

# **B –TECH COMPUTER SCIENCE ENGINEERING**

## **IVYEAR –II SEM**

### **COURSE COUT COMES**

#### **Adhoc and Sensor Networks**

**CO 1:-** Explain principles of mobile ad hoc networks (MANETs) and what distinguishes them from infrastructure-based networks.

**CO 2:-** Explain principles and characteristics of wireless sensor networks (WSNs).

**CO 3:-** Analyse how proactive routing protocols function and their implications on data transmission delay and bandwidth consumption.

**CO 5:-** Describe how reactive routing protocols function and their implications on data transmission delay and bandwidth consumption.

**CO 5:-** Analyse how hybrid routing protocols function and their ability to balance speed and bandwidth consumption.

Describe how the different clustering algorithms and their usefulness for network management and routing

#### **Management Science**

**CO 1** Differentiate functional roles and their importance in business context.

**CO 2** Apply analytical, critical thinking and problem solving skills in a business context.

**CO 3** Compute using quantitative techniques in problem solving.

**CO 4** Describe materials management in the organization.

**CO 5** Apply the appropriate marketing strategy for the business.

**CO 6** Choose HR policies that help the organization in achieving the employee satisfaction and Retaining the employees.

#### **Web Services**

**CO 1** Design and launch Web services.

**CO 2** Use, in their own programs, Web services published by others.

**CO 3** Employ the publish, find, bind architecture for Web services and to use the corresponding standards, in particular, Web Services Description Language (WSDL), Simple Object Access Protocol (SOAP), and Universal Description, Discovery and Integration (UDDI).

**CO 4** Conceptually model Web services and formulate specifications of them in the Resource Description Framework (RDF) and the Web Ontology Language (OWL).

**CO 5** Perform matchmaking on Web services.

**CO 6** Develop registration and discovery techniques for Web services.