

**ANALYSIS AND DESIGN OF A BUILDING IN
DIFFERENT TYPES OF SOILS**

Project report Submitted.

in the partial fulfilment of the requirements for

the award of the degree of

Bachelor of Engineering

in

Civil Engineering

By

M. Avin Vardhan (1602-19-732-004)

A. Chandrakar Reddy (1602-19-732-007)

P. Sai Prateek (1602-19-732-037)

M. Sai Teja (1602-19-732-038)

Under the guidance of

DR. S. VIJAYA KUMAR

D.SUBBARAO (External Guide)



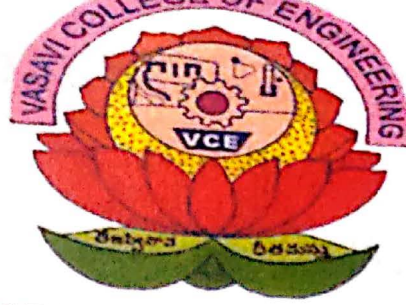
DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING,

(AUTONOMOUS)

IBRAHIMBAGH, HYDERABAD – 500031

MAY 2023



**DEPARTMENT OF CIVIL ENGINEERING VASAVI
COLLEGE OF ENGINEERING (AUTONOMOUS)**

HYDERABAD

CERTIFICATE

This is to certify that the project work entitled “*Design and Analysis of a Building in different types of Soils*” is being submitted by Mr. M Avin Vardhan(1602-19-732-004), Mr..A.Chandrakar (1602-19-732-007), P Sai Prateek (1602-19-732-037), and Mr. M Sai Teja (1602-19-732-038) in partial fulfillment of the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad-500031 is a record of bonafide work carried out by them under our guidance and supervision during the academic year 2022-2023.


16-5-23

DR.S. VIJAYA KUMAR

(Project Advisor)


D. Subbarao

(External Guide)




13/5/23

DR.B. SRIDHAR

(Head of the department

Department of civil engineering)

INFLUENCE OF FIBERS ON BOND STRENGTH OF CONCRETE

Project report Submitted

*in the partial fulfillment of the requirements for
the award of the degree of*

Bachelor of Engineering

in

Civil Engineering

By

K.Maneesha

1602-19-732-020

B.Niveditha Reddy

1602-19-732-027

Ch.Pavani

1602-19-732-029

Under the guidance of
Dr.S.Vijaya Kumar
Professor



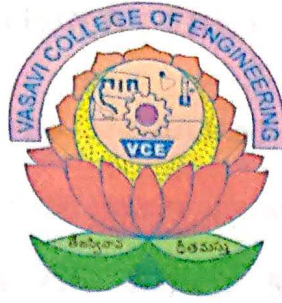
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VASAVI COLLEGE OF ENGINEERING.

(Affiliated to Osmania University)

IBRAHIMBAGH, HYDERABAD – 500 031

2019-2023



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
HYDERABAD

CERTIFICATE

This is to certify that the Project work entitled Influence of fibers on bond strength of fibrous reinforced concrete is being submitted by **K.MANEESHA (1602-19-732-020)**, **B.NIVEDITHA(1602-19-732-027)**,**CH.PAVANI(1602-19-732-029)** in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad is a record of Bonafide work carried out by him / her under our guidance.

Dr.B.Sridhar
Head of the Department
Dept. of Civil Engineering

Dr.S.Vijay Kumar
Project Guide
Dept. of Civil Engineering

**Evaluation of Barriers for Adoption of Green Buildings in
India using Factor Analysis and Analytic Hierarchy
Process (AHP) Tools**

Project report submitted

In the partial fulfilment of the requirements for

The award of the degree of

Bachelor of Engineering

In

Civil Engineering

By

Md. Hyderuddin (1602-19-732-021)

B. Runith (1602-19-732-035)

N. Vineeth (1602-19-732-061)

Under the guidance of

Dr. K. Jayasree



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
(AFFILIATED TO OSMANIA UNIVERSITY)
IBRAHIMBAGH, HYDERABAD – 500031**

MAY 2023



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Final Year Major Project work entitled Evaluation of Barriers for the Adoption of Green Buildings in India using Factor Analysis and Analytical Hierarchy Process(AHP) Tools is being submitted by Md. Hyderuddin [1602- 19-732-021], B. Runith [1602-19-732-035], N. Vineeth [1602-19-732-061] done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by them under our guidance


Dr. K. Jayasree

Project Guide – Associate Professor
Dept. of Civil Engineering


19/5/23

Dr. B. Sridhar
Professor & Head
Dept. of Civil Engineering

**Study and Utilisation of Municipal Solid Waste Incineration
Bottom Ash in Flexible Pavement**

Project report submitted

In the partial fulfilment of the requirements for

The award of the degree of

Bachelor of Engineering

In

Civil Engineering

By

C. Sachit (1602-19-732-009)

Nikil Reddy (1602-19-732-024)

S. Sai Teja Reddy (1602-19-732-040)

Under the guidance of

Dr. Thalanki Srinivas

&

Mrs. Dhatri



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING,
(AUTONOMOUS)**




**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD**

CERTIFICATE


This is to certify that the Final Year Major Project work entitled **Study and Utilisation of Municipal Solid Waste Incineration Bottom Ash in Flexible Pavement** is being submitted by **C. Sachit [1602-19-732-009], Nikil Reddy [1602-19-732-024], S. Sai Teja Reddy [1602-19-732-040]** done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by them under our guidance.


Dr. Thalanki Srinivas

**Project Guide – Associate Professor
Dept. of Civil Engineering**


Mrs. Dhatri

**Project Co-guide – Assistant Professor
Dept. of Civil Engineering**


Dr. B. Sridhar

**Professor & Head
Dept. of Civil Engineering**

**Behavior of Fiber-Reinforced and Cement-Stabilized Clayey Soil
in Triaxial Tests**

Project Report submitted

*In the partial fulfillment of the
requirements for the award of the degree*

of

BACHELOR OF ENGINEERING

in

Civil Engineering

By

Pasula Manasa Reddy (1602-19-732-019)

Mohammed Sheeba (1602-19-732-022)

Madamsetty Santha Raju (1602-19-732-043)

Under the guidance of

G.SRINIVAS (Associate professor)



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING,
(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD-500 031
MAY 2023**



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD
CERTIFICATE

This is to certify that the project work entitled “**Behavior of Fiber-Reinforced and Cement-Stabilized Clayey Soil in Triaxial Tests**” is being submitted by P.Manasa Reddy, Mohammed Sheeba, Santha Raju in partial fulfillment for the award of Bachelor of Engineering in Civil engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad, 500031 is a record of bonafide work carried out by them under our guidance.


