STATE INSTITUTE OF ENGINEERING & TECHNOLOGY, NILOKHERI
Department of Computer Engineering
Lesson Plan

Subject Name:- Mobile Ad-hoc & Wireless Sensor Network.   **Subject Code:**

Year:-3rd years.(CSE A ,CSE B)   **Semester:-6th**

Subject Teachers:- Ms. Seema Ranga & Ms.Anjali.

S No.	Lecture No.	Theory Topic(Including Assignment/Test/Quiz)	CO Covered
1	L1	**Unit1-**Introduction to MANET	CO1
2	L2	Mobility Management	
3	L3	Characteristics & Attributes related to MANETs	
4	L4	Modeling distributed application for MANETs	
5	L5	MAC Mechanisms &Protocols	
6	L6	MAC Mechanisms &Protocols Continued.	
7		**ClassTest–Unit-1**	
8	L8	**Unit2**–IntroductiontoMANETRoutingProtocols	CO2
9	L9	Destination Sequenced Destination Vector Algorithm	
10	L10	Cluster Based Gateway switch routing Algorithm	
11	L11	Global State Routing Algorithm	
12	L12	Fish-eye State Routing Algorithm	
13	L12	Fish-eye State Routing Algorithm Continued	
14	L13	Dynamic Source Routing Algorithm	
15	L14	Ad-hoc On-Demand Routing Algorithm	
16	L14	Ad-hoc On-Demand Routing Algorithm Continued	
17	L15	OLSR & TORA Algorithm	
18	L16	Location Aided Routing Algorithm	
19	L16	Location Aided Routing Algorithm Continued	
20	L17	Zonal Routing Algorithm	
21		**QuerySessionUnit-2**	
22		**Assignment -1**	
23	L20	**Unit3**–Introductionton Ad-hoc Network Security	CO3
24	L21	Link Layer & Network Layer Level	
25	L22	Link Layer & Network Layer Level continued	

26	L23	Trust & Key Management in Security	
27	L24	Trust & Key Management in Security continued	
28	L25	Self-policing MANET	
29	L26	Node misbehavior	
30	L27	Secure Routing & Reputation System	**CO3**
31	L28	WSN Design issues & Clustering	
32	L29	Application of WSN	
		QuerySessionUnit-3	
		ClassTestUnit3	
33	L30	**Unit4**–IntroductiontoMACLayer&Routing Protocols in WSN	
34	L31	Introduction on MAC Layer & Routing Protocols in WSN Continued.	**CO4**
35	L32	Data Management: Retrieval Techniques in WSN	
36	L33	Sensor Database & Distributed Query Processing	
37	L34	Data dissemination & Aggregation schemes	
38	L35	Operating System for WSN	
39	L36	Security issues in WSN	
38		**QuerySessionUnit-4**	
40		**Assignments-2**	

Text Books:
1 . Siva Ram Murthy & B.S. Manoj, Mobile Ad hoc Networks – Architectures & Protocols, Pearson Education, New Delhi, 2004
2 . M Cordeiro& D.P. Agrawal, Adhoc& Sensor Networks – Theory and Applications, ISBN 981256- 682-1, World Scientific Singapore, 2006
3 . S. Raghvendra, Wireless Sensor Networks, Springer-Verlag, 2006.

Web resources:
1. https://www.youtube.com/watch?v=ycaz99NogS4&list=PLJ5C_6qdAvBHroAfekCO7K4xphEF74UPc
2. https://www.youtube.com/watch?v=acdn4Q6YCY4