

LESSON PLAN

(Academic Session: Jan.-June, 2026)

Program Name	Computer Engineering
Course Title	Programme Elective-II (Wireless Communication Lab)
Course Code	COPE206-II
Semester	4 th
Course Teacher Name	Sunaina Stan

Evaluation Scheme

Sr. No.	Subject Code	Subject	Study Scheme			Total Study Hours	Credits	Evaluation Scheme						Total Marks		
			Th	Pr	DCS			Internal Assessment			External Assessment					
								Th	Pr	Total	Th	Hrs	Pr		Hrs	Total
1	COPE206-II	PE-II (WC Lab)	-	4	-	4	2	-	40	40	-	-	60	3	60	100

References Books

- Wireless Communication -Akhil Pundir
- Wireless and Mobile Communication- Deepak Arora

Course Outcomes (Cos)

CO-1	Explain various wireless communication technologies.
CO-2	Understand electromagnetic spectrum and transmission impairments.
CO-3	Explain various propagation modes for wireless communication.
CO-4	Understand the architecture of cellular communication.
CO-5	Understand Bluetooth standard for wireless communication.

Practical Performing Plan

Sr. No.	Practical to be perform/conduct	Group 1 Dates (Wed & Sat)	Group 2 Dates (Tue & Fri)	Actual Date(G1)	Actual Date(G2)	Remarks
1	Identify various wireless networking devices and recognize physical topology in the lab	28 th ,31 st Jan, 4 th Feb	27 th , 31 st Jan,3 rd Feb			Introduction to wireless devices
2	Create a WLAN of at least five wireless devices using a simulation tool (e.g., Packet Tracer)	7 th Feb, 11 th Feb, 18 th Feb	6 th Feb, 10 th Feb, 13 th Feb			Virtual WLAN setup
3	Set up a WLAN using an access point	21 st Feb, 25 th Feb,28 th Feb,	17 th Feb, 20 th Feb,24 th Feb,			Practical WLAN configuration
4	Data sharing using Bluetooth	6 th Mar, 13 th Mar, 20 th Mar	7 th Mar, 11 th Mar, 18 th Mar			Wireless file transfer
5	Transfer data between two wireless devices (e.g., PC-PC, PC-Smartphone)	7 th Apr, 17 th Apr, 24 th Apr	8 th Apr, 23 th Apr, 25 th Apr			Device-to-device connectivity
6	Install, configure, and use a printer with WiFi	6 th May, 16 th May , 20 th May	5 th May, 12 th May , 19 th May			Wireless printing setup

Signature of Course Teacher with Name

Sunaina Stan

Approved by

Sanchay
HOD,
Computer Department