G.SRINIVAS

Project Guide

Dept. of Civil Engineering


Dr.B.SRIDHAR

Head of the Department

Dept. of Civil Engineering

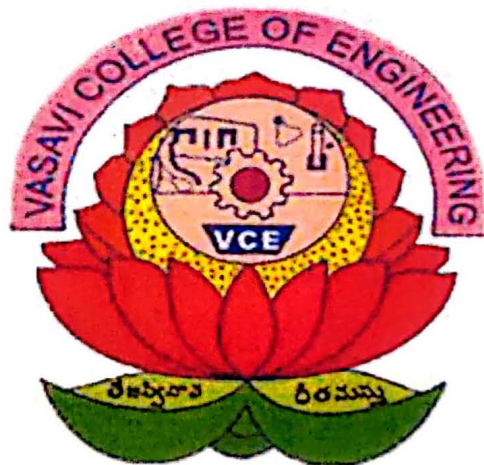
SPATIO TEMPORAL HOTSPOT ANALYSIS OF ROAD ACCIDENTS IN HYDERABAD USING ARCGIS

Project report Submitted
in the partial fulfilment of the requirements for the
award of the degree of
Bachelor of Engineering
In
Civil Engineering
By

| | |
|-----------------|-----------------|
| O. NEELIMA | 1602-19-732-060 |
| K. SHARMISTA | 1602-19-732-046 |
| B. SOWMYA REDDY | 1602-19-732-055 |

Under the guidance of

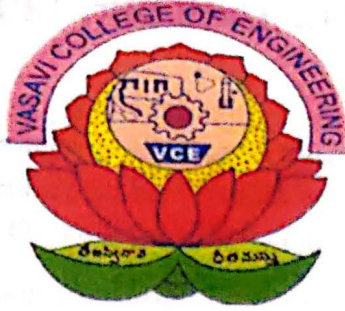
P. Dhatri mam (Assistant Professor)
Dr. K. Jayasree (Assistant Professor)



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (Autonomous)

(Affiliated to Osmania University)

Ibrahim Bagh, Hyderabad-500031



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS) HYDERABAD

CERTIFICATE

This is to certify that the Major Project work entitled "SPATIO TEMPORAL HOTSPOT ANALYSIS OF ROAD ACCIDENTS IN HYDERABAD USING ARCGIS" is being submitted by Ms. O. Neelima (1602-19-732-060), Ms. Sharmista(1602-19-732-046), Ms. B. Sowmya Reddy(1602-19-732-055), in partial full filling for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under my guidance and supervision during academic year 2022-2023.

Dr. K. Jayasree

Dr. P. Dhatri

Project Guide
Dept. of Civil Engineering
Engineering

Dr. B. SRIDHAR
Head of the Department
Dept. of Civil

Project report on
**EXPERIMENTAL STUDIES ON ULTRA FINE FLYASH USING STEEL FIBERS
REINFORCED CONCRETE**

*Project report Submitted
in the partial fulfilment of the
requirements for the award of
the degree of*

**Bachelor of Engineering
in
Civil Engineering**

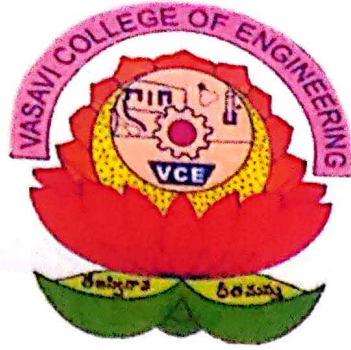
| | |
|-----------------|------------------|
| 1602-19-732-025 | G. NITHISH KUMAR |
| 1602-19-732-030 | G. PRAVEEN |
| 1602-19-732-031 | J. RAVALI |
| 1602-19-732-032 | D. REVANTH |

Under the guidance of
Dr M.V.S.S. Sastri
Associate Professor



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (Autonomous)
(Affiliated to Osmania University)
IBRAHIMBAGH, HYDERABAD-500031**

MAY 2023



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(A), HYDERABAD**

CERTIFICATE

This is to certify that the Major Project work entitled **EXPERIMENTAL STUDIES ON ULTRA FINE FLYASH USING STEEL FIBERS REINFORCED CONCRETE** which is being submitted by (1602-19-732-025) **G. NITHISH KUMAR**, (1602-19-732-030) **G. PRAVEEN**, (1602-19-732-031) **J. RAVALI** and (1602-19-732-032) **D. REVANTH** in partial full filling for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500031 is a record of Bonafede work carried out by him/her under my guidance.

M.V.S.S. Sastri
7/8/2022

B.Sridhar
18/1/20

| | | |
|--|--|---|
| Project Guide | | Dr B.Sridhar |
| Dr M.V.S.S. Sastri Associate Professor | | Professor and Head Department of Civil Engineering |

**Road Failure Detection using Machine Learning and
Prediction of Pavement Condition Index using Artificial
Neural Network Approach**

*Project Report Submitted
in partial fulfilment of the
Requirements for the award of the Degree of*

Bachelor of Engineering

in

Civil Engineering

By

K. Rohini Mithra (1602-19-732-034)

V. Sampath Kumar (1602-19-732-042)

Sheikh Ziyad Nazir (1602-19-732-048)

Under the guidance of

Dr. K. Jayasree (M. Tech, Ph. D)

Assistant Professor



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING,

(Autonomous)

IBRAHIMBAGH, HYDERABAD – 500031

MAY 2023



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work “Road Failure Detection using Machine Learning and Prediction of Pavement Condition Index using Artificial Neural Network Approach” is being submitted by K. Rohini Mithra (1602-19-732-034), V. Sampath Kumar (1602-19-732-042), Sheikh Ziyad Nazir (1602-19-732-048) in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad -500031 is a record of bonafide work carried out by him / her under our guidance.

Dr K. Jayashree

Project Guide

Dept. of Civil Engineering

Dr B. Sridhar

Professor & Head

Dept. of Civil Engineering

Project report on
**BEHAVIOUR OF CLAY WITH LIME STABILIZATION AND
BIOFIBRE REINFORCEMENT**

Project report Submitted
*in the partial fulfilment of the requirements for the
award of the degree of*
Bachelor of Engineering

in
Civil Engineering

By

| | |
|------------------|-----------------|
| I. BHARGAVA TEJ | 1602-19-732-006 |
| D. JYOTSNA REDDY | 1602-19-732-016 |
| D. MAHENDER | 1602-19-732-017 |
| B. SRIKAR | 1602-19-732-057 |

Under the Guidance of

G.SRINIVAS

(Associate Professor)



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VASAVI COLLEGE OF ENGINEERING (Autonomous)

(Affiliated to Osmania University)

Ibrahim Bagh, Hyderabad-500031

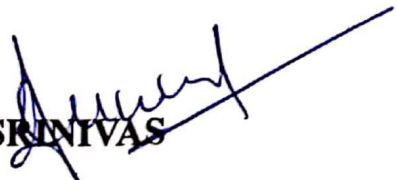
MAY 2023




DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Major Project work entitled “**BEHAVIOUR OF CLAY WITH LIME STABILIZATION AND BIOFIBRE REINFORCEMENT**“ is being submitted by **Mr. I. Bhargava tej (1602-19-732-006) Ms. D. Jyotsna Reddy (1602-19-732-016), Mr. D. Mahender (1602-19-732-017), Mr. B. Srikar (1602-19-732-057)** in partial full filling for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under my guidance and supervision during academic year 2022-2023.


