Department of Eltx.& Comm. Engg.

LESSON PLAN

Program Name	Diploma in Eltx. & Comm. Engg.
Course Name	Computer Network
Course Code	-
Course Co-ordinator Name	Sh. Anil Kumar

Evaluation Scheme

Sr.no.	Course Name	Study scheme (Hrs./Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Computer Networks	4 (Th.) 2(Pr.)	30	20	100	50
Reference Books	(i)Computer Network by J.S. Katre					
	(ii)Computer Networks by Tanenbaum					
	(iii)Data Communications and Networking by Forouzan					

Course Outcomes (COs)

CO 1	To study the network basis like type of network and topologies
CO 2	To study the OSI & TCP/IP Reference model in computer network
CO 3	Tostudy the various cable and connector used in computer networking
CO 4	To study the different networking devices
CO 5	To study the various networking trouble shooting tool

Teaching Plan

Name of Topic	Proposed Date	Actual Date	Remarks
What is network Server Client Network	14-2-2023		
Peer-to –peer Network	15-2-2023		
Server Client Network	16-2-2023		
LAN, MAN and WAN	20-2-2023		
Network Services	21-2-2023		
Topologies	22-2 -2023		
Topologies	23-2-2023		
Switching Techniques	27-2-2023		
Switching Techniques	28-2 2023		
Revision	1-3-2023		
OSI Reference Model, functions of layers in OSI reference model	2-3-2023		
OSI Reference Model, functions of layers in OSI reference	6-3-2023		

model	7-3-2023		
OSI Reference Model, functions of layers in OSI reference model	9-3-2023		
TCP/IP reference model, TCP/IP network mode	13-32023		
TCP/IP reference model, TCP/IP network mode	14-3-2023		
Stan-dards	15-3-2023		
Stan-dards	16-3-2023		
Revision	20-3-2023		
Concept of physical and logical addressing Different classes of IP addressing, special IP address			
Concept of physical and logical addressing Different classes of IP addressing, special IP address	14-3-2023		
Concept of physical and logical addressing Different classes of IP addressing, special IP address	15-3-2023		
Sub netting and super netting	16-3-2023		
Class test-I	20-3-2023		
Loop back concept	21-3-2023		
IPV4 and IPV6 packet Format Configuring IPV4 and IPV6	22-3-2023		
IPV4 and IPV6 packet Format Configuring IPV4 and IPV6	23-3-2023		
Revision	27-3-2023		
Types of Cables(Coaxial, Twisted Pair)	28-3-2023		
Shielded and Unshielded Pair of Cables (Straight wire Cable, Cross Over Cables) with Colour coding.	29-3-2023		
Ethernet Specification and Standardization: 10 Mbps (Traditional Ethernet), 100 Mbps (Fast Ethernet) and 1000 Mbps (Gigabit Ethernet), Leased lines.	3-4-2023		
Ethernet Specification and Standardization: 10 Mbps (Traditional Ethernet), 100 Mbps (Fast Ethernet) and 1000 Mbps (Gigabit Ethernet), Leased lines.	4-4-2023		
Use of RJ45, RJ11, BNC, SCST.	5-4-2023		
Revision	6-4-2023		
Network connectivity Devices NICs	10-4-2023		
Hubs	11-4-2023		
Repeaters	12-4-2023		
Switches	13-4-2023		
Routers and Routing Protocols.	17-4-2023		
Revision	18-4-2023		
Class Test -II	19-4-2023		
Trouble Shooting process	20-4-2023		
Trouble Shooting Tools: PING,IPCONFIG, IFCONFIG	24-4-2023		
Trouble Shooting Tools: PING,IPCONFIG, IFCONFIG	25-4-2023		
NETSTAT	26-4-2023		
TRACEROOT	27-4-2023		
Wiresharp	1-5-2023		
Dsniffer/ Pcop	2-5-2023		
Revision	3-5-2023		
Basics of Wireless: Wireless MAN,	4-5-2023		
Networking	8-5-2023		
Wireless LAN	9-5-2023		
Wi-Fi	10-5-2023		
WiMax (Broad-band Wireless)	11-5-2023		

