



CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY

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Affiliated to the Mumbai University, Approved By AICTE - New Dehli.

DTE Maharashtra (DTE Code : 3477)

St. Wilfred's Education Society, Near Shedung Toll Plaza, Old Mumbai-Pune Highway, Panvel - 410206.

Tel.: 0214 - 239091 / 61. Mob.: +91-92234 34581 / 92244 34581. Email : swc.mumbai@gmail.com

SAMPLE BE PROJECT BLACKBOOK CERTIFICATES

A
Project Report
On
“SOCIAL MEDIA PLATFORM FOR CODERS
CODE-X”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**
Computer Engineering (SEM VIII)

By

SAURABH PATIL

PARIKSHIT THALE

AMAAN KHAN

DHIRAJ DALVI

Under the guidance of

Prof. ANUP MAURYA



Department of Computer Engineering

Wilfred's Education Society

Chhatrapati Shivaji Maharaj Institute of Technology

Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-2023



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

**Mr. SAURABH PATIL, Mr. PARIKSHIT THALE, Mr. AMAAN KHAN,
Mr. DHIRAJ DALVI SEM.VIII, BE Computer, Roll No: 42, 67, 29, 11 has
Satisfactorily completed the requirements of the Major Project-II entitled**

“SOCIAL MEDIA PLATFORM FOR CODERS CODE-X”

As prescribed by the University of Mumbai Under the guidance of

PROF. ANUP MAURYA

Guide

(Prof. Anup Maurya)

HOD

(Prof. Anup Maurya)

Principal

(Dr. Dharmendra Dubey)

Internal Examiner

Prof. Anup Maurya



External Examiner

Prof. Dr. Gayatri Buekhan

A
Project Report
On
“CANDIDATE RECOGNIZATION”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

Sakshi Bhoyar (05)

Harshita Chawhan (08)

Iqra Khan (31)

Shadab Khan (32)

Under the guidance of

Prof. Anup Maurya



Department of Computer Engineering
Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. Sakshi Bhojar, Ms. Harshita Chawhan, Ms. Iqra Khan, Mr. Shadab Khan Sem.VIII,
BE Computer, Roll No: 05,08,31,32 has

satisfactorily completed the requirements of the Major Project-II entitled

“CANDIDATE RECOGNIZATION”

As prescribed by the University of Mumbai Under the guidance of

Prof. Anup Maurya


HOD

(Prof. Anup Maurya)



Principal

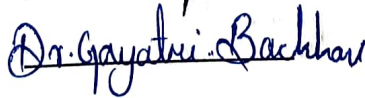
(Dr. Dharmendra Dubey)


Guide

(Prof. Anup Maurya)


Internal Examiner


External Examiner


Dr. Gayatri Bachhan



A

Project Report On

“BitTwit”

Submitted in partial fulfillment of the requirement of the University of Mumbai for the
Degree of **Bachelor of Engineering**

Computer Engineering (Sem VII)

By

Priyen Pandit Maskar (50)

Mayur Govind Koli (35)

Atharva Vinayak Ingavale (19)

Under the guidance of Prof. Anup Maurya

Department of Computer Engineering



Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai Academic

Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. Priyen Pandit Maskar, Mr. Mayur Govind Koli, Mr. Atharva Vinayak Ingavale,
Sem. VII, BE Computer, Roll No: 50,35,19, *has satisfactorily completed the requirements of the*
Major Project-I entitled

“BitTw”

As prescribed by the University of Mumbai Under the guidance of

Prof. Anup Maurya

Guide
(Dr/Prof. Anup Maurya)

HOD
(Dr. (Anup Maurya))

Principal
(Dr. Dharmendra Dube)

Internal Examiner
Prof. Anup Maurya



External Examiner
Prof. Dr. Gayatri Bachmay

A
Project Report
On
**“NLP-BASED AUTOMATED SCRIPT
OUTLINE GENERATOR”**

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (SEM VIII)

By

MANSI BORADE (07)

PRADNYA KAMBLE (23)

ISHA SINGH (61)

Under the guidance of

PROF. HARISH CHANDRA MAURYA



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. MANSI BORADE, Ms. PRADNYA KAMBLE, Ms. ISHA SINGH
SEM.VII, BE Computer, Roll No: **07, 23, 61** has
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“NLP-BASED AUTOMATED SCRIPT OUTLINE GENERATOR”

As prescribed by the University of Mumbai Under the guidance of

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(Dr. Dharmendra Dubey)

Guide

(Prof. Harish Chandra Maurya)

Internal Examiner

Prof. K.S. Bhawale

External Examiner

Prof. _____



A
Project Report

On

“Cyber Shopping Website”

Submitted in partial fulfillment of the requirement of the University of Mumbai for
the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

Oshan Dhandar (13)

Khan Wasif (33)

Rahul Malvankar (37)

Under the guidance of

Prof. Anup Maurya



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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Academic Year 2022 – 23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022 – 23

CERTIFICATE

This is to certify that

Mr. Oshan Dhandar, Mr. Khan Wasif, Mr. Rahul Malvankar,

Sem VIII, BE Computer, Roll No: 13, 33, 37 has

Satisfactorily completed the requirements of the Major Project-II entitled

“Cyber Shopping Website”

As prescribed by the University of Mumbai under the Guidance of

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(Prof. Anup Maurya)

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(Dr. Dharmendra Dubey)

Internal Examiner

External Examiner



A
Project
Report On
“MOBILE TRACKING SYSTEM”

Submitted in partial fulfillment of the requirement of the University of
Mumbai for the Degree of **Bachelor of Engineering**

Computer Engineering (SEM VIII)

By

SUJIT PATIL

TANUSHRI PATIL

RACHANA THAKUR

Under the guidance of

PROF. HARISHCHANDRA MAURYA



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. SUJIT PATIL, Ms. TANUSHRI PATIL, Ms. RACHANA THAKUR SEM.VIII, BE
Computer, Roll No: 46,47,66-.has


satisfactorily completed the requirements of the Major Project-II entitled

“MOBILE TRACKING SYSTEM”


As prescribed by the University of Mumbai Under the guidance of


Prof. Harishchandra Maurya

Guide
(Prof. Harishchandra
Maurya)


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(Prof. Anup Maurya)


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(Dr. Dharmendra Dube)


Internal Examiner
Prof. K.S. Bhawale


External Examiner
Prof.-----



A
Project Report
On
**“ECOMMERCE WEB APP USING
REACT.JS”**

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

SANKET GAIKWAD (15)

SUMIT GUPTA (17)

KSHITIJ PATIL (44)

Under the guidance of

Prof. KALIDAS BHAWALE



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. Sanket Gaikwad, Mr. Sumit Gupta, Mr. Kshitij Patil
Sem.VII, BE Computer, Roll No: 15, 44, 17 has

Satisfactorily completed the requirements of the Major Project-I entitled

“ECOMMERCE WEB APP USING REACT.JS”

As prescribed by the University of Mumbai Under the guidance of

Prof. Kalidas Bhawale

Guide

(Prof. Kalidas Bhawale)

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External Examiner

Prof. Dr. Gayatri Bachhav

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Project Report

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**“ECOMMERCE WEB APP USING
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Computer Engineering (Sem VIII)

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Prof.
Dr. Gayatri Bachhav

A
Project Report
On
“PERFECT PLACEMENT”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**
Computer Engineering (SEM VIII)

