2-YEAR M. TECH.
IN
COMPUTER SCIENCE & ENGINEERING

II SEMESTER M.TECH-CSE					
Course No.	Name of the Courses	L	T	P	Credit Hours
CSC52102	Advanced Computer Networks	3	1	0	7
CSC52105	Image and Video Processing	3	1	0	7
CSE521xx	Elective−III	3	1	0	7
CSE521xx	Elective−IV	3	1	0	7
CSE521xx	Elective−V	3	1	0	7
CSC52202	Advanced Computer Networks Laboratory	0	0	2	2
CSC52205	Image and Video Processing Laboratory	0	0	2	2
CSC52501	Comprehensive Viva-voce	0	0	0	4
Total					43
Contact Hrs.		15	05	04	24

CSC52102	Advanced Computer Networks	3-1-0

Introduction: Challenges in mobile computing, coping with uncertainties, resource poorness, bandwidth, etc.

Evolution of mobile system: CDMA, FDMA, TDMA, GSM;

Mobility Management: Cellular Architecture, Co-channel interference, Handoffs, Location Management, HLR-VLR Scheme, Hierarchical Scheme, Mobile IP.

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**.**

File System Support for Mobility: Distributed file sharing for mobility support, Coda and other storage manager for mobility support.

Ad hoc Network Routing Protocols: DSDV, DSR, CGSR, AODV.

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.