

## **Mobile Computing.**

*Theory L/T (Hours per week): 4/0, Credit: 4*

### **MODULE-I**

Overview of wireless technologies. Wireless multiple access protocols. Cellular systems: Channel allocation. Location management.

### **MODULE-II**

Wireless LANs: Medium access, Mobile IP routing. TCP over wireless. Mobile ad hoc networking.

### **MODULE-III**

Energy efficiency. Impact of mobility on algorithms and applications.

### **MODULE-IV**

Disconnected operation of mobile hosts. Data broadcasting. Mobile agents.

### **References:**

1. J. H. Schiller. Mobile Communications. Addison Wesley, 2000.
2. A. Mehrotra. GSM System Engineering. Artech House, 1997.
3. Charles Perkins. Mobile IP. Addison Wesley, 1999.
4. Charles Perkins (ed.) Adhoc Networks. Addison Wesley, 2000 Relevant RFCs, internet drafts and research papers.