By

MANSI WALUGADE

RAHUL KANAJE

AKASH CHIKANE

PRANIT PATIL

Under the guidance of

Prof. ANUP MAURYA



Department of Computer Engineering
Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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University of Mumbai
Academic Year 2022-2023



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. MANSI WALUGADE, Mr. RAHUL KANAJE, Mr. PRANIT PATIL, Mr. AKASH CHIKANE SEM.VIII, BE Computer, Roll No: 68,24,45,09 has
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(Prof. Anup Maurya)

HOD

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(Dr. Dharmendra Dubey)

Internal Examiner

Prof.-----



External Examiner

Prof. Dr. Gayatri Bachhav

A
Project Report
On
**“ENRICHING FRAUD DETECTION BY USING
MACHINE LEARNING”**

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

- 1. Shraddha Yashwant Mokal**
- 2. Nikhil Chandrasen Khandagale**
- 3. Shubham Deepak Sohani**

Under the guidance of

Prof. Harishchandra Maurya



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist:Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering
Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. Shraddha Mokal, Mr. Nikhil Khandagale, Mr. Shubham Sohani
Sem. VIII,
BE Computer,
Roll No: 39, 34, 62 has


Satisfactorily completed the requirements of the Major Project-I entitled

“ENRICHING FRAUD DETECTION BY USING MACHINE LEARNING”


As prescribed by the University of Mumbai Under the guidance of

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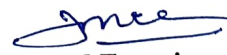
Guide 
(Prof. Harishchandra Maurya)


HOD
(Prof. Anup Maurya)


Principal
(Dr. Dharmendra Dubey)


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Prof. K.S. Bhawale




External Examiner
Prof.-----

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Internal Examiner

Prof.-----



External Examiner

Prof.-----

A
Project Report
On

“Live Latest News Using API (SAR)”

Submitted in partial fulfillment of the requirement of the University of
Mumbai for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

ASHOK SHARMA (54)

ROHIT SHINDE (58)

SAVIO JOHNSON (21)

Under the guidance of

Prof. Harish Chandra Maurya



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. Ashok Sharma, Mr. Rohit Shinde, Mr. Savio Johnson
Sem.VIII, BE Computer, Roll No: 54,58,21 has

Satisfactorily completed the requirements of the Major Project entitled

“LIVE LATEST NEWS USING API (SAR)”

As prescribed by the University of Mumbai Under the guidance of

Prof. Harish Chandra Maurya

Guide

(Prof. Harish Chandra Maurya)

HOD

(Prof. Anup Maurya)

Principal

(Dr. Dharmendra Dubey)

Internal Examiner

Prof. H.C. Maurya

External Examiner

Prof. Nilesh Bhetkar



A
Project Report
On

“Live Latest News Using API (SAR)”

Submitted in partial fulfillment of the requirement of the University of
Mumbai for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

ASHOK SHARMA (54)

ROHIT SHINDE (58)

SAVIO JOHNSON (21)

Under the guidance of

Prof. Harish Chandra Maurya



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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University of Mumbai

Academic Year 2022-23



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Department of Computer Engineering

Academic Year 2022-23

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(Prof. Anup Maurya)

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A
Project Report
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Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**
Computer Engineering (SEM VIII)

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MANSI WALUGADE

RAHUL KANAJE

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Under the guidance of

Prof. ANUP MAURYA



Department of Computer Engineering
Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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Department of Computer Engineering

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Principal

(Dr. Dharmendra Dubey)

Internal Examiner

Prof.-----



External Examiner

Prof. Dr. Gayatri Beehkar

A
Project Report
On
“AMASHOP APP USING FLUTTER”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering

By

ROHIT SHARMA (56)

AIMAN ANSARI (01)

HAMMAD KHAN (30)

KHIZAR SOLKAR (63)

Under the guidance of

Prof. Snehal Raskar



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that


Mr. Rohit Sharma, Mr. Aiman Ansari, Mr. Hammad Khan, Mr. Khizar Solkar
Sem. VIII, BE Computer, Roll No: 56,01,30,63 has


Satisfactorily completed the requirements of the Major Project entitled


“AMASHOP APP USING FLUTTER”


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Guide
(Prof. Snehal Raskar)


HOD
(Prof. Anup Maurya)

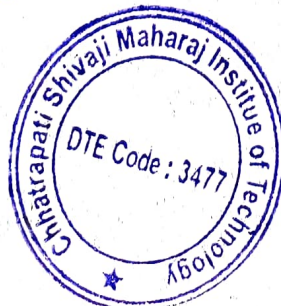

Principal
(Dr. Dharmendra Dubey)


Internal Examiner

Prof. K.S. Bhawale


External Examiner

Prof. Nilesh Shelkar



A

Project Report On

“Question And Answers Community”

Submitted in partial fulfillment of the requirement of the University of Mumbai for the
Degree of **Bachelor of Engineering**

Computer Engineering (Sem VII)

By

Aman Nabi Rasul Pinjar (49)

Abhishek Ajay Jadhav (20)

Yash Atul Banait (02)

Shruti Devidas Mane (38)

Under the guidance of Prof. Snehal Raskar

Department of Computer Engineering



Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology Shedung,
Panvel Dist:Raigad-410206

University of Mumbai Academic

Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. Aman Nabi Rasul Pinjar, Mr. Abhishek Ajay Jadhav, Mr. Yash Atul Banait,
Ms. Shruti Devidas Mane Sem. VII, BE Computer, Roll No: 49,20,02,38 has satisfactorily
completed the requirements of the Major Project-I entitled

“Question And Answers Community”

As prescribed by the University of Mumbai Under the guidance of

Prof. Snehal Raskar

Guide
(Dr./Prof.Snehal Raskar)

HOD
(Dr. (Anup Maurya)

Principal
(Dr. Dharmendra Dube)

Internal Examiner

Prof.



External Examiner

Prof. Dr. Gayatri Barchha

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Project Report On

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Submitted in partial fulfillment of the requirement of the University of Mumbai for the
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Department of Computer Engineering



**Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology Shedung,
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(Dr/Prof.Snehal Raskar)



HOD

(Dr. (Anup Maurya)




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Prof.




External Examiner
Prof. Dr. Laxmi Bhatnagar

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Project Report
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“AMASHOP APP USING FLUTTER”

Submitted in partial fulfillment of the requirement of the University of Mumbai
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Computer Engineering

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Department of Computer Engineering

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A
Project Report
On
**“DIGITAL COLLEGE APP USING
ANDROID”**

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering

By

SAIF BODU (06)

GANESH GHORPADE (16)

SAGAR PAWAR (48)

SAAD SHAIKH (53)

Under the guidance of

Prof. SNEHAL RASKAR



Department of Computer Engineering

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Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Mr. Saif Bodu, Mr. Ganesh Ghorpade, Mr. Sagar Pawar, Mr. Saad Shaikh
Sem. VIII, BE Computer, Roll No: 06,16,48,53 has

Satisfactorily completed the requirements of the Major Project entitled

“DIGITAL COLLEGE APP USING ANDROID”

As prescribed by the University of Mumbai Under the guidance of

Prof. Snehal Raskar

Guide
(Prof. Snehal Raskar)

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(Prof. Anup Maurya)

