

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 components.	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 extant	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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ITS Engineering College
Greater Noida




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 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			
			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 AT Mega 2560 upto certain extent.	Able to design a system using Firebird AT Mega 2560 but not upto the mark.	Able to design a system using Firebird AT Mega 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 programming and 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.				

I.T.S Engineering College, Greater Noida
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			
			Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	>75% (Y/N)	Marks	Grade	Marks	>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	CHE TAN 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	SHAH RUKH 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	
CO 4	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	


 Head of Department
 ITS Engineering College
 Greater Noida

 Professor
 Shrivastava

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Rubrics of Software Testing Lab

- CO1: To apply software testing techniques for information systems development.
 CO2: To test and enhance the correctness of existing systems using different software testing techniques.
 CO3: To test any software manually.
 CO4: To test websites by using selenium automation testing tools.
 CO5: To face the interviews on software testing on basic and intermediate level

Weight age of Project work Internal Assessment

Review	Agenda	5 th Sem.	6 th Sem.	Assessment	Review Assessment Weightage	CO Covered
R1	Concept of software development and testing	20	0	Rubric 1	20	CO1
R 2	Concept of Software Testing Techniques	20	0	Rubric 2	20	CO2
R3	Concept of Advance Manual Testing	0	20	Rubric 3	20	CO3 & CO4
R4	Apply Automation Testing	0	20	Rubric 4	20	CO3 & CO4
R5	Development on Basic and intermediate level	0	20	Rubric 5	20	CO5
Total		40	60		100	

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Evaluation weightages of each CO through the design of rubrics

CO number	CO1	CO2	CO3	CO4	CO5
Marks allotted to the COs through the rubrics (Max. 100)	20	20	20	20	20

Rubric #R1: Concept of software development and testing
Maximum Marks (20)

		Excellent (9-10)	Good (7-8)	Average (5-6)	Acceptable (0-4)
(a)	Understanding of software development and testing	Detailed and extensive explanation of software development and testing	Good explanation of software development and testing	Average explanation of software development and testing	Moderate explanation of software development and testing
(b)	MCQ Internal Test based on Basic knowledge of software development and testing	Score of MCQ Test achieved between 9-10 based on Basic knowledge of software development and testing	Score of MCQ Test between 7-8 based on Basic knowledge of software development and testing	Score of MCQ Test between 5-6 based on Basic knowledge of software development and testing	Score of MCQ Test between 0-4 based on Basic knowledge of software development and testing

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Rubric #R2: Concept of Software Testing Techniques
Maximum Marks (20)

		Excellent (9-10)	Good (7-8)	Average (5-6)	Acceptable (0-4)
(a)	Understanding of Manual and Automation Testing	Detailed and extensive explanation of Manual & Automation Testing	Good explanation of Manual & Automation Testing	Average explanation of Manual & Automation Testing	Moderate explanation of Manual & Automation Testing
(b)	Mock Test 1 based on detailed knowledge of software testing techniques	Score of Mock Test 1 achieved between 9-10 based on detailed knowledge of software testing techniques	Score of Mock Test 1 achieved between 7-8 based on detailed knowledge of software testing techniques	Score of Mock Test 1 achieved between 5-6 based on detailed knowledge of software testing techniques	Score of Mock Test 1 achieved between 0-4 based on detailed knowledge of software testing techniques

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Rubric #R3: Concept of Advance Manual Testing
Maximum Marks (20)

		Excellent (18-20)	Good (15-17)	Average (10-14)	Acceptable (0-9)
(a)	Quiz to test the advance concepts of testing	Score of Quiz achieved between 4 to 20 based on knowledge of advance concept of testing	Score of Quiz achieved between 3 to 3.9 based on knowledge of advance concept of testing	Score of Quiz achieved between 2 to 2.9 based on knowledge of advance concept of testing	Score of Quiz achieved between 1 to 1.9 based on knowledge of advance concept of testing

Rubric #R4: Apply Automation Testing.
Maximum Marks (20)

		Excellent (18-20)	Good (15-17)	Average (10-14)	Acceptable (0-9)
(a)	Quiz to test the Knowledge of Software testing tool	Score of Quiz achieved between 4 to 20 based on knowledge of software testing tool	Score of Quiz achieved between 3 to 3.9 based on knowledge of software testing tool	Score of Quiz achieved between 2 to 2.9 based on knowledge of software testing tool	Score of Quiz achieved between 1 to 1.9 based on knowledge of software testing tool

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Rubric #R5: Development on Basic and intermediate level
Maximum Marks (20)

		Excellent (18-20)	Good (15-17)	Average (10-14)	Acceptable (0-9)
(a)	Quiz For placements for QA or SOFTWARE TESTER	Score of Quiz achieved between 4 to 20 based on question related to placement for QA or Software Tester	Score of Quiz achieved between 3 to 3.9 based on question related to placement for QA or Software Tester	Score of Quiz achieved between 2 to 2.9 based on question related to placement for QA or Software Tester	Score of Quiz achieved between 1 to 1.9 based on question related to placement for QA or Software Tester

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Final Calculation for CO attainment:

Internal assessment weightage: 100%

*Internal assessment process is given above

*Consider min. 75% marks criterion as an attainment for a student

5th Sem.

Review-1

Review-2

6th Sem.

Review-3

Review-4

Review-5

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 Director
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Value Added Course Record (Internal Trainings)

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

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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
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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I.T.S ENGINEERING COLLEGE GREATER NOIDA

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NPTEL Students Data

2016-17

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Introduction to Operating Systems		2017	1	8 WEEKS	48	25
Introduction to Psychology		2017	1	8 WEEKS	13	6
Design and Analysis of Algorithms	noc17-cs09	2017	1	12 WEEKS	19	9
Embedded Systems Design	noc17-cs05	2017	1	12 WEEKS	4	3

2017-18

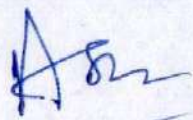

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Fundamental of Database System	noc17-cs33	2018	1	12 WEEKS	16	14
Introduction to Operating Systems	noc17-cs29	2018	1	12 WEEKS	28	19
Introduction to Programming in C	noc17-cs43	2018	1	8 WEEKS	2	2
Programming in C++	noc17-cs24	2018	1	8 WEEKS	2	1
Software Testing	noc17-cs32	2018	1	8 WEEKS	1	1
Introduction to Modern Application Development	noc18-cs03	2018	1	8 WEEKS	1	1
Database Management System	noc18-cs15	2018	1	8 WEEKS	3	3
Design and Analysis of Algorithms	noc18-cs20	2018	1	8 WEEKS	2	2
Programming, Data Structures and Algorithms using Python	noc18-cs21	2018	1	8 WEEKS	1	1
Programming, Data Structures and Algorithms using C	noc18-cs25	2018	1	8 WEEKS	10	10

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2018-19						
Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Artificial Intelligence : Search Methods For Problem solving	noc18-cs51	2019	1	12 WEEKS	20	4
Cloud Computing	noc18-cs44	2019	1	8 WEEKS	2	2
Data Base Management Systems	noc18-cs36	2019	2	12 WEEKS	25	24
Introduction to Internet of Things	noc18-cs46	2019	1	8 WEEKS	1	1
Introduction to Programming in C	noc18-cs33	2019	1	8 WEEKS	4	4
Problem Solving through Programming in C	noc18-cs31	2019	1	8 WEEKS	2	2
Programming in C++	noc18-cs32	2019	1	8 WEEKS	2	2
Programming, Data Structures and Algorithms using Python	noc18-cs34	2019	1	8 WEEKS	2	2
Software testing	noc18-cs42	2019	1	8 WEEKS	3	3
Compiler Design	noc19-cs01	2019	1	12 WEEKS	4	4
Discrete Mathematics	noc19-cs05	2019	1	8 WEEKS	1	1
Problem solving through Programming In C	noc19-cs06	2019	1	12 WEEKS	10	10
Programming in Java	noc19-cs07	2019	1	12 WEEKS	16	16
Programming, Data Structures and Algorithms using Python	noc19-cs08	2019	1	8 WEEKS	2	1
Programming In C++	noc19-cs10	2019	1	8 WEEKS	5	4
Data Base Management System	noc19-cs12	2019	2	8 WEEKS	4	4
Cloud Computing	noc19-cs27	2019	1	8 WEEKS	1	1
Introduction to Internet of Things	noc19-cs31	2019	1	12 WEEKS	37	35
Introduction to Programming in C	noc19-cs33	2019	1	8 WEEKS	1	1
Introduction to Internet of Things	noc19-cs31	2019	1	12 WEEKS	8	8
Joy of computing using Python	noc19-cs09	2019	1	12 WEEKS	1	1
Problem solving through Programming In C	noc19-cs06	2019	1	12 WEEKS	2	2



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2019-20						
Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
The Joy of Computing using Python - Online	noc19-cs41	2019	1	12 WEEKS	12	11
Introduction to Programming in C	noc19-cs42	2019	1	8 WEEKS	3	2
Problem Solving through Programming in C - Online	noc19-cs43	2019	1	8 WEEKS	2	1
Data Base Management System	noc19-cs46	2019	2	12 WEEKS	2	2
Operating System Fundamentals - Online	noc19-cs51	2019	1	8 WEEKS	3	1
Python for Data Science - Online	noc19-cs59	2019	1	8 WEEKS	1	1
Cloud Computing - Online	noc19-cs64	2019	1	12 WEEKS	16	13
Introduction to Internet of Things - Online	noc19-cs65	2019	1	8 WEEKS	3	2
Discrete Mathematics IITM - Online	noc19-cs67	2019	1	8 WEEKS	12	6
Programming In Java - Online	noc19-cs84	2019	1	8 WEEKS	2	1
Cloud Computing	noc19-cs64	2019	1	12 WEEKS	1	1
Developing Soft Skills and Personality - Online	noc19-hs32	2019	1	12 WEEKS	15	15
Digital Circuits - Online	noc19-ee51	2019	1	12 WEEKS	3	3
Introduction to Internet of Things - Online	noc19-cs65	2019	1	12 WEEKS	1	1
Python for Data Science - Online	noc19-cs59	2019	1	12 WEEKS	4	4
Operating System	noc20-cs04	2020	1	12 WEEKS	1	1
Problem solving through Programming In C	noc20-cs06	2020	2	12 WEEKS	5	5
Programming in C++	noc20-cs07	2020	1	12 WEEKS	1	1
Programming in Java	noc20-cs08	2020	1	12 WEEKS	8	8
Software Testing	noc20-cs19	2020	1	12 WEEKS	4	3
Cloud computing	noc20-cs20	2020	1	12 WEEKS	3	3
Introduction to internet of things	noc20-cs22	2020	1	12 WEEKS	3	3
Introduction to Industry 4.0 and Industrial Internet of Things	noc20-cs24	2020	1	12 WEEKS	1	1
Programming, Data Structures And Algorithms Using Python	noc20-cs26	2020	1	12 WEEKS	2	2
Privacy and Security in Online Social Media	noc20-cs31	2020	1	8 WEEKS	1	1
Python for Data Science	noc20-cs36	2020	1	12 WEEKS	3	3
Discrete Mathematics	noc20-cs37	2020	1	12 WEEKS	1	1
Data Analytics with Python	noc20-cs46	2020	1	12 WEEKS	1	1

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2020-21

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Applied Natural Language Processing	noc20-cs87	2020	1	12 WEEKS	1	0
Artificial Intelligence Search Methods For Problem Solving	noc20-cs81	2020	1	12 WEEKS	4	0
Biomicrofluidics	noc20-bt22	2020	1	12 WEEKS	1	0
C Programming and Assembly Language	noc20-cs94	2020	1	12 WEEKS	1	0
Cloud computing	noc20-cs65	2020	1	12 WEEKS	1	2
Computer architecture and organization	noc20-cs64	2020	1	12 WEEKS	5	0
Data Base Management System	noc20-cs60	2020	1	12 WEEKS	32	0
Data Science for Engineers	noc20-cs72	2020	1	12 WEEKS	2	0
Data Structure and algorithms using Java	noc20-cs85	2020	1	12 WEEKS	3	0
Design and analysis of algorithms	noc20-cs71	2020	1	12 WEEKS	32	0
Deep Learning	noc20-cs62	2020	1	12 WEEKS	3	0
Developing Soft Skills and Personality	noc20-hs43	2020	1	12 WEEKS	9	0
Discrete Mathematics	noc20-cs82	2020	1	12 WEEKS	4	0
Fundamentals Of Artificial Intelligence	noc20-me88	2020	1	12 WEEKS	1	0
Global Navigation Satellite Systems And	noc20-ce62	2020	1	12 WEEKS	1	0
Introduction to Embedded System Design	noc20-ee98	2020	1	12 WEEKS	2	0
Introduction to Industry 4.0 and Industrial Internet	noc20-cs69	2020	1	12 WEEKS	18	8
Introduction to internet of things	noc20-cs66	2020	1	12 WEEKS	10	0
Introduction to Machine Learning	noc20-cs73	2020	1	12 WEEKS	6	0
Introduction to Programming in C	noc20-cs91	2020	1	12 WEEKS	5	0
Object Oriented Analysis and Design	noc20-cs59	2020	1	12 WEEKS	1	0
Patent Law for Engineers and Scientists	noc20-hs55	2020	1	12 WEEKS	5	0
Patent Search for Engineers and Lawyers	noc20-hs89	2020	1	12 WEEKS	1	0
Problem solving through Programming In C	noc20-cs56	2020	1	12 WEEKS	3	0
Programming in C++	noc20-cs57	2020	1	12 WEEKS	2	0
Programming in Java	noc20-cs58	2020	1	12 WEEKS	7	0
Programming, Data Structures And Algorithms Using Python	noc20-cs70	2020	1	12 WEEKS	8	0
Python for Data Science	noc20-cs80	2020	1	12 WEEKS	5	0
Social Networks	noc20-cs78	2020	1	12 WEEKS	1	0

