## MINI PROJECT PART-B ON

## "APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM"

Submitted in partial fulfillment of
The Requirement for the award of
the
BACHELOR'S DEGREE (B.E.) IN CIVIL ENGINEERING,

#### SUBMITTED BY

MISS. TANVI ACHREKAR (0))
MRS. GAURI S. AKOLKAR (02)
MISS. SMITA S. BHAGAT (04)
MR. GANESH B. CHAUDHARY (10)

#### UNDER THE GUIDANCE OF

MR. SAMRIDDHI SHELAVALE

Conferred by

UNIVERSITY OF MUMBAI



#### DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH 2022-23

#### !!Sab Ka Malik Atma!!

## ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH



#### CERTIFICATE

(MINI PROJECT PART-B)

This is to certify that the Mini project titled "GEOGRAPHIC INFORMATION SYSTEM" duly submitted by the following students,

MISS. TANVI ACHREKAR (01)
MRS. GAURI S. AKOLKAR (02)
MISS. SMITA S. BHAGAT (04)
MR. GANESH B. CHAUDHARY (10)

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, SemesterVI-(Part-B) to be conferred by the **UNIVERSITY OF MUMBAI**. In my opini on, the work embodied in this report is comprehensive and fit for evaluation.

Prof.Samriddhi shelavle (Guide)

Prof.Samriddhi shelavle HOD(Civil)

Dr.D.D.SHINDE. (Principal)

#### MINI PROJECT PART- 2A

ON

Development of (AI based) Software or Mobile App. To identify size of cracks in distressed structure.

Submitted in partial fulfillment of the Requirement for the award of the BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by GROUP 1

SUDHIR AUTDAE. (03)
PRADEEP MUNDE. (32)
AAKASH RALE. (39)
NILESH GANGRUDE. (14)

**GUIDENCE BY** 

Prof. NISHIGANDHA DAVANE

Conferred by

UNIVERSITY OF MUMBAI

University of Mumbai



# DEPARTMENT OF CIVIL ENGINEERING ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH (2022-2023)

!! Sab Ka Malik Atma !!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research



## CERTIFICATE (MINI PROJECT PART-2A)

This is to certify that the Mini project titled "Development of (AI based) Software or Mobile App. To identify size of cracks in distressed structure." duly submitted by the following students

SUDHIR AUTDAE. (03)

PRADEEP MUNDE (82)

AAKASH RALE. (39)

NILESH GANGRUDE. (14)

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, Semester VI - (Part-2A) to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

Prof. NISHIGANDHA DAVANE

(Guide)

Prof. SAMRIDDHI SHELAVALE.

**HOD** (Civil)



Dr. D.D.SHINDE.

**Principal** 

!! Sab Ka Malik Atma !!

Vishwatmak Jangli Maharaj Ashram Trust's

Atma Malik Institute of Technology & Research

#### MINI PROJECT

ON

## THE MODEL SHOWING DAM GATE CONTROL OVER MONITORING SYSTEM

Submitted in partial fulfillment of the Requirement for the award of the

### BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by

#### **GROUP 1**

PRIYANKA MISAL (30)

DHANASHREE BHOIR (08)

AKANKSHA GAIKWAD (12)

MEGHA PADGHA

**GUIDENCE BY** 

**Prof. Pravin Thorat** 

Conferred by

#### UNIVERSITY OF MUMBAI

### University of Mumbai



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH
(2022-2023)

#### !! Sab Ka Malik Atma !!

#### Vishwatmak Jangli Maharaj Ashram Trust's

#### Atma Malik Institute of Technology & Research



#### **CERTIFICATE**

(MINI PROJECT)

This is to certify that the Mini project titled "The model showing dam gate control over monitoring system." duly submitted by the following students

PRIYANKA MISAL (30)

DHANASHREE BHOIR (06)

AKANKSHA GAIKWAD (12)

#### **MEGHA PADGHA**

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, Semester VI - to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this

report is comprehensive and fit for evaluation.

Prof. PRAVIN THORAT.

(Guide)

Prof. SAMRIDDHI SHELAVALE.

HOD (Civil)

Dr. D.D. SHINDE.