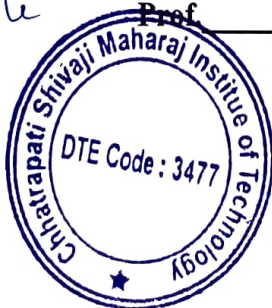
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This is to certify that

Mr. Saif Bodu, Mr. Ganesh Ghorpade, Mr. Sagar Pawar, Mr. Saad Shaikh
Sem. VIII, BE Computer, Roll No: 06,16,48,53 *has*

Satisfactorily completed the requirements of the Major Project entitled

“DIGITAL COLLEGE APP USING ANDROID”

As prescribed by the University of Mumbai Under the guidance of

Prof. Snehal Raskar


Guide

(Prof. Snehal Raskar)


HOD

(Prof. Anup Maurya)


Principal

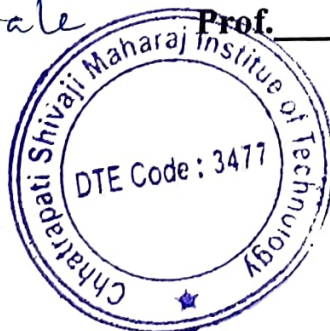
(Dr. Dharmendra Dubey)


Internal Examiner

Prof. K.S. Bherwale


External Examiner

Prof. _____



A
Project Report
On
“DRIVER SLEEP DETECTION AND
ALARM SYSTEM”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (SEM VIII)

By

MINAL KOLI

NISHAD SUTAR

SIDDHIKA KANASE

Under the guidance of

Prof. SNEHAL RASKAR



Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. MINAL KOLI, Mr. NISHAD SUTAR, Ms. SIDDHIKA KANASE SEM.VIII, BE
Computer, Roll No: 36, 65, 25.has

Satisfactorily completed the requirements of the Major Project-II entitled

“DRIVER SLEEP DETECTION SYSTEM WITH ALARM SYSTEM”

As prescribed by the University of Mumbai Under the guidance of

Prof. SNEHAL RASKAR

Guide

(Prof. Snehal Raskar)

HOD

(Prof. Anup Maurya)

Principal

(Dr. Dharmendra Dubey)

Internal Examiner

Prof. K.S. Khawale

External Examiner

Prof.-----



A
Project Report
On
“DRIVER SLEEP DETECTION AND
ALARM SYSTEM”

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for the Degree of **Bachelor of Engineering**

Computer Engineering (SEM VIII)

By

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SIDDHIKA KANASE

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Department of Computer Engineering

Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
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Academic Year 2022-23

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HOD

(Prof. Anup Maurya)

Principal

(Dr. Dharmendra Dubey)

Internal Examiner

Prof. K.S. Shaware

External Examiner

Prof.-----



**A
Project Report
On**

“VOICE BASED DIGITAL NOTICE BOARD”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

Tanushree Batwal

Kashmira Dalvi

Neha Salunkhe

Sonam Bhoir

Under the guidance of

Prof. Anup Maurya



Department of Computer Engineering

Wilfred's Education Society

Chhatrapati Shivaji Maharaj Institute of Technology

Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

CERTIFICATE

This is to certify that

Ms. Tanushree Batwal, Ms. Kashmira Dalvi,

Ms. Neha Salunkhe, Ms. Sonam Bhoir of Sem.VIII, BE Computer , has satisfactorily completed the requirements of the Major Project-I entitled

“VOICE BASED DIGITAL NOTICE BOARD”

As prescribed by the University of Mumbai Under the guidance of

Prof. Anup Maurya


Guide


Prof. Anup Maurya


HOD


Prof. Anup Maurya


Principal

Dr. Dharmendra Dhubey


Internal Examiner




External Examiner
Dr. Gayatri Bachhav

A
Project Report
On

“VOICE BASED DIGITAL NOTICE BOARD”

Submitted in partial fulfillment of the requirement of the University of Mumbai
for the Degree of **Bachelor of Engineering**

Computer Engineering (Sem VIII)

By

Tanushree Batwal

Kashmira Dalvi

Neha Salunkhe

Sonam Bhoir

Under the guidance of

Prof. Anup Maurya



Department of Computer Engineering

Wilfred's Education Society

Chhatrapati Shivaji Maharaj Institute of Technology

Shedung, Panvel Dist: Raigad-410206

University of Mumbai

Academic Year 2022-23



Chhatrapati Shivaji Maharaj Institute of Technology

Department of Computer Engineering

Academic Year 2022-23

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Ms. Neha Salunkhe, Ms. Sonam Bhoir of Sem.VIII, BE Computer , has satisfactorily completed the requirements of the Major Project-I entitled

“VOICE BASED DIGITAL NOTICE BOARD”

As prescribed by the University of Mumbai Under the guidance of

Prof. Anup Maurya

Guide

Prof. Anup Maurya

HOD

Prof. Anup Maurya

Principal

Dr. Dharmendra Dhubey

Internal Examiner



External Examiner

Dr. Gayatri Bachan

A
Project Report
On
**“WASTE HEAT RECOVERY SYSTEM FROM VCR
(HEATING & COOLING)”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

ANURAG RATNAKAR KENI

ANIKESH SUDESH MHATRE

SAURABH DHANANJAY PATIL

ANIKET NANDKUMAR WAIKAR

Under the Guidance of

Prof. Neeta Gawade



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)**

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that Project synopsis report entitled
“WASTE HEAT RECOVERY SYSTEM FROM VCR
(HEATING & COOLING)”

Successfully submitted by following students:

ANURAG RATNAKAR KENI
ANIKESH SUDESH MHATRE
SAURABH DHANANJAY PATIL
ANIKET NANDKUMAR WAIKAR

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Mechanical Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-23

GUIDE

PROF. NEETA GAWADE

H.O.D.

PROF. MANOJ DONGARE

CO-GUIDE

PROF.

EXTERNAL EXAMINER

PROJECT CO-ORDINATOR

PROF. SWAPNIL BHOIR

PRINCIPAL

DR. DHARMENDRA DUBEY

A
Project Thesis Report
On

**“DESIGN AND FABRICATION OF SOLAR OPERATED SEMI-AUTOMATIC
PESTICIDE SPRAYER”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

MR. BAVKAR ARJUN JANU

MR. JANKAR ANIKET RAJARAM

MR. MHATRE RUSHIKESH ROHIDAS

MR. SONNI YOGESH RAMESH

Under the Guidance of

Prof. Dr. Dharmendra dubey



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)**

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



**DEPARTMENT OF MECHANICAL ENGINEERING
CERTIFICATE**

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**“DESIGN AND FABRICATION OF SOLAR OPERATED SEMI-AUTOMATIC
PESTICIDE SPRAYER”**

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MR. JANKAR ANIKET RAJARAM

MR. MHATRE RUSHIKESH ROHIDAS

MR. SONNI YOGESH RAMESH

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GUIDE

DR. DHARMENDRA DUBEY

CO-GUIDE

PROF. SWAPNIL BHOIR

PROJECT CO-ORDINATOR

PROF. SWAPNIL BHOIR

H.O.D.