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Software Engineering	noc20-cs68	2020	1	12 WEEKS	1	0
Software Testing	noc20-cs77	2020	1	12 WEEKS	1	0
The Joy of Computing using Python	noc20-cs83	2020	1	12 WEEKS	4	0
Data Base Management System	noc21-cs04	2021	1	12 WEEKS	3	0
Software Testing	noc21-cs13	2021	1	12 WEEKS	7	4
Emotional Intelligence	noc21-hs04	2021	1	12 WEEKS	7	6
Enhancing Soft Skills and Personality	noc21-hs02	2021	1	12 WEEKS	4	3
Patent Law for Engineers and Scientists	noc21-hs15	2021	1	12 WEEKS	2	0
Speaking Effectively	noc21-hs05	2021	1	12 WEEKS	1	1
2021-22						
Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Programming in Java - online	noc21-cs56	2021	2	8 WEEKS	1	1
Software Testing - online	noc21-cs73	2021	1	8 WEEKS	2	1
Developing Soft Skills and Personality - online	noc21-hs57	2021	2	8 WEEKS	2	1
Data Science for Engineers	noc22-cs28	2022	1	8 WEEKS	1	1
Blockchain and its Applications	noc22-cs44	2022	1	12 WEEKS	1	0
Programming In Java	noc22-cs47	2022	2	12 WEEKS	1	1
Enhancing Soft Skills and Personality	noc22-hs08	2022	2	12 WEEKS	4	4

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NPTEL Student Participation Jul-Dec 2019 (Session 2019-20)

S.no	Roll Number	Course Id	Course Name	Name	Score From Assignment	Unproctored programming exam score out of 25	Exam Score	Final Score	Certificate Type
1	NOC19CS64S31350180	noc19-cs64	Cloud Computing - Online	HIMANSHI GARG	24.08	NA	41.25	65	Elite
2	NOC19CS64S31370010	noc19-cs64	Cloud Computing - Online	RISHI DWIVEDI	24.38	NA	30.75	55	Successfully completed
3	NOC19CS64S31370018	noc19-cs64	Cloud Computing - Online	DHRUVY AGGARWAL	25	NA	37	62	Elite
4	NOC19CS64S31370032	noc19-cs64	Cloud Computing - Online	SUDHA SINGH	24.79	NA	35	60	Elite
5	NOC19CS64S31370034	noc19-cs64	Cloud Computing - Online	HARIOHM KUMAR	23.33	NA	33.26	57	Successfully completed
6	NOC19CS64S31370036	noc19-cs64	Cloud Computing - Online	NIDHI KUMARI	24.79	NA	50.25	75	Elite+Silver
7	NOC19CS64S31370038	noc19-cs64	Cloud Computing - Online	AKANSHA MISHRA	24.08	NA	35.99	60	Elite
8	NOC19CS64S31370040	noc19-cs64	Cloud Computing - Online	ANUKSHA VARSHNAY	24.79	NA	44.75	70	Elite
9	NOC19CS64S31370042	noc19-cs64	Cloud Computing - Online	PALLAVI PANDEY	24.79	NA	55	80	Elite+Silver
10	NOC19CS64S31370046	noc19-cs64	Cloud Computing - Online	ISHIKA RANJAN	18.46	NA	34	52	Successfully completed
11	NOC19CS64S31370048	noc19-cs64	Cloud Computing - Online	NANDINI	5.17	NA	22.52	28	No Certificate
12	NOC19CS64S31790028	noc19-cs64	Cloud Computing - Online	ANMOL DODEJA	21.13	NA	33.25	54	Successfully completed
13	NOC19CS64S31910208	noc19-cs64	Cloud Computing - Online	HARDIK GOEL		NA			No Certificate
14	NOC19CS64S41370082	noc19-cs64	Cloud Computing - Online	AALIYA KHATOON	24.38	NA	35.12	60	Elite
15	NOC19CS64S41370090	noc19-cs64	Cloud Computing - Online	JIGYASA SRIVASTAVA	4.71	NA	32.88	38	No Certificate
16	NOC19CS64S41910190	noc19-cs64	Cloud Computing - Online	GARIMA GUPTA	24.58	NA	30.13	55	Successfully completed

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17	NOC19CS46S21300183	noc19-cs46	Data Base Management System	DEEPSHREE	21.25	NA	36	57	Successfully completed
18	NOC19CS46S21300185	noc19-cs46	Data Base Management System	ANAMIKA SINGH	20.83	NA	42	63	Elite
19	NOC19HS32S51370107	noc19-hs32	Developing Soft Skills and Personality - Online	YASH KUMAR	21.67	NA	48.75	70	Elite
20	NOC19HS32S51370135	noc19-hs32	Developing Soft Skills and Personality - Online	AYUSHI AGARWAL	23.17	NA	50.25	73	Elite
21	NOC19HS32S51370171	noc19-hs32	Developing Soft Skills and Personality - Online	RITESH RANJAN	24.5	NA	42	67	Elite
22	NOC19HS32S51370245	noc19-hs32	Developing Soft Skills and Personality - Online	SHASHANK BHUSHAN JHA	23.17	NA	55.5	79	Elite+Silver
23	NOC19HS32S51370251	noc19-hs32	Developing Soft Skills and Personality - Online	YASH MEHROTRA	19.67	NA	49.5	69	Elite
24	NOC19HS32S51370335	noc19-hs32	Developing Soft Skills and Personality - Online	ABHISHEK YADAV	23.5	NA	45	69	Elite
25	NOC19HS32S51370343	noc19-hs32	Developing Soft Skills and Personality - Online	UDAY SINGH	19.5	NA	49.5	69	Elite
26	NOC19HS32S51370411	noc19-hs32	Developing Soft Skills and Personality - Online	DIVYANSH GUPTA	16.17	NA	39.75	56	Successfully completed
27	NOC19HS32S51370430	noc19-hs32	Developing Soft Skills and Personality - Online	ESHA GUPTA	24	NA	59.25	83	Elite+Silver
28	NOC19HS32S51370456	noc19-hs32	Developing Soft Skills and Personality - Online	HARSHITA BISHNOI	13.67	NA	43.5	57	Successfully completed
29	NOC19HS32S51370472	noc19-hs32	Developing Soft Skills and Personality - Online	ANUJ TIWARI	24.33	NA	57	81	Elite+Silver
30	NOC19HS32S51370485	noc19-hs32	Developing Soft Skills and Personality - Online	YASH KAUSHIK	23.33	NA	54	77	Elite+Silver
31	NOC19HS32S51370545	noc19-hs32	Developing Soft Skills and Personality - Online	NITISH KUMAR JHA	22.83	NA	51.75	75	Elite+Silver
32	NOC19HS32S51370569	noc19-hs32	Developing Soft Skills and Personality - Online	SATYAM KUMAR MISHRA	21.33	NA	45	66	Elite
33	NOC19HS32S51370613	noc19-hs32	Developing Soft Skills and Personality - Online	ATUL KHANDURI	23.17	NA	41.25	64	Elite

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34	NOC19HS32S51370621	noc19-hs32	Developing Soft Skills and Personality - Online	SAHIL HUSSAIN	23.83	NA	49.5	73	Elite
35	NOC19HS32S51370707	noc19-hs32	Developing Soft Skills and Personality - Online	ANSHUL BHARADWAJ	23.67	NA	46.5	70	Elite
36	NOC19HS32S51370731	noc19-hs32	Developing Soft Skills and Personality - Online	KESHAV KUMAR	23.33	NA	39.75	63	Elite
37	NOC19HS32S51370798	noc19-hs32	Developing Soft Skills and Personality - Online	VIKASH KUMAR	22	NA	44.25	66	Elite
38	NOC19HS32S51370816	noc19-hs32	Developing Soft Skills and Personality - Online	CHETAN KUMAR SHARMA	17.33	NA	51.75	69	Elite
39	NOC19HS32S51370956	noc19-hs32	Developing Soft Skills and Personality - Online	ASHISH KUMAR VISHWAKARMA	23.17	NA	30	53	Successfully completed
40	NOC19HS32S51910113	noc19-hs32	Developing Soft Skills and Personality - Online	YASH SHARMA	21.83	NA	55.5	77	Elite+Silver
41	NOC19HS32S51910725	noc19-hs32	Developing Soft Skills and Personality - Online	R MURALI	23.67	NA	59.25	83	Elite+Silver
42	NOC19HS32S61370041	noc19-hs32	Developing Soft Skills and Personality - Online	SUMIT KUMAR	24.17	NA	54	78	Elite+Silver
43	NOC19HS32S61370055	noc19-hs32	Developing Soft Skills and Personality - Online	NALIN SHUKLA	10.17	NA	52.5	63	Elite
44	NOC19HS32S61370157	noc19-hs32	Developing Soft Skills and Personality - Online	ABUTALIB KHAN	23.83	NA	26.25	50	No Certificate
45	NOC19HS32S61370235	noc19-hs32	Developing Soft Skills and Personality - Online	VISHAL YADAV	23.5	NA	54.75	78	Elite+Silver
46	NOC19HS32S61370359	noc19-hs32	Developing Soft Skills and Personality - Online	PRATYUSH CHAUDHARY	23.83	NA	40.5	64	Elite
47	NOC19HS32S61370401	noc19-hs32	Developing Soft Skills and Personality - Online	PRANAW KUMAR SINGH	24	NA	38.25	62	Elite
48	NOC19HS32S61370417	noc19-hs32	Developing Soft Skills and Personality - Online	AMIT RAI	24.17	NA	39	63	Elite
49	NOC19HS32S61370467	noc19-hs32	Developing Soft Skills and Personality - Online	RAJAT BHARDWAJ	24.33	NA	48	72	Elite
50	NOC19HS32S61370498	noc19-hs32	Developing Soft Skills and Personality - Online	SHIVANI DUBEY	16	NA	54	70	Elite

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39

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51	NOC19HS32S61370539	noc19-hs32	Developing Soft Skills and Personality - Online	BHAVISHYA RAJ	24.17	NA	59.25	83	Elite+Silver
52	NOC19HS32S61370599	noc19-hs32	Developing Soft Skills and Personality - Online	ASHUTOSH YADAV	23.67	NA	30.75	54	Successfully completed
53	NOC19HS32S61370629	noc19-hs32	Developing Soft Skills and Personality - Online	HARSH KUMAR	23.83	NA	46.5	70	Elite
54	NOC19HS32S61370637	noc19-hs32	Developing Soft Skills and Personality - Online	PIYUSH KUMAR	15.67	NA	45.75	61	Elite
55	NOC19HS32S61370659	noc19-hs32	Developing Soft Skills and Personality - Online	YOGESH KUMAR	23.5	NA	45.75	69	Elite
56	NOC19HS32S61370686	noc19-hs32	Developing Soft Skills and Personality - Online	MANJAY KUMAR	23.5	NA	33	57	Successfully completed
57	NOC19HS32S61370802	noc19-hs32	Developing Soft Skills and Personality - Online	INTIZAR AHAMAD	23.67	NA	36.75	60	Elite
58	NOC19HS32S61370821	noc19-hs32	Developing Soft Skills and Personality - Online	ANKIT KUMAR GUPTA	24.17	NA	51	75	Elite+Silver
59	NOC19HS32S61370880	noc19-hs32	Developing Soft Skills and Personality - Online	NISHANT BHATI	23.83	NA	39	63	Elite
60	NOC19HS32S61370980	noc19-hs32	Developing Soft Skills and Personality - Online	TANMAY AGARWAL	24.33	NA	60	84	Elite+Silver
61	NOC19HS32S61910155	noc19-hs32	Developing Soft Skills and Personality - Online	EMAD NAUSHAD	23.83	NA	45	69	Elite
62	NOC19HS32S61910588	noc19-hs32	Developing Soft Skills and Personality - Online	MOHIT MALIK	22.5	NA	50.25	73	Elite
63	NOC19HS32S61910734	noc19-hs32	Developing Soft Skills and Personality - Online	TUSHAR VATSA	23.33	NA	54	77	Elite+Silver
64	NOC19CS67S51370258	noc19-cs67	Discrete Mathematics IITM - Online	DEEPAK KUAMR	22.78	NA	30	53	Successfully completed
65	NOC19CS67S61370292	noc19-cs67	Discrete Mathematics IITM - Online	HITESH GARG	22.81	NA	30	53	Successfully completed
66	NOC19CS67S61370294	noc19-cs67	Discrete Mathematics IITM - Online	SAMYAK JAIN	22.5	NA	16.5	39	No Certificate
67	NOC19CS67S61370296	noc19-cs67	Discrete Mathematics IITM - Online	SHUBHAM YADAV	23.41	NA	51	74	Elite

