

Course with Code: Internet of Things – 21CS735				Faculty: Dr. Vinod Kumar P			Semester & Section: 7 th	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1		Bridge course: Basic of Networking	PPT					
2		Emergence of IoT: Introduction, Evolution of IoT	PPT					
3		Enabling IoT	PPT					
4		Complex Interdependence of Technologies	PPT					
5		IoT Networking Components	PPT					
6		Addressing Strategies in IoT	PPT					
7		Addressing Strategies in IoT	PPT					
8		Revision & Quiz	PPT & MS Forms					

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MODULE-2								
9		IoT Sensing and Actuation: Introduction, Sensors	PPT					
10		Sensor Characteristics	PPT					
11		Sensorial Deviations,	PPT					
12		Sensing Types,	PPT					
13		Sensing Considerations	PPT					
14		Actuators, Actuator Types	PPT					
15		Actuator Characteristics	PPT					
16		Revision, Quiz	PPT, MS forms					

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MODULE-3								
17		IoT Processing Topologies and Types: Data Format	PPT					
18		Importance of Processing in IoT	PPT					
19		Processing Topologies, IoT	PPT					
20		Processing Topologies, IoT	PPT					
21		Device Design and Selection Considerations	PPT					
22		Device Design and Selection Considerations	PPT					
23		Processing Offloading	PPT					
24		Revision, Quiz	PPT, MS Forms					

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MODULE-4								
25		IoT Connectivity Technologies: Introduction	PPT					
26		IEEE 802.15.4, Zigbee, Thread	PPT					
27		ISA100.11A, WirelessHART	PPT					
28		RFID, NFC, DASH7	PPT					
29		Z-Wave, Weightless, Sigfox	PPT					
30		LoRa, NB-IoT, Wi-Fi, Bluetooth	PPT					
31		LoRa, NB-IoT, Wi-Fi, Bluetooth	PPT					
32		Revision & Quiz	PPT, MS forms					

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MODULE-5								
33		IoT Communication Technologies: Introduction, Infrastructure Protocols,	PPT					
34		Discovery Protocols, Data Protocols	PPT					
35		Identification Protocols, Device Management	PPT					
36		Semantic Protocols	PPT					
37		IoT Interoperability: Introduction	PPT					
38		Taxonomy of interoperability,	PPT					
39		Standards, Frameworks	PPT					
40		Revision & Quiz	PPT & MS forms					

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	5		
3	Tutorials/ Extra classes	Nil		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	