G. SRINIVAS
Project Guide
Dept. of Civil Engineering


Dr. B. SRIVIDHAR
Head of the Department
Dept. of Civil Engineering

i
Project report on

**EXPERIMENTAL STUDY ON GEO-POLYMER CONCRETE WITH PARTIAL REPLACEMENT OF
NATURAL AGGREGATES USING RECYCLED AGGREGATES**

Project report Submitted

*in the partial fulfillment of the requirements for
the award of the degree of*

Bachelor of Engineering

in

Civil Engineering

1602-19-732-018

MANASA PANTHAGANI

1602-19-732-028

S. PALLAVI CHARITHA

1602-19-732-304

PASUPULA ROHITH

Under the guidance of

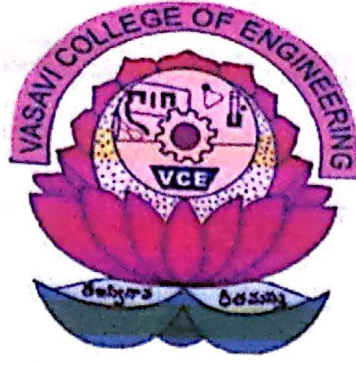
Dr M.V.S.S. Sastri

Associate Professor

JUNE 2023



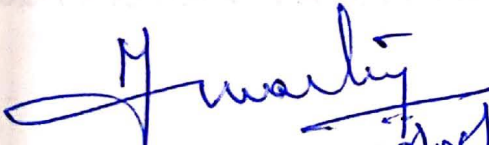
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VASAVI COLLEGE OF ENGINEERING
(Autonomous, Affiliated to Osmania University)**



**DEPARTMENT OF CIVIL ENGINEERING VASAVI
COLLEGE OF ENGINEERING HYDERABAD**

CERTIFICATE

is is to certify that the Major Project work entitled EXPERIMENTAL STUDY ON GEO-POLYMER CONCRETE WITH PARTIAL REPLACEMENT OF NATURAL AGGREGATES USING RECYCLED AGGREGATES which is being submitted by (1602-19-732-018) MANASA PANTHAGANI, (1602-19-732-018) S. PALLAVI CHARITHA and (1602-19-732-304) PASUPULA ROHITH in partial fulfilling for the award Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Acharya Nagaraj Reddy Bagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under my guidance.


Project Guide: 18/05/2023

Dr M.V.S.S. Sastri
Associate Professor,
Department of Civil Engineering.



Dr. B. Sridhar
Head of the Department,
Department of Civil Engineering.

A MAJOR PROJECT REPORT ON
IMPACT OF ANTHROPOGENIC ACTIVITIES ON GROUNDWATER

SUBMITTED BY

| | |
|-----------------|-----------------|
| T. BHANU PRASAD | 1602-19-732-005 |
| MUSHARRAF SHAIK | 1602-19-732-045 |
| ADLA SHASHANK | 1602-19-732-047 |

UNDER THE GUIDANCE OF

Ms. Krati Sharma

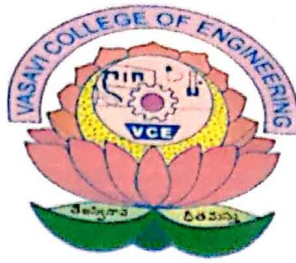
Assistant Professor



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (autonomous)

(Affiliated to Osmania University)

Ibrahim Bagh, Hyderabad-500031



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

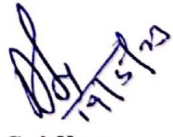
CERTIFICATE

This is to certify that the Major Project work entitled IMPACTS OF ANTHROPOGENIC ACTIVITIES ON GROUNDWATER is being submitted by T. BHANU PRASAD (1602-19-732-005), SHAIK MUSHAROF (1602-19-732-045), A. SHASHANK (1602-19-732-047) done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


Ms. Krati Sharma

Project Guide

Dept. of Civil Engineering


Dr. B. Sridhar

Professor & Head

Dept. of Civil Engineering

EXPERIMENTAL INVESTIGATION ON RECYCLED AGGREGATES USING PP FIBER

Project report Submitted

in the partial fulfillment of the requirements for

the award of the degree of

Bachelor of Engineering
in
Civil Engineering

By

S Devender reddy (1602-19-732-011)

B Greeshma (1602-19-732-012)

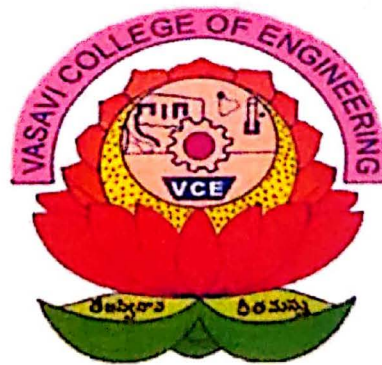
K Harsha (1602-19-732-014)

Under the guidance of

Dr.M.V.RAMA RAO

&

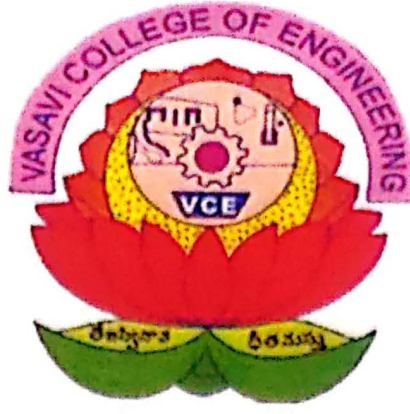
Dr.M.V.S.S. SASTRI



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING,
(AUTONOMOUS)**

IBRAHIMBAGH, HYDERABAD – 500031

MAY 2023



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD**

CERTIFICATE

This is to certify that the project work entitled "*Experimental Investigation on Recycled Aggregates using PP Fiber*" is being submitted by Mr S.Devender reddy (1602-19-732-011), Ms B.Greeshma (1602-19-732-012), Mr K.Harsha(1602-19-732-014) in partial fulfillment of the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad-500031 is a record of bonafide work carried out by them under our guidance and supervision during academic year 2022-2023.

Dr.M.V.RAMA RAO

(Project Guide)

**Dept. of Civil
Engineering**

Dr.M.V.S.S.SASTRI

(Project Guide)

**Dept. of Civil
Engineering**

Dr.B.SRIDHAR

Head of the Department

**Dept. of Civil
Engineering**

**Prediction of Compressive Strength of
Triple Blended Fiber Reinforced Self Compacting Concrete
Using Artificial NeuralNetwork**

*Project report submitted
in the partial fulfilment of the requirements for
the award of the degree of*

Bachelor of Engineering

in

Civil Engineering

By

K ANVESH (1602-19-732-003)

M CHARAN RAJ (1602-19-732-008)

SAI KIRAN N (1602-19-732-036)

Under the guidance of

Dr. C. MOHAN LAL

ASSOCIATE PROFESSOR



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-500 031
MAY-2023**



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the project work entitled “ **PREDICTION OF COMPRESSIVE STRENGTH OF TRIPLE BLENDED FIBER REINFORCED SELF COMPACTING CONCRETE USING ARTIFICIAL NEURAL NETWORK**” is being submitted by **K ANVESH, M CHARAN RAJ, SAI KIRAN N** in partial fulfillment for the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him/her under our guidance during the academic year **2022-2023**.