Li-Fi	15-5-2023		
Revision	16-5-2023 to 8-6-2023		

Assignments

Assignment Serial	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
A-1	Unit –I,II,III	29-3-2023		
A-2	Unit-IV,V,VI	1-05-2023		

House Test/Class Test

Name of test	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
Class Test-I	30 % of syllabus	20-3-2023		
Class Test-II	next 30 % of syllabus	19-4-2023		
House Test	80% of syllabus	2nd week of May		

Lab Plan

Name of Practical	Proposed Date G-I	Proposed Date G-II	Actual Date G-I	Actual Date G-II	Remarks
Recognize the physical topology and cabling (coaxial, OFC, UTP, STP) of a network.	17-2-2023	15-2-2023			
Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST	24-2-2023	22-2-2023			
Recognition and use of various types of connectors RJ-45, RJ-11,BNC and SCST	3-3-2023	1-3-2023			
Making of cross cable and straight cable.	10-3-2023	15-3-2023			
Install and configure a network interface card in a workstation.	17-3-2023	22-3-2023			
Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation	24-3-2023	29-3-2023			
Identify the IP address of a workstation and the class of the address and configure the IP Address on a workstation	31-3-2023	5-4-2023			
Study and demonstration of sub netting of IP address	21-4-2023	12-4-2023			
Study and demonstration of sub netting of IP address	28-42023	19-4-2023			
Use of Netstat and its options.	12-5-2023	26-4-2023			
Connectivity troubleshooting using PING, IPCONFIG, IFCONFIG	19-5-2023	3-5-2023			
Revision	26-5-2023 to 9-6-2023	10-5-2023 to 7-6-2023			

(Signature Of Teacher)
Anil Kumar

(Signature in H.O.D.) I/C
(Anil Kumar)

Department of Eltx.& Comm. Engg.

LESSON PLAN

Program Name	Diploma in Eltx. & Comm. Engg.
Course Name	PLC & SCADA
Course Code	-
Course Co-ordinator Name	Sh. Pawan Kumar Vardhan

Evaluation Scheme

Sr.no.	Course Name	Study scheme (Hrs./Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	PLC & SCADA	4 (Th.) 2(Pr.)	30	20	100	50
Reference Books	Programmable Logic Controllers and Industrial Automation, Madhuchhanda Mitra,					
	Process Control Instrumentation Technology, Curtis D. Johnson					
	Process Control –Principles & Applications, Surekha Bhanot					

Course Outcomes (COs)

CO 1	To know the basics of latest controlling techniques like DCS,SCADA and Programmable Logic Controllers, their working and their programming
CO 2	To know the working and programming of DCS ,SCADA and PLC
CO 3	To Design ,Modify and troubleshoot the PLC & SCADA control circuit

Teaching Plan

Name of Topic	Proposed Date	Actual Date	Remarks
Concept of PLC	15-02-2023		
Relays based logic circuits, limitations of relays based logic circuit	20-02-2023		
Advantages of PLCs over electromagnetic relays based logic circuits	21-02-2023		
Different programming languages used in PLC,	21-02-2023		
Different programming languages used in PLC,	22-02-2023		
PLC specifications	27-02-2023		
Revision	28-02-2023		
Basic operation and principle of working of PLC	28-02-2023		
Architectural details of PLC	01-03-2023		
Input & Output Modules in PLC	06-03-2023		
Opto-isolation Circuit in PLC and its need	07-03-2023		
Memory structures in PLC	07-03-2023		
HMI (Human Machine Interface) used in PLC system	13-03-2023		
Power supply requirements in PLC	14-03-2023		
Revision	14-03-2023		
Class Test -I	15-03-2023		
Addressing in PLC: I/O Address	20-03-2023		
Basic instructions: Examine ON, Examine OFF, Latch/Unlatch, Output Energize, Hold ON	21-03-2023		
Timer instructions: On delay timer, Off delay timer	22-03-2023		