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68	NOC19CS67S61370298	noc19-cs67	Discrete Mathematics IITM - Online	GAURAV YADAV	22.5	NA	16.5	39	No Certificate
69	NOC19CS67S61910697	noc19-cs67	Discrete Mathematics IITM - Online	PAYAL SINGH	23.06	NA	30	53	Successfully completed
70	NOC19CS67S61910699	noc19-cs67	Discrete Mathematics IITM - Online	SWATI JAISWAL	23.13	NA	30	53	Successfully completed
71	NOC19CS67S61910701	noc19-cs67	Discrete Mathematics IITM - Online	NEHA SINHA	22.75	NA	21	44	No Certificate
72	NOC19CS67S61910703	noc19-cs67	Discrete Mathematics IITM - Online	NITIN KUMAR SHARMA	21.25	NA	25.5	47	No Certificate
73	NOC19CS67S61910705	noc19-cs67	Discrete Mathematics IITM - Online	SADHANA KUMARI	17.78	NA	25.5	43	No Certificate
74	NOC19CS67S61910707	noc19-cs67	Discrete Mathematics IITM - Online	SRISHTI SINGH	23.09	NA	34.5	58	Successfully completed
75	NOC19CS67S61910709	noc19-cs67	Discrete Mathematics IITM - Online	SAPNA KUMARI	23.09	NA	21	44	No Certificate
76	NOC19CS65S61370196	noc19-cs65	Introduction to Internet of Things - Online	SAHIL SRIVASTAVA	24.13	NA	36.74	61	Elite
77	NOC19CS65S61370206	noc19-cs65	Introduction to Internet of Things - Online	Adarsh Mishra	25	NA	42.86	68	Elite
78	NOC19CS42S11300196	noc19-cs42	Introduction to Programming in C	FIROZ	11.25	18.75	27	57	Successfully completed
79	NOC19CS42S11300198	noc19-cs42	Introduction to Programming in C	MOHIT KAUSHIK	11.25	22	29	62	Elite
80	NOC19CS51S51910662	noc19-cs51	Operating System Fundamentals - Online	SAKSHI BISHT	14.78	NA	30	45	Successfully completed
81	NOC19CS51S61370274	noc19-cs51	Operating System Fundamentals - Online	AMIR KHAN	11.69	NA	25.5	37	No Certificate
82	NOC19HS65S31370001	noc19-hs65	Patent Law For Engineers And Scientists - Online	UJJAWAL KUMAR	20.06	NA	16.5	37	No Certificate
83	NOC19HS65S31370035	noc19-hs65	Patent Law For Engineers And Scientists - Online	SURYANSHU SHARMA	19.53	NA	13.5	33	No Certificate
84	NOC19HS65S31370047	noc19-hs65	Patent Law For Engineers And Scientists - Online	ANKIT SHARMA	21.09	NA	24	45	No Certificate

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85	NOC19HS65S31370057	noc19-hs65	Patent Law For Engineers And Scientists - Online	NISCHINT SINGH	19.16	NA	25.5	45	No Certificate
86	NOC19HS65S31370083	noc19-hs65	Patent Law For Engineers And Scientists - Online	DEEPAK KUAMR	22.16	NA	24	46	No Certificate
87	NOC19HS65S31370113	noc19-hs65	Patent Law For Engineers And Scientists - Online	MONIKA SHARMA	11.78	NA	15	27	No Certificate
88	NOC19HS65S31370117	noc19-hs65	Patent Law For Engineers And Scientists - Online	AMIT KUMAR KASHYAP	21.31	NA	22.5	44	No Certificate
89	NOC19HS65S31370119	noc19-hs65	Patent Law For Engineers And Scientists - Online	SHUBHAM YADAV	22.25	NA	30	52	Successfully completed
90	NOC19HS65S31370121	noc19-hs65	Patent Law For Engineers And Scientists - Online	ASHWINI KUMAR TOMAR	12.56	NA	30	43	Successfully completed
91	NOC19HS65S31370127	noc19-hs65	Patent Law For Engineers And Scientists - Online	GAURAV YADAV	19.75	NA	15	35	No Certificate
92	NOC19HS65S31370129	noc19-hs65	Patent Law For Engineers And Scientists - Online	ASHISH PASRIJA	19.75	NA	15	35	No Certificate
93	NOC19HS65S31910181	noc19-hs65	Patent Law For Engineers And Scientists - Online	UTKARSH	20.16	NA	22.5	43	No Certificate
94	NOC19HS65S31910197	noc19-hs65	Patent Law For Engineers And Scientists - Online	NITIN KUMAR SHARMA	15.78	NA	30	46	Successfully completed
95	NOC19HS65S41370007	noc19-hs65	Patent Law For Engineers And Scientists - Online	RAVINA GUPTA	22.25	NA	15	37	No Certificate
96	NOC19HS65S41370011	noc19-hs65	Patent Law For Engineers And Scientists - Online	SHIVENDRA PATHAK	17.56	NA	24	42	No Certificate
97	NOC19HS65S41370013	noc19-hs65	Patent Law For Engineers And Scientists - Online	ANAND PANDEY	22.41	NA	33	55	Successfully completed
98	NOC19HS65S41370015	noc19-hs65	Patent Law For Engineers And Scientists - Online	SAHIL KHAN	21.31	NA	21	42	No Certificate
99	NOC19HS65S41370029	noc19-hs65	Patent Law For Engineers And Scientists - Online	BHANU PRATAP	20.47	NA	33	53	Successfully completed
100	NOC19HS65S41370041	noc19-hs65	Patent Law For Engineers And Scientists - Online	AYUSH GUPTA	22.09	NA	30	52	Successfully completed
101	NOC19HS65S41370047	noc19-hs65	Patent Law For Engineers And Scientists - Online	HITESH GARG	20.31	NA	25.5	46	No Certificate

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102	NOC19HS65S41370051	noc19-hs65	Patent Law For Engineers And Scientists - Online	ABHISHEK KUMAR	20.16	NA	30	50	Successfully completed
103	NOC19HS65S41370065	noc19-hs65	Patent Law For Engineers And Scientists - Online	RAHUL SHARMA	20.56	NA	21	42	No Certificate
104	NOC19HS65S41370083	noc19-hs65	Patent Law For Engineers And Scientists - Online	MOHD MOIN	22.25	NA	30	52	Successfully completed
105	NOC19HS65S41370097	noc19-hs65	Patent Law For Engineers And Scientists - Online	HRITHIK SINGH	19.06	NA	22.5	42	No Certificate
106	NOC19HS65S41370113	noc19-hs65	Patent Law For Engineers And Scientists - Online	AMLENDU SHEKHAR	20.47	NA	15	35	No Certificate
107	NOC19HS65S41370115	noc19-hs65	Patent Law For Engineers And Scientists - Online	ABHISHAIK SINGH YADAV	22.09	NA	30	52	Successfully completed
108	NOC19HS65S41370125	noc19-hs65	Patent Law For Engineers And Scientists - Online	PAYAL SINGH	20.63	NA	30	51	Successfully completed
109	NOC19HS65S41370127	noc19-hs65	Patent Law For Engineers And Scientists - Online	SWATI JAISWAL	20.63	NA	15	36	No Certificate
110	NOC19HS65S41370153	noc19-hs65	Patent Law For Engineers And Scientists - Online	GUNJAN	17.72	NA	21	39	No Certificate
111	NOC19HS65S41370161	noc19-hs65	Patent Law For Engineers And Scientists - Online	UJJAWAL KUMAR	21.94	NA	25.5	47	No Certificate
112	NOC19HS65S41370163	noc19-hs65	Patent Law For Engineers And Scientists - Online	SADHANA KUMARI	19.63	NA	24	44	No Certificate
113	NOC19HS65S41370165	noc19-hs65	Patent Law For Engineers And Scientists - Online	SRISHTI SINGH	20	NA	31.5	52	Successfully completed
114	NOC19HS65S41370167	noc19-hs65	Patent Law For Engineers And Scientists - Online	SAPNA KUMARI	21.56	NA	12	34	No Certificate
115	NOC19HS65S41910215	noc19-hs65	Patent Law For Engineers And Scientists - Online	NEHA SINHA	21	NA	25.5	47	No Certificate
116	NOC19CS43S31370189	noc19-cs43	Problem Solving through Programming in C - Online	PRIYAMBAR KUMAR	0.53	NA	20.25	21	No Certificate
117	NOC19CS43S41370130	noc19-cs43	Problem Solving through Programming in C - Online	UMANG TYAGI	23.08	NA	31.5	55	Successfully completed
118	NOC19CS84S31370120	noc19-cs84	Programing In Java - Online	UMANG TYAGI	19.5	25	32	77	Elite+Silver

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119	NOC19CS84S31370154	noc19-cs84	Programming In Java - Online	AMLENDU SHEKHAR	5.5	22.5	31	59	No Certificate
120	NOC19CS40S11300141	noc19-cs40	Programming, Data Structures And Algorithms Using Python	UTKARSH GANGWAR	25	12.5	6.25	44	No Certificate
121	NOC19CS59S41350207	noc19-cs59	Python for Data Science - Online	SARTHAK AGGARWAL	24.25	18.25	16.84	59	Successfully completed
122	NOC19CS71S61370478	noc19-cs71	Software testing - Online	RISHAV KUMAR	6.56	NA	31.5	38	No Certificate
123	NOC19CS41S51370106	noc19-cs41	The Joy of Computing using Python - Online	MOHD AZHAR	24.5	25	27	77	Elite+Silver
124	NOC19CS41S51370112	noc19-cs41	The Joy of Computing using Python - Online	OM VISHWAS SINGH	20	25	21	66	Elite
125	NOC19CS41S61350361	noc19-cs41	The Joy of Computing using Python - Online	MANSI PRAJAPATI	24.75	25	31	81	Elite+Silver
126	NOC19CS41S61370150	noc19-cs41	The Joy of Computing using Python - Online	AYUSHI RASTOGI	24.75	25	33	83	Elite+Silver
127	NOC19CS41S61370168	noc19-cs41	The Joy of Computing using Python - Online	PAWAN KUMAR	24.75	25	37	87	Elite+Silver
128	NOC19CS41S61370170	noc19-cs41	The Joy of Computing using Python - Online	TUSHAR BHATNAGAR	24.75	25	37	87	Elite+Silver
129	NOC19CS41S61370172	noc19-cs41	The Joy of Computing using Python - Online	SHUBHAM RAJPUT	24.75	25	27	77	Elite+Silver
130	NOC19CS41S61370174	noc19-cs41	The Joy of Computing using Python - Online	PULKIT DHAKA	24.5	25	28	78	Elite+Silver
131	NOC19CS41S61370176	noc19-cs41	The Joy of Computing using Python - Online	SANJAY SUTRADHAR	23.25	25	28	76	Elite+Silver
132	NOC19CS41S61370178	noc19-cs41	The Joy of Computing using Python - Online	SHASHANK	18.25	25	20	63	Elite
133	NOC19CS41S61370180	noc19-cs41	The Joy of Computing using Python - Online	ADITYA SINGH	24.5	25	25	75	Elite+Silver

Dr. Arun
 ITS Engineering College
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AS

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:

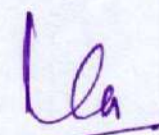

Introduction of Pneumatics: Needs and Applications

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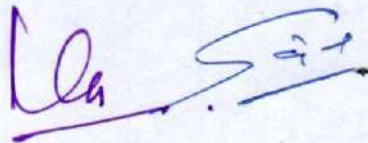
Directional Control Valves: Valve functioning, port indication, monostable and bistable, valve types, valve operations.

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/ 5 th 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.

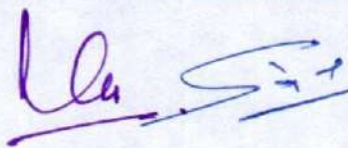
Solenoid Valves: Operation, skinner principle, power valves, pilot operation, reliability of valves.

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)

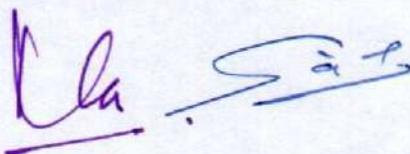
Hard copy contents (Not available however can be prepared from the available contents)

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
5 th 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
6 th 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

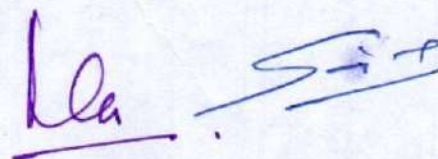
5th and 6th Semester

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


Director
JFS Engineering College
Greater Noida

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:

All 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.


