TYBSC – IT PROJECT 2020-21

TYBSC - IT Project 2020 – 21		
Roll number	Name	Project Name
EI02	Raksha Kosamkar	IoT Sanitizer Dispenser and Screening System
EI05	Vaibhav Ghadge	Online Bus Booking System
EI06	Mandar Gawand	Railway reservation system
EI07	Ninad Pednekar	wireless sanitizing van model
EI08	Nikita Kumawat	Automated car parking system
EI10	Prajwal Jadhav	Coaching Class Management System
EI13	Jatin Patil	Restaurant Food Delivery System
EI15	Aditi Raut	Retail shop stock inward and customer billing process
EI18	Vinit Thale	Online Salon management
EI19	Trijya Vengurlekar	Touchless doorbell
EI28	Madhav Wani	IOT Based Spy Drone
EI32	Divesh Belose	Ferry booking System
EI40	Aditya Patil	Job portal
EI61	Disha Khandalkar	Dumpster monitoring system

IoT Sanitizer Dispenser and Screening System

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Miss. Raksha Rajesh Kosamkar
EI-02**

Under the esteemed guidance of
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Head Of Department

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DEPARTMENT OF INFORMATION TECHNOLOGY

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CERTIFICATE

This is to certify that the project entitled, "IoT Sanitizer Dispenser and Screening System", is bonafied work of **Miss. Raksha Rajesh Kosamkar** bearing Seat. No: EI02(2018016400308716) submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

The project introduces an **IOT Sanitizer Dispenser and Human Temperature Detector** which is sanitized the hand, screening human temperature and open barrier gate. The unprecedented COVID-19 pandemic spread rapidly across nations and country after country responded with lockdown. There are countless infections and unfortunately casualties. Under these circumstances, one of the most important measures suggested by WHO (World Health Organization) is constant hand washing with either soap or hand sanitizer. The precautionary measures of staying safe, social distancing, sanitized yourself and necessary used mask to cover your nose and mouth.

In Today's world to solve this problem, there are many tools are accessible on the internet (i.e, thermometer, foot operated sanitizer dispenser) but to maintain all equipment we need a person. But, what about that persons health? his health may deteriorate. The system first sanitized person's hands then recorded human body temperature sent to cloud via internet and also show output to remote location on LCD(Liquid Crystal Display) display to view user. If there any default value will show in measurement the barrier gate will not open. That stop person, which help other people to stay safe.

The unlock process has already during this condition people step out of home for regular working purpose. In this condition, this system help to take care of people who went for working purpose.

Online Bus Booking System

A Project Report

Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
Mr. Vaibhav Dilip Ghadge
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Abstract

Online bus Booking system is a project which provides a portal for bus ticket reservation. This application allows users to book bus tickets from anywhere and anytime. The user can easily book their tickets and cancel tickets. The user can view all the details of the website, bus, and drive. The user can also view the details of the journey and the details of the journey timings.

Existing System:

In the existing system, all the booking process and the maintenance of the records is done manually. users who are interested in inquiring about the bus type, tickets price, available seats, facility of the bus etc. have to walk to the booking office. This creates a lot of time waste for the users.

Railway Reservation System

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Mr. Mandar Arvind Gawand
EI - 06**

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DEPARTMENT OF INFORMATION TECHNOLOGY

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This is to certify that the project entitled, "Railway Reservation System", is bonafied work of **Mr. Mandar Arvind Gawand** bearing Seat. No: _____ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

The Railway Reservation System is software for the purpose of reserving train seats at anytime from anywhere. My project is limited to Mumbai to Goa only, because a lot of tourists come to Kokan for holidays. So, I want to create a railway reservation system on the Kokan Express. This application provides us complete information about a train between specified source and destination. This application gives current status of reservation of particular train, fares for different classes of train and also waiting status. In this system train records are maintained and retrieved administrator all users and their transaction. Administrator has complete access to database and can add train or cancel train or add station for particular train or skip a station for train; departure or just increasing and decreasing the amount for tickets based on classes such as 2A, 3B, etc.

Online reservation has made the process for the reservation of seats very much easier than ever before.

