

MOBILE COMMUNICATION

Code : EC 802(d)

Credits : 4

Module I

Introduction: Review of wireless communication and wave propagation, Multiple access schemes: FDMA, TDMA, CDMA, packet radio, radio telephony

Cellular communication system

Module II

AMPS system: switching and networking

PCS services

Indoor and Outdoor propagation models

Pagers, GSM, GPRS, IS-95 systems

Module III

Cordless telephony, PCN

Mobile computing

Wireless networks, LAN etc.

Module IV

Mobile satellite communication

Wireless Access Protocol

Generation of Mobile communication - examples : 2G - 3G systems and future systems