Mobile Computing
IT704E
Contracts: 3L
Credits- 3

Introduction to Personal Communications Services (PCS): PCS Architecture, Mobility management, Networks signalling. Global System for Mobile Communication (GSM) system overview: GSM Architecture, Mobility management, Network signalling. [5L]


Third Generation (3G) Mobile Services: Introduction to International Mobile Telecommunications 2000 (IMT 2000) vision, Wideband Code Division Multiple Access (W-CDMA), and CDMA 2000, Quality of services in 3G. [7L]

Global Mobile Satellite Systems; case studies of the IRIDIUM and GLOBALSTAR systems. Wireless Enterprise Networks: Introduction to Virtual Networks, Blue tooth technology, Blue tooth Protocols. [7L]

Server-side programming in Java, Pervasive web application architecture, Device independent example application [8L]

Text :
2. "Mobile Communication", J. Schiller, Pearson

Reference :
4. "Third Generation Mobile Telecommunication systems", by P.Stavronlakis, Springer Publishers,