Wireless Sanitizing Van Model

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Mr. Ninad Shriram Pednekar
EI-07**

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This is to certify that the project entitled, "Wireless Sanitizing Van Model", is bonafied work of **Mr. Ninad Shriram Pednekar** bearing Seat. No: _____ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

Nowadays, many diseases are spreading in the world. These diseases are spreading through an accident or there could be many reasons. The most recent "The Covid-19 Pandemic" caused by Corona Virus, which is spreads through exposing with Covid-19 Positive Patient, Touching surfaces which are not yet cleaned. Sweepers are giving their best but they are also exposing to the virus. To overcome this, we use the method called Sanitization. The main objective of this project is to develop a Sanitizing Van which can be controlled over a specific distance and which is also a contactless Van. If the sanitizer tank becomes empty the Van should inform the user about that. It will also inform the user if any obstacle found in front of Van which can give a damage.

This Project will help the Sweepers and can control the flow of Covid-19 Virus.

IoT Based Automated Car Parking System

A Project Report

Submitted in partial fulfillment of the
Requirements for the award of the Degree of

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
Miss. Nikita Harinarayan Kumawat
EI-08

Under the esteemed guidance of
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Lecturer

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YEAR 2020-21

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This is to certify that the project entitled, "IoT Based Automated Car Parking System", is bonafied work of **Miss. Nikita Harinarayan Kumawat** bearing Seat. No: _____ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   **Coordinator**

External Examiner

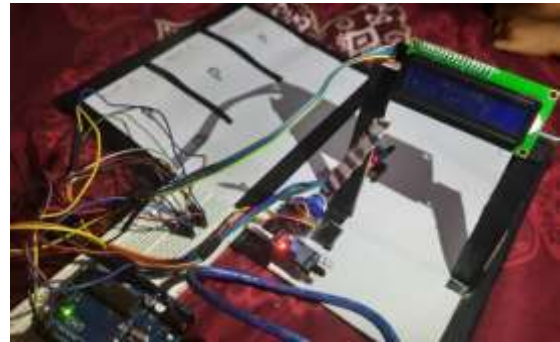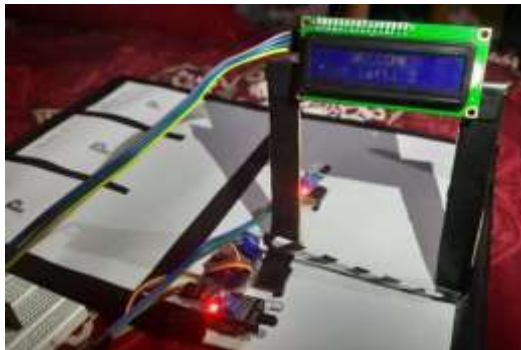**Date:**   **College Seal**

Abstract

Nowadays congestion of traffic level increases with the increasing development of population rapidly. With respect to the amount of population, the utilization of personal vehicles also increased. Due to more use of cars the traffic congestion occurred on the road. Most of the people chooses personal vehicles than public transportation. It is very difficult and time consuming to find parking space in most metropolitan areas, commercial areas, especially during the rush hours.

Automated car parking system project aims at providing a confusion free and easy parking. This project helps the drivers of the cars to park their vehicles with minimum wastage of time with accurate information of the availability of the space to park. An automated car parking system is a process through which car parking can be done more efficiently and easily than manual method. The system will provide the user better services.

Coaching Class Management System

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Prajwal Pramod Jadhav

EI-10

Under the esteemed guidance of
Mrs.DikshitaBhoir

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This is to certify that the project entitled, **"Coaching Class System",** is bonafied work of **Prajwal Pramod Jadhav**bearing Seat. No**: _____** submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

The idea behind this project is to solve the problem of tuition system in the normal way of maintaining and managing the class. Our main focus in this is to keep student data and student details. Only the owner or system administrator can work as data manager. Initially, the admin need more details about the course name, duration of lecture, fees for the course, etc. This will be more useful for keeping the student details and track of payments.

This system is gives advantages to the both owner and system administrator, where the two can access the system.

