

GANESH INSTITUTE OF ENGINEERING AND TECHNOLOGY, POLYTECHNIC

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NAME-RANJITA NAIK

LESSON PLAN CUM PROGRESS REPORT

SUBJECT: INTERNET OF THINGS

SEMESTER:6TH

BRANCH:COMPUTER SC. & ENGINEERING

LECTURE NO.	CO	BTL	TOPIC TO BE COVERED	WEB REFERENCE IF ANY	PLAN DATE	ACTION DATE	REVIEW BY HOD
1	C01	1	Introduction to Internet of Things Introduction Characteristics of IoT	https://www.youtube.com/watch?v=WUYAjxwjiU4&list=PLJ5C6qdAvBG7SHg5mL0Qq6bzF-sOPu3k https://www.youtube.com/watch?v=nWCD3n6H0as	22.12.25		
2	C01	1	Applications of IoT IoT Categories	https://www.youtube.com/watch?v=e7mPuhSz8o8 https://www.youtube.com/watch?v=iKT-QsFAXLU	23.12.25		
3	C01	1	IoT Enablers and connectivity layers Baseline Technologies	https://www.youtube.com/watch?v=1XMVMNQ1JsY https://www.youtube.com/watch?v=hodxDtTSVJ8	24.12.25		
4	C01	2	Sensor Actuator	https://www.youtube.com/watch?v=NucRo8o8rxY	29.12.25		
5	C01	2	IoT components and implementation Challenges for IoT	https://www.youtube.com/watch?v=NucRo8o8rxY	30.12.25		
6	C02	3	IOT Networking Terminologies	https://www.youtube.com/watch?v=fBJuoBJcxMc	31.12.25		
7	C02	3	Gateway Prefix allotment	https://www.youtube.com/watch?v=pLxE_bRO--c	05.01.26		
8	C02	3	Impact of mobility on Addressing	https://www.youtube.com/watch?v=2f4CLaoTT4k	06.01.26		
9	C02	2	Multihoming	https://www.youtube.com/watch?v=KcmJGOW2KCU	07.01.26		
10	C02	2	Deviation from regular Web	https://www.youtube.com/watch?v=4vf8D7V6av0	12.01.26		
11	C02	1	IoT identification and Data protocols	https://www.youtube.com/watch?v=HNXEUwhouL0	13.01.26		
12	C03	1	Connectivity Technologies Introduction	https://www.youtube.com/watch?v=s_ErrCo5gwg	19.01.26		
13	C03	1	IEEE 802.15.4	https://www.youtube.com/watch?v=-7dAFWRjCoA	20.01.26		

14	C03	2	ZigBee, 6LoWPAN	https://www.youtube.com/watch?v=REDRpTwHD9U	21.01.26		
15	C03	1	RFID, HART and wireless HART	https://www.youtube.com/watch?v=hBcvQqeQxfU	27.01.26		
16	C03	2	NFC, Bluetooth, Z wave, ISA100.11.A	https://www.youtube.com/watch?v=luJwgS-safM	28.01.26		
17	C03	1	Wireless Sensor Networks Introduction	https://www.youtube.com/watch?v=rqLy0jyV_wY	02.02.26		
18	C03	2	Components of a sensor node	https://www.youtube.com/watch?v=PNWZL0KDFyo	03.02.26		
19	C03	1	Modes of Detection	https://www.youtube.com/watch?v=BBvG7uzmOV0&t=51s	04.02.26		
20	C03	3	Challenges in WSN Sensor Web	https://www.youtube.com/watch?v=Yy7R4Ls4tcY	09.02.26		
21	C03	1	Cooperation and Behaviour of Nodes in WSN	https://www.youtube.com/watch?v=TUzHRDESQ8A	10.02.26		
22	C03	2	Self Management of WSN Social sensing WSN	https://www.youtube.com/watch?v=rqLy0jyV_wY	11.02.26		
23	C03	1	Application of WSN	https://www.youtube.com/watch?v=W-C4JL6AvfA	16.02.26		
24	C03	2	Wireless Multimedia sensor network	https://www.youtube.com/watch?v=0PkITFbGbkY	17.02.26		
25	C03	1	Wireless Nanosensor Networks	https://www.youtube.com/watch?v=H9jx8oC-znQ	18.02.26		
26	C03	2	Underwater acoustic sensor networks	https://www.youtube.com/watch?v=1CQy7QJSHC0	23.02.26		
27	C03	1	WSN Coverage	https://www.youtube.com/watch?v=drhOGVp381s	24.02.26		
28	C03	2	Stationary WSN, Mobile WSN	https://www.youtube.com/watch?v=6eqAfCu4LFg	25.02.26		
29	C04	2	M2M Communication M2M Ecosystem	https://www.youtube.com/watch?v=ZW8425Tas7w	02.03.26		

