

## Syllabus Completion Report

Academic Year 2023-2024

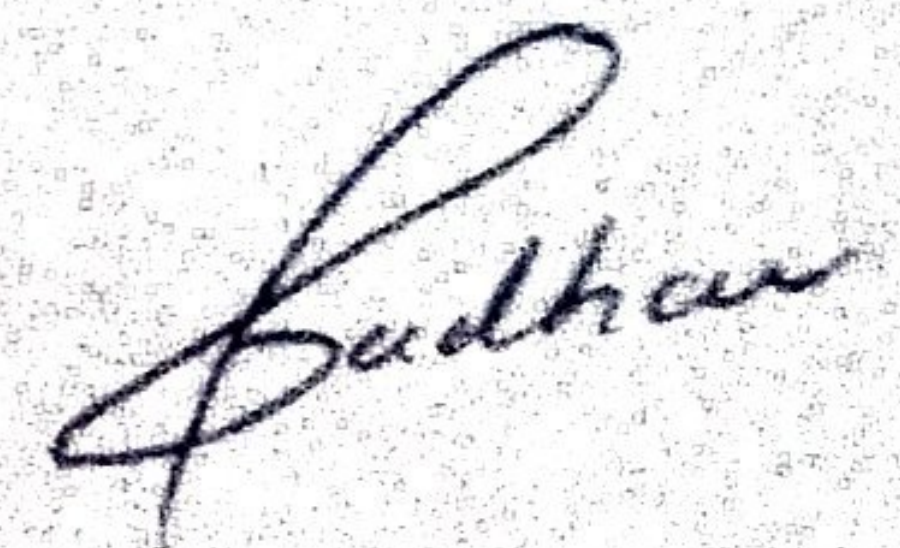
Class : TYBBA(CA)

Semester : SEM V

Subject : IOT

Subject Teacher: Prof.R.S.Jadhav

Month	Expted Lectures	Conducte d Lectures	Content of topic
August	03	05	<b>UNIT 1: Fundamentals of IoT</b> 1.1 Basic Concepts of IoT 1.2 Major components of IoT devices 1.3 IOT Architecture 1.4 Pros & Cons of IOT
September	05	07	<b>UNIT 2: Communication Technologies</b> 2.1 Wireless Communication: Bluetooth, ZigBee, WiFi, RF Links 2.2 Wired Communication: Ethernet 2.3 IOT Protocol: MQTT, CoAP, XMPP, OSGi
October	07	07	<b>UNIT 3: Microcontroller Fundamental and Arduino uno</b> 3.1 System on Chip & Microcontroller 3.2 Arduino UNO: Introduction to Arduino, Arduino UNO, Arduino Board, The Anatomy of an Arduino Board 3.3 The Development Environment of Arduino Board 3.4 Writing Arduino Software, The Arduino Sketch 3.5 Fundamentals of Arduino Programming 3.6 Trying the code on an Arduino Emulator 3.7 Arduino Libraries 25 Programming & Interfacing 3.8 Application of IoT 3.9 Case studies: Home Automation, Smart Parking, etc
<b>Total</b>	<b>18</b>	<b>19</b>	



Prof.R.S.Jadhav

Subject Teacher