Timer instructions: retentive/non-retentive timers, resetting of timers	27-03-2023		
Counter instructions: Up Counter, Down Counter, resetting of counters	28-03-2023		
Counter instructions: Up Counter, Down Counter, resetting of counters	28-03-2023		
Sequencers	29-03-2023		
Sequencers	03-04-2023		
Comparison instructions like equal, not equal, greater, greater than equal, less than, less than equal	04-04-2023		
Comparison instructions like equal, not equal, greater, greater than equal, less than, less than equal	04-04-2023		
Introduction to Ladder Logic programming	05-04-2023		
Ladder logic programming examples based on basic instructions	10-04-2023		
timer and counter instructions	11-04-2023		
Simple Applications of PLCs: Bottle filling Process	11-04-2023		
Class Test –II	12-04-2023		
Traffic Light Control	17-04-2023		
Material handling	18-04-2023		
Elevator	18-04-2023		
Oven Control	19-04-2023		
Stirred tank reactor (Process Control)	24-04-2023		
Stirred tank reactor (Process Control)	25-04-2023		
Forward/reverse control of motor using PLC	25-04-2023		
Forward/reverse control of motor using PLC	26-04-2023		
Revision	01-05-2023		
Introduction & History of DCS	02-05-2023		
Hierarchical Architecture of DCS	02-05-2023		
Hierarchical Architecture of DCS	03-05-2023		
System Elements of DCS(Field Station, Intermediate Station and Central Computer Station)	15-05-2023		
System Elements of DCS(Field Station, Intermediate Station and Central Computer Station)	16-05-2023		
Advantages and Disadvantages of DCS	16-05-2023		
Definition of SCADA	17-05-2023		
Major elements of SCADA	23-05-2023		
Major elements of SCADA	23-05-2023		
Advantages and Disadvantages of SCADA	24-05-2023		
Application areas of SCADA	29-05-2023		
Application areas of SCADA	30-05-2023		
Comparison of PLC	30-05-2023		
Comparison of PLC	31-05-2023		
Revision	05-06-2023		
Revision	06-05-2023		
Revision	06-05-2023		
Revision	07-05-2023		

Assignments

Assignment Serial	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
A-1	Unit –I,II,	14-03-2023		
A-2	Unit- III ,IV	01-05-2023		

House Test/Class Test

Name of test	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
Class Test-I	30 % of syllabus	15-03-2023		
Class Test-II	next 30 % of syllabus	12-04-2023		
House Test	80% of syllabus	2nd week of May		

Lab Plan

Name of Practical	Proposed Date		Actual Date		Remarks
	G-I	G-II	G-I	G-II	
Develop a ladder logic Program for Elevator.	25-02-2023	17-02-2023			
Develop a ladder logic Program for Oven Control	04-03-2023	24-02-2023			
Develop a ladder logic Program for Bottle Filling	18-03-2023	03-03-2023			
Develop a ladder logic Program for Stirrer Tank Control	25-03-2023	10-03-2023			
Develop a ladder logic Program for Stirrer Tank Control	01-04-2023	17-03-2023			
Develop a ladder logic Program for Switching of Lights	29-04-2023	24-03-2023			
Develop a ladder logic Program for Switching of Lights	06-05-2023	31-03-2023			
Study of basic SCADA system. Study of basic DCS system	20-05-2023	21-04-2023			
Study of basic SCADA system. Study of basic DCS system	27-05-2023	28-04-2023			
Revision	03-06-2023	12-05-2023			
Revision		19-05-2023			
Revision		26-05-2023			
Revision		02-06-2023			
Revision		09-06-2023			

(Signature of HOD)/OIC

(Signature of Teacher)

LESSON PLAN

Program Name	Electronics & Communication Engineering
Course/Subject Name	Microcontroller & Embedded System
Course/Subject Code	Core Subject
Course/Subject Co-ordinator Name	Aradhana

