatic circuits: Timing circuit
12	Electro-pneumatic circuits: Flashing lamp

Director
ITS Engineering College
Greater Noida

ITS ENGINEERING COLLEGE, GREATER NOIDA

SMC Value Added Course Record (Internal Trainings) 2022-23

1	2	3	4	5	6	7	8	9	10	11		12	13
S.No.	Department	SEM	Training Name	Total Hours of Training	Training Start Date	Training End Date	Trainee Name	Classes Held	Classes Attended	Attendance %age	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Status (Y/N)
1	ME	5th & 6th	SMC Training	42	14-09-2022	13-05-2023	Abhishek Sharma	42	34	80.95	Yes	Internal	Y
2	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Adarsh Kumar Mishra	42	32	76.19	Yes	Internal	Y
3	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Deepanjan	42	34	80.95	Yes	Internal	Y
4	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Konika Thakur	42	30	71.43	Yes	Internal	Y
5	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Md Aamir Raza	42	26	61.90	Yes	Internal	Y
6	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Rakesh Kumar Chauhan	42	28	66.67	Yes	Internal	Y
7	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	Shlabh Kumar Kapil	42	32	76.19	Yes	Internal	Y
8	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	SURAJ KUMAR	42	30	71.43	Yes	Internal	Y
9	ME	5th & 6th	SMC Training	42	14-09-2021	13-06-2022	ABDUL HASIB	42	30	71.43	Yes	Internal	Y

Head of Department
MECHANICAL ENGINEERING

Director
ITS Engineering College
Greater Noida

Plan for "SMC Pneumatic" COE Sessions for Academic Year 2022-23

The training Program for "SMC Pneumatics" will be conducted in 2 sessions for 3rd year mechanical engineering students. First, training will be provided on pneumatic technology and after that training on electro- pneumatic technology will be provided. For pneumatic technology, training will be provided in Sept- Dec session and for electro-pneumatic technology training will be provided in Feb- April session.

Training Program for Pneumatic Technology:

The training program on pneumatic technology will be conducted in odd semester for all 5th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of pneumatic systems and their components will be imparted and hand on practice on pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Pneumatic Technology

Topics:

Introduction of Pneumatics: Needs and Applications

The Basic Pneumatic Systems & Compressed Air Theory: Air production System, air consuming system, properties of gas, air humidity, relative humidity, pressure and flow.

Air Compression and Distribution: Compressors, types of compressors, compressor accessories, air receiver, air dehydration, air dryers, air distribution, automatic drains.

Filters and Regulators: Micro filters, main line filters, filter selection, filtering level, pressure regulation, filter regulators, pilot operated regulators, sizing of regulators and filters.

Actuators: Linear cylinders, Single acting cylinders, double acting cylinders, cylinder construction, special cylinder, cylinder sizing, cylinder force, Rotary actuators, sizing rotary operation, locking cylinders, rodless cylinders, air chucks.

Directional Control Valves: Valve functioning, port indication, monostable and bistable, valve types, valve operations.

5/2 Valves: Valves nomenclature, ISO symbol, valve operation, monostable, bistable and memory valve, valves mounting.

Auxiliary Valves: Non-returning valves flow control valves, quick exhaust valves, shuttle valves, two pressure valves, air timer, ISO symbols, valves operation, and valves mounting.

Director
ITS Engineering College
Greater Noida

Head of Department
MECHANICAL ENGINEERING

Session Plan: COE Pneumatic Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Pneumatic Lab	
Academic Session: 2022-23	
Course/ Program year/Semester: B.Tech/ Third Year/ 5th	
S.NO	**TOPICS**
1	Introduction of Pneumatics: Needs and Applications
2	The Basic Pneumatic Systems & Compressed Air Theory
3	Filters and Regulators, Actuators
4	Directional Control Valves
5	5/2 Valves
6	Auxiliary Valves
7	Exercise 1 :Working of single acting cylinder
8	Exercise 2: Working of single acting cylinder Using 3/2 NO valve
9	Exercise 3: Working of double acting cylinder using 5/2 Valve
10	Exercise 4: Working of 5/2 PB valve
11	Exercise 5: Opening of gate using two safety switches
12	Exercise 6: Working of double acting cylinder using quick exhaust valve

Head of Department
MECHANICAL ENGINEERING

Director
ITS Engineering College
Greater Noida

Training Program for Electro-Pneumatic Technology:

The training program on electro-pneumatic technology will be conducted in even semester for all 6th semester mechanical engineering students. The training will be provided according to the syllabus and lecture plan prepared for electro-pneumatic technology. Around 12 sessions will be conducted having 2 hours/session. The detailed knowledge of electro-pneumatic systems and their components will be provided and hand on practice on electro-pneumatic circuits will be performed by the students.

Time duration needed: 24 hours

Syllabus: Electro-Pneumatic Technology

Topics:

Introduction of Electro-Pneumatics: Economical and technical aspect of electro-pneumatic systems, needs and applications, Consequences of hybrid system.

Basic electrical theory: Atom, direct current accumulators, generators, elementary circuit, Ohm's law, series connection, parallel connection, magnetism, transformers.

Magnetic cylinder switches: Principle, mounting methods, troubleshooting, switch assemblies, selection of assemblies.

Solenoid Valves: Operation, skinner principle, power valves, pilot operation, reliability of valves.

Relay and sensors: Principle, relay function, Plug in relay types, special function relay, proximity sensors, optical, retroreflective, reflective, inductive, capacitive type sensors.

Electric timers: Construction, application, ISO symbol, mounting and application.

Electro-pneumatic Circuits: Circuit design, diagram layout, basic circuits, Multiplying contact, The holding circuit, Contact Inversion, Timing circuit, Flashing Lamp, Pulse, Variable repeating movement.

Safety in Automation: Compressed air safety, electric current safety, effect of electric current on humans, safety measures.

Director
ITS Engineering College
Greater Noida

Head of Department
MECHANICAL ENGINEERING

Session Plan: COE Electro-Pneumatic Lab

MECHANICAL ENGINEERING DEPARTMENT	
Session Plan: COE Electro-Pneumatic Lab	
Academic Session: 2022-23	
Course/ Program year/Semester: B.Tech/ Third Year/ 6th	
S.NO	**TOPICS**
1	Introduction: Economical and technical aspect of electro-pneumatic systems
2	Basic electrical theory
3	Magnetic cylinder switches
4	Solenoid valves
5	Relay, Sensors
6	Electric timers
7	Electro-pneumatic circuits
8	Electro-pneumatic circuits: Multiplying contact
9	Electro-pneumatic circuits: Holding circuit
10	Electro-pneumatic circuits: Contact inversion
11	Electro-pneumatic circuits: Timing circuit
12	Electro-pneumatic circuits: Flashing lamp

Head of Department
MECHANICAL ENGINEERING

Director
ITS Engineering College
Greater Noida

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I.T.S ENGINEERING COLLEGE
GREATER NOIDA
(A NAAC Accredited Engineering College)

Department of Training and Placement-CRC

TrainingReport

NameofEvent: TrainingProgram on: OOPS with C++ Programming

Duration :90hrs (11 Days 5.30 hrs each day)

Dateof Event:19 Feb 2024 to 9 March 2024

Timing: 9:30am to 12:30pm and 1:30pm to 4:00 pm

Students Enrolled=255 (42(AIML) 188 (CSE) , 25 ECE)

OrganizedbyCRC Department with RCPL

Speaker: Mr.Rajeev Kumar Gupta, Mr. AnoopKumar Verma, Ms. Suruchi, Mr. Damodar Swami

Objective: The training objective of Object-Oriented Programming (OOP) with C++ typically revolves around equipping participants with a comprehensive understanding of the principles and practices of object-oriented programming using the C++ programming language.