Online Food Ordering System

A Project Report

Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
Mr. Jatin Nitin Patil
EI-13

Under the esteemed guidance of
Mrs. Dikshita N. Bhoir

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YEAR 2020-21
DEPARTMENT OF INFORMATION TECHNOLOGY
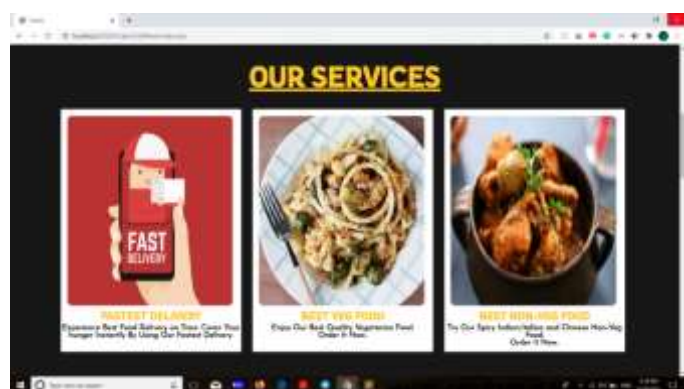
Abstract

The project "Online Food Ordering System" is a web-based application which allows user to order their favourite food from their nearest restaurant/hotel. Nowadays, in pandemic the demand for online food ordering is increasing, most peoples prefer ordering food online instead of manually going to the hotel and order their food. By using this website users not only order food online but also can pay their bills online. Online Food Ordering project will illustrate how to supervise for good performance and better service for users.

Online Food Ordering System is a website designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved.

RETAIL SHOP STOCK INWARD AND CUSTOMER BILLING PROCESS

A Project Report

Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
Miss. Aditi Sanjay Raut
EI-15

Under the esteemed guidance of
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Head Of Department

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DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE

This is to certify that the project entitled, "Retail Shop Stock Inward and Customer Billing Process", is bonafied work of **Miss. Aditi Sanjay Raut** bearing Seat. No: _____ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

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Date: College Seal

ABSTRACT

Almost all retailers are using software in order to create benefits for both retailers and customer, including billing process. As a result, a system called Retail Shop Stock Inward and Customer Billing Process using web will be developed to resolve all the current problems at retail shop. The main objective of this project is to create the system where the retailers can easily generate bills and can track all the records such as stock and billing details.

This system is gives advantages to the both user that is retailer and customer especially retailer, where the main user is retailer that will use the system.

Online Salon Management System

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Mr. Vinit Rajendra Thale
EI-18**

Under the esteemed guidance of
Mr. Sachin S. Bhostekar

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Abstract

Online Salon Management System is a web-based salon management application with appointment scheduling functionality. It connects clients, salons, and stylists in an online community allowing users to browse salons and stylists, and book or cancel appointments. Users can also write and read reviews of salons and particular stylists. Salons can specify the stylists that work at their salons, as well as the services they offer. Salons can also book appointments for customers, and can view and print schedules in convenient formats. This system is gives advantages to the both user's salon staff and end user especially customer, where the two users can access the system.

Some of the major use cases include user account registration, login/logout, appointment scheduling, schedule viewing and printing, adding stylists and services to a salon account, adding schedules to stylist account, accumulating points in a client account, writing and reading reviews for specified salons or services, and creating temporal salon promotions that users can browse and filter.

TOUCHLESS DOORBELL

A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Miss. Trijya Sudhir Vengurlekar

Seat No.EI19

Under the esteemed guidance of
Mr. Satyajit Tulpule
Lecturer

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MAHARASHTRA
YEAR 2020-21

DEPARTMENT OF INFORMATION TECHNOLOGY

<u>CERTIFICATE</u>

This is to certify that the project entitled, **"Touchless Doorbell"**, is bonafied work of **Miss. Trijya Sudhir Vengurlekar** bearing Seat No: EI19 submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   **Coordinator**