Evaluation Scheme

Sr.no.	Subject Name	Study scheme (Hrs/Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
	Microcontroller & Embedded System		Theory	Practical	Theory	Practical
		4(Th) 2(Pr)	30	20	100	50

Reference Books	(I)	Microcontrollers by Deshmukh, Tata McGraw Hill Education Pvt Ltd, New Delhi
	(I)	Microcontrollers by Ayala
	(II)	Microcontrollers by Mazidi, Pearon Education, Delhi
	(III)	Microcontrollers by Neil Makanzi, Pearon Education, Delhi
	(IV)	Microcontrollers and Embedded Systems by Sangar and Sahdev, Uneek Publications, Jalandhar

Course Outcomes (COs)

C.O. 1	Understanding of Microcontroller series (MCS) – 51
C.O.2	Familiarization with addressing mode andAssembler.
C.O.3	Understanding of Timer and interrupts operation
C.O.4	Understanding of Design and Interface of peripherals with MC-51
C.O.5	Will acquire knowledge of Block diagram and pin details: ARDUINO

Teaching Plan

Name of Topic	Proposed Date	Actual Date	Remarks
UNIT 1 Microcontroller series (MCS) – 51 **Overview** Architecture of 8051 Microcontroller	14-02-2023		
Architecture of 8051 Microcontroller	15-02-2023		
Pin details of 8051 Microcontroller	20-02-2023		
Special Function Registers (SFRs) of 8051 Microcontroller	21-02-2023		
Pin details of 8051 Microcontroller	22-02-2023		
I/O Port structure of 8051 Microcontroller	25-02-2023		
Memory Organization of 8051 Microcontroller	27-02-2023		
External Memory interface with 8051 Microcontroller	28-02-2023		
UNIT 2 Assembler and addressing modes Instruction types Instruction set of 8051	01-03-2023		
Instruction set of 8051	04-03-2023		
Instruction set of 8051	06-03-2023		
Addressing modes	07-03-2023		
Addressing modes	13-03-2023		
Assembler directives	14-03-2023		
Assembler directives	15-03-2023		

Class Test-I	18-03-2023		
Assembler operation	20-03-2023		
UNIT 3. Timer and interrupts Timer operation	21-03-2023		
Timer operation	22-03-2023		
Timer operation	25-03-2023		
Timer operation	27-03-2023		
Serial Port operation	28-03-2023		
Serial Port operation	29-03-2023		
Serial Port operation	01-04-2023		
Interrupts	03-04-2023		
Interrupts	04-04-2023		
UNIT 4. Design and Interface keypad interface	05-04-2023		
keypad interface,	10-04-2023		
7- segment interface	11-04-2023		
Class Test-II	12-04-2023		
LCDinterface	17-04-2023		
A/Dinterface	18-04-2023		
D/A interface	19-04-2023		
D/A interface	24-04-2023		
RTC interface	25-04-2023		
RTC interface	26-04-2023		
stepper motor interface	29-04-2023		
UNIT 5. Block diagram and pin details: ARDUINO Block diagram ARDUINO	1-05-2023		
Block diagram ARDUINO	2-05-2023		
pin details: ARDUINO	3-05-2023		
pin details: ARDUINO	6-05-2023		
ARDUINO IDE	8-05-2023		
ARDUINO IDE	9-05-2023		
ARDUINO IDE	10-05-2023		
Programming of ARDUINO	15-05-2023		
Programming of ARDUINO	16-05-2023		
Programming of ARDUINO	17-05-2023		
UNIT 6. Application of Micro controllers in Communication System	20-05-2023		
Example of Application of Micro controllers in Communication System	23-05-2023		
Example of Application of Micro controllers in Communication System	24-05-2023		
Example of Application of Micro controllers in Communication System	27-05-2023		
Revision	29-05-2023		
Revision	30-05-2023		
Revision	31-05-2023		
Revision and topic wise test	3-06-2023		
Revision and topic wise test	5-06-2023		
Revision and topic wise test	6-06-2023		
Revision and topic wise test	7-06-2023		