PROF. MANOJ DONGARE

EXTERNAL EXAMINER

PRINCIPAL

DR. DHARMENDRA DUBEY

A
Project Thesis Report
On
**“STATIC ANALYSIS OF RADIATOR FAN BLADE USING
ANSYS R2 2022”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

Kharat Sumedh Subhash

Khadake Omkar Raghunath

Tadvi Asif Kadar

Thorat Vinayak Harishchandra

Under the Guidance of

DR. DHARMENDRA DUBEY



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)**

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

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“STATIC ANALYSIS OF RADIATOR FAN BLADE USING ANSYS R2 2022”
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Kharat Sumedh Subhash

Khadake Omkar Raghunath

Tadvi Asif Kadar

Thorat Vinayak Harishchandra

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Mechanical Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-23

GUIDE
DR. DHARMENDRA DUBEY

CO- GUIDE
PROF. NUTANKUMAR KALE

PROJECT CO-ORDINATOR
PROF. SWAPNIL BHOIR

H.O.D.
PROF. MANOJ DONGARE

EXTERNAL

PRINCIPAL
DR. DHARMENDRA DUBEY

A
Project Thesis Report
On
**“ANALYSIS OF DISC BRAKE IN DIFFERENT
TYPE OF MATERIAL”**

Submitted in partial fulfillment of the requirement

For the degree of
Bachelors of Engineering
In
Mechanical Engineering

By
Vinit Deepak Sakpal
Sanket Namdev Garud

Under the Guidance of
Prof. NutanKumar Kale



DEPARTMENT OF MECHANICAL ENGINEERING
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

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Sanket Namdev Garud

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GUIDE

PROF. DHARMENDRA DUBEY


CO-GUIDE

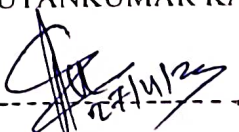
PROF. NUTANKUMAR KALE



PROJECT CO-ORDINATOR

PROF. SWAPNIL BHOIR


H.O.D.

PROF. MANOJ DONGARE


EXTERNAL


PRINCIPAL

DR. DHARMENDRA DUBEY

A
Project Thesis Report
On
**“DESIGN AND FABRICATION OF SOLAR PANEL COOLING AND
CLEANING SYSTEM”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

Patil Mahendra Changa

Sule Nikhil Dharmaraj

Shaikh Jawwad A. Mohammad A.

Mhatre Sachin Shashikant

Under the Guidance of

Prof. Pratiksha Nargolkar



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)**

HATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that Project synopsis report entitled
**“DESIGN AND FABRICATION OF SOLAR PANEL COOLING AND
CLEANING SYSTEM”**

successfully submitted by following students:

Patil Mahendra Changa

Sule Nikhil Dharmaraj

Shaikh Jawwad A. Mohammad A.

Mhatre Sachin Shashikant

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Mechanical Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-23

GUIDE

PROF. PRATIKSHA NARGOLKAR

H.O.D.

PROF. MANOJ DONGARE

EXTERNAL EXAMINER

PROJECT CO-ORDINATOR

PROF. SWAPNIL BHOIR

PRINCIPAL

DR. DHARMENDRA DUBEY

A
Project Thesis Report
On
**“An Empirical Investigation of Six Sigma
Practices in Indian Manufacturing Industry”**

Submitted in fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

Wadkar Vicky Raju

Kedar Parag Chabhu

Nidhi Sameer Santosh

Patil Prathmesh Shrinivas

Under the Guidance of

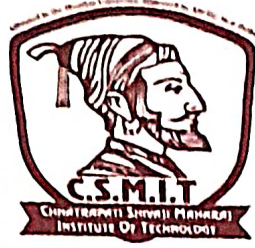
Prof. Pratiksha Nargolkar



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, panvel.
Affiliated to University of Mumbai
(2022-2023)**

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY, PANVEL**



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that Project report entitled
**“An Empirical Investigation of Six Sigma Practices in Indian
Manufacturing Industry”**

successfully submitted by following students:

**Wadkar Vicky Raju
Kedar Parag Chabbu
Nidhi Sameer Santosh
Patil Prathmesh Shrinivas**

As per the syllabus and in fulfillment for the completion bachelor's degree
in Mechanical Engineering from university of Mumbai, it is also certified that
this is the original work of candidate done during the academic year 2022-23

Guide -Prof. Pratiksha Nargolkar

Coordinator -Prof. Swapnil Bhoir

HOD. Prof. Manoj Dongare

Principal – Dr. Dharmendra Dubey

27/11/22

EXTERNAL EXAMINER

A
Project Thesis Report
On
**“DAILY MANAGEMENT PROCESS FOR REDUCING COST OF
QUALITY IN AUTOMOBILE INDUSTRY”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

Shaikh Asif Tufel

Shaikh Abu Talha Nizamuddin

Tiwari Prashant Avdesh

Dongarkar Mohammed Maaz Ramzan

Under the Guidance of

Prof. Pratiksha Nargolkar



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)**

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY,
PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

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**DAILY MANAGEMENT PROCESS FOR REDUCING COST OF QUALITY IN
AUTOMOBILE INDUSTRY”**

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Dongarkar Mohammed Maaz Ramzan

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GUIDE
PROF. PRATIKSHA NARGOLKAR

CO-GUIDE
PROF. SWAPNIL BHOIR

PROJECT CORDINATOR
PROF. SWAPNIL BHOIR

H.O.D.
PROF. MANOJ DONGARE

PRINCIPAL
DR. DHARMEDRA DUBEY

EXTERNAL EXAMINER

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY, PANVEL



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that Project synopsis report entitled
**“DESIGN AND FABRICATION OF MULTIPURPOSE FOLDABLE
TRICYCLE”**

successfully submitted by following students:

MR. ADESH MANSING CHAVAN

MR. PANKAJ SHRIKANT KASAR

MR. PRATIK RAMCHANDRA MALI

MR. PRAJYOT PRAKASH TALKAR

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Mechanical Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-23.

GUIDE
MRS. PRATIKSHA NARGOLKAR

PROJECT CO-ORDINATOR
PROF. SWAPNIL BHOIR

H.O.D.
PROF. MANOJ DONGARE

EXTERNAL
EXAMINER

PRINCIPAL
DR. DHARMENDRA DUBEY

A
Project Thesis Report
On
**“DESIGN AND FABRICATION OF MULTIPURPOSE FOLDABLE
TRICYCLE”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

MR. ADESH MANSING CHAVAN

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MR. PRATIK RAMCHANDRA MALI

MR. PRAJYOT PRAKASH TALKAR

Under the Guidance of

MRS. PRATIKSHA NARGOLKAR

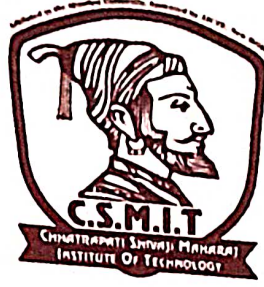


DEPARTMENT OF MECHANICAL ENGINEERING

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.