ContentDelivered:

OOPS with C++ Programming (90 Hrs)			
UNIT No.	TOPIC	SUB TOPIC	Duration
1	C++ Basics		4
		Programming language	
		OOPS Programming Language	
		Features of OOPS Language	
		Introduction of C++	
		Structure of C++ Program	
		Compilation and Execution of Program	
2	Variables , Data Types and Operators		2

19/03/

Photocopy

Dated: 15 March, 2023

INTER OFFICE NOTE

To : The Secretary, ITS Engineering College
From : The Director, ITS Engineering College

The training program "OOPS with C++" for B. Tech 3rd students is conducted by trainers of Ritusha Consultants Pvt. Ltd from 19 February 2024 to 9 March 2024, the training was from 9.30 am to 12:30 pm (Morning shift) and 1.30 pm-4.30 pm (Evening Shift) for 15 days. The training is completed successfully; the summary of attendance is enclosed herewith.

You are requested to allow the payments to the trainers. The invoices are enclosed.

Mayank Garg

Trainer's Bank Account Details for ITS G.Noida Training Payment.							
Sr. No.	Account Holder Name	Account Number	IFSC Code	Bank Name	Bank Address	Amount	Pan Number
1	Nilesh Kumar Verma	57024992857	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	52,500.00	ADBPV1691E
2	Ram Pal Singh Rathore	67168524754	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	31,500.00	AFYPR6153E
3	Jeetendra Singh	67097037350	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	52,500.00	BXTPS6972A
4	Amit Jaiswal	67130171720	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	42,000.00	AJLPJ3678B
5	Rajeev Kumar Gupta	67096633660	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	126,000.00	AOLPG0497G
6	Anoop Verma	67096394187	SBIN0070606	State Bank of India	Nadri Bazar, Kanpur	31,500.00	CCAPK5535N
7	Damodar Swami	39656396101	SBIN0006703	State Bank of India	Sujangarh, Churu, Rajasthan	42,000.00	NENPS7218E
8	Suruchi Kumari	50100330681110	HDFC0001650	HDFC Bank	Motihari	42,000.00	EBRPK7449K
9	Arpit Saxena	054601510182	ICIC0007410	ICICI	Kanpur Rambagh	52,500.00	BXZPS4602K
					Total	472,500.00	

Training Details (ITS G. Noida).
Training Module - OOPS with C++ Programming
Training Days - => 15 days.
No. of Batch - 3 Batches
Rate - @ Rs. 10500/Day per Batch
Training Amount - 3*15*10500 =Rs. 4,72,500/-
Start Date - 19 Feb. 2024
End Date - 09 Mar. 2024
Target Audience - CSE, ECE, and EE 3rd Year

15/03/24

Nilesh Kumar Verma
Address: 128/161, Y-Block, Kidwai Nagar, Kanpur-208011
Mobile No.: 9335083994

Invoice No. 23-24/014

Pan No. ADBPV1691E

INVOICE

Customer

Name ITS Engineering College
Address 46, Knowledge Park 3,
City Greater Noida-201301.

Misc

Date 05-Mar-24

Sr.No.	Description	Qty	Unit Price	TOTAL
1	Training Charges for OOPS with C++ Programming Training			INR 52,500.00

RECEIVED THROUGH ONLINE PAYMENT
Sign
20/03/24
1014 ₹47250/-

Amount in words :	Rs. Fifty Two Thousand Five Hundred Only.	SubTotal	INR 52,500.00
		TOTAL	INR 52,500.00

Bank Details
Account Name: Nilesh Kumar Verma
Bank Name: State Bank of India
Account Number: 57024992857
IFSC Code: SBIN0070006
Branch: Nadri Bazar, Swaroop Nagar, Kanpur

Nilesh Kumar Verma

Plz. Proceed for payment
16/3/24

Clayam
15/03/24.

Anoop Verma
Address: 675 Ayodhya Puri, Nirala Nagar, Raebareli-229001
Mobile No.: 9453020048

Invoice No. 23-24/013

Pan No. CCAPK5535N

INVOICE

Customer

Name ITS Engineering College
Address 46, Knowledge Park 3,
City Greater Noida-201301.

Misc

Date 05-Mar-24

Sr.No.	Description	No. of Students	Unit Price	TOTAL
1	Training Charges for OOPS with C++ Programming Training			INR 31,500.00

APPROVED IN ZOHO
FOR ON LINE PAYMENT
Sign.....
Date 20/03/24
S.No. 1017 Amount Rs. 28350/-

Amount in words :	Rs. Thirty One Thousand Five Hundred Only.	SubTotal	INR 31,500.00
		TOTAL	INR 31,500.00

Bank Details
Account Name: Anoop Verma
Bank Name: State Bank of India
Account Number: 67096394187
IFSC Code: SBIN0070606
Branch: Nadri Bazar, Swaroop Nagar, Kanpur

No. Proceed for payment.
16/3/24

Anoop Verma
Anoop Verma

Payment
15/03/24

Jeetendra Singh
Address: 47-48 Harihar Nagar, Indira Nagar, Lucknow - 226016
Mobile No.: 8299233087

Invoice No. 23-24/014

Pan No. BXTPS6972A.

INVOICE

Customer

Name: ITS Engineering College
Address: 46, Knowledge Park 3,
City: Greater Noida-201301.

Misc

Date: 05-Mar-24

Sr.No.	Description	No. of Students	Unit Price	TOTAL
1	Training Charges for OOPS with C++ Programming Training			INR 52,500.00

20/03/24
1016
47250/-

Amount in words: Rs. Fifty Two Thousand Five Hundred Only.

SubTotal	INR 52,500.00
TOTAL	INR 52,500.00

Bank Details
Account Name: Jeetendra Singh
Bank Name: State Bank of India
Account Number: 67097037350
IFSC Code: SBIN0070606
Branch: Nadri Bazar, Swaroop Nagar, Kanpur

Jeetendra Singh
Jeetendra Singh

Pl. process for payment.
16/3/24
15/03/24

Arpit Saxena
Address: 106/179, Gandhi Nagar, R.K. Nagar, Kanpur-208012.
Mobile No.: 9919778626

Invoice No. 23-24/007

Pan No. BXZPS4602K

INVOICE

Customer

Name ITS Engineering College
Address 46, Knowledge Park 3,
City Greater Noida-201301.

Misc

Date 05-Mar-24

Sr.No.	Description	Month/Days	Unit Price	TOTAL
1	Training Charges for OOPS with C++ Programming Training			INR 52,500.00

20/03/24
1015 47250/-

Amount in words :	Rs. Fifty Two Thousand Five Hundred Only.	
	SubTotal	INR 52,500.00
	TOTAL	INR 52,500.00

Bank Details
Account Name: Arpit Saxena
Bank Name: ICICI Bank
Account Number: 054601510182
IFSC Code: ICIC0007410
Branch: Kanpur Rambagh

Arpit Saxena
Arpit Saxena

Ok. Proceed for payment.
16/3/24

15/03/24

RCPL Training Attendance Summary from 19 Feb to 9 Mar24

S No	Branch	Section	Date / Total Counts	19-Feb		20-Feb		21-Feb		22-Feb		23-Feb		26-Feb		27-Feb		28-Feb		29-Feb		01-Mar		04-Mar		05-Mar		06-Mar		07-Mar		09-Mar	
				M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E	M	E
1	CSE	A	63	48	49	51	50	51	51	50	49	47	46	44	44	49	49	50	50	50	49	46	46	45	44	45	43	45	45	45	45	45	38
2		B	64	51	53	49	52	51	47	51	50	50	52	48	48	47	48	54	52	51	47	52	50	49	48	44	44	45	45	45	45	41	41
3		C	61	55	53	50	54	50	50	53	54	45	44	50	53	52	49	53	55	53	45	50	45	50	44	47	47	45	47	38	38	34	34
4	AIML		42	34	35	35	35	37	39	38	38	38	35	37	34	36	36	38	38	39	38	36	34	38	40	37	38	36	36	38	38	35	35
5	ECE		25	14	14	16	16	16	17	17	17	17	17	18	18	18	18	15	16	17	17	17	17	19	19	19	20	18	18	18	18	15	15
Total			255	202	204	201	207	205	204	209	208	197	194	197	197	202	200	210	211	210	196	204	192	201	195	192	192	189	191	184	184	170	163