#### MINI PROJECT PART-2A

ON

## Soft soil improvement by Prefabricated vertical drain.

Submitted in partial fulfillment of the Requirement for the award of the

#### TE (CIVIL)

Submitted by

(11) JAYESH .R. FASALE (14) SAGAR. S. THAKARE (SHUBHAM K. GOND AMIT .P. CHAUDHARI (08)

**Guide: Prof. NISHIGANDHA MAM** 

Conferred by

#### UNIVERSITY OF MUMBAI



#### DEPARTMENT OF CIVIL ENGINEERING

#### ATMA MALIK INSTITUTE OF THECNOLOGY AND RESEARCH

AT -MOHILI, POST -AGHAI, TEL- SHAHAPUR.

(2022-2023)

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH AT MOHILI, POST- AGHAI, TEL - SHAHAPUR

DEPARTMENT OF CIVIL ENGINEERING



#### CERTIFICATE

#### (MINI PROJECT PART-2A)

This is to certify that the Mini project titled "soft soil improvement by prefabricated vertical drain." duly submitted by the following students

(44) SAGAR. S. THAKARE( SHUBHAM. K. GOND JAYESH. R. FASALE (11)
AMIT.P. CHAUDHARI (08)

It has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **TE** (CIVIL ENGINEERING) Semester III - (PartA) to be conferred by the UNIVERSITY OF MUMBAI. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

Prof. NISHIGANDHA MAM (Guide)

Prof. Samruddhi Selvale

**HOD** (Civil)

Dr. D. D. SHINDE

#### PROJECT REPORT

ON

#### IOT based smart traffic signal monitoring system using vehicle count

Submitted in partial fulfillment of the Requirement for the award of the

#### BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by

#### **GROUP 1**

Arvind Chaudhary (09)
Avinash Jethe (26)
Manthan Jadhav (19)
Shubham Bhoye (07)

**GUIDENCE BY** 

Prof. Nishigandha Davane

Conferred by

#### University of Mumbai



DEPARTMENT OF CIVIL ENGINEERING
ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH
(2022-2023)

#### !! Sab Ka Malik Atma !!

### Vishwatmak Jangli Maharaj Ashram Trust's

### Atma Malik Institute of Technology & Research



#### CERTIFICATE (MINI PROJECT PART-2B)

This is to certify that the Mini project titled "IOT based smart traffic signal monitoring system using vehicle count." duly submitted by the following students

#### ARVIND CHAUDHARY AVINASH JETHE MANTHAN JADHAV SHUBHAM BHOYE

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, Semester VI - (Part-2B) to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

9/

Prof. NISHIGANDHA DAVANE.

(Guide)

Prof. SAMRIDDHI SHELAVALE.

HOD (Civil)

\* 6

Dr. D.D.SHINDE.

#### MINIPROJECT PART-A

ON

#### SOILSTABILIZATIONFROMPLASTICFIBRE.

Submitted in partial fulfillment of theRequirementfor theaward of the

#### BACHELOR'SDEGREE(B.E)INCIVILENGINEERING,

Submittedby **GROUP1** 

PRANAY JADHAV. (23) CHANDAN THAPAD. (45) KARAN GAIKAWAD. (13) AMOL JADHAV. (50)

Guide: Prof. NISHIGANDA

Conferredby

#### UNIVERSITYOFMUMBAI



DEPARTMENT OF CIVIL ENGINEERING

VISHWATMKOMGURUDEVCOLLEGEOFENGINEERING

(2022-2023)

#### !!Sab KaMalikAtma !!

Vishwat mak Jang li Maharaj Ashram Trust's

## VISHWATMAKOMGURUDEVCOLLEGEOFENGINEERING



**CERTIFICATE** 

(MINIPROJECT)

This is to certify that the Mini project titled "IOT BASE SMART IRRIGATION SYSTEAM." duly submitted by the following students

hasbeen completed under my supervision in a satisfactory manner in a partial fulfillment of therequirements for the award of **Bachelor's Degree in Civil Engineering**, Semester VI tobe conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this reportiscomprehensive and fit for evaluation.

Prof.NISHIGANDHA

(Guide)

Prof.SAMRIDDHI SHELAVALE.

HOD(Civil)

Dr.D.D.SHINDE.

#### MINI PROJECT

ON

## DEVELOPMENT OF (AI BASED)SOFTWARE OR MOBILE APP DIDITIZATION OF NON-DESTRUCTIVE TESTING OF CONCRETE OF VARIOUS METHOD.