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Greater Noida

for
H. Dixit

Attendance Sheet- SMC			2-Nov-20	2-Nov-20	2-Nov-20	2-Nov-20	3-Nov-20	3-Nov-20	3-Nov-20	3-Nov-20
ME-Final Year-VII-A 2020-21										
Sr. No.	Roll Number	Name								
1	1622240011	AMAN SRIVASTAVA	PP	PP	PP	PP	PP	PP	PP	PP
2	1722231024	KAVIRAJ KUMAR	A	A	A	A	A	A	A	A
3	1722240001	AAKASH BHATI	P	P	P	P	P	P	P	P
4	1722240002	AASHISH SHARMA	P	P	P	P	P	P	P	P
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

Signature

for *(Signature)*

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	A	A	A	A
55	1722240061	UJJWAL KR. PANDEY	A	A	A	A	P	P	P	P
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
Add On Course Record

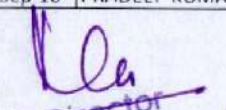
S.No.	Department	SEM	Topic/ Training Name	Total Weeks/ Hours of Training	Training Start Date	Training End Date	Trainee Name	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Status (Y/N)	Contact number of Trainee	Company Name
1	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	RAJEEV RANJAN	Yes	External	Yes	rajeevrs321@gmail.com	NPTEL
2	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	VIPIN KUMAR YADAV	Yes	External	Yes	vipinyadavzm222@gmail.com	NPTEL
3	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	SHIVAM	Yes	External	Yes	ss1340199@gmail.com	NPTEL
4	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	ALQMA RAZA	No	External	No	alqmaraza123@gmail.com	NPTEL
5	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	SHUBHAM SINGH	No	External	No	shubhamsingh0599@gmail.com	NPTEL
6	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	HARSHIT GARG	No	External	No	harshit23garg@gmail.com	NPTEL
7	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	ROHIT KUMAR	No	External	No	aryanchaudhary310894@gmail.com	NPTEL
8	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	ASHISH RANJAN KUMAR	No	External	No	ashishranjankumar15298@gmail.com	NPTEL
9	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	NITISH SHARMA	No	External	No	nitishsharmait516@gmail.com	NPTEL
10	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	ARCHIT JAIN	No	External	No	aachujain97@gmail.com	NPTEL
11	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	RAHUL KUMAR YADAV	No	External	No	raw.rahul15897@gmail.com	NPTEL
12	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	AYUSH KUMAR	No	External	No	ayushme222@gmail.com	NPTEL
13	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	HEMANT KUMAR	No	External	No	hemantkumarggsps@gmail.com	NPTEL
14	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	ANSHUL SHARMA	No	External	No	sharmaanshul32@gmail.com	NPTEL
15	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	TUSHAR SINGH	No	External	No	singhtushar001@gmail.com	NPTEL
16	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	NIHSHESH YADAV	No	External	No	nihshesh97@gmail.com	NPTEL
17	ME	5th	Heat Treatment and Surface Hardening -	8 Weeks	Jul-16	Sep-16	TUSHAR SINGH	No	External	No	tushar9996@gmail.com	NPTEL

[Handwritten Signature]

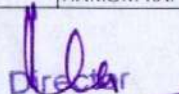
Director

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Greater Noida

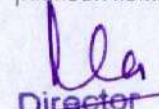
18	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	GOURAV	No	External	No	gauravbhati477@gmail.com	NPTEL
19	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	SANDEEP	No	External	No	sandeepme222@gmail.com	NPTEL
20	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	RAHUL SINGH	No	External	No	rahulprince879@gmail.com	NPTEL
21	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	ANKIT KUMAR VERMA	No	External	No	aankitverma05@gmail.com	NPTEL
22	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	MIRZA ABUZAR BAIG	No	External	No	abuzar.baig96@gmail.com	NPTEL
23	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	MD ALI	No	External	No	mdali4774@gmail.com	NPTEL
24	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	ARPIT BHARDWAJ	No	External	No	arpit.bhardwaj07@gmail.com	NPTEL
25	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	SHIVSHANKAR PAL	No	External	No	shivshankarpal147@gmail.com	NPTEL
26	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	VED PRAKASH	No	External	No	mukesh.ved25@gmail.com	NPTEL
27	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	MANOJ KUMAR VERMA	No	External	No	manojverma1145@gmail.com	NPTEL
28	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	VIPIN KUMAR	No	External	No	vipinkumarsahu271@gmail.com	NPTEL
29	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	UJJWAL KUMAR SINGH	No	External	No	sujjwal28@gmail.com	NPTEL
30	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	PRINCE KUMAR RAI	No	External	No	princerai7290@gmail.com	NPTEL
31	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	APOORAV SHARMA	No	External	No	apooravsharmaaks_me13@its.edu.in	NPTEL
32	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	ASHVANI KUMAR	No	External	No	sethashvani123@gmail.com	NPTEL
33	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	MD AFROJ ANSARI	No	External	No	mdafroz8065@gmail.com	NPTEL
34	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	SHUBHAM BHADAHANA	No	External	No	shubhambhadana8055@gmail.com	NPTEL
35	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	SANJEEV SINGH CHAUHAN	No	External	No	sanjeevc412@gmail.com	NPTEL
36	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	FARHAN HAIDER	No	External	No	haider.farhan13@gmail.com	NPTEL
37	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	HARIOM RAI	No	External	No	hariomrai78@gmail.com	NPTEL
38	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	ANKIT KUMAR SINGH	No	External	No	ankitksingh19997@gmail.com	NPTEL
39	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	PRADEEP KUMAR	No	External	No	pradeepme222@gmail.com	NPTEL



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40	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	RAHUL KUMAR RAI	No	External	No	rkr6991@gmail.com	NPTEL
41	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	ADESH KUMAR	No	External	No	adeshme222@gmail.com	NPTEL
42	ME	5th	Heat Treatment and Surface Hardening - I	8 Weeks	Jul-16	Sep-16	MONU KUMAR SURYAVANSHI	No	External	No	monukumarits@gmail.com	NPTEL
43	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	MOHAMMAD FUZAIL	Yes	External	Yes	md.fuzail96@gmail.com	NPTEL
44	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ASHUTOSH SHAH	Yes	External	Yes	ashutoshshahs_me13@its.edu.in	NPTEL
45	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	PRADEEP KUMAR SHARMA	Yes	External	Yes	pradeepsharmadv_s_me13@its.edu.in	NPTEL
46	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	JITENDRA SINGH	Yes	External	Yes	jitsingh505@gmail.com	NPTEL
47	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	KAJAL GAUR	Yes	External	Yes	kajalgaur004@gmail.com	NPTEL
48	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	BANWARI VERMA	Yes	External	Yes	banwari1210@gmail.com	NPTEL
49	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	VIPIN KUMAR YADAV	Yes	External	Yes	vipinyadavazm222@gmail.com	NPTEL
50	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	PANKAJ SANGER	Yes	External	Yes	pankajsanger32@gmail.com	NPTEL
51	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ASHVANI KUMAR SETH	Yes	External	Yes	sethashvani123@gmail.com	NPTEL
52	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	NISHANT SINGH	Yes	External	Yes	nsngh96@gmail.com	NPTEL
53	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	DHWJENDRA SINGH CHAUHAN	Yes	External	Yes	dhwjendra54@gmail.com	NPTEL
54	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	AMIT KUMAR SINGH	Yes	External	Yes	amitsinghaks_me13@its.edu.in	NPTEL
55	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	JYOTI PRAKASH	Yes	External	Yes	vyotiprakashdk_me13@its.edu.in	NPTEL
56	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	VISHAL	Yes	External	Yes	vishalsinghyoyo@gmail.com	NPTEL
57	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	KESHAV	Yes	External	Yes	keshavkhrod@gmail.com	NPTEL
58	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	JAYNATH KUMAR	Yes	External	Yes	jaynathkumar123@gmail.com	NPTEL
59	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	HARIOM RAI	Yes	External	Yes	hariomrai78@gmail.com	NPTEL


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60	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	BALAJI NATH JHA	Yes	External	Yes	balaji.jha1@gmail.com	NPTEL
61	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	RAHUL KUMAR YADAV	Yes	External	Yes	raw.rahul15897@gmail.com	NPTEL
62	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	MANOJ KUMAR VERMA	Yes	External	Yes	manojverma1145@gmail.com	NPTEL
63	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ANSHUL SHARMA	Yes	External	Yes	sharmaanshul32@gmail.com	NPTEL
64	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	APOORAV SHARMA	Yes	External	Yes	apooravsharmaaks_me13@its.edu.in	NPTEL
65	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	VED PRAKASH	Yes	External	Yes	mukesh.ved25@gmail.com	NPTEL
66	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	TANUDEEP SINGH	Yes	External	Yes	tj.grovs@gmail.com	NPTEL
67	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	BALMIKI YADAV	Yes	External	Yes	balmikiyadavsy_me13@its.edu.in	NPTEL
68	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	GAUTAM KUMAR	Yes	External	Yes	gautamme222@gmail.com	NPTEL
69	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	SHIVSHANKAR PAL	Yes	External	Yes	shivshankarpal147@gmail.com	NPTEL
70	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	JITENDRA KUMAR	Yes	External	Yes	jitendra.verma3896@gmail.com	NPTEL
71	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	PRAGYA SINGH	No	External	No	pragyasingh.me@its.edu.in	NPTEL
72	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	VAIBHAV MISHRA	No	External	No	vaibhavamishrame222@gmail.com	NPTEL
73	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	SUDHANSHU RANJAN	No	External	No	sudhanshuranjanaks_me13@its.edu.in	NPTEL
74	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	AMIT KUMAR MISHRA	No	External	No	amitmishraam1997@gmail.com	NPTEL
75	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	DHRUV ARORA	No	External	No	dhruv9808@gmail.com	NPTEL
76	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ABHAY KUMAR	No	External	No	contactforabhay@gmail.com	NPTEL
77	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ANUP SHRIVASTAV	No	External	No	shri.anup101@gmail.com	NPTEL
78	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	NIHSHESH YADAV	No	External	No	nihshesh97@gmail.com	NPTEL
79	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	DEEPAK KUMAR CHAUBEY	No	External	No	dkchaubey333@gmail.com	NPTEL
80	ME	5th	Manufacturing Process Technology - II	8 Weeks	Jul-16	Sep-16	ANJIRUDH KUMAR	No	External	No	kumaranirudhme@gmail.com	NPTEL


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ITS Engineering College
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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	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

Signature

Signature

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Greater Noida

I.T.S ENGINEERING COLLEGE GREATER NOIDA

(A NAAC Accredited Engineering College)

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 SARFAZ	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	A	P	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	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	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	P	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	A	A	A	A	A	A	A
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	A	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	A	A	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	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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Greater Noida

Department of Civil Engineering
Marks Assessment sheet

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

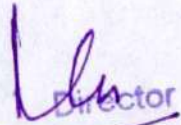
Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (20-40%)	3 (40-60%)	4(60-80%)	5(80-100%)
CO-1	Practicing AutoCAD tools used in drafting and design of civil design and construction Industry.	Does not use the tools available in AutoCAD.	Use of very few basic tools in AutoCAD and apply it in civil 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		
			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	AAARTI 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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I.T.S ENGINEERING COLLEGE GREATER NOIDA

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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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ITS Engineering College
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I.T.S ENGINEERING COLLEGE
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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	A	A	P	P
5	1902220000003	AMBER SHAMSH	A	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	A	A	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	A	A	P
9	1902220000008	DIVYANSH SINGH	A	A	P	P	P	A	P	A	A	P	P	P	P	P	P	P	P	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	A	P	P	P	P	P	A	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	P	A	A	A	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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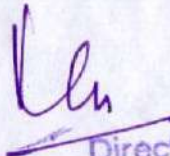
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Director

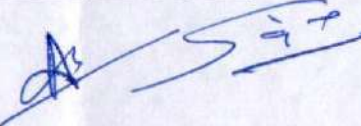
ITS Engineering College
Greater Noida

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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Greater Noida



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		
			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	190222000001	AARTI VERMA	8	5	19	5	7	4	6	4	40
4	190222000002	ABDULLAH	8	5	15	4	9	5	6	4	38
5	190222000003	AMBER SHAMSH	9	5	11	3	9	5	8	5	37
6	190222000005	ANIL KUMAR	10	5	15	4	9	5	8	5	42
7	190222000006	BASIT BASHIR WANI	10	5	19	5	7	4	8	5	44
8	190222000007	DEV RAJ	9	5	19	5	9	5	9	5	46
9	190222000008	DIVYANSH SINGH	7	4	0	1	7	4	8	5	22
10	190222000010	IRFAN AHMAD	10	5	19	5	9	5	10	5	48
11	190222000011	MANISH KUMAR	10	5	18	5	9	5	9	5	46
12	190222000013	PRAVEEN KUMAR SINGH	9	5	19	5	7	4	7	4	42
13	190222000014	PRIYANSHU KUMAR SINGH	8	5	18	5	7	4	7	4	40
14	190222000015	RAHUL SINGH	5	3	9	3	3	2	4	3	21
15	190222000016	RAJ KIRAN	10	5	17	5	7	4	8	5	42
16	190222000017	RAJNISH KUMAR MISHRA	4	3	7	2	5	3	4	3	20
17	190222000018	SAGAR PASWAN	2	2	10	3	2	2	4	3	18
18	190222000019	SHAFIA NAZIR	8	5	15	4	7	4	8	5	38
19	190222000020	SHAJURYA PRATAP SINGH	10	5	13	4	9	5	8	5	40
20	190222000021	SHREE PRAKASH	5	3	10	3	4	3	3	2	22
21	190222000022	SHUBHAM PANDIT	8	5	18	5	7	4	9	5	42
22	190222000023	SUDHAKAR MISHRA	8	5	15	4	9	5	8	5	40
23	190222000024	UJJWAL KUMAR	9	5	14	4	9	5	6	4	38
24	190222000025	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


 Director
 JSS Engineering College
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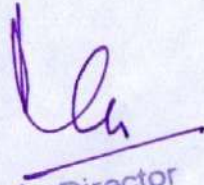
Department of Electrical & Electronics Engineering

Rockwell Automation Centre of Excellence : Assessment sheet

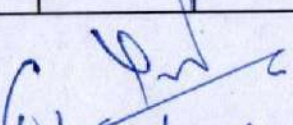
Batch 2019-23
 session 2020-21
 Sub:
 Code: RA- COE

Concepts of PLC and its applications

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.



