

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,  
LONERE, DIST. RAIGAD, MAHARASHTRA INDIA.**



A Project Stage-II Report  
On

**“An Experimental Study on Replacement of Coarse Aggregate  
by Recycled Polypropylene Plastic for Standard Grade  
Concrete”**

Submitted by

**Mr. MORE PRAMOD VITTHALRAO**  
[20211220181221210002]

Under the Guidance of

**Prof. V. B. Chavan**  
Assistant Professor  
Dept. of Civil Engineering,

In partial fulfillment for the award of

**MASTER OF TECHNOLOGY**  
(Structural- Engineering)



DEPARTMENT OF CIVIL ENGINEERING  
**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**AURANGABAD**  
Maharashtra State, India  
(2022-2023)



Shreeyash Pratishthan's  
**SHREEYASH COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

(Approved by AICTE - New Delhi, Recognized by Govt. of  
Maharashtra, Affiliated to Dr. Babasaheb Ambedkar Technological  
University, Lonere Dist Raigad) (M.S.)

***CERTIFICATE***

This is to certify that the project report entitled **“An Experimental Study on Replacement of Coarse Aggregate by Recycled Polypropylene Plastic for Standard Grade Concrete”** which is being submitted to **Dr. Babasaheb Ambedkar Technological University Lonere Dist Raigad, Maharashtra State**, in partial fulfillment of the requirements for the award of **“Master of Engineering”** in **‘Civil Structure’**. This is the result of the original work and contribution by **Mr. More Pramod Vitthalrao** bearing PRN 20211220181221210002 under my supervision and guidance.

The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

Place: Aurangabad

Date:

**Prof. V. B. Chavan**  
**Guide**  
Department of Civil  
Engineering

**Prof. V. B. Chavan**  
**PG-Coordinator, HOD**  
Department of Civil  
Engineering

**Dr. B.M. Patil**

**Principal**  
Shreeyash College of Engineering and Technology,  
Aurangabad.



**Dr. Babasaheb Ambedkar Technological University Lonere,  
Dist-Raigad, Maharashtra, India**

A  
Dissertation Report  
On

**“COMPARISON OF WITH ‘BASE ISOLATION AND WITHOUT  
BASE ISOLATION BUILDING FOR G+15 HIGH RISE  
STRUCTURES”.**

**Submitted in the Fulfilment of the Requirement for  
M-Tech (Structure)  
Submitted by**

**RATHOD MONI NARAYAN  
(PRN: 20211220181221210007)**

**Under the Guidance of  
PROF. A. B Vawhale**



**Department of civil engineering  
Shreeyash College of Engineering and Technology, Aurangabad,  
Maharashtra, India**

**2022-23**

## CERTIFICATE

This is to certify that the dissertation entitled “**BASE ISOLATION SYATEM G+15 HIGH RISE BUILDING BY USING ETABS FOR VARIOUS ZONE.**” which is being submitted here with for the award of the ‘M-Tech in Civil Structure’ of Dr. Babasaheb Ambedkar Technological University, Lonere. This is the contribution by RATHOD MONI NARAYAN (PRN: **20211220181221210007**) under my supervision and guidance. The work embodied in this dissertation has not formed earlier for the basis of the award of any degree or compatible certificate o similar title of this for any other diploma/examining body or university to the best of knowledge and belief.



**Prof. A. B Vawhale**

**Guide**

Department Of Civil Engineering,  
Shreeyash College of Engineering  
And Technology, Aurangabad



**Prof. V.B.CHAVAN**

**P.G. Coordinator**

Department Of Civil Engineering,  
Shreeyash College of Engineering  
and Technology, Aurangabad



**Prof. V.B.CHAVAN**

**H.O.D**

Department Of Civil Engineering  
Shreeyash College of Engineering  
And Technology, Aurangabad



Dr. B. M. Patil

**Principal**

Department Of Civil Engineering  
Shreeyash College of Engineering  
And Technology, Aurangabad

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,  
LONERE, DIST. RAIGAD, MAHARASHTRA INDIA.**



Project Stage-II Report

On

**“Experimental Study on Strength of Concrete by Using GGBS  
and Alccofine as a Partial Replacement of Cement”**

Submitted by

**Mr. KOLEKAR GANESH PANDURANG  
[PRN NO: 2021122212007]**

Under the Guidance of

**Prof. G.H. DAKE**  
Assistant Professor  
Dept. of Civil Engineering,

In partial fulfillment for the award of

**MASTER OF TECHNOLOGY  
(Civil-Structure)**



**DEPARTMENT OF CIVIL ENGINEERING**

**SHREYASH COLLEGE OF ENGINEERING AND TECHNOLOGY  
AURANGABAD**

Maharashtra state, India

**(2022-2023)**



Shreeyash Pratishthan's  
**SHREEYASH COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

(Approved by AICTE - New Delhi, Recognized by Govt. of  
Maharashtra, Affiliated to Dr. Babasaheb Ambedkar  
Technological University, Lonere Dist Raigad) (M.S.)


***CERTIFICATE***

This is to certify that the project report entitled “**Experimental Study on Strength of Concrete by Using GGBS and Alccofine as a Partial Replacement of cement**” which is being submitted to **Dr. Babasaheb Ambedkar Technological University Lonere Dist Raigad, Maharashtra State**, in partial fulfillment of the requirements for the award of “**Master of Engineering**” in ‘**Civil Structure**’. This is the result of the original work and contribution by **Mr. Kolekar Ganesh Pandurang** bearing PRN No. 2021122212007 under my supervision and guidance.

The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

Place: Aurangabad

Date:




**Prof. G. H. Dake**  
**Guide**

Department of Civil Engineering



**Prof. V. B. Chavan**  
**PG-Coordinator, HOD**  
Department of Civil Engineering



**Dr. B. M. Patil**

**Principal**

Shreeyash College of Engineering and Technology,  
Aurangabad.