Feedback of OOPS with C++ Training

Feedback on 19 February 24 of OOPS with C++			
Total Responded	113	%	Remark
Excellent (40 to 3:))	36	31.85841	
Good (32 to 25)	40	35.39823	
Average (24 to 17	25	22.12389	
Below Average (16 to 9)	6	5.309735	
Poor(1 to 8)	6	5.309735	

Feedback on 23 February 24 of OOPS with C++			
Total Responded	141	%	Remark
Excellent (40 to 3:))	49	43.36283	
Good (32 to 25)	60	53.09735	
Average (24 to 17	29	25.66372	
Below Average (16 to 9)	2	1.769912	
Poor(1 to 8)	1	0.884956	

Feedback on 3 March 24 of OOPS with C++			
Total Responded	63	%	Remark
Excellent (40 to 3:))	22	19.47	
Good (32 to 25)	23	20.35	
Average (24 to 17	13	11.5	
Below Average (16 to 9)	4	3.54	
Poor(1 to 8)	1	0.88	

Feedback on 5 March 24 of OOPS with C++			
Total Responded	155	%	Remark
Excellent (40 to 3:)	53	46.9	
Good (32 to 25)	62	54.87	
Average (24 to 17	30	26.55	
Below Average (16 to 9)	7	6.19	
Poor(1 to 8)	3	2.65	

Feedback on 9 March 24 of OOPS with C++			
Total Responded	111	%	Remark
Excellent (40 to 3:))	39	34.51	
Good (32 to 25)	43	38.05	
Average (24 to 17	26	23.01	
Below Average (16 to 9)	3	2.65	
Poor(1 to 8)	0	0	

15/03/24

ENGINEERING COLLEGE
GREATER NOIDA | SINCE 2006

I.T.S ENGINEERING COLLEGE

(NAAC ACCREDITED)
UNIT OF DURGA CHARITABLE TRUST
46 KNOWLEDGE PARK III GREATER NOIDA, UTTAR PRADESH-201308
PHONE: 0120-2331000 | FAX: 0120-2331037
EMAIL: ENGG.GN@ITS.EDU.IN | WEBSITE: WWW.ITSENGG.EDU.IN

Dated: 19th December, 2023

INTER OFFICE NOTE

To : The Secretary, ITS Engineering College
From : The Director, ITS Engineering College

Subject: Conducting Coding training by outside agency for placements by Rituusha Consultants Pvt. (RCPL) for B.ech- 2nd Year and 3rd Year students.

This is in continuation of previous year training program; we want to conduct the training the program to train the students of B. Tech 1st, 2nd & 3rd Years for professional programming skills for the session 2023-24. The program name for II Year will be "Competitive Programming" and for III Year will be "Advance Competitive Programming".

Trainer remuneration: Rs 10,500 per batch + 18% GST* (Old negotiated Charges). per day.
Payment Mode: RTGS (If paid to individual Trainers, No GST will be charged)

Plan for professional programming skills for I to III Year Students.

#	Training Module	Hours	Pre-requisites	Batch 2023-27	Batch 2022-26	Batch 2021-25
1	Adv. C Programming	60 Hours	Basic Programming	Between II & III Sem	III Sem	Done
2	OOPS with C++ Programming	90 Hours	C Prog.	III Sem	IV Sem	VI Sem
3	DSA with C	60 Hours	C-Prog.	IV Sem	V Sem	Included with Module 4
4	DSA with C/C++	90 Hours	C/C++	V Sem	VI Sem	After VI Sem (120 Hrs)
5	PSA with DSA	90 Hours	DSA with C/C++	VI Sem	After VI Sem	Time constraint
6	Aptitude & Reasoning	60 Hours		After VI Sem	After VI Sem	After VI Sem
6	PPP - Placement Preparatory Program	130 Hours	C.C++.DSA.SOI	Time constraint		

Note: Aptitude & Reasoning Training will be conducted by separate agency.

Attendance to be provided by Head of the Department to CRC.

Time can be extended as per the student's feedback and requirements.
Requesting you to kindly approve, so that the process could be streamlined as per our current requirement.

Dr. Mayank Garg 23/12/23
Director

* Estimated total expense of training enclosed.

Budget for Training for II & III Year Students for the session

#	Training Module	Hours	Pre-requisites	Batch 2023-27	No. of Batches	Batch 2022-26	No. of Batches	Batch 2021-25	No. of Batches	No. of Days	Cost (BxDxRate)
1	Adv. C Programming	60 Hours	Basic Programming	Between I & III		III Sem (4)	4	Done		11	462000
2	OOPS with C++	90 Hours	C Prog.	III Sem		IV Sem (4)	4	VI Sem (3)	3	15	1102500
3	DSA with C	60 Hours	C Prog.	IV Sem		V Sem		Included with Module -4			
4	DSA with C/C++	120 Hours	C/C++	V Sem		VI Sem		After VI Sem	3	20	630000
5	PSA with DSA	90 Hours	DSA with C/C++	VI Sem		After VI Sem		Time constraint			
6	Aptitude & Reasoning	60 Hours		After VI Sem		After VI Sem		After VI Sem (3)	3	8	144000
						Total Estimated Cost for the Year 2023-24					2338500

23/12/23

23/12/23

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ITS Placement <crc_itsecgn@its.edu.in>

Skill Bout - Attendance Sheet_ Placed / Unplaced Details: Commencement of Phase 3 training for Unplaced students.

1 message

Shalini Khatri <shalini.khatri@its.edu.in> Fri, Jan 21, 2022 at 11:39 AM
To: Roshan K S <roshan@skillbout.com>
Cc: BK Arora <bkarora@its.edu.in>, Director Engg <dir.engg@its.edu.in>, "Dr. Ashish Kumar" <hod.cse@its.edu.in>, "Prof.Monika Jain" <hod.ece@its.edu.in>, "Mr. Abhishek Shivhare" <abhishekshivhare@its.edu.in>, "Dr. Sandeep Kumar" <sandeepkumarjp@its.edu.in>, Prabhakar Sharma <prabhakarsharma@its.edu.in>, Navneet Kumar <navneetchaudhary@its.edu.in>, ITS Placement <crc_itsecgn@its.edu.in>

Dear Roshan Sir,

As discussed with you on call, please find enclosed the summary of Phase 1 and Phase 2 attendance that was conducted by you.

As discussed, we are looking forward to initiating **Phase 3 training that is the final phase of Training for our unplaced students w.e.f 1st February 2022 (Tuesday) virtually.**

You are requested to kindly go through the data and provide the training to the unplaced students so that everyone gets placed by the end of February 2022.
- You are requested to kindly devote your attention towards the students who have dedicatedly attended your session but are still unplaced.
- We aim at closing all the offers for the unplaced students also at the earliest. Let's together contribute towards 100% offers to all the students.
- Also, you are requested to connect with the ones who have not attended your session and apprise us if they are really interested to take up offers or not.Rest formalities would be taken care by the respective department. We need to put all our attention to the ones interested.

At the same time you are requested to kindly share an invoice for 30% of your payment that needs to be made by the institute as 50% students who were enrolled for the training have been placed.

The Remaining 40% will be released post Phase 3 training.

For any query you may kindly reach back to us.