Dr. C. Mohan Lal

Project Guide

Dept. of Civil Engineering

Dr. B. Sridhar

Head of the department
Dept. of Civil Engineering

**ENHANCEMENT OF BEARING CAPACITY FOR DENSE
SAND USING GEOCELL MATTRESS MADE OF WASTE
PET BOTTLES**

*Project report Submitted
in the partial fulfilment of the requirements for
the award of the degree of*

Bachelor of Engineering

in

Civil Engineering

J. SRIVANI (1602-19-732-058)

S. SREELEKHA (1602-19-732-301)

M. SUSHMA (1602-19-732-306)

Under the guidance of

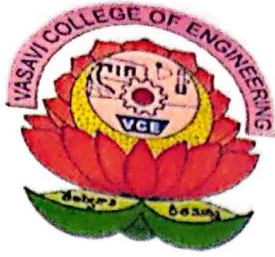
Mr. S KESAV KUMAR ARNEPALLI

(Assistant Professor)

MAY 2023



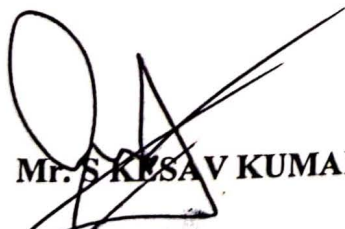
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VASAVI COLLEGE OF ENGINEERING
(Autonomous, Affiliated to Osmania University)
IBRAHIMBAGH, HYDERABAD-500031**




**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
HYDERABAD**

CERTIFICATE

This is to certify that the project work entitled "ENHANCEMENT OF BEARING CAPACITY FOR DENSE SAND USING GEOCELL MATTRESS MADE OF WASTE PET BOTTLES" is being submitted by Ms. J.SRIVANI (1602-19-732-058), Ms. S. SREELEKHA (1602-19-732-301), Ms. M.SUSHMA (1602-19-732-306), in partial fulfilment of the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad-500031 is a record of bonafide work carried out by them under our guidance and supervision during academic year 2022-2023.


Mr. S. KESAV KUMAR ARNEPALLI
(Assistant Professor)

Dept.of civil Engineering


Dr. B. SRIDHAR
Head of the Department
Dept. of civil Engineering

**Splitting Tensile Strength of Fiber Reinforced Self
Compacting Concrete**

Project report submitted

in the partial fulfilment of the requirements for

the award of the degree of

Bachelor of Engineering

in

Civil Engineering

By

IFTIKHAR ALI (1602-19-732-015)

SHIVA CHATANIYA (1602-19-732-050)

KRANTHI CHARAN (1602-19-732-307)

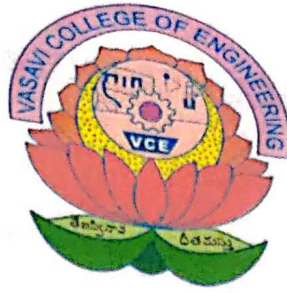
Under the guidance of

Dr. C. MOHAN LAL

ASSOCIATE PROFESSOR




**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-500 031
MAY-2023**




**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD**

CERTIFICATE

This is to certify that the project work entitled “**SPLITTING TENSILE STRENGTH OF FIBER REINFORCED SELF COMPACTING CONCRETE**” is being submitted by **IFTIKHAR ALI, KRANTHI CHARAN, SHIVA CHATANIYA** in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


Dr. C. Mohan Lal
Project Guide
Dept. of Civil Engineering.


Dr. B. Sridhar
Head of the department
Dept. of Civil Engineering.

**ENHANCEMENT OF BEARING CAPACITY FOR DENSE
SAND USING GEOCELL MATTRESS MADE OF WASTE
PET BOTTLES**

*Project report Submitted
in the partial fulfilment of the requirements for
the award of the degree of*

**Bachelor of Engineering
in
Civil Engineering**

By

**B. AASHRITH REDDY (1602-19-732-001)
M.SAI TEJA (1602-19-732-039)
V.PAVAN (1602-19-732-062)**

Under the guidance of
Mr. J.CHAITANYA
(Assistant Professor)

MAY 2023



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
(Autonomous, Affiliated to Osmania University)
IBRAHIMBAGH, HYDERABAD-500031**



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING
HYDERABAD**

CERTIFICATE

This is to certify that the project work entitled “**ENHANCEMENT OF BEARING CAPACITY FOR DENSE SAND USING GEOCELL MATTRESS MADE OF WASTE PET BOTTLES**” is being submitted by **B.AASHRITH REDDY(1602-19-732-001), M.SAI TEJA (1602-19-732-039), V.PAVAN (1602-19-732-062)**, in partial fulfilment of the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad-500031 is a record of bonafide work carried out by them under our guidance and supervision during academic year **2022-2023**.

Mr. J. Chaitanya,

(Assistant Professor)

Dept.of civil Engineering

Dr. B. SRIDHAR

Head of the Department

Dept. of civil Engineering

**ALKALI ACTIVATED BINDERS:
A SUSTAINABLE ALTERNATIVE TO
TRADITIONAL CEMENTITIOUS MATERIALS**

Project report Submitted

in the partial fulfillment of the requirements for

the award of the degree of

Bachelor of Engineering

in

Civil Engineering

By

K. Satwik (1602-19-732-044)

A . Shesha Sai Goud (1602-19-732-049)

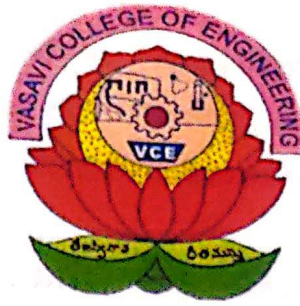
J.Sohith Kumar (1602-19-732-053)

Under the guidance of

Dr .B .Sridhar



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING,
(AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD – 500031
MAY 2023**



**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD**

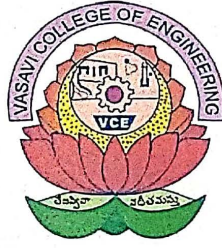
CERTIFICATE

This is to certify that the project work entitled "*Alkali Activated binders-A Sustainable Alternative to Traditional Cementitious Materials*" is being submitted by **K.Satwik(1602-19-732-044)**, **A.Shesha Sai Goud (1602-19-732-049)**, and **J. Sohith Kumar (1602- 19-732-053)**, in partial fulfilment of the award of the degree of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad-500031 is a record of bonafide work carried out by them under our guidance and supervision during academic year **2022- 2023**.

Dr.B.SRIDHAR
(Project Guide)
Dept. of Civil
Engineering

Dr.M.V.S.S.SASTRI
(Project Co-ordinator)
Dept. of Civil
Engineering

Dr.B.SRIDHAR
Head of theDepartment
Dept. of Civil
Engineering



DEPARTMENT OF CIVIL

ENGINEERING

VASAVI COLLEGE OF

ENGINEERING HYDERABAD

CERTIFICATE

This is to certify that the project work entitled **Evaluate the efficiency of the Sewage treatment plant at Vasavi college of Engineering** is being submitted by Sai Anirudh (1602-20-732-023) and Sai Suhas Reddy (1602-20-732-024) in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031, is a record of bonafide work carried out by him/her under our guidance.

Ms. Krati Sharma
Project Guide (Internal)
Dept. of Civil Engineering
Vasavi College of Engineering
Hyderabad

Dr. B. Sridhar
Head of the Department,
Dept. of Civil Engineering
Vasavi College of Engineering
Hyderabad



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled Efficiency of sewage treatment plant in Vasavi college of engineering is being submitted by CHALLA ADARSH done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, 'Hyderabad 500031 is a record of bonafide work carried out by him / her under our guidance.