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,  
LONERE, DIST. RAIGAD, MAHARASHTRA INDIA.**



Project Stage-II Report

On

**“An Structural Analysis and Design of Flyover Bridge” (A  
Comparative Study on I type Girder and Box Type Girder)**

Submitted by

**Mr. RAJU RAMRAO KULKARNI**  
[20211220171221210004]

Under the Guidance of

**Prof. A. B. VAWHALE**  
Assistant Professor  
Dept. of Civil Engineering,

In partial fulfillment for the award of

**MASTER OF TECHNOLOGY**  
(Civil-Structure)



DEPARTMENT OF CIVIL ENGINEERING

**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY  
AURANGABAD**

Maharashtra state, India  
(2022-2023)



Shreeyash Pratishthan's  
**SHREEYASH COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

(Approved by AICTE - New Delhi, Recognized by Govt. of  
Maharashtra, Affiliated to Dr. Babasaheb Ambedkar Technological  
University, Lonere Dist Raigad) (M.S.)

***CERTIFICATE***

This is to certify that the project report entitled “An Structural Analysis and Design of Flyover Bridge” (A Comparative Study on I type Girder and Box Type Girder)” which is being submitted to Dr. Babasaheb Ambedkar Technological University Lonere Dist Raigad, Maharashtra State, in partial fulfillment of the requirements for the award of “Master of Technology” in ‘Civil Structure’. This is the result of the original work and contribution by Mr. RAJU RAMRAO KULKARNI bearing PRN No. 20211220171221210004 under my supervision and guidance.

The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

Place: Aurangabad

Date: 21-04-2023

**Prof. A. B. Vawhale**  
**Guide**  
Department of Civil  
Engineering

**Prof. V. B. Chavan**  
**PG-Coordinator, HOD**  
Department of Civil  
Engineering

**Dr. B. M. Patil**

**Principal**

Shreeyash College of Engineering and Technology,  
Aurangabad.



**Dr. Babasaheb Ambedkar Technological University  
Lonere, District- Raigad, Maharashtra, India**



Project Stage-II Report  
On

**“Influence of Liquid Paraffin Wax as an Internal Curing Agent for  
Concrete Mix”**

Submitted By  
**MR. GHULE ABHIJEET BABURAO**  
(PRN NO: 2021122212001)

Under the Guidance of

**Prof. A.B.Vawhale**

Assistant Professor  
Dept. of Civil Engineering,

In partial fulfillment for the award of

**MASTER OF TECHNOLOGY**  
(Civil-Structure)



**Department of Civil Engineering,  
Shreyash College of Engineering and Technology.**

Maharashtra state, India  
(2022-2023)

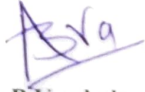
## CERTIFICATE

This is to certify that the project report entitled "**Influence of Liquid Paraffin Wax As an internal Curing Agent for concrete mix**" which is being submitted to **Dr. Babasaheb Ambedkar Technological University Lonere Dist Raigad, Maharashtra State**, in partial fulfillment of the requirements for the award of "**Master of Technology**" in '**Civil Structure**'. This is the result of the original work and contribution by **Mr. Abhijeet Baburao Ghule** bearing Seat No. PRN NO: **2021122212001** under my supervision and guidance.


The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

Place: Aurangabad.


Date: 21/04/2023



**Prof. A. B. Vawhale**  
**Guide**  
Department of Civil  
Engineering



**Prof. V. B. Chavan**  
**PG-Coordinator, HOD**  
Department of Civil  
Engineering



**Dr. B. M. Patil**  
**Principal**  
Shreyash College of Engineering and Technology  
(Aurangabad).

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,  
LONERE, DIST. RAIGAD, MAHARASHTRA INDIA.**



Project Stage-II Report

On

**“Assessing the Impact of Strong Wind Loads on High-Rise  
Buildings in Proximity to the Seashore”**

Submitted by

**MISS YAMINI NARAYAN DESHVENA**  
[2021122212019]

Under the Guidance of

**Prof. A. B. VAWHALE**  
Assistant Professor  
Dept. of Civil Engineering,

In partial fulfillment for the award of

**MASTER OF TECHNOLOGY**  
(Civil-Structure)



DEPARTMENT OF CIVIL ENGINEERING

**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY  
AURANGABAD**

Maharashtra state, India  
(2022-2023)



Shreeyash Pratishthan's  
**SHREEYASH COLLEGE OF ENGINEERING AND  
TECHNOLOGY**

(Approved by AICTE - New Delhi, Recognized by Govt. of  
Maharashtra, Affiliated to Dr. Babasaheb Ambedkar Technological  
University, Lonere Dist Raigad) (M.S.)

***CERTIFICATE***

This is to certify that the project report entitled "**Assessing the Impact of Strong Wind Loads on High-Rise Buildings in Proximity to the Seashore**" which is being submitted to **Dr. Babasaheb Ambedkar Technological University Lonere Dist Raigad, Maharashtra State**, in partial fulfillment of the requirements for the award of "**Master of Technology**" in '**Civil Structure**'. This is the result of the original work and contribution by **Ms. YAMINI NARAYAN DESHVENA** bearing PRN No. 2021122212019 under my supervision and guidance.

The work embodied in this report has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma / examining body or university to the best of knowledge and belief.

Place: Aurangabad

Date: 21-04-2023

**Prof. A. B. Vawhale**  
**Guide**  
Department of Civil  
Engineering

**Prof. V. B. Chavan**  
**PG-Coordinator, HOD**  
Department of Civil  
Engineering

**Dr. B. M. Patil**  
**Principal**  
Shreeyash College of Engineering and Technology,  
Aurangabad.