Affiliated to University of Mumbai

(2022-2023)



DEPARTMENT OF MECHANICAL ENGINEERING

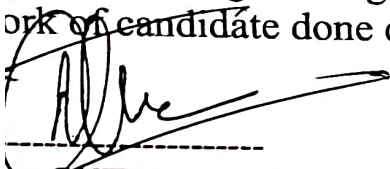
CERTIFICATE

This is to certify that Project synopsis report entitled
“AN EXPERIMENTAL STUDY ON HEAT TRANSFER
CHARACTERISTICS AND MODELING OF
SPIRAL HEAT EXCHANGER”

successfully submitted by following students:

Shivkar Viraj Vilas
Tare Ashish Mahaveer
Yerunkar Shubham Manohar

As per the syllabus and in partial fulfillment for the completion bachelor's degree
Mechanical Engineering from university of Mumbai, it is also certified that this is the original
work of candidate done during the academic year 2022-23




GUIDE

PROF. NEETA GAWADE



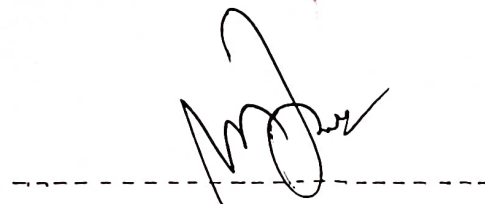
PROJECT CO-ORDINATOR

PROF. SWAPNIL BHOIR

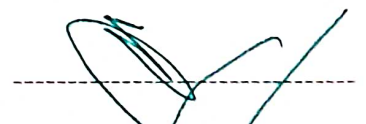


H.O.D.

PROF. MANOJ DONGARE



EXTERNAL EXAMINER



PRINCIPAL

DR. DHARMENDRA DUBEY

A
Project Report
On
**“DESIGN AND FABRICATION OF AUTOMATIC DRAINAGE
CLEANING SYSTEM”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

/Gharat Priyanka Sudhakar

Mhatre Bhavesh Mahesh

Patil Prashant Nardas

Singh Shivam Satyavan

Under the Guidance of

Prof. Neeta Gawade



DEPARTMENT OF MECHANICAL ENGINEERING

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
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DEPARTMENT OF MECHANICAL ENGINEERING

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As per the syllabus and in partial fulfillment for the completion bachelor's degree in Mechanical Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-23.

Prof. Neeta Gawade
Project Guide

Prof. Swapnil Bhoir
Project Coordinator

Prof. Manoj Dongre
Head of Department

External Examiner

Dr. Dharmendra Dubey
Principle

**“AN EXPERIMENTAL STUDY ON HEAT TRANSFER
CHARACTERISTICS AND MODELING OF
SPIRAL HEAT EXCHANGER”**

Submitted in partial fulfillment of the requirement
For the degree of

Bachelors of Engineering

In

Mechanical Engineering

By

Shivkar Viraj Vilas

Tare Ashish Mahaveer

Yerunkar Shubham Manohar

Under the Guidance of

Prof. Neeta Gawade



DEPARTMENT OF MECHANICAL ENGINEERING
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
Affiliated to University of Mumbai
(2022-2023)

A

Project

Report On

**“SUSTAINABLE DESIGN FOR A G+1 HOTEL USING GREEN
BUILDING CONCEPT”**

Submitted in partial fulfillment of the
requirement For the degree of
Bachelor of Engineering in Civil Engineering

By

ANKITA AHIRE

NIRAJ MAKU

PIYUSH GHARAT

UJWAL MARATHE

Under the guidance of
Prof. Abhinav Pankaj
Prof. Pravin Kumar Mandal



DEPARTMENT OF CIVIL ENGINEERING

**St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel
(2022-2023)
University Of Mumbai**

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE
OF TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report entitled **“SUSTAINABLE DESIGN FOR A G+1 HOTEL USING GREEN BUILDING CONCEPT”** successfully completed by following students:

ANKITA AHIRE

NIRAJ MAKU

PIYUSH GHARAT

UJWAL MARATHE

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-2023

Prof. Pravin Kumar Mandal

Prof. Abhinav Pankaj

26/04/23

Examiner Guide

Hod- Prof. Shreyas Pandey

Principal-Dr. Dharmendra Dubey

A
Project Report
On
“PERVIOUS CONCRETE PAVEMENT”
Submitted in partial fulfillment of the requirement
For the degree of
Bachelor of Engineering in Civil Engineering

By
BARSHI MAYUR
MOKAL VINESH
SALI ROHAN
DAREKAR JAYESH
Under the guidance of
Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING
St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology,
Panvel (2022-2023)
University Of Mumbai

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE
OF TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report entitled “**PERVIOUS CONCRETE PAVEMENT**” successfully completed by following students:

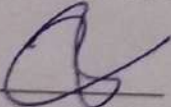
BARSHI MAYUR

MOKAL VINESH


SALI ROHAN

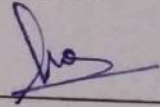
DAREKAR JAYESH

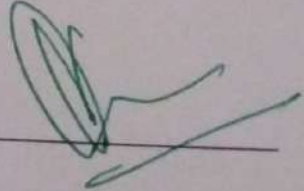
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Prof. Er. Swati More

Guide


Hod- Prof. Shreyas Pande


Examiner


Principal-Dr. Dharmendra Dubey

A
Project Report
On
“BIO-EFFICACY OF COW URINE ON CROP PRODUCTION”

Submitted in partial fulfillment of the requirement for the degree of
Bachelors of Engineering in Civil Engineering

By

**Auti Dipak Vitthal
Kamble Nitin Gautam
Mane Swapnil Devidas
Sawant Tushar Manoj**

Under the Guidance of
Prof. Er. Shreyas Pande



DEPARTMENT OF CIVIL ENGINEERING
St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)
University of Mumbai

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that project report entitled “**Bio-Efficacy of Cow Urine on Crop Production**” successfully completed by following students:

Auti Dipak Vitthal
Kamble Nitin Gautam
Mane Swapnil Devidas
Sawant Tushar Manoj

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from university of Mumbai, it is also certified that this is the original work of candidate done during the academic year 2022-2023

Prof. Shreyas Pande
(Project Guide)

Prof. Shreyas Pande
(HOD)

Examiner

Dr. Dharmendra Dubey
(Principal)

A
Project Report On
**“STABILIZATION OF CLAY SOIL BY USING EGGSHELL
POWDER, COCONUT SHELL POWDER AND LIME”**

Submitted in partial fulfillment of the requirement

For the degree of
BACHELORS OF ENGINEERING IN CIVIL ENGINEERING

By

**Avishkar Ramchandra Berde
Pratik Pratap Mohite
Omkar Harishchandra Shinde
Nikhil Gurunath zagade**

Under the Guidance of
**Prof. Dr. R.P.Singh
Er. Shraddha Kawale**



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel
(2022-2023)
University of Mumbai

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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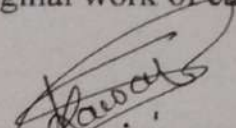
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Prof. Dr.R.P.Singh

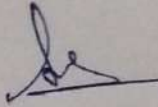
Er. Shraddha Kawale

(Project Guide)




Prof. Shreyas Pande

(HOD)



Examiner



Dr. Dharmendra Dubey

(Principal)

A
Project Report

On

"DESIGN AND CONSTRUCTION OF SHEAR WALLS"

Submitted in partial fulfilment of the requirement

For the degree of

Bachelors of Engineering In Civil Engineering

By

RAMESH GAIKWAD

VAIBHAV PATEL

SHREYAS SHELAR

SANKET PAWAR

Under the Guidance of

Prof. Devendra Garud

Er. Vaishali Parave



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.