External Examiner

Date: **College Seal**
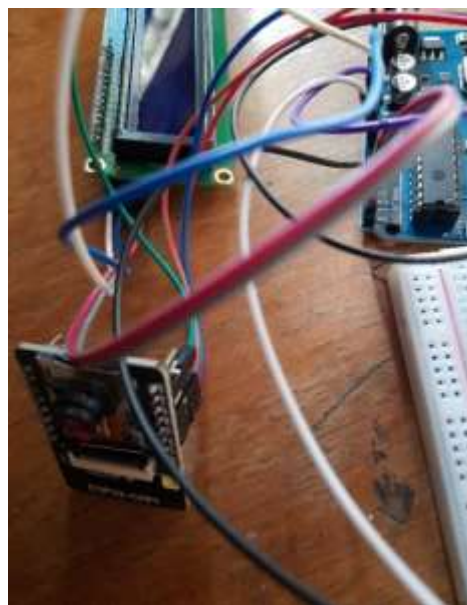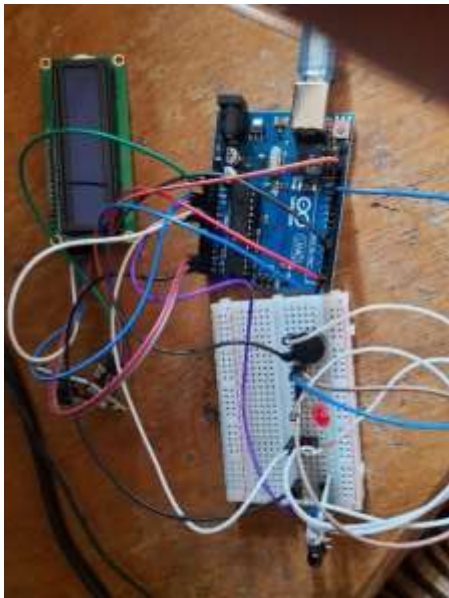
ABSTRACT

The proposed system of **Touchless Doorbell** which is type of system which will sense the hand moment of visitor when he/she moves or waves hand in front of the sensor and the doorbell will ring. The proposed system will help the person at the door to prevent infection of Coronavirus. It will help avoid contamination of corona affected person and message can be displayed on the LCD screen for the people visiting your house or office. As this system is touchless it can be easily used. This project will significantly help to contribute on individual level to prevent spreading of Coronavirus in the world.

     The objective of project are as follows:

> ➢ Easy to use
>
> ➢ Low cost
>
> ➢ User friendly

This project is to prevent the spread of virus infection by restricting people coming in contact with the virus spreading germs by going touchless. It will also help the person at the door to know that there is nobody in the house by the message displayed on the screen. The owner of the house can know who all are visiting his/her residence. It will help in the security purpose.

IOT BASED SPY DRONE

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Mr. Madhav Sachin Wani
EI-28**

Under the esteemed guidance of
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Lecturer

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AY 2020-21
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DEPARTMENT OF INFORMATION TECHNOLOGY

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This is to certify that the project entitled, "IOT based Spy Drone", is bonafied work of **Mr. Madhav Sachin Wani** bearing Seat. No: EI28 submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

Most of the Drones available in the market are very expensive and the cheaper drones aren't that useful also the concerns related to security are increasing day by day. Therefore we have decided to come up with a solution which is cost effective solution and more efficient system. Maintaining security is the most important thing in the society. Hence using Drones for security purpose allows us to watch over our surroundings from an aerial perspective.

Using aerial perspective gives us better field of vision and the extensive range of the drone helps us to reach even various remote locations which are difficult to reach for humans. This will reduce the manpower required for security purposes and is necessary effective measures can be taken more quickly with the help of Spy Drones.

Ferry Ticketing System

A Project Report

Submitted in partial fulfillment of the

Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By

Mr. Divesh Sharad Belose

EI-32

Under the esteemed guidance of

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This is to certify that the project entitled, "Ferry Ticketing System", is bonafied work of **Mr. Divesh Sharad Belose** bearing Seat. No: EI32 submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

The purpose of making a website is to provide the booking details and related information about ferry with ease. This site is very useful for booking ferry tickets. This side will inform user about ferry's timing and availability of seats, available space for vehicle and other features related to it. In today's world most of the people prefer online booking of tickets rather than booking tickets by visiting the ticket counter. This saves the time and ensures the user about their bookings.