Submitted in partial fulfillment of the Requirement for the award of the

## BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by
OMKAR SHARAD GARGADE. (15)
BIKRAM AMIT GAYEN.
ABHISHEK RAGHUNATH YELONDE. (49)

Guide: Prof. NISHIGANDHA DAVANE

Conferred by

#### **UNIVERSITY OF MUMBAI**



## DEPARTMENT OF CIVIL ENGINEERING VISHWATMK OM GURUDEV COLLEGE OF ENGINEERING

(2022-2023)

## !! Sab Ka Malik Atma!! VishwatmakJangli Maharaj Ashram Trust's

#### VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING



#### CERTIFICATE

(MINI PROJECT PART-A)

This is to certify that the Mini project titled "DEVELOPMENT OF (AI BASED)
SOFTWARE OR MOBILE APP DIGITIZATION OF NON-DESTRUCTIVE
TESTING OF CONCRETE OF VARIOUS METHOD."duly submitted by the following students

OMKAR SHARAD GARGADE. BIKRAM AMIT GAYEN. ABHISHEK RAGHUNATH YELONDE.

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, Semester III - (Part-A) to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

Prof. NISHIGANDHA DAVANE

(Guide)

Prof. SAMRIDÐHÍ SHELAVALE HOD (Civil)



Dr. D.D.SHINDE.
Principal

#### MINI PROJECT PART

ON

## NON DESTRUCTIVE TESTING OF CONCRETE BY VARIOUS METHODS

Submitted in partial fulfillment of the Requirement for the award of the

BACHELOR'S DEGREE (T.E) IN CIVIL ENGINEERING,

Submitted by *GROUP* 

RUCHITA GOVARDHAN SONAR, Roll No. 41

CHIRAG SUDHIR PATIL, Roll No. 35

SANKET MOTIRAM PATIL, Roll No. 37

KALYANI BHARAT PATIL, Roll No. 36

Guide: Prof. Nishigandha Mandekar

Conferred by

UNIVERSITY OF MUMBAI



DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY & RESEARCH (AMRIT)

(2022-2023)

#### CERTIFICATE

This is to certify that the project entitled "NON DESTRUCTIVE TESTING OF CONCRETE BY VARIOUS METHODS" is a bonafide work of "ruchita govardhan sonar roll no. 41, chirag sudhir patil, roll no. 35, sanket motiram patil, roll no. 37, kalyani bharat patil, roll no. 36 submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the Bachelor's Degree in Civil Engineering, Semester VI to be conferred by the UNIVERSITY OF MUMBAI.

Prof. Nishigandha Mandekar (Guide)

Prof. SAMRIDDHI BHERE HOD (Civil)



Prof. **Dr.D.D.SHINDE**.
Principal

#### MINI PROJECT PART-2B

ON

## APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM USING QUANTAM GIS SOFTWARE.

Submitted in partial fulfillment of the Requirement for the award of the

#### BACHELOR'S DEGREE (T.E) IN CIVIL ENGINEERING,

Submitted by GROUP

BHARATI MADHUAKR JADHAV. URMILA RAVINADRA KAMBLE. (24) VINAYAK KHARTMOL VAIJNATH. ( SRUSHTI SHAILESH NIMSE. (33)

Guide: Prof. NISHIGANDHA DAVANE

Conferred by

#### UNIVERSITY OF MUMBAI



DEPARTMENT OF CIVIL ENGINEERING

ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH

(2022-2023)

## !! Sab Ka Malik Atma !! Vishwatmak Jangli Maharaj Ashram Trust's

## ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH



#### CERTIFICATE

(MINI PROJECT PART-2B)

This is to certify that the Mini project titled "APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM USING QUANTAM GIS SOFTWARE." duly submitted by the following students

BHARATI MADHUKAR JADHAV. URMILA RAVINDRA KAMBLE. (2-7) VINAYAK KHARTMOL VAIJNATH. SRUSHTI SHAILESH NIMSE (33)

has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirements for the award of **Bachelor's Degree in Civil Engineering**, Semester VI - (Part-2A) to be conferred by the **UNIVERSITY OF MUMBAI**. In my opinion, the work embodied in this report is comprehensive and fit for evaluation.

