Agni College of Technology
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited by NBA, New Delhi, An ISO 9001:2015 Certified Institution.
OMR, Thalambur, Chennai - 600130, www.act.edu.in

VENDORS NAME: NSIC

CLASS: III & IV EEE (5TH & 7TH Semester)

SUBJECT: ELECTRICAL SUBSTATION & TRANSFORMERS

S.No	Topic
1	Electrical Safety
2	Study of Generating station
3	Study of Substation
4	Study of Current Transformer
5	Measurement Instruments
6	AC Circuits
7	DC Circuits
8	Design of AC Circuit, DC Circuit
9	Identification of equipment
10	Study of Potential transformer
11	Study of Circuit breaker
12	Study of Power transformer
13	CT Testing
14	PT Testing
15	Assessment - I
16	Study of Isolator
17	Earthing
18	Study of cables and Types of cables
19	Lightning Arrester
20	Earth switch
21	Circuit Breaker Testing
22	Motor Testing
23	Study of scheme (General)
24	Study of closing circuit
25	Study of Tripping circuit
26	Power transformer testing
27	Earth bit testing
28	Study of Interlock circuit
29	Study of Relay (Electro mechanical)
30	Auxiliary testing
31	Electro mechanical Relay testing
32	Study of Relay (Numerical)
33	Panel diagram design
34	Bill of Materials creation
35	Standards for making Electrical diagram
36	Cable schedule preparation
37	Panel scheme check
38	Final Assessment (Practical and Theory) & Feedback

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VENDORS NAME: NSIC

CLASS: III EEE (6TH Semester)

SUBJECT: EMBEDDED SYSTEMS WITH IoT

S.No	Topic	Week
1	Introduction to Micro controllers	1
2	Microcontrollers and Industrial applications	
3	Introduction to Embedded Design	
4	Demo of Embedded boards	
5	8051 architecture	2
6	8051 Instruction set	
7	Setting up development environment - 8051	
8	8051 - Interfacing LEDs	
9	8051 - Interfacing switches	
10	8051 - Interfacing keypad	
11	8051 - Registers	3
12	8051 - Timers	
13	Serial Communication	
14	8051 - 7 segment led	
15	8051 - lcd interfacing	
16	Sensors	4
17	Actuators	
18	Sensors Interfacing	
19	Actuators Interfacing	
20	Developing 8051 based projects	5
21	Introduction to PIC Micro controllers	6
22	PIC architecture	
23	PIC Instruction set	
24	PIC - Interfacing LEDs	
25	PIC - Interfacing switches	
26	PIC - Interfacing keypad	
27	PIC - Registers	7
28	PIC - Timers	
29	PIC - ADC	
30	PIC - 7 segment led	
31	PIC - lcd interfacing	
32	Developing 8051 based projects	8
33	ARM Cortex series Introduction	9
34	ARM tools setup	
35	GPIO interfacing in ARM	
36	Introduction to wireless protocols (Zigbee, Bluetooth & GPS)	10
37	Implementing wireless protocols in ARM	
38	Developing ARM based projects	11
39	Introduction to RTOS	12
40	Assessment & Feedback	