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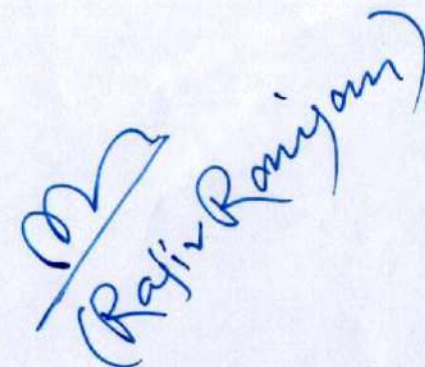

 (Rajiv Ranjan)


 (Utkarsh K. Agrawal)

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


Pradeep K. Agnwal


(Rafiq Ranjani)


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Department of Electrical & Electronics Engineering

Rockwell Automation Centre of Excellence : Assessment sheet

Batch 2019-23
 session 2020-21
 Sub:
 Code: RA- COE

Concepts of PLC and its applications


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 Raiyan)

[Signature]
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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.
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(Rajiv Ranjan)


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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 Ranjans)

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Batch 2014-18
session 2016-17/ Odd
Sub: Basics of Pneumatic Technology
Code: COE- SMC

Methodology		Scale				
Course Outcome (COs)		1 (0-20%)	2 (21-40%)	3 (41-60%)	4 (61-80%)	5 (81-100%)
CO-1	To specify the selection and optimization criteria of pneumatic controls.	Not able to specify selection and optimization criteria of pneumatic control	Somehow managed to Specify selection criteria but not able to explain optimization criteria of pneumatic controls	Good explanation to selection and optimization criteria of pneumatic controls	Better explanation to selection and optimization criteria of pneumatic controls	Excellent explanation to selection and optimization criteria of pneumatic controls
CO-2	To develop single actuator control circuits for various tasks	Not able to develop single actuator circuits	Somehow able to develop single actuator circuits	Able to develop single actuator circuits	Better demonstration of single actuator control circuits for various tasks	Excellent demonstration of single actuator control circuits for various tasks
CO-3	To develop multiple actuator pneumatic circuits using auxiliary conditions.	Not able to develop multiple actuator pneumatic circuits	Somehow able to develop multiple actuator pneumatic circuits	Able to develop multiple actuator pneumatic circuits but unable to use auxiliary valves.	Able to develop multiple actuator pneumatic circuits using auxiliary conditions.	Excellent in developing multiple actuator pneumatic circuits using auxiliary conditions.
CO-4	Know various disturbances, causes and rectification of faults in pneumatic cylinders and valves	Not able to explain various disturbances and their causes in pneumatic cylinders and valves	Somehow managed to explain various disturbances and their causes but doesn't know their rectification in pneumatic cylinders and valves	Good explanation of various disturbances, their causes and rectification in pneumatic cylinders and valves	Better explanation of various disturbances, their causes and rectification in pneumatic cylinders and valves	Excellent explanation of various disturbances, their causes and rectification in pneumatic cylinders and valves
CO-5	To solve a wide range of pneumatic & automation industrial problems using knowledge of engineering and technology	Not able to solve pneumatic and automation problems	Somehow able to solve some pneumatic and automation problems	Able to solve variety of pneumatic and automation problems but proper explanation is not provided	Able to solve variety pneumatic and automation problems and proper explanation is provided	Able to solve wide range of pneumatic and automation problems and excellent explanation is provided

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S.No.	Roll No.	Name of the Students	To specify the selection and optimization criteria of pneumatic controls		To develop single actuator control circuits for various tasks		To develop multiple actuator pneumatic circuits using auxiliary conditions		Know various disturbances, causes and rectification of faults in pneumatic cylinders and valves		To solve a wide range of pneumatic & automation industrial problems using knowledge of engineering and technology		Total Score
			20		20		20		20		20		100
			Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade	Scale	Grade
1	1322240045	GAURAV SHARMA	10	3	8	2	7	2	8	2	4	1	37
2	1322240069	SAHANWAZ ALAM	8	2	7	2	8	2	3	1	2	1	28
3	1422240003	AASIS SHARMA	14	4	12	3	18	5	18	5	19	5	81
4	1422240005	ABDULLAH KHAN	18	5	16	4	18	5	17	5	18	5	87
5	1422240006	ABHAY KUMAR	17	5	18	5	18	5	16	4	17	5	86
6	1422240007	ABHIMANYU KUMAR	14	4	18	5	17	5	15	4	12	3	76
7	1422240008	ABHISHEK	18	5	15	4	18	5	15	4	16	4	82
8	1422240010	ABHISHEK PARASHAR	17	5	18	5	18	5	16	4	15	4	84
9	1422240011	ABHISHEK SAINI	20	5	19	5	19	5	18	5	17	5	93
10	1422240012	ABHISHEK SHARMA	18	5	17	5	18	5	18	5	17	5	88
11	1422240014	AFEEF ALAM	13	4	12	3	7	2	6	2	5	2	43
12	1422240016	AKASH JAISWAL	14	4	11	3	7	2	8	2	6	2	46
13	1422240017	AKASH KUMAR	13	4	10	3	8	2	6	2	5	2	42
14	1422240019	AKSHAY	18	5	18	5	13	4	14	4	15	4	78
15	1422240022	AMAN SHARMA	10	3	8	2	7	2	8	2	5	2	38
16	1422240023	AMARPAL	10	3	9	3	11	3	8	2	6	2	44
17	1422240024	AMRESH KUMAR	17	5	17	5	16	4	17	5	17	5	84
18	1422240026	ANIRUDH KUMAR	14	4	18	5	17	5	15	4	12	3	76
19	1422240027	ANKESH KUMAR	18	5	15	4	18	5	15	4	16	4	82
20	1422240028	ANKIT AMAN	13	4	12	3	7	2	6	2	5	2	43
21	1422240029	ANKIT DHAR DUBEY	20	5	19	5	19	5	18	5	17	5	93
22	1422240030	ANKIT KUMAR	17	5	18	5	18	5	16	4	17	5	86
23	1422240031	ANKIT RAJ	14	4	18	5	17	5	15	4	12	3	76

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5/11

24	1422240032	ANKIT SINGH	18	5	17	5	19	5	18	5	20	5	92
25	1422240034	ANKUR BHATI	20	5	18	5	15	4	11	3	16	4	80
26	1422240035	ANSHUL SHARMA	18	5	10	3	13	4	14	4	15	4	70
27	1422240036	ANUPAM SHUKLA	14	4	12	3	18	5	18	5	19	5	81
28	1422240037	ANURAG YADAV	18	5	16	4	18	5	17	5	18	5	87
29	1422240038	ARPIT SINGH	17	5	18	5	18	5	16	4	17	5	86
30	1422240039	ARVIND KUMAR YADAV	14	4	18	5	17	5	15	4	12	3	76
31	1422240041	ASHISH KUMAR	5	2	8	2	5	2	7	2	5	2	30
32	1422240042	ASHISH PRASAD	12	3	10	3	8	2	11	3	7	2	48
33	1422240043	ASHUTOSH NAGAR	9	3	12	3	7	2	7	2	5	2	40
34	1422240044	ASIF ZEHA	18	5	17	5	18	5	18	5	17	5	88
35	1422240045	ATHUL KRISHNA	17	5	18	5	18	5	16	4	17	5	86
36	1422240048	AWANEESH KUMAR	18	5	17	5	19	5	18	5	20	5	92
37	1422240049	AZHAR ALAM	20	5	18	5	15	4	11	3	16	4	80
38	1422240050	BADIUZZAMA	5	2	8	2	5	2	7	2	5	2	30
39	1422240051	BANWARI VERMA	18	5	17	5	19	5	18	5	20	5	92
40	1422240052	BHUPENDRA SINGH	20	5	18	5	15	4	11	3	16	4	80
41	1422240054	DANISH AHMAD	18	5	10	3	13	4	14	4	15	4	70
42	1422240055	DEEPAK SRIVASTAVA	14	4	12	3	18	5	18	5	19	5	81
43	1422240056	DEEPAK YADAV	18	5	16	4	18	5	17	5	18	5	87
44	1422240057	DEVENDRA SHARMA	17	5	18	5	18	5	16	4	17	5	86
45	1422240058	DHANANJAY SINGH	14	4	18	5	17	5	15	4	12	3	76
46	1422240059	DHANJI MISHRA	18	5	15	4	18	5	15	4	16	4	82
47	1422240061	DHRUV ARORA	17	5	18	5	18	5	16	4	15	4	84
48	1422240062	DHWJENDRA SINGH	14	4	18	5	17	5	15	4	12	3	76
49	1422240063	DINESH PRATAP	18	5	15	4	18	5	15	4	16	4	82
50	1422240064	FARHAN HAIDER	17	5	18	5	18	5	16	4	15	4	84
51	1422240065	FIROZ ANSARI	20	5	19	5	19	5	18	5	17	5	93
52	1422240066	GAURAV KUMAR	18	5	17	5	18	5	18	5	17	5	88
53	1422240067	GAURAV KUMAR	17	5	18	5	18	5	16	4	15	4	84
54	1422240069	GAURI SHANKAR	18	5	17	5	19	5	18	5	20	5	92
55	1422240070	GAUTAM KUMAR	20	5	18	5	15	4	11	3	16	4	80
56	1422240071	GAURAV	11	3	11	3	8	2	6	2	5	2	41
57	1422240072	GAURAV SAGAR	18	5	16	4	18	5	17	5	18	5	87
58	1422240073	HIMANSHU CHAUHAN	16	4	12	3	7	2	6	2	5	2	46
59	1422240074	HIMANSHU RAJ	13	4	12	3	7	2	6	2	5	2	43
60	1422240075	HIMANSHU YADAV	15	4	12	3	8	2	8	2	5	2	48
61	1422240077	IMARAN AHMAD	17	5	18	5	18	5	16	4	15	4	84

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57

62	1422240079	JAI PRAKASH KUMAR	20	5	19	5	19	5	18	5	17	5	93
63	1422240081	JAVED ANSARI	18	5	17	5	18	5	18	5	17	5	88
64	1422240082	JITENDRA KUMAR	17	5	18	5	18	5	16	4	15	4	84
65	1422240083	JITENDRA SINGH	18	5	17	5	19	5	18	5	20	5	92
66	1422240084	KAJAL GAUR	20	5	18	5	15	4	11	3	16	4	80
67	1422240085	KARTIK VAIBHAV	18	5	12	3	13	4	16	4	16	4	75
68	1422240086	KARTIK YADAV	18	5	10	3	13	4	14	4	15	4	70
69	1422240087	KARTIKAY	20	5	18	5	15	4	11	3	16	4	80
70	1422240088	KESHAV	14	4	18	5	17	5	15	4	12	3	76
71	1422240089	KESHAV	14	4	12	3	18	5	18	5	19	5	81
72	1422240091	MANMOHAN PANDEY	18	5	16	4	18	5	17	5	18	5	87
73	1422240093	MANOJ KUMAR VERMA	17	5	18	5	18	5	16	4	17	5	86
74	1422240094	MD ADNAN	5	2	8	2	8	2	7	2	14	4	42
75	1422240095	MD AMJAD ALI	18	5	15	4	18	5	15	4	16	4	82
76	1422240096	MD ASHAB ALAM	17	5	18	5	18	5	16	4	15	4	84
77	1422240098	MD FUZAIL	14	4	18	5	17	5	15	4	12	3	76
78	1422240100	MD SAKIR KHAN	17	5	18	5	18	5	16	4	15	4	84
79	1422240101	MD SHADAB ALI	20	5	19	5	19	5	18	5	17	5	93
80	1422240102	MD ZEESHAN UDDIN	17	5	10	3	12	3	14	4	15	4	68
81	1422240103	MOHAMMAD KAMAL	11	3	8	2	6	2	8	2	8	2	41
82	1422240104	MOHAMMAD UMAR	12	3	12	3	7	2	6	2	5	2	42
83	1422240105	MOHD AZHARUDDIN	5	2	8	2	12	3	8	2	8	2	41
84	1422240108	MUKESH KUMAR	5	2	9	3	10	3	6	2	5	2	35
85	1422240110	NAVIN KUMAR	17	5	18	5	18	5	16	4	15	4	84
86	1422240111	NAVIN PRAKASH	17	5	18	5	18	5	16	4	17	5	86
87	1422240112	NIHSHESH YADAV	14	4	18	5	17	5	15	4	12	3	76
88	1422240113	NISHANT SHARMA	18	5	15	4	18	5	15	4	16	4	82
89	1422240114	NITIN KUMAR DIWAKAR	17	5	18	5	18	5	16	4	15	4	84
90	1422240115	NITISH KUMAR	20	5	19	5	19	5	18	5	17	5	93
91	1422240116	OMKAR SHARMA	18	5	17	5	19	5	18	5	20	5	92
92	1422240118	PANKAJ KUMAR	11	3	8	2	6	2	8	2	8	2	41
93	1422240119	PANKAJ SENGAR	18	5	16	4	18	5	17	5	18	5	87
94	1422240120	PANKAJ SHARMA	14	4	12	3	18	5	18	5	19	5	81
95	1422240121	PANKAJ SINGH YADAV	18	5	16	4	18	5	16	4	17	5	87
96	1422240122	PAPPPU KUMAR MAHTO	17	5	18	5	18	5	16	4	17	5	86
97	1422240123	PAWAN KUMAR SINGH	14	4	18	5	17	5	15	4	12	3	76
98	1422240124	PINKU	18	5	15	4	18	5	15	4	16	4	82
99	1422240126	PRABHAT KUMAR	17	5	18	5	18	5	16	4	15	4	84