Best Wishes!
Shalini Khatri
Head CRC

ITS Engineering College
46, Knowledge park-III, Greater Noida- 201310
Ph: 0120- 2331000, 2331001
Connect with us:-

Skill Bout - Attendance Sheet.xlsx
37K

Skill Bout Proposal for B.Tech (2022) Batch (Aptitude + Technical Training): Aptitude (Rs 800/-) & Technical(Rs 1700/-) exclusive of GST. Actual Cost per student (Rs 2500/-) + GST

Point no. 6 (partially) & Point No. 7 (fully) covered Ref:- T&P Budget [2.5 + 37]

Aptitude + Technical Training Consents and Cost Summary

Categories	CSE	ECE	Total	Yes to training	No to training	Not responded	Scholarships	Training cost	College's part	Students' part
A	34	10	44	43	1	0	100%	107500	107500	0
B	81	30	111	106	1	4	50%	265000	132500	132500
C	26	10	36	35	0	1	25%	87500	21875	65625
D	32	7	39	28	0	11	0%	70000	0	70000
Total:	173	57	230	212	2	16	Grand Total:	530000	261875	268125

Further, the following conditions are also applicable to the students to avail scholarship for this Aptitude + Technical training:
If the category A students fail to maintain minimum 80% attendance, they will have to bear the complete training cost.
If the category B, C & D students maintain minimum 80% attendance, the institute would refund the training cost paid by the respective student.

Service Fee:

- "Skill Bout Professional services" shall be entitled to receive a total amount of: INR 2500 + GST(as per government rule) per

Payment terms and condition

- **The First 30 % of Billed will made before the start of the training** ✓ Complete.
- **Next 40% of the Billed amount should be released by end of training**
- **The remaining 30 % of the amount should be released once 50 % of enrolled students gets will have at least 1 offer in the hand (either during on-campus or off-campus interview)** ✓
- **The consultant would contiue giving training untill all registered get student get placed.**
- The Consultant shall, at all times, comply with the applicable requirements of the Goods and Services Tax Act, 2017 as in force.
- In the event of any non-compliance of the provisions of Goods and Services Tax Act, 2017 by the Consultant, the Client hereby undertakes to indemnify Skill bout without limitation, for any loss of eligible input tax credit for non-payment and any penalties or fines incurred by Skill bout.

Skillbout Technical and Aptitude Training @ ITS ENGINEERING COLLEGE - Phase 1															
	Date														
Batch 1	4/1/2021	4/2/2021	4/3/2021	4/4/2021	4/5/2021	4/6/2021	4/7/2021	4/8/2021	4/9/2021	4/10/2021	4/11/2021	4/12/2021	4/13/2021	4/14/2021	4/15/2021
Time															
Morning Batch - (9 AM - 12 PM)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Afternoon Batch -(1:30 PM - 4:30 PM)	Quant aptitude	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Logical Reasoning	Logical Reasoning	Logical Reasoning	Logical Reasoning	Logical Reasoning

	Date														
Batch 2	4/1/2021	4/2/2021	4/3/2021	4/4/2021	4/5/2021	4/6/2021	4/7/2021	4/8/2021	4/9/2021	4/10/2021	4/11/2021	4/12/2021	4/13/2021	4/14/2021	4/15/2021
Time															
Morning Batch - (9 AM - 12 PM)	Quant aptitude	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Quant	Logical Reasoning	Logical Reasoning	Logical Reasoning	Logical Reasoning	Logical Reasoning
Afternoon Batch -(1:30 PM - 4:30 PM)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Module	Number of session	Number of hour
C Programming(C)	15 ✓	45 hours
Quantitative	10 ✓	30 hours
Logical	5 ✓	15 hours
Total	30	90 hours

Skillbout Technical and Aptitude Training @ ITS ENGINEERING COLLEGE - Phase 2											
	Date										
Batch 1	7/5/2021	7/6/2021	7/7/2021	7/8/2021	7/9/2021	7/10/2021	Sunday	7/12/2021	7/13/2021	7/14/2021	7/15/2021
Time											
Morning Batch - (9 AM - 12 PM)	DS	DS	DS	DS	DS	DS		DS	DS	DS	DS
Afternoon Batch - (1:30 PM - 4:30 PM)	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability		Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability

	Date										
Batch 2	7/5/2021	7/6/2021	7/7/2021	7/8/2021	7/9/2021	7/10/2021	Sunday	7/12/2021	7/13/2021	7/14/2021	7/15/2021
Time											
Morning Batch	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability		Verbal Ability	Verbal Ability	Verbal Ability	Verbal Ability
Evening Batch	DS	DS	DS	DS	DS	DS		DS	DS	DS	DS

Module	Number of session	Number of hour
Data Structure	10	30 hours
Verbal Aptitude	10	30 hours
Total	**20**	**60 hours**

Skillbout Technical and Aptitude Training @ ITS ENGINEERING COLLEGE - Phase 3

	Date												
Batch 1	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Time													
Morning Batch - (9 AM - 12 PM)	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Prog Skill	Technical interview	Technical interview	Technical Interview
Afternoon Batch -(1:30 PM - 4:30 PM)	Interview skills	Interview skills	Resume writing	GD	Communicatio n skills	Quantitative Aptitude	Quantitative Aptitude	Quantitative Aptitude	logical Reasoning	Logical reasoning	Company specific model paper	Company specific model paper	Company specific model paper

	Date												
Batch 2	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Time													
Morning Batch - (9 AM - 12 PM)	Programmi ng Skill	Programmin g Skill	Programmin g Skill	Programm ing Skill	Programming Skill	Programming Skill	Programming Skill	Programming Skill	Programming Skill	Programming Skill	Technical interview	Technical interview	Technical Interview
Afternoon Batch -(1:30 PM - 4:30 PM)	Interview skills	Interview skills	Resume writing	Group Discussion	Communicatio n skills	Quantitative Aptitude	Quantitative Aptitude	Quantitative Aptitude	logical Reasoning	Logical reasoning	Company specific model paper	Company specific model paper	Company specific model paper

	Module	Number of session in Batch 1	Number of hrs for Batch 1	Number of session in Batch 2		Number of hrs for Batch 2	
Note: This 13 days of Training days Before day 1 company	Programming skills	13	39 hours				
	Quantitative Aptitude	3	9 hours				
	Logical Reasoning	2	6 hours				
	Soft-Skills	5	15 hours				
	Total	23	78 hours				

Skill Bout Professional Services
Bangalore 560066
9731445858
info@skillbout.com
www.skillbout.com

Reg No:5/86/CE/0094/2019

Date : 04-08-2022

Memorandum of Understanding & MUTUAL NON-DISCLOSURE AGREEMENT

This Memorandum of Understanding is made on this 04-08-2022 at Greater Noida. (Hereinafter referred to as the "Memorandum of Understanding")

Between
Skill Bout Professional Services, Bangalore 560076
Reg No:5/86/CE/0094/2020

Skillbout Professional Services % Roshan Kumar, an entity having a **Registration No.** : 5/86/CE/0094/2020, **PAN:** EDHPK3984H, **Address:** No. 529 2nd Floor, 8th Main, 6th Stage, Op. SBI, BEML Layout, SBI Bank, Thubarahalli, Bengaluru, Karnataka - 560066, **Phone No:** +91-, of the other part or referred as "contractor", "consultant", "Vendor"

AND

"ITS Engineering College" is an educational institute incorporated in India and having a registered address at 46, Knowledge Park III, Greater Noida, Uttar Pradesh 201308 of one part or referred to as Client, **Phone No:** +91-9731445858 (Hereinafter collectively referred to as "the Parties")

Whereas it is understood and agreed to that the parties to this Agreement would each like to provide the other with certain information that may be considered confidential. To ensure the information and in consideration of the agreement to exchange said information, the parties agree as follows:

1. The confidential information to be disclosed under this Agreement ("**Confidential Information**") can be described as and includes. Technical, business information, business processes concepts and methodology relating to proprietary ideas, patentable ideas and/ or trade secrets, exiting and/or contemplated products and services, research and development, production,

costs, profit and margin information, finances and financial projections, customers, clients, marketing, strategic networking, international linkages, business contacts and current or future business plans and models, regardless of whether such information is designated as "Confidential Information" at the time of its disclosure.

In addition to the above, Confidential Information shall also include, and the parties shall have a duty to protect other confidential and/ or sensitive information that is
(a) disclosed as such in writing and marked as confidential (or with other similar designation) at the time of disclosure, and/ or
(b) disclosed in any other manner and identified as confidential at the time of disclosure and is also summarized and designated as confidential in a written memorandum delivered within thirty (30) days of the disclosure.