(2022-2023)

University Of Mumbai

CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF TECHNOLOGY



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Prof. Devendra Garud
Er. Vaishali Parave
(Project Guide)

Examiner

Prof. Shreyas Pande
(HOD)

Dr. Dharmendra Dubey
(Principal)

A
Project Report
On
**“Analysis & Design of Low-
Cost Precast Concrete
Housing”**

Submitted in partial fulfillment of the requirement for the
degree of

Bachelors of Engineering In Civil Engineering

By

Achrekar Ninad Hemant

Gharjale Rameshwar Dnyanoba

Magdum Prathamesh Bharat

Solanki Rohit Sunil

Under the guidance of

Prof. Abhinav Pankaj

Prof. Pravin Kumar Mandal



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)**

University Of Mumbai

CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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Prof. Abhinav Pankaj
Prof. Pravin Mandal
(Project Guide)

Prof. Shreyas Pande
(HOD)

Examiner

Dr. Dharmendra Dubey
(Principal)

**Structural Health Monitoring and Rehabilitation of Residential Building Using
(NON-DESTRUCTIVE TECHNIQUE)**

Submitted in partial fulfillment of the requirement
For the degree of
Bachelors of Engineering In Civil Engineering

By



Hadi Munaf Palawkar

Shaikh Ahmed Israil

Ansari Liyakat Sagir

Khan Ahmed Abu Hamza

Under the Guidance of

Prof. Pankaj&Pravin Sir

DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)**

University Of Mumbai

CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report entitled “ **Structural Health Monitoring and Rehabilitation of Residential Building Using (NON-DESTRUCTIVE TECHNIQUE)**” successfully completed by following students:

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Prof. Pankaj & Pravin Sir

Guide

Hod- Prof. Shreyas Pande

Examiner

Principal –Dr. Dharmendra Dubey

A
Project Report
On

**“FLOOD MANAGEMENT BY USING SELF
ACTIVATED FLOOD BARRIERS”**

Submitted in partial fulfilment of the requirement
For the degree of

Bachelors of Engineering in Civil Engineering

BY

NAGARE TUSHAR

NIKAM PRASHANT

PATHADE RAVINDRA

AFFAN SIDDIQUI

Under the guidance of

Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

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Prof. Er. Swati More

Guide

Hod- Prof. Shreyas Pande

Examiner

Principal - Dr. Dharmendra Dubey

A
Project Report

On

**“USE OF WASTE MARBLE SAND IN
CONCRETE”**

Submitted in partial fulfilment of the requirement
for the degree of

Bachelor of Engineering in Civil Engineering

By

PATIL OMKAR NILKANTH

PATIL SUYASH VASUDEV

PAUL SAURABH NIRANJAN

PAWAR GAURAV RAMESH

Under the Guidance of

Prof. DEVENDRA GARUD/ Er. VAISHALI PARAVE



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**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)**

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Guide

Prof. Devendra Garud / Er. Vaishali Parave

HOD

Prof. Shreyas Pande

Examiner

Principal

Dr. Dharmendra Dubey

A
Project Report

On

**“Study And Comparison Between Nano
Silica & Fly Ash To Find Better
Strength On Concrete”**

Submitted in partial fulfillment of the requirement
For the degree of

Bachelors of Engineering in Civil Engineering

By

SHAIKH AWESH IRFAN

MOHD UMAR SHAIKH

SAYYED ADIL GHAYAS ALAM

SAYYED SAMEER ALI

Under the Guidance of

Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING

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Prof. Er. Swati More

Guide

Hod- Prof. Shreyas Pandey

Examiner

Principal -Dr. Dharmendra Dubey

A

Project Report On

**“A USE OF GLASS AND GRANITE AS AN AGGREGATE IN
CONCRETE BLOCK FOR SUSTANABLE COSTRUCTION ”**

Submitted in partial fulfillment of the requirement

For the degree of

Bachelors of Engineering In Civil Engineering

By

Waghmare Tushar Bhagwan

Surve Akshay Shivaji

kadam Purvesh Sandeep

Sawant Pranay Ramchandra

Under the Guidance of

Prof. Shreyas Pande



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.

(2021-2022)

University Of Mumbai

**CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF
TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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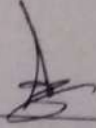
kadam Purvesh Sandeep

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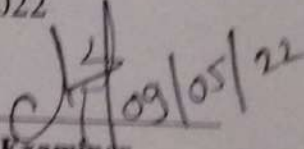


Prof. Shreyas Pande

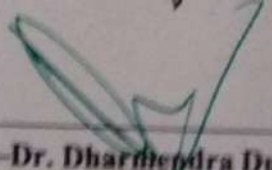
Guide



Hod- Prof. Shreyas Pande



Examiner



Principal -Dr. Dharmendra Dubey

A

Project Report On

**SEISMIC RESPONSE OF MULTIPLE STOREY RCC BUILDING
USING ETABS**

Submitted in partial fulfillment of the requirement for the Degree of

Bachelors of Engineering

By

Shubham Santosh Trimbakkar

Under the Guidance of

Prof. Swati More



DEPARTMENT OF CIVIL ENGINEERING
St. Wilfred's Education Society
Chhatrapati Shivaji Maharaj Institute of Technology
Panvel

(2022-2023)



DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE

This is to certify that project report entitled “SEISMIC RESPONSE OF MULTIPLE STOREY RCC BUILDING USING ETABS” successfully completed by following students:

Shubham Santosh Trimbakkar

A per the syllabus and in partial fulfillment for the completion Bachelor’s Degree in Civil Engineering from University of Mumbai it is also certify that this is the Original work of candidate done during the academic year 2022-2023.

Prof. Swati More

Examiner

HOD – Prof. Shreyas Pandey

Principal – Dr. Dharmendra Dubey

A
Project Report
On
“LIFE CYCLE ENERGY ANALYSIS OF BUILDING”

Submitted in partial fulfillment of the requirement for

The degree of
Bachelor of Engineering

In
Civil Engineering

by

AMIT SANJAY CHAVAN	(Roll no 16)
SUMIT GANPAT JADHAV	(Roll no 41)
DHANAJI SUKHDEV YAMGAR	(Roll no 120)
AKASH PRAKASH BHOIR	(Roll no 12)

Under the Guidance of

PROF DEVENDRA GARUD
PROF. VAISHALI PARAVE



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)
University Of Mumbai

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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DHANAJI SUKHDEV YAMGAR
AKASH PRAKASH BHOIR**

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**Prof Devendra Garud
Prof. Vaishali Parave
(Project Guide)**

Examiner

HOD - Prof. Shreyas Pande

Principal - Dr. Dharmendra Dubey

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report "GREENPRO CERTIFICATION FOR READY MIX CONCRETE" successfully completed by following students:

SAEEM AFFAQ KHALIL MIRKAR

ZIMAD ABDUL BASIT HODEKAR

M.KAIF ANIS SHIRGAONKAR

RUMAN MUBARAK-SOLKAR

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from university of Mumbai, it is also certify that this is the original work of candidate done during the academic year 2022-2023

Prof. Devendra Garud
Er. Vaishali Parave
(Project Guide)

Prof. Shreyas Pande
(HOD)

Examiner

Dr. Dharmendra Dubey
(Principal)

A

Project Report On

“GREENPRO CERTIFICATION FOR READY MIX CONCRETE”

Submitted in partial fulfillment of the requirement

For the degree of

BACHELORS OF ENGINEERING IN CIVIL ENGINEERING

By

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Er.Vaishali Parave



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel

(2022-2023)