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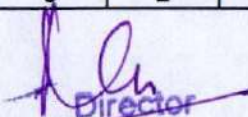
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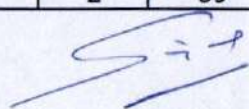
100	1422240127	PRABHAT RANJAN	14	4	18	5	17	5	15	4	12	3	76
101	1422240128	PRASHANT SINGH	8	2	5	2	8	2	4	1	3	1	28
102	1422240129	PRAVEJ AHMED	20	5	19	5	19	5	18	5	17	5	93
103	1422240130	PRINCE CHAUHAN	18	5	17	5	18	5	18	5	17	5	88
104	1422240131	PRINCE GOYAL	20	5	19	5	19	5	18	5	17	5	93
105	1422240132	PRIYA YADAV	18	5	17	5	19	5	18	5	20	5	92
106	1422240133	PUNEET NAGAR	20	5	18	5	15	4	11	3	16	4	80
107	1422240134	PUNIT SHUKLA	14	4	18	5	17	5	15	4	12	3	76
108	1422240135	PUSHP RAJ	18	5	10	3	13	4	14	4	15	4	70
109	1422240136	RAHUL KUMAR	17	5	9	3	13	4	14	4	15	4	68
110	1422240137	RAHUL KUMAR YADAV	20	5	19	5	19	5	18	5	17	5	93
111	1522240901	KHALIK UZ ZAFAR	18	5	17	5	18	5	18	5	17	5	88
112	1422240138	RAHUL SINGH	13	4	12	3	7	2	6	2	5	2	43
113	1422240139	RAJAT KUMAR	18	5	17	5	19	5	18	5	20	5	92
114	1422240140	RAJESH	20	5	18	5	15	4	11	3	16	4	80
115	1422240141	RAJESH GUPTA	13	4	15	4	7	2	6	2	5	2	46
116	1422240143	RAVIKANT YADAV	17	5	18	5	18	5	16	4	17	5	86
117	1422240144	RINKU	14	4	18	5	17	5	15	4	12	3	76
118	1422240145	ROHIT SHARMA	18	5	15	4	18	5	15	4	16	4	82
119	1422240146	ROHIT TRIPATHI	17	5	18	5	18	5	16	4	15	4	84
120	1422240147	ROUSHAN PODDAR	20	5	19	5	19	5	18	5	17	5	93
121	1422240148	RUPESH KUMAR	18	5	17	5	18	5	18	5	17	5	88
122	1422240149	S PRABHU	13	4	12	3	7	2	6	2	5	2	43
123	1422240150	SACHIV TRIPATHI	18	5	17	5	19	5	18	5	20	5	92
124	1422240151	SAGAR	20	5	18	5	15	4	11	3	16	4	80
125	1422240152	SAHIL ARORA	18	5	10	3	13	4	19	5	18	5	78
126	1422240154	SANDEEP JAISWAL	20	5	18	5	15	4	18	5	19	5	90
127	1422240156	SANJEET KUMAR	19	5	18	5	16	4	14	4	14	4	81
128	1422240157	SANJEEV KUMAR	17	5	17	5	16	4	17	5	17	5	84
129	1422240158	SANJEEV PAL	18	5	16	4	18	5	17	5	18	5	87
130	1422240159	SANTOSH KUMAR	18	5	10	3	10	3	8	2	15	4	61
131	1422240160	SARFRAZ ALI ANSARI	10	3	5	2	13	4	14	4	15	4	57
132	1422240161	SATYAM KUMAR	18	5	15	4	18	5	15	4	16	4	82
133	1422240164	SAURABH MISHRA	17	5	18	5	18	5	16	4	15	4	84
134	1422240165	SHADAB HASAN	20	5	19	5	19	5	18	5	17	5	93
135	1422240166	SHAHBAZ AHAMAD	18	5	17	5	19	5	18	5	20	5	92
136	1422240167	SHAHEB AZAD	20	5	18	5	15	4	11	3	16	4	80
137	1422240168	SHAMMI KUMAR	19	5	18	5	16	4	14	4	14	4	81

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517

138	1422240169	SHANKER SHUWAN	14	4	12	3	18	5	18	5	19	5	81
139	1422240170	SHIVAM KUMAR	8	2	10	3	5	2	14	4	15	4	52
140	1422240171	SHIVAM PRATAP	4	1	10	3	13	4	9	3	8	2	44
141	1422240172	SHIVAM YADAV	14	4	18	5	17	5	15	4	12	3	76
142	1422240173	SHIVDUTT KUMAR	18	5	15	4	18	5	15	4	16	4	82
143	1422240174	SHIVSHANKAR PAL	17	5	18	5	18	5	16	4	15	4	84
144	1422240176	SHUBHAM BHADANA	14	4	18	5	17	5	15	4	12	3	76
145	1422240177	SIDDARTH BARUN	8	2	10	3	13	4	7	2	8	2	46
146	1422240178	SIDDHARTHA RAJPOOT	20	5	18	5	15	4	11	3	16	4	80
147	1422240179	ABHINAV SINGH	18	5	10	3	13	4	7	2	8	2	56
148	1422240180	SULTAN SAIFI	14	4	12	3	18	5	18	5	19	5	81
149	1422240181	SURAJ KUMAR	5	2	10	3	8	2	7	2	8	2	38
150	1422240183	TANUDEEP SINGH	17	5	18	5	18	5	16	4	17	5	86
151	1422240184	TARKESHWAR KUMAR	18	5	15	4	18	5	15	4	16	4	82
152	1422240186	TUSHAR ANAND	17	5	18	5	18	5	16	4	15	4	84
153	1422240187	VAIBHAV MISHRA	20	5	19	5	19	5	18	5	17	5	93
154	1422240188	VED PRAKASH	14	4	18	5	17	5	15	4	12	3	76
155	1422240189	VIJAY SHANKAR RAI	5	2	11	3	8	2	7	2	9	3	40
156	1422240190	VIKASH KUMAR	12	3	8	2	8	2	7	2	8	2	43
157	1422240191	VIKASH KUMAR GARG	5	2	10	3	9	2	7	2	8	2	39
158	1422240192	VIKRANT KUMAR	7	2	8	2	7	2	3	1	1	1	26
159	1422240193	VIMAL SHARMA	18	5	15	4	18	5	15	4	16	4	82
160	1422240194	VIPIN KUMAR YADAV	17	5	18	5	18	5	16	4	15	4	84
161	1422240195	VISHAL	20	5	19	5	19	5	18	5	17	5	93
162	1422240197	VISHAL SINGH	18	5	17	5	19	5	18	5	20	5	92
163	1422240199	VISHAL YADAV	20	5	18	5	15	4	11	3	16	4	80
164	1422240200	VIVEK PRASAD	18	5	16	4	18	5	17	5	18	5	87
165	1322240021	ANURAG OJHA	10	3	8	2	5	2	8	2	8	2	39


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122(1)
AutoCAD

Department of Mechanical Engineering
Marks Assessment sheet

Batch 2019-23
session 2020-2021
Sub AutoCAD Training

Methodology		Scale				
		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.

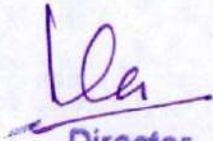
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S.No.	Roll No.	Name of the Students	CO1		CO2		CO3		CO4		CO5		Internal Marks
			10		10		10		10		10		
			Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	Marks	Scale	
1	1822240001	AAKASH	10	9	10	9	10	8	10	8	10	8	40
2	1822240002	ABHIMANYU RAJPUT	10	0	10	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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Department of Civil Engineering
Value Added Course Record (MOCS)

NPTEL (2019-20)

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	Trainee Name	Training Completed Successfully (Y/N)	Certificate (Internal/ External)	Certification Provided (Y/N)
1	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	ABDULLAH KHAN	N	External	N
2	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	AMAN KUMAR GAUR	N	External	N
3	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	ANUJ PRATAP JADOUN	Y	External	Y
4	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	ARIF KHAN	N	External	N
5	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	BAZEELA PARVEEZ	N	External	N
6	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	GAURAV KUMAR MEENA	N	External	N
7	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	HAOBAM BIDYAPATI	N	External	N
8	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	HARSH DEEP	N	External	N
9	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	HEBOKA YEPHTHOMI	N	External	N
10	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	IRFAN HAMEED	N	External	N
11	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	KARAN RAM TIRPATHI	N	External	N
12	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	ARCHANA SINGH	N	External	N
13	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	LIMASANEN LEMTOR	N	External	N
14	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	MD AZHARUDDIN	N	External	N
15	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	RAJ KUMAR	N	External	N
16	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	RAJNEESH KR. SINGH	N	External	N
17	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SHIV KUMAR	N	External	N
18	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SONU KUMAR GUPTA	N	External	N
19	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SURAJ KUMAR TIWARI	N	External	N
20	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SUSHIL PATHAK	N	External	N
21	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	TALIB KHAN	N	External	N
22	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	TARUN SHARMA	N	External	N
23	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	VIKASH RAM TIRPATHI	N	External	N
24	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	VISHAL VERMA	N	External	N
25	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	WASEEM AKRAM	N	External	N
26	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	FALAK	N	External	N
27	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	ARSHEED	N	External	N
28	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SONAKSHI PANDEY	N	External	N
29	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	SUMIT KUMAR THAKUR	N	External	N
30	CE	5	Integrated Waste management for a smart City	60	July, 2019	October, 2019	VISHVAS CHAKRAWARTI	N	External	N

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Department of Electrical & Electronics Engineering

NPTEL Student Participation July 2019
(Session 2019-20)

S. N.	Roll No.	Course ID	Course Name	Name of Student	Score from Assignment (25)	Exam Score (75)	Consolidated Score (%)	Certificate Type
1.	1822221003	noc19-hs65	Patent Law for Engineers and Scientists	ANURAG RISHI	21.47	30	51	Completed
2	1822221009	noc19-hs65	Patent Law for Engineers and Scientists	DHANANJAY KUSHWAHA	16.68			Not Completed
3	1822221010	noc19-hs65	Patent Law for Engineers and Scientists	HARSHIT	18.87			Not Completed
4	1822221011	noc19-hs65	Patent Law for Engineers and Scientists	HIMANSHU YADAV	16.24			Not Completed
5	1822221017	noc19-hs65	Patent Law for Engineers and Scientists	NITENDRA KUMAR	17.85			Not Completed
6	1822221018	noc19-hs65	Patent Law for Engineers and Scientists	PARASNATH YADAV	19.36			Not Completed
7	1822221021	noc19-hs65	Patent Law for Engineers and Scientists	ROHIT SAHU	20.16	32	52	Completed

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[Signature]
(Rajiv Ranjan)

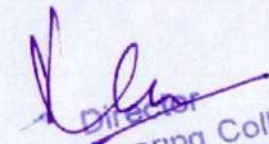
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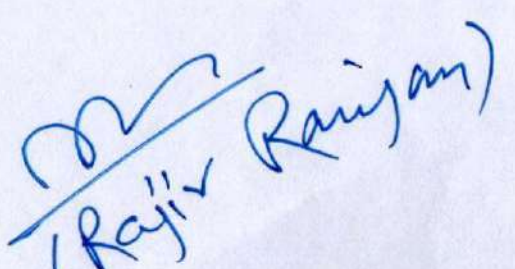
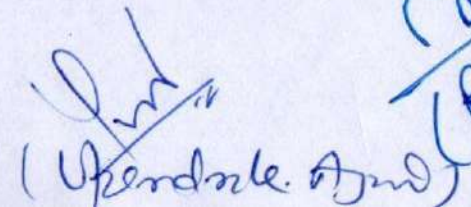
Department of Electrical & Electronics Engineering

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.


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 I.T.S Engineering College
 Greater Noida


 (Rajiv Ranjan)

 (Upendra Kumar)

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			
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

(Vishendra K. Agarwal)

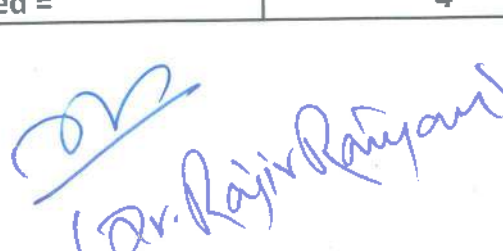
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ITS Engineering College
Greater Noida

(Rajiv Rainyan)

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	


 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)

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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

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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	17222210127	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	17222210127	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.
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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)

[Signature]
 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

I.T.S ENGINEERING COLLEGE

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Ph: (0120) 2331000/1, Website: its.edu.in

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


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


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

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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-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


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


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

I.T.S ENGINEERING COLLEGE

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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-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
Electrical & Electronics Engg.
J. T. S. Engg. College
Greater Noida


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



ITS

ENGINEERING COLLEGE
Estd. 2006

S ENGINEERING COLLEGE, GREATER NOIDA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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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HOD - CSE
I.T.S. Engineering College

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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S ENGINEERING COLLEGE, GREATER NIDA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Value Added Course Record (Internal Trainings)

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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HOD - CSE
I.T.S. Engineering College

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 TIWARI	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

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



HOD - CSE
I.T.S. Engineering College

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Value Added Course Record (Internal Trainings)

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	SUFYAN 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

HOD - CSE
I.T.S. Engineering College

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



HOD - CSE
I.T.S. Engineering College

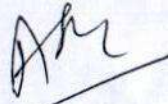



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Value Added Course Record (Internal Trainings)

1	2	3	4	5	6	7	8	9	10	11	12	
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	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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HOD - CSE
I.T.S. Engineering College

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



HOD - CSE
I.T.S. Engineering College

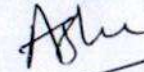
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

I.T.S ENGINEERING COLLEGE, GREATER NOIDA

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	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

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



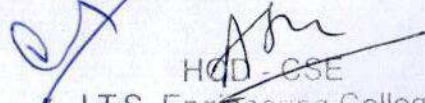
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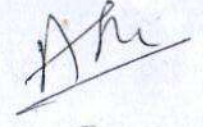
I.T.S ENGINEERING COLLEGE
GREATER NOIDA
(A NAAC Accredited Engineering College)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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	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 SHREELCHAN	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


HOD - CSE
I.T.S. Engineering College

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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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

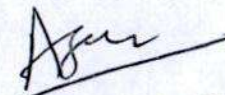

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21-22
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NetAcad

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32	2002220100179	Vikash Gupta	6394563575	vikashguptarg_cse20@its.edu.in


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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
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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
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43	200222010036026	Abhishek	9354860476	abhi60749@gmail.com
44	200222010036032	Aditya Ankit	9693356237	adityaankit2122002@gmail.com
45	200222010036034	Aditya Jha	7087391099	adityajhapi_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	anjali Gupta_cse20@its.edu.in
52	200222010036049	Ankit Kumar	7678475154	ankitkumarak_cse20@its.edu.in
53	200222010036055	Anuj Dwivedi	9555992028	anujdwivedisnd_cse20@its.edu.in
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60	200222010036063	ASHUTOSH YADAV	9140011852	ashutoshyadavjy_cse20@its.edu.in
61	200222010036064	Aviral Nigam	9580213847	aviralnigamsn_cse20@its.edu.in
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Value Added Course Record (Internal Trainings)

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MS. Akshita Shring

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Name of Centre of Excellence:

Soft Pro India Ltd.

