



Information Technology

Vision: To Visualize the creation of skilled, proficient IT professionals to meet current challenges.

Mission:

- To encourage young minds for training & entrepreneurship.
- To convey standard education with rapidly changing environment with ethical values.
- To provide an environment where students can continuously learn, apply & communicate knowledge.

Name Of Program :- Diploma in Information Technology

Date :-

Course Title :- Wireless and Mobile Networks (22622)

Sem-VI (2023 -24)

Course Outcome :- WMN

Chapter Name :-Basics of PCS and GSM .

Assignment No:-1

Q.1 Explain architecture of PCS in detail.

Q.2 Explain GSM architecture in detail.

Q.3 Explain different security services offered by GSM.

Q.4 Explain types of areas in GSM.

Q.5 Write short note on concept of roaming.

Q.6 What is mobility management,explain inter LA movement.

Last Date of Submission :-1/2/2024

Course Coordinator :- Mrs. Samika Patil (TYIF)



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Name Of Program :- Diploma in Information Technology **Date :-**
Course Title :- Wireless and Mobile Networks (22622) Sem-IV (2023 -24)

Course Outcome :- CO

Chapter Name :- GPRS and Mobile Data Communication.

Assignment No:-2

Q.1 Explain GPRS architecture in details..

Q.2 Explain IEEE 802.11 system architecture.

Q. 3 Explain the block diagram of RFID system.

Q.4 Describe the bluetooth architecture piconets and scatternets.

Q.5 Explain characteristics of WLANs.

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Date :-

Course Title :- Wireless and Mobile Networks (22622)

Chapter Name :- GPRS and Mobile Data Communication.

Sem IV (2023 -24)

Course Outcome :- CO

Chapter Name :- Wireless Application Protocol and 3G Mobile Services .

Assignment No:-3

Q.1 Explain WAPModel/WAP Architecture in detail.

Q.2 Explain need of 3G technology in detail.

Q.3 Explain need of 4G technology in detail.

Q.4 Give any 6 advantages of Wireless Networks.

Q.5 Describe CDMA 2000 technology in detail.

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Sem:-IV (2023 -24)

Course Outcome :- CO

Chapter Name :- WLL Signal Encoding Techniques and Spread Spectrum Modulation.

Assignment No:-4

Q.1 Explain the block diagram of Wireless Local Loop.

Q.2 Draw and explain the architecture of WLL.

Q.3 List any four characteristics of line coding.

Q.4 Differentiate between PL/SQL function and procedure.

Q.5 Explain unipolar line codes.

Q.6 Explain grey codes

Q.7 .Explain pulse code modulation.

Q.8 Explain DPCM Receiver.

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Sem:-IV (2023 -24)

Course Outcome :- CO

Chapter Name :- Mobile Ad-hoc Networks and Wireless sensor networks.

Assignment No:-5

Q.1 Describe MANET Topology.

Q.2 Advantages of MANET.

Q.3 Explain challenges of MANET.

Q.4 Explain different types of database users.

Q.5 Explain WSN architecture.

Q.6 Explain types of mobility.

Q7 Explain characteristics of internet of things.

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