

Lecture Plan

Subject: Advanced Computer Networks (CSC52102) [L-T-P = 3-1-0]

Course: II Semester M. Tech (Computer Science & Engineering)

Sl. No.	Name of the Topics	Number of Lectures
1.	Introduction: [Challenges in mobile computing, Coping with uncertainties, Resource poorness, Bandwidth]	04
2.	Evolution of Mobile System: [FDMA, TDMA, CDMA, GSM]	08
3.	Mobility Management: [Cellular Architecture, Co-channel Interference, Handoffs, Location Management, HLR-VLR Scheme, Hierarchical Scheme, Mobile IP]	06
4.	Mobile Transaction and Commerce: [Models for Mobile Transaction, Kangaroo and Joey Transactions, Team Transaction, Recovery model for Mobile Transactions, Electronic Payment and protocols for Mobile Commerce]	06
5.	File System Support for Mobility: [Distributed file sharing for mobility support, Coda and other storage manager for mobility support]	06
6.	Ad hoc Network Routing Protocols: [DSDV, DSR, CGSR, AODV]	06
7.	Publishing & Accessing Data in Air: [Pull and push based Data Delivery Models, Data Dissemination by Broadcast, Broadcast Disks, Directory Service in air, Energy Efficient Indexing Scheme for Push based Data Delivery]	06
TOTAL		42