Date of Establishment:

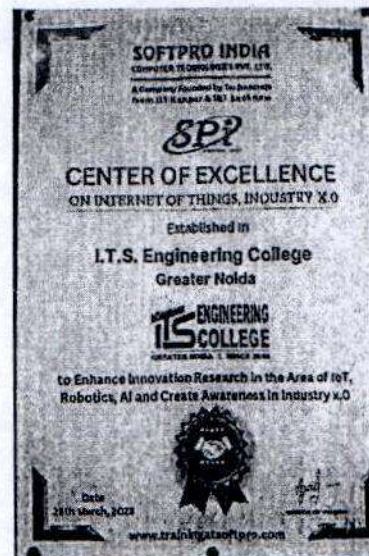
25/03/2023


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. Aron

Evening
Willingness for blood donation
(14/08/2025)

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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 Aii
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
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63	2202220109005	Chaitanya Tripathi
64	2202220109007	Km. Anjali Verma

Aditya Gera
Akshat Sharma

Abhinav Tiwari

Abhishek Kumar
Abhishek Mandal
Abhishek Yadav

Akhand
Akshat Sharma

Akshit Negi
Aman Raj
Aman Singh
Aman Singh


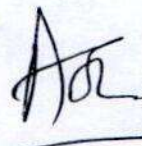
Anil Yadav

Ansh Singh

Arjun

Avinash

Deepak Sharma

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with urgency for Blood
Donation (14/08/2023)

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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	Kalpna 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
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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
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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
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55	2102220100131	Piyush Kumar Singh
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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

→ Lagana

→ Harsh

→ Harsh Pandey

→ Harsh Kumar Dwivedi
Harshvardhan Pathak

→ Harsh

→ Harsh

→ Karan

Kishan's Dast

Kunishna
Kunwar bhagar Singh

Kabshya

Manish

Mritunjay Rai

Neeraj

Yes ✓

→ Nishant (Nishant)

→ Nishant
Nupur Kumari

Patel Piyush
Pragya chaudhary

Krishna Mahto

Sabia Gulzar

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I.T.S. Engineering College


14/6/23

Post Lunch

D.S & ML

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 <i>Block Migration</i>
8	2102220100008	Abhishek Yadav
9	2102220100009	Adarsh Kumar Jha
10	2102220100010	Aditi Deshwal <i>P</i>
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 <i>P</i>
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 <i>P</i>
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 <i>P</i>
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 <i>Dev Rathore</i>
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

Post lunch

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 Saiu
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

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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	RAJSHREE 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 Samukhan
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




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14/6/23

Post lunch

AIML 4th Sem.

Sr. No.	Roll Number	Name	Batch
1	2102221640001	Abhay	G1
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	
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	G2
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	
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	

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Handwritten signatures and scribbles over the table rows.

Handwritten signatures: Devendra Rai, Devesh Pratap Singh.

Handwritten signature: Harsh Vardhan.

Handwritten signature: Karan Singh.

Handwritten signature: Krati Gupta.

Handwritten signature: Sonu Singh.

Handwritten signature: Vaibhav Siroha.

Handwritten signature.

Handwritten signature.

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Training worksheet

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 <i>Aaditya Gera</i>
3	2102220100002	AASHISH SHARMA
4	2102220100004	Abhinav Gaur <i>Abhinav</i>
5	2102220100005	Abhinav Tiwari
6	2102220100006	ABHISHEK KUMAR
7	2102220100007	Abhishek Mandal
8	2102220100008	Abhishek Yadav
9	2102220100009	Adarsh Kumar Jha <i>Adarsh</i>
10	2102220100010	Aditi Deshwal <i>Aditi</i>
11	2102220100011	Aditya Dagur <i>Aditya</i>
12	2102220100012	Aditya Kumar
13	2102220100013	ADITYA KUMAR
14	2102220100014	ADITYA PRATAP SINGH
15	2102220100016	Aditya Sharma <i>Aditya</i>
16	2102220100017	Aditya Shukla
17	2102220100018	Ajay Pratap Singh
18	2102220100020	Akanksha Sahu <i>Aakanksha</i>
19	2102220100021	AKHAND PRATAP CHAND
20	2102220100022	Akshat Sharma <i>Akshat</i>
21	2102220100023	Akshit Negi <i>Akshit</i>
22	2102220100024	Aman Raj
23	2102220100025	Aman Singh <i>Aman</i>
24	2102220100026	Aman Soni <i>Aman Soni</i>
25	2102220100027	Aman Tiwari <i>Aman Tiwari</i>
26	2102220100028	Aman Yadav <i>AMAN YADAV</i>
27	2102220100030	Amit Biswas <i>Amit</i>
28	2102220100031	Anant Kumar Sharma
29	2102220100032	Anil Yadav
30	2102220100033	Anjesh Kumar
31	2102220100034	Ankit Kumar <i>Ankit</i>
32	2102220100035	Ankit Kumar
33	2102220100037	Ankit Patel <i>Ankit</i>
34	2102220100038	Ankit Rai <i>Ankit Rai</i>
35	2102220100039	Ankit Vishwakarma
36	2102220100040	ANKUL KUMAR <i>Ankul</i>
37	2102220100041	ANSH SINGH <i>Anshu Singh</i>
38	2102220100042	Anshika Solanki <i>Anshika</i>
39	2102220100043	Anuj Bhati
40	2102220100044	Anuj Gupta
41	2102220100045	Anupriya Gupta <i>Anupriya</i>
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 <i>Danish</i>
55	2102220100062	Deepak Sharma
56	2102220100063	Deepak Singh <i>Deepak</i>
57	2102220100064	Deepanshu Sharma <i>Deepanshu</i>
58	2102220100066	DEV RATHORE <i>Dev Rathore</i>
59	2102220100068	Dhriti Shekhar <i>Dhriti</i>
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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14/6/23

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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	GUNGAN 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 Shrivhare
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
Harsh

Harshvardhan

Isha

Ishika

Kalpana

Kamal Singh

Kartikey

Kartikey Shakya

Kishan

Krishna

Kunwar

Kushagra

Lakshya

Lokesh

Manasvi

Manish

Manish

Manjeet

Mayank

Md. Adil

MD. SERAJ

Moh. Faizan

Mohd Saad

Mohd Uvesh

Mritunjay

Mukul

Navya

Neeraj

Niharika

Niharika

Nikhil

Nikhil

Nisar

Nishant

Nitin

Nityam

Nityanav

Nupur

Parthivi

Patel

Piyush

Pragya

Jatin

Krishna

Krishna

Md. Asharaf

Mir Sabreena

Ranjan

Rohit

Sabia

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 <i>Prakhar</i>
2	2102220100134	Prakhar Prakash Singh <i>Prakhar</i>
3	2102220100136	Priya Kumari
4	2102220100137	Priya Sah Deo <i>Priya</i>
5	2102220100139	Raj Rajput <i>Raj Rajput</i>
6	2102220100140	RAJA PRASAD <i>Raj Prasad</i>
7	2102220100141	RAJSHREE <i>Rajshree</i>
8	2102220100144	Rohan <i>Rohan</i>
9	2102220100145	Rohan Kumar <i>Rohan Kumar</i>
10	2102220100146	Rohit Sharma <i>Rohit</i>
11	2102220100147	Roshan Singh
12	2102220100148	Sachin Kumar
13	2102220100149	Sachin Kumar <i>Absent</i>
14	2102220100150	Sagar Singh <i>Absent</i>
15	2102220100151	Saiba Ajaz
16	2102220100152	Saif Ahmad Ansari
17	2102220100154	Saksham Vasistha <i>Saksham</i>
18	2102220100155	SANDEEP KUMAR YADAV <i>Sandeep</i>
19	2102220100156	Sandeep Sharma
20	2102220100158	SATYAM SINGH
21	2102220100159	Satyam Singh Kushwaha
22	2102220100160	Saurabh Kumar Jha
23	2102220100161	Shahnawaz Khan <i>Shahnawaz</i>
24	2102220100162	Shivansh Seth
25	2102220100163	Shivansh Sharma
26	2102220100164	Shivesh Kumar Jha
27	2102220100165	SHREYA UPADHYAY <i>Shreya</i>
28	2102220100166	Shruti Pragya
29	2102220100167	Shrutika Dhiraj Patel
30	2102220100168	Shubham Mishra <i>Shubham Mishra</i>
31	2102220100169	Siddhant Jadoun
32	2102220100170	Siddharth Ojha <i>Siddharth Ojha</i>
33	2102220100171	Somil Bhardwaj
34	2102220100172	SRIJAN SHUKLA <i>Srijan Shukla</i>
35	2102220100176	Suraj Kumar Prasad <i>Suraj Prasad</i>
36	2102220100177	Sushant Kumar
37	2102220100178	Sweta Mishra
38	2102220100179	Syed Aqib Abbas
39	2102220100181	Tarun Kumar Dubey <i>Tarun Kumar</i>
40	2102220100182	TARUN SINGH <i>Tarun Singh</i>
41	2102220100183	Tulshi Sharma
42	2102220100184	Uttpal Kant <i>Uttpal</i>
43	2102220100185	VAIBHAV KUMAR SINGH <i>Vaibhav</i>
44	2102220100186	Vaishali Chaurasia
45	2102220100188	Varun Sharma <i>Varun</i>
46	2102220100189	Varun Tyagi <i>Varun Tyagi</i>
47	2102220100190	VIDHI BHATI
48	2102220100191	Vikas Mahto <i>Vikas Mahto</i>
49	2102220100192	Vikash Tiwari <i>Vikas</i>
50	2102220100193	Vinay Kumar Solanki <i>Vinay Solanki</i>
51	2102220100194	Vinay Yadav <i>Vinay</i>
52	2102220100195	Vipin Kumar <i>Vipin</i>
53	2102220100196	Vipul Upadhyay
54	2102220100197	Vishal Bhardwaj
55	2102220100198	Vishnu Kumar
56	2102220100199	Vishnu Singh <i>Vishnu Singh</i>
57	2102220100200	Vishu <i>Vishu</i>
58	2102220100201	Yash
59	2102220100202	Yash Joshi
60	2102220100203	Yatin Kasnyal <i>Yatin</i>
61	2202220109014	Rohit Patel
62	2202220109017	Vivek Pandey <i>Vivek</i>

HOD - CSE
I.T.S. Engineering College

14/06/23

Pre-lunch

DS & M₁

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	Aditya
5	2102221640008	Afzal Ansari	
6	2102221640009	Akshita Khanduri	Akshita
7	2102221640010	Amrendra Chaudhary	
8	2102221640011	Angeel Sharma	
9	2102221640012	Anshuman	
10	2102221640013	Anuj Kumar	Anshuman
11	2102221640014	Aryan Yadav	Anuj
12	2102221640015	Ashmit Paul	Ashmit
13	2102221640016	Biswajeet Samal	Biswajeet G1
14	2102221640017	Chandan Vaishnav	Chandan
15	2102221640018	Deepanshu Choudhary	Deepanshu
16	2102221640019	Devendra Rai	Devendra Rai
17	2102221640020	Devesh Pratap Singh	Devesh
18	2102221640021	Divyanshu Pandey	
19	2102221640022	Hariom Sharan Singh	
20	2102221640023	Harsh Srivastav	Harsh Srivastav
21	2102221640024	Harsh Vardhan	Harsh
22	2102221640025	Hritik Kumar	Hritik
23	2102221640026	Kamayani Pandey	
24	2102221640027	Karan Singh	Karan
25	2102221640028	Kasim	Kasim
26	2102221640029	Khemendra Kumar	
27	2102221640031	Krati Gupta	Krati
28	2102221640032	Kunal Goyal	Kunal
29	2102221640033	Manish Kumar	Manish
30	2102221640041	Priyanshu Mishra	Priyanshu
31	2102221640042	Rishabh Sahu	
32	2102221640043	Rishabh Sharma	Rishabh Sharma
33	2102221640044	Riya Tripathi	
34	2102221640045	Shivam Singh	Shivam
35	2102221640047	Sonu Singh	Sonu
36	2102221640048	Sumit Jha	Sumit
37	2102221640049	Suryansh S Garg	Suryansh S Garg G2
38	2102221640052	Vaibhav Siroha	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	Varun Tiwari
48	2202221649010	YASH RAJ SHARMA	Yash Raj Sharma

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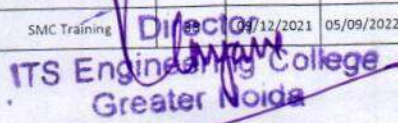
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HOD - CSE
I.T.S. Engineering College


27 Present

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	SOHAB 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



ITS Engineering College
Greater Noida


 Head of Department
Mechanical Engineering

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.