Assignments

Assignment Serial	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
A-1	UNIT ,UNIT 2 UNIT 3	05/04/2023		
A-2	UNIT 4 , UNIT 5 , UNIT 6	15/05//2023		

House Test/Class Test

Name of test	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
Class Test 1	UNIT & UNIT 2	18-03-2023		
Class Test 2	UNIT 3. & UNIT 4.	12-04-2023		
House Test	80% of the syllabus	As per academic calendar		

Lab Plan

Sr. no.	Name of Practical	Proposed Date		Actual Date		Remarks
		G-I	G-II			
1	Demonstration of Micro-controller Kit	17-02-2023	25-02-2023			
2	Assembly Language Programming	24-02-2023	04-03-2023			
3	C Language Programming- (PC Based)	03-03-2023	18-03-2023			
4	To study the LCD Interface.	10-03-2023	25-03-2023			
5	To study the LCD Interface.	17-03-2023	1-04-2023			
6	To study the interface of A/D converter	24-03-2023	29-04-2023			
7	To study the interface of D/A converter	31-03-2023	6-05-2023			
8	To study the interface of controller with sensor	21-04-2023	20-05-2023			
9	To study the interface of controller with sensor	28-04-2023	27-05-2023			
10	Demonstration of Micro-controller Kit	12-05-2023	3-06-2023			
11	Assembly Language Programming	19-05-2023	---			
12	C Language Programming- (PC Based)	26-05-2023	---			
13	To study the LCD Interface.	02-06-2023	---			
14	Viva-voce	09-06-2023	---			

(Signature of HOD) /OIC
(Anil Kumar)

(Signature of Teacher)
(ARADHANA
Lect. EEE)

Department of Eltx. & Comm. Engg.

LESSON PLAN

Program Name	Diploma in Eltx. & Comm. Engg.
Course Name	Electronics design & simulation techniques- II
Course Code	-
Course Co-ordinator Name	Sh. Anil Kumar & Sh. Aman Kumar Sood

Evaluation Scheme

Sr. no.	CourseName EDST-II	Study scheme (Hrs/Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.		6(Pr.)		50		50
Reference Books	1. Electronic Technique by Rajesh Kumar NITTTR, Chandigarh					
	2. Electronic manufacturing Technology by KS Jamwal, Dhanpat Rai & Sons					

Course Outcomes (COs)

CO 1	Elementary design & Simulation of Electronic Applications
CO 2	Android Applications & Development

Teaching Plan

Sr. No.	Name of Topic	Proposed Date	Actual Date	Remarks

Assignments

Assignment Serial	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks

House Test/Class Test

Name of test	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks

Lab Plan

Sr. no.	Name of Practical	Proposed Date G-I	Proposed Date G-II	Actual Date G-I	Actual Date G-II	Remarks
1	Software Application & in Electronics engineering	16/2/2023	15/2/2023			
a	Computer application soft ware related to electronics Engg. ORCAD	17/2/2023	16/2/2023			
b	Computer application soft ware related to electronics Engg. H spice	23/2/2023	22/2/2023			
.c	. Computer application soft ware related to electronics Engg. MAT LAB/Sci-LAB	24/2/2023	23/22023			

2.	Event Driven Circuit Simulation	25/2/2023	25/2/2023			
a	Circuit simulation using Circuit Maker, SEQUEL introduction to software Simulation of logic gates	9/3/2023	9/3/2023			
b	Simulation Combinational Circuits	10/3/2023	11/3/2023			
3	Android Applications	11/3/2023	15/3/2023			
a	History of Android	16/3/2023	16/3/2023			
b	Android features	17/3/2023	18/3/2023			
c	Android runtime application frame work	18/3/2023	22/3/2023			
d	Setting up development environment	23/3/2023	23/3/2023			
e	Basic applications development using android	24/3/2023	25/3/2023			
f	Revision of practical's	31/3/2023 to 9/62023	29/32023 to 8/6/2023			

(Signature of HOD) I/C
(Amit Kumar)

(Signature of Teacher)
Anil Kumar (Amankr.Sud)

Department of Eltx. & Comm. Engg.