30	C04	1	M2M service Platform	https://www.youtube.com/watch?v=CJ6FdIQqgPM	09.03.26		
31	C04	3	Interoperability	https://www.youtube.com/watch?v=hyN8R85gJA8	10.03.26		
32	C04	2	Programming with Arduino Features of Arduino	https://www.youtube.com/watch?v=MVNoq9tLQNs	11.03.26		
33	C04	3	Components of Arduino Board	https://www.youtube.com/watch?v=yJg0iA-NRGU	16.03.26		
34	C04	3	Arduino IDE Case Studies	https://www.youtube.com/watch?v=JnJKX5J0Cc&list=PLwWF-ICTWmB7-b9bsE3UcQzz-7ipl5tbR	17.03.26		
35	C04	1	Programming with Raspberry Pi Architecture and Pin Configuration	https://www.youtube.com/watch?v=If2_50lC9hk	18.03.26		
36	C04	3	Case studies Implementation of IoT with Raspberry Pi	https://www.youtube.com/watch?v=sQ6NB3xBVHI	23.03.26		
37	C05	1	Software defined Networking Limitation of current network	https://www.youtube.com/watch?v=Z4v2zG9RICE	24.03.26		
38	C05	2	Origin of SDN	https://www.youtube.com/watch?v=Azax-6vWCAs	25.03.26		
39	C05	3	SDN Architecture	https://www.youtube.com/watch?v=Z4v2zG9RICE	30.03.26		
40	C05	3	Rule Placement, Open flow Protocol	https://www.youtube.com/watch?v=W1DQc0xjhMw	01.04.26		
41	C05	1	Controller placement	https://www.youtube.com/watch?v=_BDtldC_X8	06.04.26		
42	C05	1	Security in SDN	https://www.youtube.com/watch?v=viy2jUTI244&list=PLbT8rDUmot20PY-aP6N_MnHqdKnjSb1FF	07.04.26		
43	C05	1	Integrating SDN in IoT	https://www.youtube.com/watch?v=Z4v2zG9RICE	08.04.26		
44	C05	2	Smart Homes Origin and example of Smart Home Technologies	https://www.youtube.com/watch?v=luWebabvuw	08.04.26		
45	C05	1	Smart Home Implementation	https://www.youtube.com/watch?v=iGUdMke-Ao4	09.04.26		
46	C05	1	Home Area Networks(HAN)	https://www.youtube.com/watch?v=Rs3zl_2ONoE	10.04.26		
47	C05	2	Smart Home benefits and issues	https://www.youtube.com/watch?v=v0qHVb6QCSQ	11.04.26		

48	C06	1	Characteristics of Smart Cities	https://www.youtube.com/watch?v=KBDKq5VZII4	13.04.26		
49	C06	3	Smart city Frameworks	https://www.youtube.com/watch?v=dPOnXcaeN-g	15.04.26		
50	C06	2	Smart city Frameworks	https://www.youtube.com/watch?v=dPOnXcaeN-g	16.04.26		
51	C06	3	Challenges in Smart cities	https://www.youtube.com/watch?v=gVwwopTYoeU	17.04.26		
52	C06	1	Data Fusion	https://www.youtube.com/watch?v=xjsNWh1TLKo	18.04.26		
53	C06	1	Smart Parking	https://www.youtube.com/watch?v=WNwm9j9Cb7M	20.04.26		
54	C06	2	Energy Management in Smart cities	https://www.youtube.com/watch?v=g-OTaYFFMQ8	21.04.26		
55	C06	3	IIoT requirements	https://www.youtube.com/watch?v=HmbUJEShA-8	22.04.26		
56	C06	3	Design considerations	https://www.youtube.com/watch?v=-Xc--4q5kGo	23.04.26		
57	C06	2	Design considerations	https://www.youtube.com/watch?v=-Xc--4q5kGo	24.04.26		
58	C06	2	Applications of IIoT	https://www.youtube.com/watch?v=R9gh2u8vWZc	25.04.26		
59	C06	1	Benefits of IIoT	https://www.youtube.com/watch?v=IKP52YZU6Kw	27.04.26		
60	C06	1	Challenges of IIoT	https://www.youtube.com/watch?v=dfxwBKoUjHE	28.04.26		

PRINCIPAL

FACULTY

HOD, COMPUTER SC. &ENGG.