PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

(Autonomous)

KANURU, VIJAYAWADA-520007

II B. Tech – II Sem (Common to CSE (AI&ML and Data Science))

Internet of Things Lab

Course Code:	20ES1452	Year:	II	Semester:	П
Course Category:	ES Lab	Branch:	CSE (Data Science)	Course Type:	Practical
Credits:	1.5	L-T-P:	0-0-3	Prerequisites:	
Continuous Internal Evaluation:	15	Semester End Evaluation:	35	Total Marks:	50

	Course Outcomes	
Upon suc	cessful completion of the course, the student will be able to	
CO1	Develop various sensor interfacing using Arduino IDE	L3
CO2	Evaluate Wireless Control of Remote Devices	L4
CO3	Design and develop a Mobile Application which can interact with Sensors and Actuators.	L5
CO4	Make an effective report based on experiments.	L3

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CO1, CO4
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CO1, CO4
CO1, CO2,CO4
CO1,CO3, CO4

Text Books

1. Invent To Learn: Making, Tinkering, and Engineering in the Classroom, Sylvia Libow Martinez, Gary S Stager, 2016, Constructing Modern Knowledge Press.

References

1. Arduino Cookbook, Michael Margolis, 2011, Oreilly.