

## SAVITRIBAI PHULE PUNE UNIVERSITY

Department Of Technology

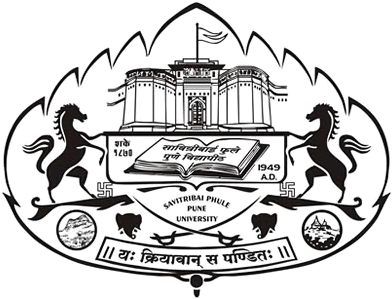
SEMESTER – II

IOT and Data Science LAB

Academic Year – 2024-2025

Course – Masters in Data Science

LAB MANUAL





## SAVITRIBAI PHULE PUNE UNIVERSITY

Department Of Technology

MSc. Data Science SEMESTER – II

Subject Name: IOT and Data Science

Name:

### Roll No:

Submission Date:

### Subject Teacher: Divesh Jadhwani

Internal Examiner External Examiner HOD Course Coordinator Signature Signature Signature Signature

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| --- | --- | --- | --- |
| SR.  NO. | LIST OF EXPERIMENTS | DATE | SIGN |
| 1. | Demonstrate Time series analysis using flow diagram | 26/2/2025 |  |
| 2. | Demonstrate a logistic regression working for IOT with flow diagram | 5/3/2025 |  |
| 3. | Demonstrate Tiny Ml working with help of flow diagram | 12/3/2025 |  |
| 4. | Demonstrate a circut for Traffic signal | 19/3/2025 |  |
| 5. | Demonstrate a circut for LDR(photoresistor) sensor | 26/3/2025 |  |
| 6. | Demonstrate a circut for smart alert system | 2/4/2025 |  |
| 7. | Demonstrate a circut for smart lock | 9/4/2025 |  |
| 8. | Demonstrate a circut for smart dustbin | 16/4/2025 |  |
| 9. | Demonstrate a circut for Arduino ESP serial communication | 23/4/2025 |  |
| 10. | Demonstrate working of Async Server with flow diagram | 30/4/2025 |  |

# EXPERIMENT NO – 1

**Aim –**

#### DIAGRAM :

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#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW

# EXPERIMENT NO – 2

**Aim –**

**• DIAGRAM**

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW

# EXPERIMENT NO – 3

**Aim –**

**• DIAGRAM**

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOw

# EXPERIMENT NO – 4

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOw

# EXPERIMENT NO – 5

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BEL

# EXPERIMENT NO – 6

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW

# EXPERIMENT NO – 7

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELO

# EXPERIMENT NO – 8

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW

# EXPERIMENT NO – 9

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW

# EXPERIMENT NO – 10

**Aim –**

#### CIRCUT :

#### LEARNING:

NOTE – EXPLANATION SHOULD BE WRITTEN DOWN BELOW