Smart Waste Management

***Mini*** ***Project*** ***Report*** ***submitted*** ***in*** ***partial*** ***fulfillment.***

***of*** ***the*** ***requirement*** ***for*** ***the*** ***degree*** ***of***

**T.** **E.** **(Information** **Technology)**

Submitted By

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Under the Guidance of

Prof. Vinita Bhandiwad

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Vidyalankar Institute of Technology

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2020-21

CERTIFICATE OF APPROVAL

**For**

**Mini** **Project** **Report**

**On**

**Sensor Network Lab**

This is to Certify that

**Shardul Birje - 19101A2001**

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Have successfully carried out Mini Project entitled

“**Smart Waste Management**”

In partial fulfillment of degree course in

Information Technology

As laid down by University of Mumbai during the academic year 2020-21

Under the Guidance of

“Prof. Vinita Bhandiwad”

Signature of Guide Head of Department

Examiner 1 Examiner 2 Principal

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reckoned as guiding in our career.

1. **Shardul Birje**
2. **Rohana Survase**
3. **Sayali Khamgaonkar**

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**Abstract**

**1. Introduction**

**2. Aim and Objective**

**3. Problem Statement**

**4. Proposed System**

**5. Components**

5.1 Hardware Components

* Arduino Uno/Nano
* ESP 8266 WIFI module
* Ultrasonic Sensors
* Gas Sensor

5.2 Software Components

* ThingSpeak
* Blynk
* Arduino IDE

6. Logic

7.Code

8.Implementation

9.Deployment of testing

10. Conclusion and Future Scope

Link of project video: https://www.youtube.com/watch?v=XPnPQWppH1k