



SCHOOL OF COMPUTER ENGINEERING

V SEMESTER B.TECH. (CCE)

ICT 3128 Wireless Communication and Computing

Date: 18-08-2025

FISAC-1: Group Assignment

Marks: 05

Analysis of Cellular Network using Mobile App and Sniffer

Instruction:

1. Mention following details in your assignment sheet: Group number, Subject code, Subject name, Date, Name, section, and Registration Number.
2. The assignment should be **handwritten** (with the person's name on each page) and scanned to attach the required pictures in the appropriate locations.
3. The files used for experiment should be kept in the folder
4. Upload only **one PDF** file with the file name as group number App-name, one folder.
5. **LAST DATE FOR SUBMISSION- ON OR BEFORE 10/09/2025, 5:00 PM**

Group	Task	Group	Task
1	Network signal guru	11	CellMapper
2	G-NetWiFi	12	NetMonitor cell Signal Logging
3	Network Cell Info	13	DW-RF Mobile Trace
4	Network Signal Info lite	14	WiFi Analyzer
5	NetMonster	15	WiFi Monitor network analyzer
6	LTE Discovery (5G NR)	16	Cell Signal Monitor
7	Network survey	17	RF Signal Tracker and Detector
8	4G LTE/5G Coverage monitor	18	Signal Detector (Iefan Co. Ltd)
9	Cellular-Z	19	G-Net Tracker Lite
10	Analiti	20	Tower Collector

Answer the following questions with **proper screenshots**

- a. Write the steps to generate and capture the mobile data packets only (http packets through mobile phone only) using any sniffer tool. Analyze the captured packet and write the in detail working principle of the protocols.
- b. Study the mobile App and Write a detail note on features of the tool with specific terms. Ex: signal strength, Frequency band, Cellular signal, channel, data rate, latency. (Flow of the content should be proper with screenshots)