University of Mumbai

A
Project Report
On
**“AUTOCLAVED AERATED CONCRETE
BLOCKS”**

Submitted in partial fulfillment of the requirement for
The degree of

Bachelors of Engineering in Civil Engineering

By

METKARI VIVEK ANIL

PATIL RUSHEEKESH NANDKUMAR

PATIL PRATEEK PRASHANT

ALAM MO SADDAM HUSSAIN MOELIYAS

Under the Guidance of

Prof. Shreyas Pande



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel
(2022-2023)**

University Of Mumbai
CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF TECHNOLOGY



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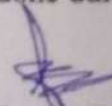
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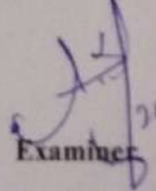
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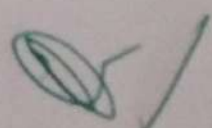
Guide


HOD

Prof. Shreyas Pande


Examiners

26/04/23


Principal

Dr. Dharmendra Dubey

A
Project
Report On

**“STUDY AND ANALYSIS OF STRENGTHENING OF COLUMNS
USING GFRP & CFRP”**

Submitted in partial fulfillment of the
requirement for the degree of

Bachelor of Engineering in Civil Engineering

By

Shoaib Sayyed

Ajay Jaiswal

Areb Deshmukh

Anas kauchali

Under the Guidance of

Prof. Swati More



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

*Chhatrapati Shivaji Maharaj Institute of
Technology, Panvel. (2022-2023)*

University Of Mumbai

**CHHATRAPATI SHIVJI MAHARAJ
INSTITUTE OF TECHNOLOGY**



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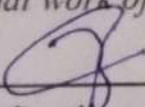
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Prof. Swati more

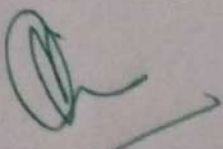
Guide



Hod- Prof. Shreyas Pande



Examiner



Principal -Dr. Dharmendra Dubey

A
Project Report
On

Ground Granulated Blast Furnace Slag (GGBS): A sustainable replacement for Cement in concrete production

Submitted in partial fulfillment of the requirement
For the degree of
Bachelor of Engineering In Civil Engineering
By

NITHIN MATHEW

KUTHE SAURABH BHALCHANDRA

YADAV BHAVESH RAJENDRAKUMAR

KAMBLE APEKSHA ASHOK

Under the Guidance of
Prof ABHINAV PANKAJ / Prof PRAVIN MANDAL



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)
University Of Mumbai**



DEPARTMENT OF CIVIL ENGINEERING

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**Prof Abhinav Pankaj
& Prof Pravin Mandal
Guide**

Hod- Prof. Shreyas Pande

Examiner

Principal –Dr. Dharmendra Dubey

A
Project Report
On

“RAINWATER HARVESTING”

Submitted in partial fulfillment of the requirement
For the degree of
Bachelor of Engineering in Civil Engineering
By

SAHIL GAIKAWAD
KRUNAL PATIL
YOGESH GOVINDWAR
SUSHIL THAKUR

Under the Guidance of
DR.R.P. SING / PROF.SHRADDHA KAWALE



DEPARTMENT OF CIVIL ENGINEERING

DR.R.P SINGH / PROF. SHRADDHA KAWALE

**Chhatrapati Shivaji Maharaj of Technology, Panvel.(2022-
2023)**

University Of Mumbai

CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF
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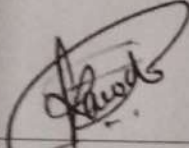
DEPARTMENT OF CIVIL ENGINEERING

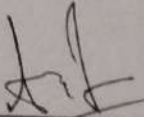
CERTIFICATE


This is to certify that project report On “RAINWATER HARVESTING”
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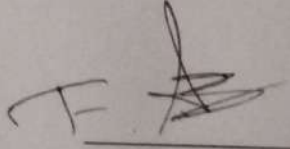
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Dr.R.P. Sing / Prof. Er. Shraddha kawale
Guide


Examiner


Hod- Prof. Shreyas Pande


Principal -Dr. Dharmendra Dubey

A
Project Report
On

**“FLOOD MANAGEMENT BY USING SELF
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Submitted in partial fulfilment of the requirement
For the degree of

Bachelors of Engineering in Civil Engineering

BY

NAGARE TUSHAR

NIKAM PRASHANT

PATHADE RAVINDRA

AFFAN SIDDIQUI

Under the guidance of

Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology,
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Prof. Er. Swati More

Guide

Hod- Prof. Shreyas Pande

Examiner

Principal -Dr. Dharmendra Dubey

A

Project Report

On

“DESIGN OF PARKING LOT IN COLLEGE PREMISES”

**Submitted in partial fulfillment of the requirement for the degree
of**

Bachelors of Engineering in Civil Engineering

By

PARAB NIRAJ CHANDRAKANT

SAWANT PRANAV NARESH

CHAUDHARI SHREYAS NARENDRA

LAKADE CHINMAY SHANKAR

Under the Guidance of

Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

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University Of Mumbai

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Prof. Er. Swati More

Guide

Examiner

Hod –Prof.Shreyas Pande

Principal-Dr.Dharmendra Dubey

A

Project Report On

**“MIXING AND CURING OF CONCRETE USING
SALINE WATER”**

Submitted in partial fulfillment of the requirement For the degree of
Bachelors of Engineering In Civil Engineering

By

Dawkar Tejas

Dherange Sairaj

Ghodke Prajakta

Varekar Ganesh

Under the Guidance of

Prof. Dr. Rp Singh Kushwah

Prof. Shraddha Kawale,



DEPARTMENT OF CIVIL ENGINEERING

**St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel
(2022-2023)**

University Of Mumbai

**CHHATRAPATI SHIVJI MAHARAJ INSTITUTE
OF TECHNOLOGY**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report entitled “**MIXING AND CURING OF CONCRETE USING SALINE WATER**” successfully completed by following students:

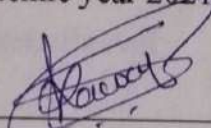
Dawkar Tejas

Dherange Sairaj

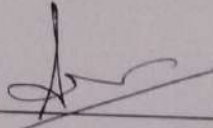
Ghodke Prajakta

Varekar Ganesh


As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from university of Mumbai, it is also certify that this is the original work of candidate done during the academic year 2021-2022



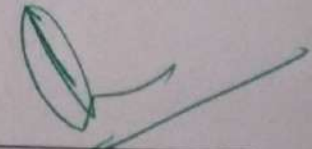
Dr. R p Singh Kushwah
Prof. Shraddha Kawale



External Examiner



Hod- Prof. Shreyas Pande



Principal -Dr. Dharmendra Dubey

A

Project Report

On

"CASE STUDY OF FLAT SLAB"

Submitted in partial fulfillment of the requirement

For the degree of

Bachelor of Engineering in Civil Engineering

By

Mansi Parad

Sourav Waghmare

Swaraj Thakur

Harsh Gaikwad

Under the guidance of

Prof. Devendra Garud

Prof. Vaishali Parave



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

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(2022-2023)

University of Mumbai

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INSTITUTE OF TECHNOLOGY**



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Sourav Waghmare

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Harsh Gaikwad

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**Prof. Devendra Garud
Prof. Vaishali Parave**

Examiner

Hod. Prof. Shreyas Pande

Principal-Dr. Dharmendra Dubey

A

Project Report

On

“A CONCEPTUAL STUDY ON REPLACING BRICK WITH PET BOTTLES”