LESSON PLAN

Program Name	Diploma in Eltx&Comm.Engg.
Course Name	Practice in Communication Skills
Course Code	-
Course Co-ordinator Name	Renu Patial

Evaluation Scheme

Sr. no.	CourseName	Study scheme (Hrs./Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Practice in Communication Skills	2(Pr.)	--	50	--	50
Reference Books	(i) Communication Skills by KK Dhir					
	(ii) General English by Lucent					
	(iii) Self Made Notes & Internet					

Course Outcomes (COs)

CO 1	They will have enriched vocabulary & will be able to understand English Language
CO 2	Student's Thinking will be improved, & will be able to speak in English
CO 3	They will improve their Reading,Writing, Listening & Speaking Skills

Teaching Plan

Sr. no.	Name of Practical	Proposed Date	Actual Date	Remarks
1.	**Exercise on Phonetics** 1.1 Identification of English Phonetics 1.2 Stress and Intonation 1.3 Speaking Exercise with emphasis on voice modulation (reading & extempore)	G1: 17/02/23 &24/02/23 G2: 25/02/23 & 04/03/23		
2.	**Group Discussion**	G1:03/03/23 G2: 04/03/23		
3.	Exercise on 3.1Self assessment using tools like SWOT analysis 3.2 listening Skills	G1: 10/03/23& 17/03/23 G2: 18/03/23 & 25/03/23		
4.	**Internet Communication and correspondence** **4.1** Resume Writing 4.2 Covering Letter 4.3 Agenda & Minutes of Meeting 4.4 Business Correspondence	G1: 24/03/23,31/03/23 & 21/04/23 G2: 01/04/23 & 29/04/23		
5.	**Exercise on** 5.1 Body language and dress sense 5.2 Etiquettes and mannerism in difficult situations like business meetings, table manners & telephonic Etiquettes 5.3Manners related to opposite gender 5.4 Cross-Cultural Communication	G1: 28/04/23,12/05/23,19/05/23 G2: 06/05/23 &20/05/23		
6.	**Mock Interview**	G1:26/05/23, G:2 27/05/23		
7.	**Role Play For effective Communication**	G1: 02/06/23 G2: 03/06/23		

(Signature of HOD) /o/c
(Anil Kumar)

(Signature of Teacher)
(RENU PATIAL)

Department of Eltx.& Comm. Engg.

LESSON PLAN

Program Name	Diploma in Eltx. & Comm. Engg.
Course Name	Wireless & Mobile Communication
Course Code	-
Course Co-ordinator Name	Sh. Aman Kumar Sood

Evaluation Scheme

Sr.no.	Course Name	Study scheme (Hrs./Week)	Marks in Evaluation Scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	W&M.C.	4 (Th.) 2(Pr.)	30	20	100	50
Reference Books	Wireless Communications, Principles and Practice, by Thedore S.Rappaport.					
	Wireless Communications by Singal, Tata McGraw Hill Education Pvt Ltd , New Delhi					
	Wireless Communications and Networking, by William Stallings					

Course Outcomes (COs)

CO 1	Students will learn about Advantages of wireless communication, Propagation considerations
CO 2	Students will learn about Cellular Concept, Multiple Access Techniques for Wireless Communication
CO 3	Students will learn about Mobile Communication Systems, 3G & 4G, Global Systems for Mobile Communication