2. The parties shall use the Confidential Information only to evaluate potential business, employment, and/ or investment relationships.

3. The parties shall limit disclosure of Confidential Information within its organization to its directors, officers, partners, members, and/ or employees having a need to know and shall not disclose Confidential Information to any third party (Whether an individual, corporation, or other entity) without prior written consent. The parties shall satisfy its obligations under this paragraph if it takes affirmative measures to ensure compliance with these confidentiality obligations by its employees, agents, consultants, and others who are permitted access to or use of the Confidential Information.

4. This agreement imposes no obligation upon the parties concerning any Confidential Information
   a. that was possessed before receipt (b) os pr becomes a matter of public knowledge through no fault of the receiving party; (c) is rightfully received from a third party not owing a duty of confidentiality; (d) is disclosed without a duty of confidentiality to a third party by, or with the authorization of the disclosing part

5. The parties warrant that they have the right to disclose this Agreement.
6. This Agreement shall not be constructed as creating, transferring, granting, or conferring upon either party any rights, license, or authority in or to the information exchanged, except the limited right to use Confidential Information specified in paragraph. Furthermore, and specified, no license or conveyance of any intellectual property rights is granted or implied by this Agreement.

7. Neither party has an obligation under this Agreement to purchase any service, goods, or intangibles from the other party. Furthermore, both parties acknowledge and agree that the exchange of information under this Agreement shall not commit or bind either party to any present or future contractual relationship (except as specifically stated herein), nor shall the exchange of information be constructed as an inducement to act or not to act in any given.

8. Neither party shall be liable to the other in any manner whatsoever for any decisions, obligations, costs or expenses incurred, changes in business practices, plans, organization, products, services, or otherwise, based on either party's decision to use or rely on any information exchanged under this Agreement.

9. If there is a branch or threatened breach of any provision of this Agreement, it is agreed and understood that the non-breaching party shall have no adequate remedy in money or other damages and accordingly shall be entitled to injunctive relief; provided, however, no specifications in this Agreement of any other remedies in the event of a breach or threatened breach of this Agreement.

10. This Agreement states the entire agreement between the parties concerning the disclosure of Confidential Information and supersedes manner any prior agreements, understandings, or representations with respect thereto. Any addition or modification to this Agreement must be made in writing and signed by authorized representatives to both parties. This Agreement is made under and shall be representatives of both parties. This Agreement is made under and shall be constructed according to the laws of India. If this agreement is breached, any disputes must be settled in a court of competent jurisdiction in Bangalore, India.

11. If any of the provisions of this Agreement are found to be unenforceable, the remainder shall be enforced as fully as possible and the unenforceable provision(s) shall be deemed modified to the limited extent required to permit enforcement of the Agreement as a whole.
12. Any breach of the local law and relating consequences shall not be the responsibility of the client.

AGREEMENT SCOPE

1. TASKS, DUTIES AND SCOPE OF WORK

The client required the Services of the Consultant's Trainer for Training Delivery on **"C language, Data structure Using C, Programming skills, Python for Mechanical & Electrical Students, General Aptitude and Soft,skills".** The training is scheduled in **3 phases.**

The **First phase** began on 23rd June 2022 to 14th July 2022 (18 days, 6hours/day = 108 hours + 1/2 day, 3 hours = Phase 1 **Total = 111 hours)**

The **Second Phase** started from 28th July till 14th August -2022 (12 days, 6hours/day) = **72 hours** (excluding holidays)

Phase III starting from 5th Sept – 13th Sept 2022 (8 days, 6hours/day) = 48 hour

Special training of Phyton Programming for Mechanical and Electrical Students will be conducted extra for 4 days (4daysx7hours = 28 hours).

The **Third Phase** will comprise of company specific training for unplaced students until they get places on request of the CRC when required, this will be apart from above mandatory training Skill bout will provide

Skill Bout shall be employed as an independent and shall provide training & materials including software and toolkits, presentations slides, specifications.

- Responsibilities for Skill Bout

a) **Providing Trainer for All Batches:**

i) Trainers would be available for all batches.

ii) Trainer would remain available & start the training delivery for every batch, without respect to number of Student Available

iii) Regular Task/Assignments/Practice would be given to students

iv) Technical Doubts & Queries would be handled.

v) Skill Bout is responsible to conduction Refresher training until all enrolled students get a job.

vi) Skill Bout will maintain the student attendance record of all the three phases.

b) Duration:

i) Minimum 230 hours of Training would be completed by Trainers

ii) Per Day - Per Batch: 6-8 Hours

c) Reference Study Material including:

i) Open-Source Tools

ii) Presentation Slides

iii) eBooks

iv) Video Contents

- Responsibilities for ITS Engineering College:

a) **Online Connectivity Training:**

i) Tools/Accounts to be provided used for Online Training Delivery

ii) Maintaining Batches in Each Account

iii) Sharing Training Link with Students

b) Offline live Training:

i) Assign a coordinator for the training

ii) Provide Accommodation and Food for the Trainer

iii) Plan travel between Delhi airport and college

c) Students Presence:

i) Maintaining compulsory attendance for Students
ii) Attendance Report should be created for each student
iii) Maintaining an adequate number of students in Training
iv) Communication with College & University for any updates

d) Service Fee:

- The payment is based on attendance of students which will be maintained by both T&P department as well as Skill Bout. Students failing to maintain less than 30% attendance will not be paid in Phase 1 or Phase 2 payment release.
- Such Students if attends any further training by Skill Bout and completes minimum 70 % attendance criteria including previous attendance college will release their payment in phase 3 along with remaining payment.

Payment will now be made in 3 phases which are as follows:

- Phase I- payment @Rs1300/student with Rs 1105 once Phase 1 is over, to be paid within 10 days with 15% retention till 60% get placed subsequent to which the remaining 15% will be released.
- Phase II- @Rs1200/student with Rs1020 after completion and the balance 15% when 60% students get placed.
- Phase III Students to be trained for specific company and students who have not opted or lack attendance at the end of training of Phase I or II will also be trained and Payment shall be made after the fulfillment remaining hours in 70 % compulsory attendance for training or placement which one will be applicable for respective students. The record of such students will be prepared by Skill Bout separately.
- The Consultant shall, at all times, comply with the applicable requirements of the Goods and Services Tax Act, 2017 as in force.
- In the event of any non-compliance of the provisions of Goods and Services Tax Act, 2017 by the Consultant, the Client hereby undertakes to indemnify Skill bout without limitation, for any loss of eligible input tax credit for non-payment and any penalties or fines incurred by Skill bout.

Training Execution Details

a) The training classes are to be practical oriented and the roles of the trainers include

i) Forming presentations and training slides and materials

ii) Making sure the students are thorough on the trained topics that day by giving assignments, projects, and other such activities

iii) Personal training approach with individual focus and interaction with students

iv) Test all hardware and installation of software on the devices and make them ready for training

v) Provide Course Topics include: (Day 1 – 35 Topic wise File shared)

b) Creation and active involvement and maintenance of a central portal to solve issues and doubts for the students

c) The said amount does include all local taxes, foreign exchange conversion charges, transfer charges.

COMMUNICATION AND NOTICE

a) All communication between client and Trainer shall be via Contractor.

b) All communication between Client and Students/College/University shall be via Client

TRADE SECRETS AFTER TERMINATION OF CONTRACT

All of the terms of the above section of this Agreement shall remain in full force and effect for three years after the termination of a contractor for any reason, and during such three-year period, the contractor shall not make or permit the making of any public announcement or statement of any kind that [he or she] was formerly assigned contract by or connected with the client.

AMENDMENT

This contract shall only be amended or modified by a written document executed by authorized representatives of the client and contractor. This contract supersedes all prior representations made by the client.