Mrs. Krathi Sharma

Project Guide

Dept. of Civil Engineering

Dr. B.Sridhar

Professor & Head

Dept. of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD


CERTIFICATE

This is to certify that the project work entitled "STUDY OF COMPACTION CHARACTERISTICS OF FLY ASH STABILIZED CLAY" is being submitted by CHANDRAHAS REDDY VEDIRE, TUSHAR NAGI REDDY ,VAMSHI K done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year 2022-2023.

G.Srinivas

Project Guide

Department of Civil Engineering


Dr.B.Sridhar

Head of the Department

Department of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled "FEASIBILITY ANALYSIS OF THE SKYWALK AT MEHDIPATNAM" is being submitted by V SIDDHARATHA, P SWATHI, M SRIMANASA done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.

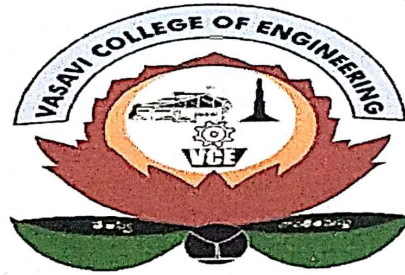
Dr. B. SRIDHAR
Project Guide
Dept. of Civil Engineering

Dr. B. SRIDHAR
Professor & Head Dept. of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD



CERTIFICATE

This is to certify that the Theme Based Project work entitled *Composite material concrete mix Design* is being submitted by Sri / Ms. *A. Akhilar, N. Anish, G. Preet*.... done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.

S. Gayab
(Name of the guide) 16-5-23

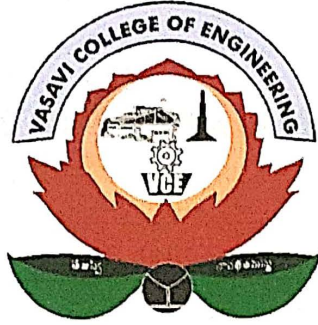
Project Guide

[Signature]
16/5/23

Dr. B.Sridhar

Professor

Head of Department



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled Impact Of Solid Waste On Soils is being submitted by Ch Kamal Reddy [1602-20-732-011], B.Rajendra[1602-20-732-021], Sada V.Akhil[1602-20-732-047] done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500031 is a record of bonafide work carried out by them under our guidance.

Mr.J.Chaitanya

Project Guide – Assistant Professor
Dept. of Civil Engineering


Dr. B. Sridhar

Professor & Head
Dept. of Civil Engineering

**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD**

CERTIFICATE

This is to certify that the project work entitled "DESIGN OF BEAMS AND SLABS USING EXCEL" is being submitted by S. DEEPAK RAO ,LASYA SRI ,SUMANTH M done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year 2022-2023.



Dr. C. Mohan Lal

Project Guide

Dept. of Civil Engineering



Dr. B.Sridhar

Professor & Head

Dept. of Civil Engineering

CERTIFICATION

This is to certify that the The Based Project work entitled "BEHAVIOUR OF CLAY WITH LIME STABILIZATION" is being submitted by Abhinaya(1602-20-732-002), Sanjay (1602-20-732-027), Swabhav(1602-20-732-042) done in Civil Engineering Department, Vasavi College of Engineering, Ibrahimbagh ,Hyderabad 500031 is a record of bonafide work carried out by them under our guidance.


Mr. G. Srinivas

Project Guide

Dept.of_CivilEngineering


Dr. B. Sridhar

professor & Head

Dept.of_CivilEngineering

DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the project work entitled "LOCATION ANALYSIS OF BUS STOPS NEAR INTERSECTIONS" is being submitted by S Mahesh, A Manoj Kumar, G Sathya Bhavan done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year 2022-2023.

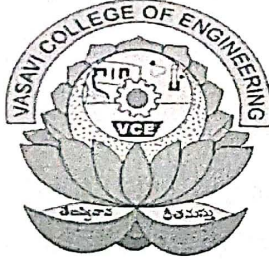


Mrs.P.Dhatri
Project Guide
Dept. of Civil Engineering.



Dr. B. Sridhar
Head of the department
Dept. of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD




CERTIFICATE

This is to certify that the project work entitled “DEVELOPING AN APPLICATION FOR CALCULATING REQUIRED PARAMETERS- SSCC” is being submitted by Batch 9 done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year 2022-2023.


Dr. M.V.Rama Rao

Project Guide

Dept. of Civil Engineering.


Dr. B. Sridhar

Head of the department
Dept. of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD



CERTIFICATE

This is to certify that the Theme Based Project work entitled Hot spot analysis of road accidents is being submitted by Sri / Ms GUJJULA RAM PRASAD ,UPPU SAMYUKTH, GATTU SAVERI done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh , Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.

Dr. K. Jayasree

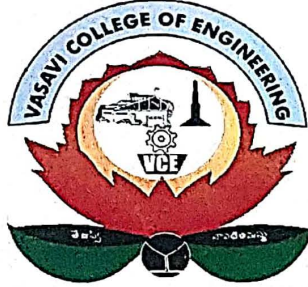
Project Guide

Dept. of Civil Engineering

Dr. B. Sridhar

Professor & Head

Dept. of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD**

CERTIFICATE

This is to certify that the Theme Based Project work entitled “**Analysis of Pavement Failures**” is being submitted by M. Sriviharika (1602-20-732-039), A. Vinay (1602-20-732-051), Shravan (1602-20-732-056) in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad-500031, is a record of bonafide work carried out by him/ her under our guidance.

Dr. B. Sridhar
Head of the Department
Dept. of Civil Engineering
Vasavi College of Engineering

Dr. K. Jayasree
Project Guide (Internal)
Dept. of Civil Engineering
Vasavi College of Engineering

**DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF
ENGINEERING(AUTONOMOUS)
HYDERABAD**

CERTIFICATE

This is to certify that the theme based project work entitled “**FLEXURAL TORSIONAL BUCKLING OF BEAMS**” is being submitted by **TARUN KUMAR(1602-20-732-044)**, **S.K.AMEEN(1602-20-732-309)**, **K.YESHWANTH(1602-20-732-310)** done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year **2022-2023**.



G.RAGHAVENDRA

Associate professor

Project guide

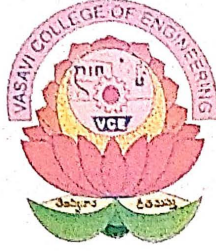
Dept. of civil engineering



Dr.B.Sridhar

Head of department

Dept. of civil engineering




DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled **Water Quality Assessment On Nekkampur Lake** is being submitted by Sri / Ms Neha sultana, Triveni, Sindhuja (Batch 13) done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


Ms. KRATI SHARMA

Project Guide
Dept. of Civil Engineering.


Dr. B. SRIDHAR
Head of the department
Dept. of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD


CERTIFICATE

This is to certify that the Theme Based Project work entitled Improvement of bearing capacity of soil by using natural geotextile is being submitted by **DELIGHT SALLA, V. JYOTHIRMAI, M. PAVAN KALYAN** done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


Mr. S. Kesav Kumar Arnepalli

Project Guide

Dept. of Civil Engineering


Dr. B. Sridhar

Professor & Head

Dept. of Civil Engineering




DEPARTMENT OF CIVIL ENGINEERING

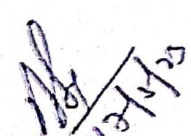
VASAVI COLLEGE OF ENGINEERING

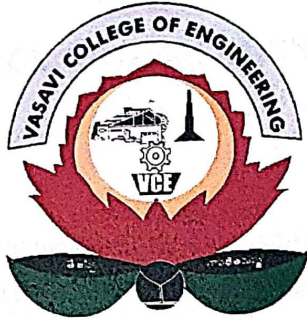
HYDERABAD

CERTIFICATE

This is to certify that the project work entitled **Comparing ground water quality in industrial and residential area** is being submitted by SHIVA SAI (1602-20-732-034), MADHU (1602-20-732-306) and NARENDRA (1602-20-732-017) in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031, is a record of bonafide work carried out by him/ her under our guidance.


