



Course Outcomes & CO-PO-PSO Mapping and Justification

Subject	Internet of Things Technology	17CS81
COURSE OUTCOMES:		
CO No.	On completion of this course, students will be able to:	Cognitive Level
17CS81.1	Interpret the impact and challenges posed by IoT networks leading to new architectural models.	L2
17CS81.2	Illustrate the smart objects and the technologies to connect them to network.	L2
17CS81.3	Compare different Application protocols for IoT.	L2
17CS81.4	Infer the role of Data Analytics and Security in IoT.	L2
17CS81.5	Identify sensor technologies for sensing real world entities and understand the role of IoT in various domains of Industry.	L2

CO-PO-PSO MAPPING

CO No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
17CS81.1	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-
17CS81.2	-	2	3	2	-	-	-	-	-	-	-	-	1	-	-
17CS81.3	-	2	2	-	-	-	-	-	-	-	-	-	1	-	-
17CS81.4	1	2	3	-	-	-	-	-	-	-	-	-	1	-	-
17CS81.5	-	-	3	-	-	-	-	-	-	-	-	-	1	-	-
17CS81	1.5	2.0	2.8	2.0	-	-	-	-	-	-	-	-	1.0	-	-

CO-PO-PSO JUSTIFICATION

CO No.	PO/ PSO	CL	Justification
17CS81.1	PO1	2	Moderately understand the impact and challenges posed by IoT networks.
	PSO1	1	Slightly mapped as students understand the basics of IoT network models.
17CS81.2	PO2	2	Moderate to identify the basic suitable technologies for IoT based applications
	PO3	3	Highly design the simple and creative IoT projects.
	PO4	2	Moderately use the basic technologies of IoT for developing innovative applications.
	PSO1	1	Slightly mapped as students understand the smart objects and the technologies.
17CS81.3	PO2	2	Moderately use cloud models to store and maintain data.
	PO3	2	Moderately design and develop solutions based on application protocols for IoT.
	PSO1	1	Slightly mapped as students understand the protocols of application layer with the constrained network.
17CS81.4	PO1	1	Slightly basic insight on prototypes and operating system for IoT.
	PO2	2	Moderately use the principles of supervised and un-supervised learning.
	PO3	3	Highly design and develop solutions based on edge streaming using Hadoop.
	PSO1	1	Slightly mapped as students understand the data analytics of edge streaming.
17CS81.5	PO3	3	Highly able to develop applications using Arduino programming
	PSO1	1	Slightly mapped as students are able to develop applications by integrating sensors and actuators using arduino and raspeberry.

Prepared by:

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