Teaching Plan

Name of Topic	Proposed Date	Actual Date	Remarks
Advantages of wireless communication	15-02-2023		
Electromagnetic waves	16-02-2023		
Frequency Spectrum used	20-02-2023		
Cellular Network Systems	22-02-2023		
Block Diagram of Cell phone	23-02-2023		
Propagation considerations Range	25-02-2023		
Propagation considerations Atmospheric Effect	27-02-2023		
Propagation considerations Geographic Effect	01-03-2023		
Propagation considerations Fading	02-03-2023		
Propagation considerations Doppler Effect	04-03-2023		
Propagation considerations Multipath Effect	06-03-2023		
Cellular Concept	09-03-2023		
Cell area	13-03-2023		
Cell Site Structure	15-03-2023		
1st Class Test	16-03-2023		
Capacity of cell	18-03-2023		
Frequency Response (ARFCN Concepts)	20-03-2023		
Interference (Co-channel, Adjacent channel)	22-03-2023		
Power Control for reducing Interference	23-03-2023		

Fundamentals of cellular network planning	25-03-2023		
Coverage planning	27-03-2023		
Capacity planning	29-03-2023		
Multiple Access Techniques for Wireless Communication Introduction to Multiple Access.	1-04-2023		
Frequency Division Multiple Access (FDMA)	3-04-2023		
Introduction of CDMA System Time Division Multiple Access (TDMA)	5-04-2023		
Code Division Multiple Access (CDMA	6-04-2023		
Code Division Multiple Access (CDMA	10-04-2023		
Code Division Multiple Access (CDMA), WCDMA	12-04-2023		
Spread Spectrum Techniques	13-04-2023		
Introduction of CDMA System	17-04-2023		
2nd Class Test	19-04-2023		
Mobile Communication Systems	20-04-2023		
Mobile Communication Systems	24-04-2023		
Introduction of Global Systems for Mobile Communication	26-04-2023		
Introduction of Global Systems for Mobile Communication	27-04-2023		
GSM architecture	29-04-2023		
GSM architecture	1-05-2023		
comparison of CDMA and GSM Systems	3-05-2023		
Introduction of GPRS and EDGE.	4-05-2023		
Introduction to 3G & 4G	6-05-2023		
Introduction to 3G & 4G CONT	15-05-2023		
Introduction to Architecture and Features of UMTS	17-05-2023		
Introduction to Architecture and Features of UMTS	18-05-2023		
HSPA (High Speed Packet Access)	20-05-2023		
HSPA (High Speed Packet Access)	24-05-2023		
4G/LTE Architecture	25-05-2023		
Revision	27-05-2023		
Revision	29-05-2023		
Revision	31-05-2023		
Revision	1-06-2023		
Revision	3-06-2023		
Revision	5-06-2023		
Revision	7-06-2023		
Revision	8-06-2023		

Assignments

Assignment Serial	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
A-1	Units I,II,III	22-03-2023		
A-2	Unit IV,V	6-05-2023		

House Test/Class Test

Name of test	Contents of Syllabus Covered	Proposed Date	Actual Date	Remarks
Class Test-I	30 % of syllabus	16-03-2023		
Class Test-II	next 30 % of syllabus	19-04-2023		
House Test	80% of syllabus	2nd week of may		

Lab Plan

Name of Practical	Proposed Date		Actual Date		Remarks
	G-I	G-II	G-I	G-II	
Study the features, specification and working of cellular mobile	25-02-2023	17-02-2023			
Measurement of signal strength at various points from a transmitting antenna/cordless phone	4-03-2023	24-02-2023			
Demonstration of Base Trans Receiver(BTS) with nearby cellular tower	18-03-2023	3-03-2023			
Demonstration of Base Trans Receiver(BTS) with nearby cellular tower	25-03-2023	10-03-2023			
Observing call processing of GSM trainer Kit.	1-04-2023	17-03-2023			
Observing call processing of GSM trainer Kit.	29-04-2023	24-03-2023			
Practice of setting GPRS on Mobile phone	6-05-2023	31-03-2023			
Observing call processing of CDMA trainer kit	20-05-2023	21-04-2023			
Revision	27-05-2023	28-04-2023			
Revision	3-06-2023	12-05-2023			
Revision		19-05-2023			
Revision		26-05-2023			
Revision		2-06-2023			
Revision		9-06-2023			

(Signature of HOD) for C
(Anil Kumar)

(Signature of Teacher)
(Aman Kr. Sood)