LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1.	26/12	Key definitions of sensor Networks, Advantages of Sensor n/ws	I	B.B		
2.	30/12	Unique Characteristics		PPT		
3.	7/1/14	Challenges, Applications Enabling technologies		PPT		
4.	8/1	for wireless sensor n/ws Introduction to WSN	II	"		
5.	20/1	Architectures Single Node Architecture Hardware Components, Energy Consumptions of Sensor nodes		"		
6.	21/1	Operating Systems		"		
7.	22/1	Execution environment Network Architecture - Sensor network Scenarios		"		
8.	23/1	Optimization goals & Figures of merit, Gateway Concepts				
9	24/1	Introduction to Networking technologies	III	B.B		
10.	28/1	Physical Layer & Transceiver design Considerations		PPT		
11.	29/1	PANs, hidden node & exposed node problem		"		
12.	31/1	Topologies of PANs		"		
13.	3/1	MANETs, WANETs		"		
14	5/2	Introduction to MAC Protocols for WSN	IV	B.B		
15.	4/2	Issues in designing a MAC protocol for Ad hoc wireless n/ws		"		
16.	5/2	Design of a MAC protocol for Adhoc wireless n/w classification of MAC protocols		"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
17.	7/2	Contention Based Protocols	IV	PPT		
18.	7/2	Contention Based Protocols with reservation mechanism		"		
19.	8/2	Contention based protocols with Schedeling mechanism		"		
20.	10/2	MAC protocols that used directional antennas.		"		
21.	11/2	Other MAC protocols		"		
22.	15/2	Introduction to Routing Protocols	V	B.B		
23	17/2	Issues in designing a Routing protocol for Adhoc WSNs,		PPT		
24	18/2	Classification of Routing protocols		"		
25	19/2	Table-driven Routing protocols, on-demand Routing protocols,		"		
26.	20/2	Hybrid routing protocol Routing protocols with efficient flooding mechanism, Hierarchical		"		
27.	24/2	Routing protocol Power-Aware routing		"		
28.	25/2	protocols, Proactive Routing Introduction to Transport Layer & Security protocols	VI	B.B		
29.	28/2	Issues in designing a Transport Layer protocol for adhoc WSNs		PPT		

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Period	Date (Tentative)	Topic	Unit No	Teaching Methodology	Remarks	Corrective Action Upon Review
30.	3/3	Design goals of a Transport layer protocol for ad hoc WNs, classification of Transport layer protocol	VI	PPT		
31.	4/3	TCP over Ad hoc WNs.		"		
32.	5/3	other transport layer protocol for Ad hoc WNs		"		
33.	6/3	Topology control, clustering, Time Synchronization	VII	B.B		
34.	7/3	Localization & positioning		PPT		
35.	11/3	Sensor tasking & control Security in Ad hoc WNs, N/W Security requirements		"		
36.	12/3	Issues & Challenges in Security provisioning		"		
37.	13/3	N/W Security Attacks, key Management, Secure routing in Ad hoc WNs.		"		
38	14/3	Introduction to Sensor N/W platforms & Tools	VIII	B.B		
39.	18/3	Sensor node H/W - Berkeley Motes, Programming challenges, Node level software platforms		PPT		
40.	19/3	Node level simulators		"		
41.	20/3	State-centric programming Applications of WSN - Ultra wide band, media communication Wireless fidelity systems		"		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
42.	24/3	Future direction,	VIII	PPT		
42.	29/3	Home automation Smart metering		"		
44	1/4	applications ← do →		"		
45	2/4	← do →		"		