

**N.B.K.R. INSTITUTE OF SCIENCE & TECHNOLOGY :: VIDYANAGAR  
(AUTONOMOUS)**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**WIRELESS ADHOC NETWORKS  
ASSIGNMENT QUESTIONS**

**ASSIGNMENT – I**

1. Describe about the various characteristics of the Wireless Channel.
2. What is modulation? Explain various modulation techniques.
3. Explain various multiple access techniques with suitable examples.
4. Explain in detail about various IEEE 802 standards.

**ASSIGNMENT – II**

1. Explain the Cellular Architecture with a neat diagram.
2. Explain in detail about the various generations of cellular networks.
3. Write in brief about IEEE 802.16.
4. Describe in detail about HIPERACCESS.

**ASSIGNMENT – III**

1. Explain about Mobile IP.
2. Write in brief about the TCP in Wireless Domain.
3. Distinguish between Cellular and Adhoc wireless networks.
4. What are the various applications and issues in Adhoc wireless networks?

**ASSIGNMENT – IV**

1. What are the Issues and Challenges in providing QoS in Ad Hoc Wireless Networks?
2. Explain about various MAC layer solutions.
3. Explain about various Network layer solutions.
4. Discuss briefly about QoS Frameworks for Ad Hoc Wireless Networks.

**ASSIGNMENT – V**

1. Justify the Need for Energy Management in Ad Hoc Wireless Networks.
2. Enumerate various Battery Management Schemes.
3. Explain in detail about various transmission power management schemes.
4. Explain in detail about various System Power Management Schemes.

**ASSIGNMENT – VI**

1. Write in brief about Ultra wide band radio communication.

2. Explain about Optical Wireless Networks.
3. Explain about The Multimode 802.11.
4. Explain with a neat sketch the Meghadoot Architecture.