MS. KRATISHARMA
Project Guide (Internal)
Dept. of Civil Engineering
Vasavi College of Engineering
Hyderabad


Dr. B. Sridhar
Head of the Department
Dept. of Civil Engineering
Vasavi College of Engineering



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

CERTIFICATE

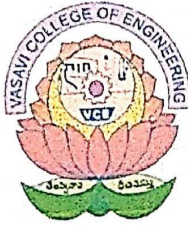
This is to certify that the Theme Based Project work entitled **Study using Bottom Ash(MSWI) in base layers of flexible pavement** is being submitted by **J. Krishna Priya [1602-20-732-012], M. Madhumohan Reddy [1602-20-732-014], L. Siddhartha Reddy [1602-20-732-035]** done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500031 is a record of bonafide work carried out by them under our guidance.

Mrs. P. Dhatri

Project Guide – Associate Professor
Dept. of Civil Engineering

Dr. B. Sridhar

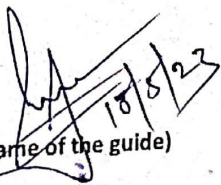
Professor & Head
Dept. of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD


CERTIFICATE

This is to certify that the Theme Based Project work entitled *Digital image analysis for determination of size and shape* ..Parameters of sand grains is being submitted by Sri / Ms.....*Sai teja, Haisha, Sirisha*..... done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


(Name of the guide)
Mr. S Kesav Kumar

Project Guide

Dept. of Civil Engineering

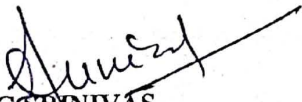

Professor & Head

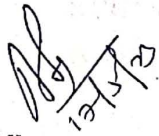
Dept. of Civil Engineering

DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the project work entitled "STABILIZATION OF CLAY WITH CEMENT" is being submitted by **A.BHAVANI , S.PRASAD , B.SARITHA** done in Civil Engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad 500031 is a record of Bonafide work carried out by him/her under our guidance during the academic year 2022-2023.


Mr. GSRINIVAS
Project Guide
Dept. of Civil Engineering.


Dr. B. Sridhar
Head of the department
Dept. of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled **“CASE STUDY FOR THE RO PLANTS INSTALLED AT VCE CAMPUS”** is being submitted by PRASHANTH REDDY, SAI SHREYA, MAMATHA done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of bonafide work carried out by him / her under our guidance.


Dr. S. Vijaya Kumar 16.05.2023

Project Guide

Dept. of Civil Engineering


Dr. B. Sridhar 16/5/23

Professor & Head

Dept. of Civil Engineering

The certificate signed by the Project Guide should be in the following format.



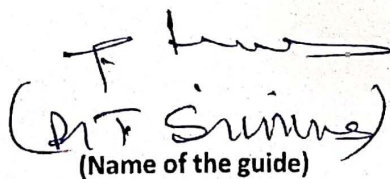
DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

CERTIFICATE

This is to certify that the Theme Based Project work entitled "DESIGN OF CONCRETE MIX USING ACCELERATED CURING METHOD" is being submitted by B. SAAYE SHIVAANIE, T.VIKRAM SINGH, B.VISHALA REDDY done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by him/her under our guidance.


(Name of the guide)

Project Guide

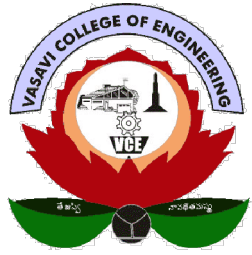
Dept. of Civil Engineering



Dr B.Sridhar

Professor & Head

Dept. of Civil Engineering




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

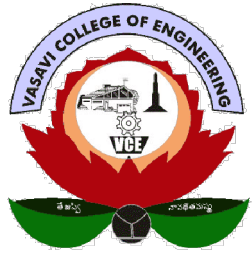
IBRAHIMBAGH, HYDERABAD - 500 031

www.vce.ac.in

CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. SINGARI. SRIVARDHAN bearing Roll no. 1602-20-732-038 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


Dr. B.Sridhar
H.O.D (Civil)




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

IBRAHIMBAGH, HYDERABAD - 500 031

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. GANNE. ANANYA bearing Roll no. 1602-21-732-004 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


Dr. B.Sridhar
H.O.D (Civil)




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

IBRAHIMBAGH, HYDERABAD - 500 031

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. INDRANIL. BADALWAR bearing Roll no. 1602-21-732-007 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


Dr. B.Sridhar
H.O.D (Civil)




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

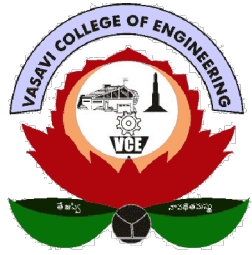
IBRAHIMBAGH, HYDERABAD - 500 031

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. KETHAVATH. BADHU bearing Roll no. 1602-21-732-008 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


Dr. B.Sridhar
H.O.D (Civil)




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

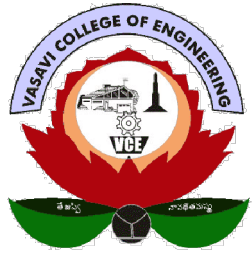
IBRAHIMBAGH, HYDERABAD - 500 031

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. GADDAMEEDHI. BHARATH KUMAR bearing Roll no. 1602-21-732-009 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to **19.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


Dr. B.Sridhar
H.O.D (Civil)