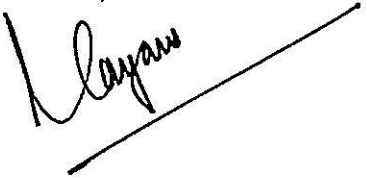
Skill Bout Professional Services

Bangalore 560066
9731445858
info@skillbout.com
www.skillbout.com

ARBITRATION

Any disputes or claims between the client and the contractor arising out of this contract shall be resolved by submission of the same within Bangalore and shall be governed by the laws of India.

THEREFORE, the parties acknowledge that they have read and understand this Agreement and voluntarily accept the duties and obligations set forth herein.

SIGNED for and on behalf of **ITS Engineering College**	Signature & Stamp : Dated : 
SIGNED for and on behalf of **Skillbout Professional Services**	Signature :   Dated : 04-08-2022

Reg No:5/86/CE/0094/2020

Skill Bout Professional Services
Bangalore 560076
9731445858
info@skillbout.com
www.skillbout.com

Ref.....

Dated: 24 March 2021

Memorandum of Understanding & MUTUAL NON-DISCLOSURE AGREEMENT
This Memorandum of Understanding is made on this 27th day of Feb 2021 at Bangalore.
(hereinafter referred to as the "Memorandum of Understanding")
Between

Skillbout Professional Services % Roshan Kumar, an entity having a Registration No. : 5/86/CE/0094/2020, PAN: EDHPK3984H, Address: No. 529 2nd Floor, 8th Main, 6th Stage, Opp. SBI, BEML Layout, SBI Bank, Thubarahalli, Bengaluru, Karnataka - 560066, Phone No: +91-9731445858, of the other part or referred as "contractor", "consultant", "Vendor"

AND

"**ITS Engineering College**" is an Educational institute incorporated in India and having a registered address at 46, Knowledge Park III, Greater Noida, Uttar Pradesh 201308 of one part or referred to as Client,
(Hereinafter collectively referred to as "the Parties") Whereas it is understood and agreed to that the parties to this Agreement would each like to provide the other withcertain information that may be considered confidential. To ensure the protection of such information and in consideration of the agreement to exchange said information, the parties agree as follows:

1. The confidential information to be disclosed under this Agreement ("Confidential Information") can be described as and includes. Technical, business information, business processes concepts and methodology relating to proprietary ideas, patentable ideas and/ or trade secrets, exiting and/or contemplated products and services, research and development, production, costs, profit and margin information, finances and financial projections, customers, clients, marketing, strategic networking, international linkages, business contacts and current or future business plans and models, regardless of whether such information is designated as "Confidential Information" at the time of its disclosure.
In addition to the above, Confidential Information shall also include, and the parties shall have a duty to protect other confidential and/ or sensitive information that is
(a) disclosed as such in writing and marked as confidential (or with other similar designation) at the time of disclosure, and/ or
(b) disclosed in any other manner and identified as confidential at the time of disclosure and is also summarized and designated as confidential in a written memorandum delivered within thirty (30) days of the disclosure.

2. The parties shall use the Confidential Information only to evaluate potential business, employment, and/ or investment relationships.

3. The parties shall limit disclosure of Confidential Information within its organization to its directors, officers, partners, members, and/ or employees having a need to know and shall not disclose Confidential Information to any third party (Whether an individual, corporation, or other entity) without prior written consent. The parties shall satisfy its obligations under this paragraph if it takes affirmative measures to ensure compliance with these confidentiality obligations by its employees, agents, consultants, and others who are permitted access to or use of the Confidential Information.

4. This agreement imposes no obligation upon the parties concerning any Confidential Information
(a) that was possessed before receipt
(b) os pr becomes a matter of public knowledge through no fault of the receiving party;
(c) is rightfully received from a third party not owing a duty of confidentiality;
(d) is disclosed without a duty of confidentiality to a third party by, or with the authorization of the disclosing party; or
(e) is independently developed.

5. The parties warrant that they have the right to disclose this Agreement.

6. This Agreement shall not be constructed as creating, transferring, granting, or conferring upon either party any rights, license, or authority in or to the information exchanged, except the limited right to use Confidential Information specified in paragraph Furthermore and specified, no license or conveyance of any intellectual property rights is granted or implied by this Agreement.

7. Neither party has an obligation under this Agreement to purchase any service, goods, or intangibles from the other party. Furthermore, both parties acknowledge and agree that the exchange of information under this Agreement shall not commit or bind either party to any present or future contractual relationship (except as specifically stated herein), nor shall the exchange of information be constructed as an inducement to act or not to act in any given manner.

8. Neither party shall be liable to the other in any manner whatsoever for any decisions, obligations, costs or expenses incurred, changes in business practices, plans, organization, products, services, or otherwise, based on either party's decision to use or rely on any information exchanged under this Agreement.

Reg No:5/86/CE/0094/2020

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info@skillbout.com
www.skillbout.com

Ref.....

220

Dated: 24 March 2021

9. If there is a branch or threatened breach of any provision of this Agreement, it is agreed and understood that the non-breaching party shall have no adequate remedy in money or other damages and accordingly shall be entitled to injunctive relief; provided, however, no specifications in this Agreement of any other remedies in the event of a breach or threatened breach of this Agreement.

10. This Agreement states the entire agreement between the parties concerning the disclosure of Confidential Information and supersedes any prior agreements, understandings, or representations with respect thereto. Any addition or modification to this Agreement must be made in writing and signed by authorized representatives to both parties. This Agreement is made under and shall be representatives of both parties. This Agreement is made under and shall be constructed according to the laws of India. If this agreement is breached, any disputes must be settled in a court of competent jurisdiction in Bangalore, India.

11. If any of the provisions of this Agreement are found to be unenforceable, the remainder shall be enforced as fully as possible and the unenforceable provision(s) shall be deemed modified to the limited extent required to permit enforcement of the Agreement as a whole.

. Any breach of the local law and relating consequences shall not be the responsibility of the client.

AGREEMENT SCOPE

1. **TASKS, DUTIES AND SCOPE OF WORK**

The client required the Services of the Consultant's Trainer for Training Delivery on "C language, Data structure Using C, Programming skills,General Aptitude and Softskills "

A. Batch Start Date: 1st, April 2021

B. Per Batch Details

Duration of Training : 38 days

Per Day Duration : 6 – 8 Hours

C. **Mode of Training** : Offline Live class

D. **Batch Timings** : 9: 00 AM - 05:00 PM IST

E. **Total No. of Batches**: 2 (Two)

No. of Trainer Required from Skill Bout: 02 Trainers (Two)

Skill Bout shall be employed as an independent and shall provide training & materials including software and toolkits, presentations slides,

A) **Responsibilities for Skill Bout.**

a) Providing Trainer for All Batches :

i) 2 Trainers would be available for all batches.

ii) Trainer would remain available & Start the training delivery for every batch, without respect to number of Student Available

iii) Regular Task/Assignments/Practice would be given to students

iv) Technical Doubts & Queries would be handled.

v) Skill Bout is responsible to conduction Refresher training until all enrolled students gets a job.

vi) Daily attendance and monitoring

b) Duration :

i) 38 days(230 hours) of Training would be completed by Trainers

ii) Per Day - Per Batch: 6-8 Hours

c) Reference Study Material including :

i) Open Source Tools

ii) Presentation Slides

iii) E Books

iv) Video Contents

Reg No:5/86/CE/0094/2020

SKILL BOUT

Skill Bout Professional Services
Bangalore 560076
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Ref.....