Submitted in partial fulfillment of the requirement of the University of Mumbai for the

Degree of

**BACHELORS OF ENGINEERING
IN
CIVIL ENGINEERING
MUMBAI UNIVERSITY, MUMBAI
SUBMITTED BY**

**PRATHAMESH BHAGAT
APURV THAKUR
ADITYA RASAL
PRATHAMESH AHIRE**

Under the guidance of

DR.R.P SINGH KUSHWAH / PROF. SHRADDHA KAWALE



DEPARTMENT OF CIVIL ENGINEERING

St. Wilfred's Education society

**CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY, SHEDUNG, PANVEL DISTRICT:RAIGAD-
410206(AFILIATED TO MUMBAI UNIVERSITY)**

ACADEMIC YEAR 2022-2023

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report entitled "A CONCEPTUAL STUDY ON REPLACING BRICK WITH PET BOTTLES" successfully completed by following students:

PRATHAMESH BHAGAT

APURV THAKUR

ADITYA RASAL

PRATHAMESH AHIRE

As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from University of Mumbai, it is also certify that this is the original work of candidate done during the academic year 2022-2023

Dr. R.P. Singh Kushwah / Prof. Shraddha Kawale

Examiner

Hod- Prof. Shreyas Pande

Principal -Dr. Dharmendra Dubey

A
Project Report On
“USE OF WASTE WATER IN CONCRETE”

Submitted in partial fulfillment of the
requirement for the degree of
Bachelors of Engineering In Civil Engineering

By

Prachi Rajendra Vibhandik

Viraj Sanjay Ambre

Avinash Ramakant Gawand

Satyam Shivaji Mishra

Under the Guidance of
Prof. Devendra Garud



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel. (2021-22)

University Of Mumbai

CHHATRAPATI SHIVJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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Prof. Devendra Garud

Guide

Examiner

Hod- Prof. Shreyas Pande

Principal - Dr. Dharmendra Dubey

A
Project Report
On

**“SOIL ERROSION CONTROL ON
HIGHWAYS AND HILL ROADS”**

Submitted in partial fulfilment of the requirement
for the degree of
Bachelors of Engineering in Civil Engineering

By
**Raman Ramdas Jadhav
Rushikesh Sarjerao Kamble
Gaurav Shankar Khade
Deepak Arun Wadile**

Under the guidance of
Prof. Abhinav Pankaj
Prof. Pravin Mandal



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's
Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)
University Of Mumbai

CHHATRAPATISHIVAJIMAHARAJINSTITUTE
OF TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that project report titled
**“SOIL ERROSION CONTROL ON HIGHWAYS AND HILL
ROADS”**

Successfully completed by following students:

RAMAN JADHAV

KAMBLE RUSHIKESH

KHADE GAURAV

WADILE DEEPAK

As per the syllabus an dinpartial fulfillment for the completion bachelor's degree
In Civil Engineering from Mumbai university of Mumbai, it is also certified that this is
the original work of candidate done during the academic year 2022-2023.

Prof. Abhinav Pankaj

Prof. Pravin Mandal

Guide

Hod-Prof. Shreyas Pande

Examiner

Examiner

Principal-Dr. Dharmendra Dubey

A
Project Report On
**“GENERATION OF ELECTRICITY FROM WASTEWATER
USING MFC TECHNOLOGY”**



Submitted in partial fulfillment of the requirement for the
degree of

Bachelors of Engineering In Civil Engineering

By

Khan Qamar Mohd Ilyas

Satish Namdev Chavan

Mohd Sadik Izhar Husain

Kapil Mahajan

Under the Guidance of

Prof. Devendra Garud

Prof. Vaishali Parave

DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

**Chhatrapati Shivaji Maharaj Institute of Technology, Panvel.
(2022-2023)**

University Of Mumbai

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TECHNOLOGY



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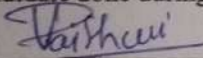
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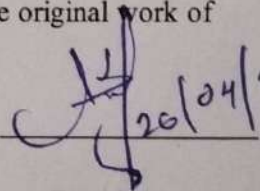


Prof. Devendra Garud


Prof. Vaishali Parave

Guide


Hod- Prof. Shreyas Pande


26/04/23

Examiner


Principal - Dr. Dharmendra Dubey

A
Project Report
On
**“TO STUDY THE PERFORMANCE
OF RECYCLED COARSE
AGGREGATE”**

Submitted in partial fulfillment of the requirement
For the degree of
Bachelors of Engineering in Civil Engineering
By

SHAIKH MOHAMMED AATIF

ANSARI AZMAIN

CHATURE DHANANJAY

SANTOSH BANDGAR

Under the Guidance of

Prof. Er. Swati More



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

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(2022-2023)

University Of Mumbai

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TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

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As per the syllabus and in partial fulfillment for the completion bachelor's degree in Civil Engineering from university of Mumbai, it is also certify that this is the original work of candidate done during the academic year 2022-2023

Prof. Er. Swati More

Guide

Hod- Prof. Shreyas Pandey

Examiner

Principal -Dr. Dharmendra Dubey

A
Project Report
On
“Earthquake Resisting R.C.C Structure”
Submitted in partial fulfillment of the requirement
For the degree of
Bachelors of Engineering in Civil Engineering

By

SUSHIL KHAMBAL

PIYUSH KHEDEKAR

ASHOK SAWANT

ABHISHEK VHATKAR

Under the Guidance of

Prof. Dr. R.P.SINGH KUSHWAH / Er. SHRADDHA KAWALE



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

Chhatrapati Shivaji Maharaj Institute of Technology, Panvel

(2022-2023)

University Of Mumbai

CHHATRAPATI SHIVAJI MAHARAJ INSTITUTE OF
TECHNOLOGY



DEPARTMENT OF CIVIL ENGINEERING

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Prof. Dr R.P.Singh Kushwah

Er.Shraddha Kawale

Guide

Hod- Prof. Shreyas Pande

Examiner

Principal -Dr. Dharmendra Dubey

A
Project Report
On

“ULTRA HIGH PERFORMANCE CONCRETE”

Submitted in partial fulfilment of the requirement
For the degree of
Bachelor of Engineering In Civil Engineering

By

TANMESH SANJAY DAPSE

HARSHADA YASHAVANT DONGARE

SHRUTI SANDIP GOLIPKAR

MAYUR GAJANAN WAIDANDE

Under the Guidance of
Prof. SHREYAS PANDE



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Prof. Shreyas Pande

Guide

Hod- Prof. Shreyas Pande

Examiner

**Principal –Dr. Dharmendra
Dubey**

A
Project Report
On

**“A CASE STUDY OF SHETPAL
CANAL CLOSED CONDUIT SYSTEM”**

Submitted in partial fulfilment of the requirement For the degree of
Bachelors of Engineering In Civil Engineering

By

DHENE PRATHAMESH SURESH

JUWALE SIDDHESH SANTOSH

THAKUR MEGHARAJ CHANDRAKANT

DHULE ATISH DILIPRAO

Under the Guidance of
Prof. SHREYAS PANDE



DEPARTMENT OF CIVIL ENGINEERING

St Wilfred's Education Society's

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Prof. Shreyas Pande

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Dubey

Examiner

Principal -Dr. Dharmendra