**VASAVI COLLEGE OF ENGINEERING(A)
DEPARTMENT OF CIVIL ENGINEERING**

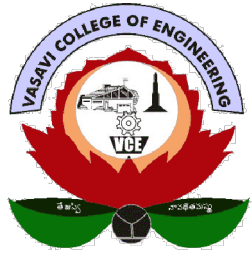
IBRAHIMBAGH, HYDERABAD - 500 031

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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. MALOTH. BHARATH bearing Roll no. 1602-21-732-010 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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This is to certify that Mr/Ms. CHINMAYI. NALAJALA bearing Roll no. 1602-21-732-011 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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This is to certify that Mr/Ms. M. DEEKSHITHA VARDHINI bearing Roll no. 1602-21-732-013 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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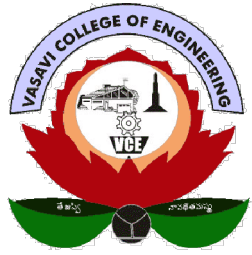
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This is to certify that Mr/Ms. ALAM. DHARANI bearing Roll no. 1602-21-732-014 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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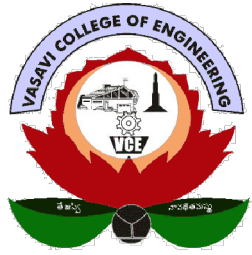
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This is to certify that Mr/Ms. DIMPLE. CHOWDARY bearing Roll no. 1602-21-732-015 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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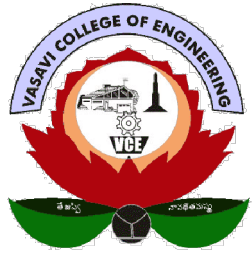
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This is to certify that Mr/Ms. GOVIND. KARVA bearing Roll no. 1602-21-732-016 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. DHARAMSOTH. INDU bearing Roll no. 1602-21-732-017 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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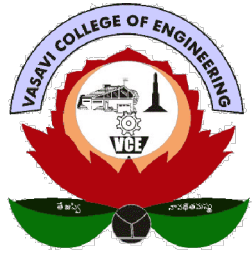
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This is to certify that Mr/Ms. ANGOTH. JAGADEESH bearing Roll no. 1602-21-732-018 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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This is to certify that Mr/Ms. A. KALYAN NAIK bearing Roll no. 1602-21-732-019 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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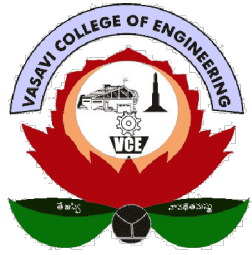
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This is to certify that Mr/Ms. RAPAKA. KEERTHANA JASMIN bearing Roll no. 1602-21-732-020 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to **19.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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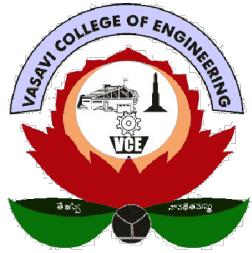
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. PERKA. KIRAN KUMAR bearing Roll no. 1602-21-732-021 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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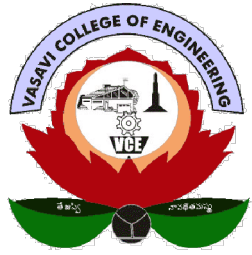
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This is to certify that Mr/Ms. AITHA. KOUSHIK bearing Roll no. 1602-21-732-022 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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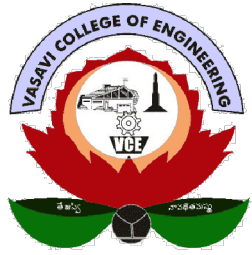
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This is to certify that Mr/Ms. LAMIYA. TABASSUM bearing Roll no. 1602-21-732-023 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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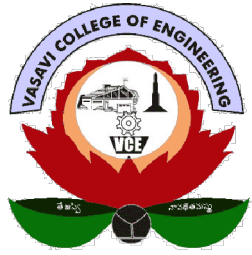
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This is to certify that Mr/Ms. NARALA. SAI HARSHITH REDDY bearing Roll no. 1602-21-732-025 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to **19.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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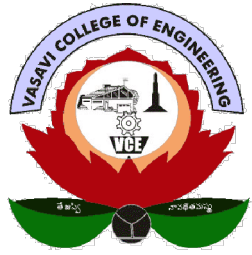
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This is to certify that Mr/Ms. S. T NIHAL bearing Roll no. 1602-21-732-026 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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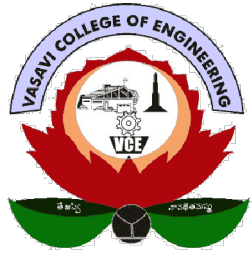
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This is to certify that Mr/Ms. KOTTE. NISHANTH bearing Roll no. 1602-21-732-027 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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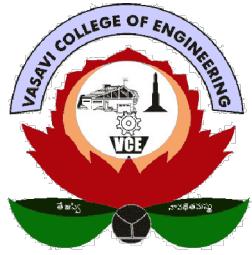
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This is to certify that Mr/Ms. DHANAVATH. PHANI KUMAR bearing Roll no. 1602-21-732-028 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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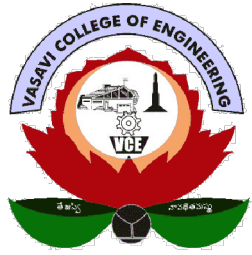
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. KASIVOJJULA. PRASANNA bearing Roll no. 1602-21-732-029 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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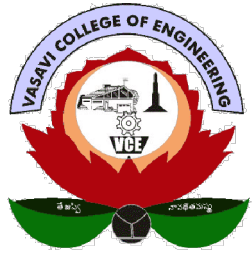
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This is to certify that Mr/Ms. M. RAJASHEKAR bearing Roll no. 1602-21-732-032 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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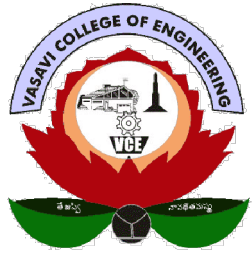
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This is to certify that Mr/Ms. PABBOJU. SAI KRISHNA bearing Roll no. 1602-21-732-035 has successfully completed the assigned work on collecting data from the field in Surveying camp from 14.08.2023 to 19.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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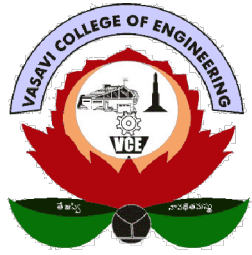
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This is to certify that Mr/Ms. SIDDAM. SAI SAKETH bearing Roll no. 1602-21-732-037 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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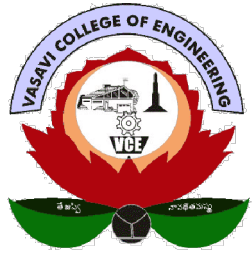
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This is to certify that Mr/Ms. JIMUDA. SHIRISHA bearing Roll no. 1602-21-732-042 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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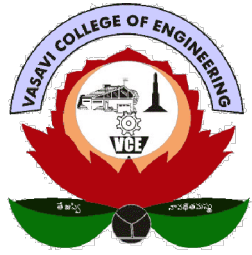
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. DOOSA. SIDDHARTH bearing Roll no. 1602-21-732-046 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. RAMAVATH. SINDHU bearing Roll no. 1602-21-732-047 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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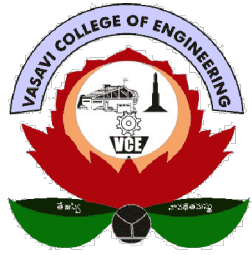
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This is to certify that Mr/Ms. SRIGADHI. SNEHALI bearing Roll no. 1602-21-732-048 has successfully completed the assigned work on collecting data from the field in Surveying camp from **14.08.2023 to 19.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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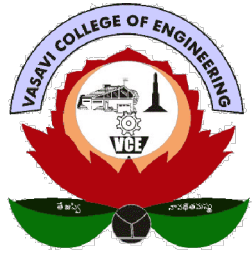