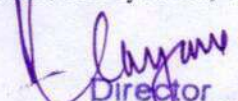
Filters and Regulators: Micro filters, main line filters, filter selection, filtering level, pressure regulation, filter regulators, pilot operated regulators, sizing of regulators and filters.

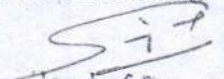
Actuators: Linear cylinders, Single acting cylinders, double acting cylinders, cylinder construction, special cylinder, cylinder sizing, cylinder force, Rotary actuators, sizing rotary operation, locking cylinders, rodless cylinders, air chucks.

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

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

Kalyans

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.

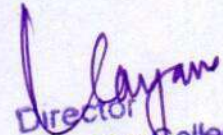
Solenoid Valves: Operation, skinner principle, power valves, pilot operation, reliability of valves.


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.

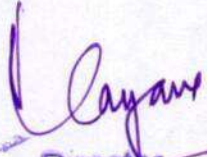

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ITS Engineering College
Greater Noida


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


Head of Department
MECHANICAL ENGINEERING


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

S.T.
 Head of Department
 MECHANICAL ENGINEERING

K. Jayas
 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:

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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.

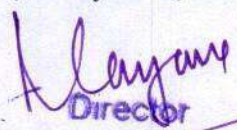
Filters and Regulators: Micro filters, main line filters, filter selection, filtering level, pressure regulation, filter regulators, pilot operated regulators, sizing of regulators and filters.

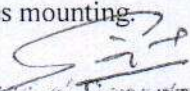
Actuators: Linear cylinders, Single acting cylinders, double acting cylinders, cylinder construction, special cylinder, cylinder sizing, cylinder force, Rotary actuators, sizing rotary operation, locking cylinders, rodless cylinders, air chucks.

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
JSS 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.

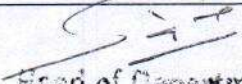
Safety in Automation: Compressed air safety, electric current safety, effect of electric current on humans, safety measures.

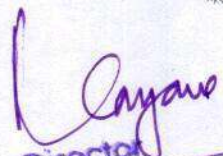
K. Jayaram
Director
ITS Engineering College
Greater Noida

S. I. P.
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

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/ZHNIKyYzrPE>

YouTube:

<https://youtu.be/mBSB9qCfl54>


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ITS Engineering College
Greater Noida



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/mBSB9qCf154>

Rajay
Director
ITS Engineering College
Greater Noida

Kausar

Ray

NI : Evaluation Rubric (Process)

Department of Electronics & Communication Engineering

NI- COE

NI COE: Beginner Course to LabVIEW

Expected Criteria	Scale				
	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.

Pragathi

Director
ITS Engineering College
Greater Noida

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	I.CE	3rd and 4th	Beginning to LabVIEW Course	44	Abhinav Kumar Kanth	44	27	61	N
2	I.CE	3rd and 4th	Beginning to LabVIEW Course	44	Abhishhek Yadav	44	36	81	Y
3	I.CE	3rd and 4th	Beginning to LabVIEW Course	44	Anjan Pratap Singh	44	33	76	Y
4	I.CE	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	I.CE	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

Abhishek

20/01/22

Gayatri
Director
Engineering College
Greater Noida

			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

Abhishek

[Signature]

K. Gagan
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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

Prashanti

Prashanti

Prashanti
 Director
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 Greater Noida

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/mBSB9qCf154>



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Greater Noida



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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Pranathi

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

Expected Criteria	Scale				
	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.

Pranav

Rayan

Director
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Greater Noida

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

Deepak

Deepak

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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

Rajpatti

RS


K. Aggarwal

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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 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 communica tion among LabVIEW hardwares (CO5)		Total Marks	Course Completed
			20		20		20		20		20			
			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

Rayan
 Director
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 Greater Noida

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		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

Rayan

21-22

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

Beginner Course: Embedded Systems (PART-1) IIIrd 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.

Ravipathi

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K. Jayan
Director
ITS Engineering College
Greater Noida

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 components.	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.

Pratapathi

Pratapathi

Pratapathi
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ITS Engineering College
Greater Noida

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 extent	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.

Rupali

29/11

[Signature]
 Director
 ITS Engineering College
 Greater Noida

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			
			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	

Pranav
Pranav

	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

L. Aggarwal
 Director
 ITS Engineering College
 Greater Noida

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

P. Gupta *P. Gupta*

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.

Shubhatu

Shubhatu

Shubhatu

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Greater Noida

Department of Electronics & Communication Engineering

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.

Pranav Pathi

PPG

Director
**ITS Engineering College
Greater Noida**

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 programming and 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.

Praveen *Ag*

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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.

Kaushik
Kaushik

K. Jayaram
Director
ITS Engineering College
Greater Noida

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

K. Gayan
 Director
 ITS Engineering College
 Greater Noida

Principals

PPG

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

Praveen

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ITS Engineering College
Greater Noida

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

[Signature]
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 I.T.S Engineering College
 Greater Noida

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

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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	HIFENDRA 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

Layana
Director
ITS Engineering College
Greater Noida

P.P.

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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 Director
 ITS Engineering College
 Greater Noida

Pathi



I.T.S Engineering College, Greater Noida.
DEPARTMENT OF CIVIL ENGINEERING
CAD Training (AutoCAD)

AUTOCAD TRAINING BROCHURE

SESSION: 2021-22

Director
ITS Engineering College
Greater Noida

Head of Dept.
Dept. of Civil Engg.
I.T.S Engineering College
Greater Noida

CAD Training (AutoCAD)

Topics

Major Topics	Topics to be covered
Introduction	About Auto Cad , Hardware & Software
General Concept	Mvsotup
	Co-Ordinate Object Selection
	object Snap System
Drawing tools:	Line
	X-line
	Arc
	Point
	Rectangle
	Circle
	Polyline
	Polygone
	Elips
	Text
	Mtext
	ED
	Modify tools:
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	
	Coordinate 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 Sheat (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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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, Model 2, Model 3, Model 4
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	16	80	Y	Internal	N	9648061353
9	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	RAGHVENDRA SINGH	20	18	90	Y	Internal	N	9729420419
10	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	VISHAL CHAUHAN	20	20	100	Y	Internal	N	7464932125
11	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ADITYA PRAKASH CHAUHAN	20	14	70	Y	Internal	N	9667562964
12	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	ATIF BIN ZULFI	20	16	80	Y	Internal	N	9760807844
13	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	DIVYANSH SINGH	20	18	90	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	20	100	Y	Internal	N	8795975146
16	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	KULDEEP KR. VARUN	20	4	20	N	Internal	N	9999562144
17	CIVIL ENGINEERING	3	AutoCAD	40	14-09-2021	25-01-2022	PRAFULL KR. SINGH	20	18	90	Y	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	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	2002220000003	ANMOL GUPTA	P	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	2002220000004	HRITIK KUMAR	A	A	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	2002220000005	MADIYA FAYAZ	A	P	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A
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	P	P	P	P	P	P	P	P	P	P	P	P	P
8	2002220000008	FRIYANSHU SINGH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
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	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	P	A
12	2102220009002	ATIF BIN ZULFI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
13	2102220009003	DIVYANSH SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	2102220009004	FARHAN ALI KHAN	A	A	P	P	P	A	A	P	P	P	P	P	P	P	A	A	A	A	A	A
15	2102220009005	GAURAV MAURYA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	A	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	A	A	A	P	P	P	P
18	2102220009008	SAMAR REYAZ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	2102220009009	VIVEK RAJ	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 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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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		
			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	2107220009008	SAMAR REYAZ	8	5	19	5	8	5	7	4	42
19	2107220009009	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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DEPARTMENT OF CIVIL ENGINEERING
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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STAAD PRO TRAINING

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	9102557564
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	A	P	P	P	A	P	P	P	P	P	P
3	2002220000003	ANMOL GUPTA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	2002220000004	HRITIK KUMAR	A	A	P	P	P	P	A	A	P	P	A	A	P	P	P	P	P	P	P	P
5	2002220000005	MADIYA FAYAZ	A	P	P	P	P	P	P	P	P	P	A	P	A	A	A	A	A	P	A	A
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	P	A	P	P	P	P	P	P	P	P	P	P	P	P
9	2002220000009	RAGHVENDRA SINGH	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	A
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	P	P	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	P	P	A	A	P	P	P
15	2102220009005	GAURAV MAURYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P
16	2102220009006	KULDEEP KR. VARUN	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	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	P	P	P	P
18	2102220009008	SAMAR REYAZ	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	A	A	A	A
19	2102220009009	VIVEK RAJ	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	A	A	P	P

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Greater Noida

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		
			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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I.T.S Engineering College, Greater Noida.
DEPARTMENT OF CIVIL ENGINEERING
CAD Training (AutoCAD)

Page 1

AUTOCAD TRAINING BROCHURE
SESSION: 2022-23

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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
Inquiry Tools:	Redo
	Dist
Properties:	ID
	Area , List
	Layer
	Line Type
	Line-Wt
Managing Contents:	Match Properties
	Ltscale
	Apply on Exercises (10 No)
	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
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
Revolve	
Intersect	
Sweep	
Loft	

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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, Model 2, Model 3, Model 4
Exercises on 3d	Model 5, Model 6, -- Model 12
Practice Sheet-1	
Practice Sheet-2, Final Assesment	Practice Sheet-2, Final Assesment AutoCAD

K. Anjan

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I.T.S ENGINEERING COLLEGE
GREATER NOIDA
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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	7906384339
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	971762758
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

Mayank
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S.A.
10.05
Dept. of Civil Engineering
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Greater Noida

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

CIVIL ENGINEERING DEPT. 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	A	P	P
3	2102220000004	ARYA VEER	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
4	2102220000005	DEVANSH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
5	2102220000006	DEVANSHU	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	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	P	P	P	P	P	P	P	P	P	P	A	P	P
8	2102220000011	PRATYAKSH SACHAN	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
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	P	P	P	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	A	A	A	A
15	2202220009003	DUSHYANT SHARMA	P	P	P	A	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
16	2202220009004	HIMANSHU	P	P	P	P	P	P	P	P	P	P	P	A	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	P
19	2202220009007	NIKHIL KUMAR SHAKYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	2202220009008	ROAF ISHAQ WANI	A	A	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	A
21	2202220009009	TANNU DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	2202220009010	UDAY PRATAP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P

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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		
			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	8	5	41
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	27	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 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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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 DEPT. 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	A	P	P	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	P	P	P	P	P	P	P
13	2202220009001	DEVENDRA PRATAP YADAV	P	P	P	P	A	A	P	P	P	P	P	P	P	A	A	P	P	P	P	P
14	2202220009002	DINESH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P
15	2202220009003	DUSHYANT SHARMA	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	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	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	2202220009007	NIKHIL KUMAR SHAKYA	P	P	P	P	P	P	P	P	A	P	P	P	P	P	A	A	A	P	P	P
20	2202220009008	ROAF ISHAQ WANI	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
21	2202220009009	TANNU DEVI	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	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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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.

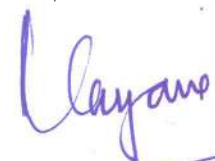
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Course Outcome (COs)	
CO-1	Able to complete object-oriented instinctive 2D and 3D graphic model generation.
CO-2	Know the use of simple command language and built-in command file editor.
CO-3	Able to perform accurate and numerically efficient plate & 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	SEMITIYANGER 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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2022-23

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Department of Electronics & Communication Engineering

Centre of Excellence - IOT & Robotics Concept Lab

(Module-I)

BTech-IIInd 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

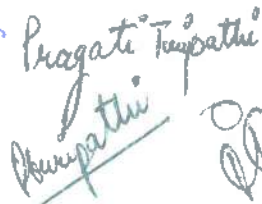


Familiarization with concept of IoT, Perform necessary Arduino installation, Arduino Basics, Concept of Embedded C Programming, Arduino Board Layout and Architecture, Arduino Shields and Libraries, Arduino Web Editor reading from sensors and writing to sensors.

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.



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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

Anupam

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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.

Abhishek Sharma

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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 Siddharth Kumar	40	37	92	Y
20	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sneha	40	37	92	Y
21	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Sonu Kumar	40	33	82	Y
22	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Urvesh Saifi	40	32	80	Y
23	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Abhijeet	40	39	98	Y
24	ECE	3rd & 4th	IOT & Robotics Concept Lab	40	Rahul	40	29	72	N
25	ECE	3rd & 4th	IOT & Robotics Concept Lab	40		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 Microcontroller.
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

Abhishek

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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	Prashant	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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Abhinav

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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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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

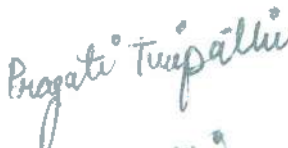

Controlling Servo Motor using ATmega 2560, Timer Overflow Interrupt using ATmega 2560, Position Control Interrupt using ATmega 2560 & Serial Communication using ATmega 2560.

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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Anupama



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 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	Prashant	40	32	81	Y
21	ECE	5th & 6th Sem	IOT & Robotics Lab	40	Vivek	40	33	83	Y

Praveen

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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

Kaushik



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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

Prasipathi

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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. Gulab 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

Keeripathi

APL

Rayan

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