Dated: 24 March 2021

B) Responsibilities for ITS Engineering College:
a) Online Connectivity Training :
i) Tools/Accounts to be provided used for Online Training Delivery
ii) Maintaining Batches in Each Account
iii) Sharing Training Link with Students
b) Offline live Training :
i) Assign a coordinator for the training
ii) Provide Accommodation and Food for the Trainer
iii) Plan travel between Delhi airport and college
c) Students Presence :
i) Maintaining compulsory attendance for Students would be the responsibility of both institute & the training vendor.
ii) Attendance Report should be created for each student
iii) Maintaining an adequate number of students in Training
iv) Communication with College & University for any updates

(d) Service Fee:

• "Skill Bout Professional services" shall be entitled to receive a total amount of: INR 2500 + GST (as per government rule) per student.
Payment terms and condition
• The First 30 % of Billed will made before the start of the training
• Next 40% of the Billed amount should be released by end of training
• The remaining 30 % of the amount should be released once 50 % of enrolled students gets will have at least 1 offer in the hand (either during on-campus or off-campus interview)
*** We shall continue to deliver training until all students get placed as per requirement of department.**

• The Consultant shall, at all times, comply with the applicable requirements of the Goods and Services Tax Act, 2017 as in force.
• In the event of any non-compliance of the provisions of Goods and Services Tax Act, 2017 by the Consultant, the Client hereby undertakes to indemnify Skill bout without limitation, for any loss of eligible input tax credit for non-payment and any penalties or fines incurred by Skill bout. e) The training classes are to be practical oriented and the roles of the trainers include
a. Forming presentations and training slides and materials
b. Making sure the students are thorough on the trained topics that day by giving assignments, projects, and other such activities
c. Personal training approach with individual focus and interaction with students
d. Test all hardware and installation of software on the devices and make them ready for training
e. Provide hands-on practical sessions
f) Course Topics include: (Day 1 – 38 Topic wise File shared)
Please Find Attached File : Training-Content-Delivery.pdf
g) Creation and active involvement and maintenance of a central portal to solve issues and doubts for the students
h) The said amount does include all local taxes, foreign exchange conversion charges, transfer charges.

Restriction for Contractor in the following circumstances:-

1. Training Material including Session Recording, Presentation Slides, Other are Strictly holding Copyrights to 2021 © Skill Bout professional services.
2. Training Material Content including Session Recording, Presentation Slides, or any other Content shall be used anywhere except the current training batch, 2022 passing out Students.
3. Training Material should not be disclosed on any Public Platform / Environment.
4. Trainer would remain available for each batch and once the batches started cannot be revoked any batches.
COMMUNICATION AND NOTICE
a) All communication between client and Trainer shall be via Contractor.
b) All communication between Client and Students/College/University shall be via Client

Reg No:5/86/CE/0094/2020

SKILL BOUT

Skill Bout Professional Services
Bangalore 560076
9731445858
info@skillbout.com
www.skillbout.com

Ref.....

Dated: 03 March 2021

TRADE SECRETS AFTER TERMINATION OF CONTRACT

All of the terms of the above section of this Agreement shall remain in full force and effect for three years after the termination of a contractor for any reason, and during such three-year period, the contractor shall not make or permit the making of any public announcement or statement of any kind that [he or she] was formerly assigned contract by or connected with the client.

AMENDMENT

This contract shall only be amended or modified by a written document executed by authorized representatives of the client and contractor. This contract supersedes all prior representations made by the client.

ARBITRATION

Any disputes or claims between the client and the contractor arising out of this contract shall be resolved by submission of the same within Bangalore and shall be governed by the laws of India.

THEREFORE, the parties acknowledge that they have read and understand this Agreement and voluntarily accept the duties and obligations set forth herein.

SIGNED for and on behalf of ITS Engineering College	Signature & Stamp : 24/3/21 Dated : Dr. B. C. Sharma Director ITS Engineering College Greater Noida
SIGNED for and on behalf of Skillbout Professional Services	Signature : Dated : 24/3/21 Skillbout Professional Bangalore 560076

Skill Bout Professional Services
Bangalore 560076
9731445858
info@skillbout.com
www.skillbout.com

Ref.....

Dated: 24 March 2021

9. If there is a branch or threatened breach of any provision of this Agreement, it is agreed and understood that the non-breaching party shall have no adequate remedy in money or other damages and accordingly shall be entitled to injunctive relief; provided, however, no specifications in this Agreement of any other remedies in the event of a breach or threatened breach of this Agreement.

10. This Agreement states the entire agreement between the parties concerning the disclosure of Confidential Information and supersedes any prior agreements, understandings, or representations with respect thereto. Any addition or modification to this Agreement must be made in writing and signed by authorized representatives to both parties. This Agreement is made under and shall be representatives of both parties. This Agreement is made under and shall be constructed according to the laws of India. If this agreement is breached, any disputes must be settled in a court of competent jurisdiction in Bangalore, India.

11. If any of the provisions of this Agreement are found to be unenforceable, the remainder shall be enforced as fully as possible and the unenforceable provision(s) shall be deemed modified to the limited extent required to permit enforcement of the Agreement as a whole.

Any breach of the local law and relating consequences shall not be the responsibility of the client.

AGREEMENT SCOPE

1. TASKS, DUTIES AND SCOPE OF WORK

The client required the Services of the Consultant's Trainer for Training Delivery on "C language, Data structure Using C, Programming skills,General Aptitude and Softskills "

A. Batch Start Date: 1st, April 2021

B. Per Batch Details

Duration of Training : 38 days

Per Day Duration : 6 – 8 Hours

C. **Mode of Training** : Offline Live class

D. **Batch Timings** : 9: 00 AM - 05:00 PM IST

E. **Total No. of Batches:** 2 (Two)

No. of Trainer Required from Skill Bout: 02 Trainers (Two)

Skill Bout shall be employed as an independent and shall provide training & materials including software and toolkits, presentations slides,

A) **Responsibilities for Skill Bout.**

a) Providing Trainer for All Batches :

i) 2 Trainers would be available for all batches.

ii) Trainer would remain available & Start the training delivery for every batch, without respect to number of Student Available

iii) Regular Task/Assignments/Practice would be given to students

iv) Technical Doubts & Queries would be handled.

v) Skill Bout is responsible to conduction Refresher training until all enrolled students gets a job.

vi) Daily attendance and monitoring

b) Duration :

i) 38 days(230 hours) of Training would be completed by Trainers

ii) Per Day - Per Batch: 6-8 Hours

c) Reference Study Material including :

i) Open Source Tools

ii) Presentation Slides

iii) E Books

iv) Video Contents

Skill Bout Profesional Services
GSTIN 29EDHPK3984H1ZZ
529, 8th main 18th main
BEML layout
Bangalore,560076
80050403391
www.skillbout.com
roshan@skillbout.com

DATE
22-03-2021
DUE DATE
26-03-2021
BALANCE DUE
INR 649,000.00

BILL TO

ITS Engineering College

ITS Engineering College, 46, Knowledge Park-III, Greater Noida- 201308
[redacted] 0120-2331000
[redacted] 0120-2331037

DESCRIPTION	RATE	QTY	AMOUNT
Campus recruitment training for 2022 Passing out students. Training will conducted in 3 phases starting from 1st of April for enrolled students of Computer science and electronic and communication students.	2,500.00	220	550,000.00
		SUBTOTAL	550,000.00
		GST (18%)	99,000.00
		TOTAL	649,000.00
		BALANCE DUE	**INR 649,000.00**

Payment Instructions

BANK TRANSFER

In favour of
M/s skillbout profesional services
Account Number: 390305000513
IFSC :ICIC0003903

DATE SIGNED
22-03-2021

Payment terms
1. First 30% of payment should be made before 30of month.
2. 2 nd installment of 40% by end of September2021.
3. Final payment of 30% of remaining when 50% of enrolled students will get placed. As per MOU terms.
4. Payment should be made by online transfer.

CRC
Process as per MOU/Contract.

25/03/2021

I.T.S ENGINEERING COLLEGE
GREATER NOIDA
(NAAC Accredited)
DEPARTMENT OF CORPORATE RESOURCE CENTRE
46, Knowledge Park-III, Greater Noida Distt. Gautam Budh Nagar (U.P.)
Phone : (0120) 2331005/06, Mob. +91 7840094642 E-mail : crchead.engg@its.edu.in
Website : http://www.its.edu.in

Date: 16/03/2022

Subject: Final Installment payment of Skill Bout (70% of total billed amount)

Dear Sir,

An MOU with Skill Bout had been signed (details enclosed) and as per the agreement the institute was liable to pay an amount of Rs. 6,49,000/-, out of which after mutually deciding the amount payable has been reduced to Rs. 5,45,750/- (including GST).