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This is to certify that Mr/Ms. AKKALA. SONIYA REDDY bearing Roll no. 1602-21-732-049 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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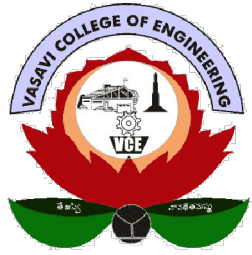
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This is to certify that Mr/Ms. GUNTI. SRAVANTHI bearing Roll no. 1602-21-732-050 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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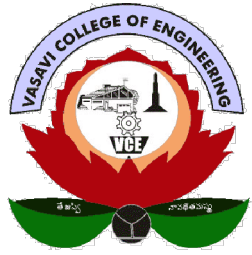
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This is to certify that Mr/Ms. MARRI. SREEJA bearing Roll no. 1602-21-732-051 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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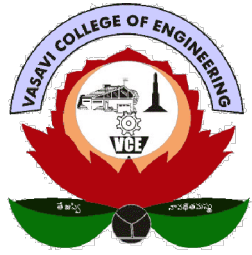
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This is to certify that Mr/Ms. P. SUJATHA bearing Roll no. 1602-21-732-052 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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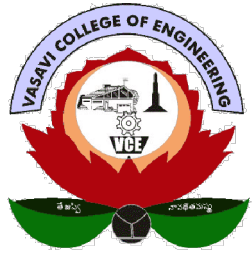
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This is to certify that Mr/Ms. BANAVATH. SUVARNA bearing Roll no. 1602-21-732-053 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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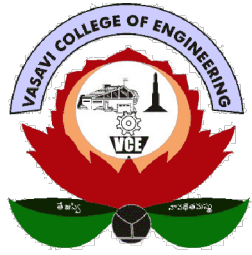
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This is to certify that Mr/Ms. YERRAM. SWAPNA RANI bearing Roll no. 1602-21-732-054 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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This is to certify that Mr/Ms. YERUVA. TEJA RISHITH REDDY bearing Roll no. 1602-21-732-055 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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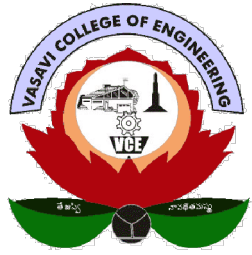
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This is to certify that Mr/Ms. TUNVI. REDDY DASARI bearing Roll no. 1602-21-732-057 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. MADUPU. VEDA SRI bearing Roll no. 1602-21-732-058 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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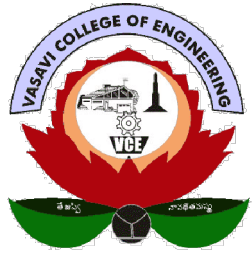
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. BANOTHU. VIJAY bearing Roll no. 1602-21-732-059 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. SHAIK. ZAID bearing Roll no. 1602-21-732-301 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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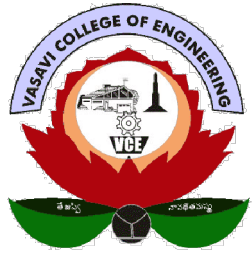
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. NALLA. ABHITHA bearing Roll no. 1602-21-732-302 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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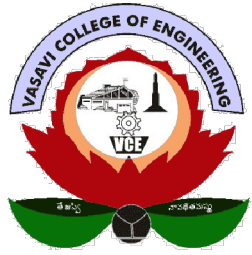
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. ANKAM. SINDHUJA bearing Roll no. 1602-21-732-303 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. ESLAVATH. UDAY KIRAN bearing Roll no. 1602-21-732-304 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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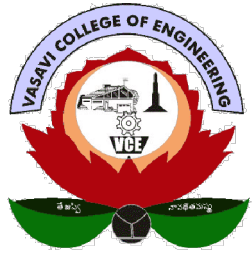
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. K. SAILAXMI bearing Roll no. 1602-21-732-305 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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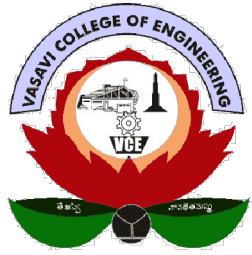
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. ABDUL. JUNAID bearing Roll no. 1602-21-732-306 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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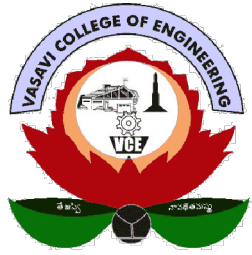
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. MADAGANI. NAGA HARSHITHA bearing Roll no. 1602-21-732-307 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. DOOSA. SADHGUNA bearing Roll no. 1602-21-732-308 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to **26.08.2023** during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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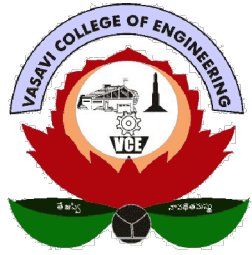
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. VAKITI. SHIVA bearing Roll no. 1602-21-732-309 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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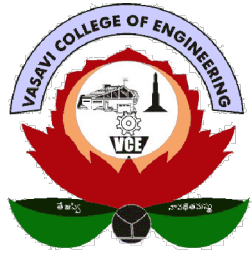
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. KOWTHARAPU. ARAVIND KUMAR bearing Roll no. 1602-21-732-005 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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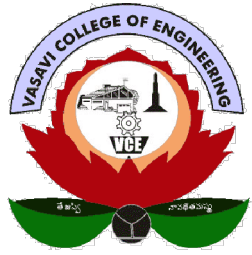
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. ULLENGALA. DEEKSHITH bearing Roll no. 1602-21-732-012 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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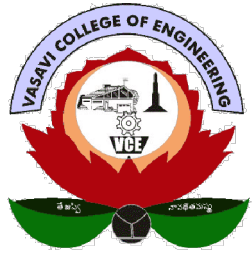
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. SARIKONDA. MANOHAR SAI KUAMAR RAJU bearing Roll no. 1602-21-732-024 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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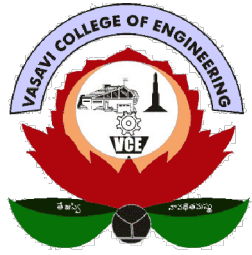
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. LINGAMPALLY. SAI NIKITHA bearing Roll no. 1602-21-732-036 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. THIPPAREDDY. SAIKRISHNA REDDY bearing Roll no. 1602-21-732-039 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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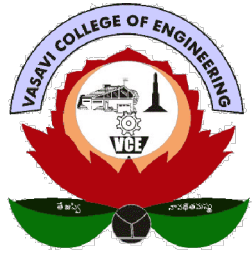
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. KURVA. SANDEEP bearing Roll no. 1602-21-732-040 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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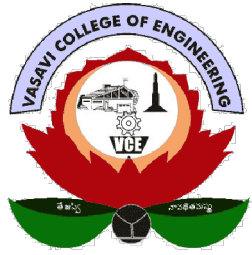
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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. PULLA. SHIVA PRATHIK bearing Roll no. 1602-21-732-044 has successfully completed the assigned work on collecting data from the field in Surveying camp from 21.08.2023 to 26.08.2023 during academic year 2022-23 organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad


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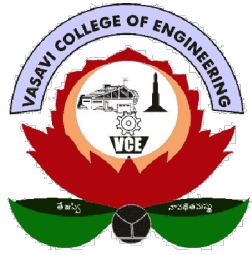
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This is to certify that Mr/Ms. SIDDANTH. GUNDA bearing Roll no. 1602-21-732-045 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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CERTIFICATE OF COMPLETION

This is to certify that Mr/Ms. M. THIRUMALESH bearing Roll no. 1602-21-732-056 has successfully completed the assigned work on collecting data from the field in Surveying camp from **21.08.2023 to 26.08.2023 during academic year **2022-23** organised by Department of Civil Engineering, Vasavi college of Engineering, Hyderabad**


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