Prof.NISHIGANDHA DAVANE

(Guide)

Prof. SAMRIDDHI SHELAVALE Hod.CIVIL

Post Shall The fin

Dr.DD.SHINDE.
Principal

#### Mini Project Report

ON

## ADVANCE EARTHQUAKE RESISTANCE TECHNIQUE

Submitted in partial fulfilment of the Requirement for the award of the

BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING
Submitted by

vihar satish mithbavkar (31) sanskar ramchandra jadhav (24) shubham pawar (38)

Guide: Prof. Nishigandha Mam

Conferred by



#### UNIVERSITY OF MUMBAI

DEPARTMENT OF CIVIL ENGINEERING ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH

#### || Sab Ka Malik Atma||

#### Vishwatmak Jangle Maharaj Ashram Trust's

#### ATMA MALIK INSTITUTE OF TECVHNOLOGY AND RESEARCH



#### **CERTIFICATE**

This is to certify that the Report titled 'ADVANCE EARTHQUAKE RESISTANCE TECHNIQUE' duly submitted by the following students

VIHAR SATISH MITHBAVKAR (31)

SANSKAR RAMCHANDRA JADHAV (24)

SHUBHAM PAWAR (38)

Has been completed under my supervision in a satisfactory manner in a partial fulfillment of the requirement for the award of Bachelor's Degree in Civil Engineering Semester-VI to be conferred by the UNIVERSITY OF MUMBAI.

Prof. Nishigandha Mam

(Guide)

Prof. Samruddhi Shelavale

(H.O.D

External Examiner

#### MINI PROJECT

ON

## SMART TRAFFIC MANAGEMENT USING INTERNET OF THINGS

Submitted in partial fulfilment of the Requirement for the award of the

BACHELOR'S DEGREE (B.E) IN CIVIL ENGINEERING,

Submitted by

POOJA ASHOK JADHAV. (22) SHUBHUM RAMESH SHELAR. (40) MOHAK ANIL JADHAV. (20) YASH JAGDISH JADHAV. (25)

Guide: Prof. PRAVIN THORAT SIR
HOD: Prof. SAMRIDDHI SHELAVALE MAM

Conferred by



UNIVERSITY OF MUMBAI

DEPARTMENT OF CIVIL ENGINEERING VISHWATMK OM GURUDEV COLLEGE OF ENGINEERING

#### !! Sab Ka Malik Atma !!

Vishwatmak Jangli Maharaj Ashram Trust's

### ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH



CERTIFICATE

(MINI PROJECT)

This is to certify that the Mini project titled "Smart traffic management system using INTERNET OF THINGS" duly submitted by the following students

> POOJA ASHOK JADHAV. (22) SHUBHUM RAMESH SHELAR. (40) MOHAK ANIL JADHAV. (20) YASH JAGDISH JADHAV. (25)

has been completed under my supervision in a satisfactory manner in a partial fulfilment of the

requirements for the award of Bachelor's Degree in Civil Engineering. Semester VI to be conferred by the UNIVERSITY OF MUMBAI. In my opinion, the work embodied in this report is comprehensive fit for

Prof. RRAVIN THORAT SIR

Guide

Prof. SAMRIDDHI SHELAVALE MAM

**HOD(Civil)** 

External Examinee

#### MINI PROJECT ON

#### PROJECT ON TUNNELING

Submitted in partial fulfilment of the Requirement for the award of the

BACHELOR'S DEGREE (TEE) IN CIVIL ENGINEERING,

Submitted by

BHAVIKA SANJAY BHOIR. (05)
NITESH MARUTI JADHAV. (21)
DIPESH DATTATRAYA THAKARE. (43)
NIKITA HALYA TELIVARE. (42)

**Guide: Prof. NISHIGANDHA MAM** 

HOD: Prof. SAMRIDDHI SHELAVALE MAM
Conferred by



#### UNIVERSITY OF MUMBAI

DEPARTMENT OF CIVIL ENGINEERING VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING Vishwatmak Jangli Maharaj Ashram Trust's

#### ATMA MALIK INSTITUTTE OF TECHNOLOGY AND RESEARCH



**CERTIFICATE** 

(MINI PROJECT)

This is to certify that the Mini project titled "PROJECT ON TUNNELING" duly submitted by the following students

> BHAVIKA SANJAY BHOIR (05) NITESH MARUTI JADHAV. (21) DIPESH DATTATRAYA THAKARE. (43) NIKITA HALYA TELIVARE. (42)

has been completed under my supervision in a satisfactory manner in a partial fulfilment of the requirements for the award of Bachelor's Degree in Civil Engineering. Semester VI to be conferred by the UNIVERSITY OF MUMBAI. In my opinion, the work embodied in this report is comprehensive fit for

Prof. NISHIGANDHA MAM

Guide

Prof. SAMRIDDHI SHELAVALE MAM

HOD(Civil)

EXTERNAL EXAMINER

DR D.D.SHINDE SIR.