Amount already paid in the first installment was Rs. 1,71,720/- (including GST).
Total amount pending Rs. 3,74,031/ (including GST).

Requesting you kindly release an amount of Rs. 3,74,031/- at the earliest.

For your kind approval

Shalini Khatri

Head-CRC

Dr. Mayank Garg

Director

Kindly Proceed for payment.
22/3/22

APPROVED IN ZOHO
(FOR ON LINE PAYMENT)
Sign..... Sign.....
Date 22/03/22 Date.....
S. No. 113 Amount Rs. 327780/-

Invoice No. **5**
Ref. No. **5**

SUBJECT TO BANGALORE JURISDICTION

Dated **11-Mar-2022**

Skillbout Proffesional Services
18/192/CE/0368/201 529, 8 main
6th Stage,Opp. SBI Thubrahalli
BEML Layout, Bangalore 560076
India
GSTIN : 29EDHPK3984H1ZZ

GSTIN/UIN : 29EDHPK3984H1ZZ
State Name : Karnataka, Code : 29

Tax Invoice

Party : **ITS ENGINEERING COLLEGE**

State Name : Karnataka, Code : 29
PAN/IT No :
Place of Supply : Karnataka

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Amount	Taxable Value	Central Tax		State Tax		Total Amount
								Rate	Amount	Rate	Amount	
1	**Training Services on QTY**	9983	**185QTY**	NA	QTY	**3,16,975**	**3,16,975**	9%	28,528	9%	28,528	**3,74,031**
	Output CGST @ 9%					**28,528**						
	Output SGST @ 9%					**28,528**						
	Total		185 QTY			**3,74,031**	**3,16,975**		28,528		28,528	

Amount Chargeable (in words) **INR Three Lakh Seventy-Four Thousand Thirty-one Only**

E. & O.E

Remarks:
Being campus recruitment training for the 2022 passing out students. Invoice generated with 70% of the contract value.

Company's Bank Details
Bank Name : **ICICI Bank**
A/c No. : **390305000513**
Branch & IFS Code : **ICIC0003903**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature

Shalini 16/03/2022

16/03/22

for Skillbout Proffesional Services

Authorised Signatory

This is a Computer Generated Invoice

Invoice No.10
Ref. No. 10

SUBJECT TO BANGALORE JURISDICTION

Dated 29-Mar-2022

Skill Bout Professional Services
18/192/CE/0368/201 529, 8 main
6th Stage,Opp. SBI Thubrahalli
BEML Layout, Bangalore 560076
India
GSTIN : 29EDHPK3984H1ZZ

GSTIN/UIN : 29EDHPK3984H1ZZ
State Name : Karnataka, Code : 29

Tax Invoice

Party : **ITS ENGINEERING COLLEGE**

State Name : Karnataka, Code : 29
PAN/IT No :
Place of Supply : Karnataka

Sl No.	Description of Goods	Quantity	Rate	per	Amount	Taxable Value	Central Tax		State Tax		Total Amount
							Rate	Amount	Rate	Amount	
1	**Training Services on QTY**	**185QTY**	NA	QTY	**171720**						**171720**
	Total	185 QTY			**171720**						

Amount Chargeable (in words) **INR One Lakh seventy one thousand seven hundred twenty.**

E. & O.E

Remarks:
Being campus recruitment training for the 2022 passing out students. Invoice generated with 70% of the contract value.

Company's Bank Details
Bank Name : **ICICI Bank**
A/c No. **390305000513**
Branch & IFS Code : **ICIC0003903**

Amount adjusted, Rs ... as Advance

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature

31/03/2022

31/03/2022

for Skillbout Proffesional Services

Authorised Signatory

This is a Computer Generated Invoice

Invoice No. **150**
Ref. No. **150**

SUBJECT TO BANGALORE JURISDICTION

Dated
02-Jan-2023

Skillbout Proffesional Services
18/192/CE/0368/201 529, 8 main
6th Stage,Opp. SBI Thubrahalli
BEML Layout, Bengaluru 560076
India
GSTIN : 29EDHPK3984H1ZZ

APPROVED IN ZOHO
(FOR ON LINE PAYMENT)

Sign.....Sign.....
Date.....Date.....
S. No.....Amount As.....

Tax Invoice

Party: **ITS Engineering College**
46, Knowledge Park III, Greater Noida,
Uttar Pradesh 201310
Phone: 085100 10840

Ref. No. 150

02-Jan-2023

Sl No.	Description of Services	HSN/SAC	No. of Students	Rate	Per	Amount	Taxable Value	Central Tax		State Tax		Total Amount
								Rate	Amount	Rate	Amount	
1	**Training Services**	NA	**165**	**1300**	student	**2,14,500**	2,14,500	NA	NA	NA	NA	2,53,110
	Output CGST @ 18%			18%		**38,610**						
	Total		**165**			**2,53,110**	2,14,500		NA		NA	

Amount Chargeable (in words) **INR Two Lakh Fifty Three Thousand One Hundred Ten Rupees Only**

E. & O.E

Remarks:
Being Services of Campus Recruitment Training to the final year students of ITS Engineering College

Company's Bank Details
Bank Name : **ICICI Bank**
A/c No. **390305000513**
Branch & IFS Code : **ICIC0003903**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.
Customer's Seal and Signature

for Skillbout Proffesional Services

Authorised Signatory

This is a Computer Generated Invoice

Digitally signed by ROSHAN KUMAR
Date: 2023.01.25 14:13:36 +05'30'

Also
Ele. Process
for
Payment.
Date
31/1/23

Secretary Sir,
Kindly allow 85% payment i.e. Rs 182325.00 of Rs 214500.00. Wish the remaining ~~60~~ 15% of payment will be released after 60% placement is achive out of 165 students

27/01/23

Invoice No. **151**
Ref. No. **151**

SUBJECT TO BANGALORE JURISDICTION

Dated
02-Jan-2023

Skillbout Proffesional Services
18/192/CE/0368/201 529, 8 main
6th Stage,Opp. SBI Thubrahalli
BEML Layout, Bengaluru 560076
India
GSTIN : 29EDHPK3984H1ZZ

APPROVED IN ZOHO
(FOR ON LINE PAYMENT)

Sign.....Sign.....
Date. .....Date.....
S No..... ...Amount Rs.....

Tax Invoice

Party: **ITS Engineering College**
46, Knowledge Park III, Greater Noida,
Uttar Pradesh 201310
Phone: 085100 10840

Ref. No. 151

02-Jan-2023

Sl No.	Description of Services	HSN/SAC	No. of Students	Rate	Per	Amount	Taxable Value	Central Tax		State Tax		Total Amount
								Rate	Amount	Rate	Amount	
1	**Training Services**	NA	**77**	**1200**	**student**	**92,400**	92,400	NA	NA	NA	NA	1,09,032
	Output CGST @ 18%			18%		**16,632**						
	Total		**77**			**1,09,032**	92,400		NA		NA	

Amount Chargeable (in words) **INR One Lakh Nine Thousand Thirty Two Rupees Only**

E. & O.E

Remarks:
Being Services of Campus Recruitment Training to the final year students of ITS Engineering College

Company's Bank Details
Bank Name : **ICICI Bank**
A/c No. **390305000513**
Branch & IFS Code : **ICIC0003903**

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.
Customer's Seal and Signature

for Skillbout Proffesional Services

Authorised Signatory

This is a Computer Generated Invoice

Digitally signed by ROSHAN KUMAR
Date: 2023.01.25 14:38:56 +05'30'

Ms. Proceed for payment 31/1/23

Secretary Sir,
Kindly allow 85% payment i.e Rs 78540.00 of Rs 92400.00. The raining payment will be release after 60% placement is achived out of 77 students.

Mayank 27/01/23