



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 (316325)

Sem -VI (2025-26)

Course Outcome :- WMN

Chapter Name :- Introduction to GSM.

Assignment No:-1

Q.1 Explain GSM Supplementary services 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 Network signaling: GSM protocol model.

Q.6 What is the inter LA movement.

Last Date of Submission :-

Course Coordinator :- Mrs. Samika Patil (TYIF)



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Date :-

Course Title :- Wireless and Mobile Networks (316325)

Sem:-IV (2025-26)

Course Outcome :- CO

Chapter Name :- GPRS and Mobile Data communication.

Assignment No:-2

Q.1 Explain GPRS architecture in details..

Q.2 Give advantages of WMAN.

Q.3 Explain the block diagram of RFID system.

Q.4 Describe mobility management and routing in GPRS.

Q.5 Explain WI FI architecture.

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Date :-

Course Title :- Wireless and Mobile Networks (316325)

Chapter Name :- GPRS and Mobile Data Communication.

Sem:-IV (2025-26)

Course Outcome :- CO

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

Assignment No:-3

- Q.1 Explain Wireless markup languages (WML) in detail.
- Q.2 Explain Wideband Code Division Multiple Access (W-CDMA) in detail.
- Q.3 Explain CDMA 2000: Specifications and features in detail.
- Q.4 Explain UMTS (Universal Mobile Telecommunication System) technology.
- Q.5 Describe Architecture and Features of 4G.
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Sem:- IV

(2025-26)

Course Outcome :- CO

Chapter Name :- Introduction to 5G Technology.

Assignment No:-4

Q.1 Explain 5G network architecture.

Q.2 Draw and explain IMT 2020 standard: Specifications and features.

Q.3 Explain 5G service providers.

Q.4 Explain 5G network slicing: Architecture

Q.5 .Explain Advantages of Network Slicing for IoT Ecosystem.

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Date :-Course Title :- Wireless and Mobile Network (316325)

Sem:-IV (2025-26)

Course Outcome :- CO

Chapter Name :- Wireless Network Technologies

Assignment No:-5

- Q.1 Describe Line coding techniques: Unipolar NRZ, Bipolar RZ.
- Q.2 Explain Binary amplitude shift keying and Binary phase shift keying.
- Q.3 Explain WSN (Wireless Sensor Networks).
- Q.4 Explain PCM (Pulse code modulation).
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