As this site has 24*7 customer service and is user friendly to anyone can use it whenever they need to book the ferry tickets. The online ticket booking will help both the admin and the user.

Online Job Portal

A Project Report

Submitted in partial fulfillment of the
Requirements for the award of the degree

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
Mr. Aditya Kesarinath Patil
EI-40

Under the esteemed guidance of
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DEPARTMENT OF INFORMATION TECHNOLOGY
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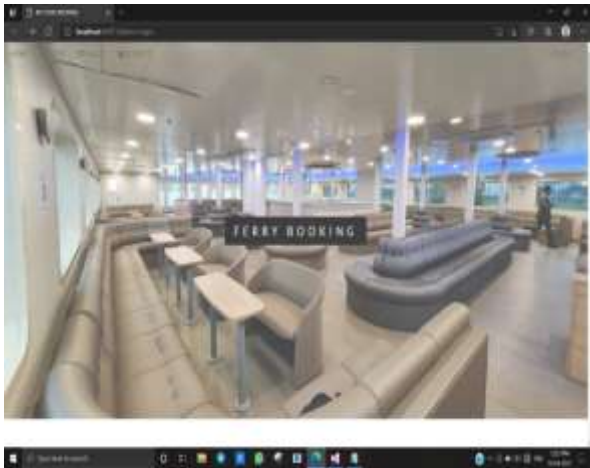**Jankibai Dhondo Kunte Commerce College**
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YEAR 2020-21
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DEPARTMENT OF INFORMATION TECHNOLOGY

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This is to certify that the project entitled, **"Online Job Portal",** is bonafied work of **Mr. Aditya Kesarinath Patil** bearing Seat. No**: _____** submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   **Coordinator**

External Examiner

Date: **College Seal**

Abstract

In this competitive era, the education among the people is so increasing that the jobs for them are now decreasing. The companies even want the people who are best in their fields. At that time, it becomes difficult to find the people who are intelligent enough to be hired. The work for the companies also increases to find the people who can fulfill their requirements. Thinking about these problems, one can think about the process which can handle this process and make the work less complex.

The project "Online Job Portal" is a web-based application which is aimed at developing an online search portal for the placement details for Job seekers. Nowadays, in pandemic the many people have lost their jobs in India because of lockdown this the best way for the job seekers to get their new job. In this project, I am actually discussing about how the job seekers can register or login and upload their curriculum vitae (cv) also companies can register and may also access or search any information put by Job seekers or post a new jobs. This project will eliminates the traditional recruitment process which will be cost effective and time saving.

Dumpster Monitoring System

A Project Report

**Submitted in partial fulfillment of the
Requirements for the award of the degree**

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

By
**Miss. Disha Balkrushna Khandalkar
EI-61**

Under the esteemed guidance of
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DEPARTMENT OF INFORMATION TECHNOLOGY

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This is to certify that the project entitled, "Dumpster Monitoring System", is bonafied work of **Miss. Disha Balkrushna Khandalkar** bearing Seat. No: _____ submitted in partial fulfillment of the requirements for the award of degree of BACHELOR OF SCIENCE in INFORMATION TECHNOLOGY from University of Mumbai.

Internal Guide   Coordinator

External Examiner

Date: College Seal

Abstract

In the present scenario as the population is increasing day by day, the environment should be clean and hygienic. In most of the cities, the overflowed garbage bins creating an unhygienic environment. This will further lead to the arise of different types of unnamed diseases. This will degrade the standard of living. The failure of removal of accumulated garbage is the sole reason for breeding of mosquitoes and houseflies which is root cause behind various deadly diseases like malaria, dengue, chikungunya and etc.

To avoid all such situations this project gives a clear picture of IOT based garbage monitoring system to keep environment clean and safe.

This project IOT based Dumpster monitoring system is a very innovative system which will help to keep the cities clean. This system monitors the garbage bins and informs about the level of garbage collected in the garbage bins via a web page.