

**ANALYSIS AND DESIGN OF REINFORCE CONCRETE  
T-BEAM GIRDER ROAD BRIDGE**

*Project report submitted*

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

**Bachelor of Engineering**

In

**Civil Engineering**

By

**SURE MAHESH (1602-20-732-015)**

**ASAMWAR MANOJ KUMAR (1602-20-732-016)**

**GUNDLA SATHYA BHAVAN KUMAR(1602-20-732-029)**

Under the guidance of

**Mr.G.Raghavendra**

Associate Professor



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)  
(AFFILIATED TO OSMANIA UNIVERSITY)  
IBRAHIMBAGH, HYDERABAD-500 031**

**MAY 2024**



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

**HYDERABAD**

**CERTIFICATE**

This is to certify that the Project work entitled “ANALYSIS AND DESIGN OF REINFORCED CONCRETE T-BEAM GIRDER ROAD BRIDGE” is being submitted by Sri / Ms. Sure Mahesh (1602-20-732-015), Asamwar Manoj Kumar (1602-20-732-016), Gundla Sathya Bhavan Kumar(1602-20-732-029), in partial fulfillment for the award of Bachelor of Engineering 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.

**G. Raghavendra**

**Project Guide**

**Dept. of Civil Engineering**

**Dr . B. Sridhar**

**Head of the Department**

**Dept. of Civil Engineering**



**PLANNING, DESIGN AND COST ANALYSIS FOR RESIDENTIAL  
VILLA**

*Project report submitted*

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

**Bachelor of Engineering**

**In**

**Civil Engineering**

**By**

**M. HARSHA (1602-20-732-010)**

**G. NARENDRA (1602-20-732-017)**

**A. SANJAY (1602-20-732-027)**

**Under the guidance of**

**Dr.M.V.Rama Rao**

**Professor**



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(AFFILIATED TO OSMANIA UNIVERSITY)  
IBRAHIMBAGH, HYDERABAD-500 031**

**MAY 2024**



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

**CERTIFICATE**

This is to certify that this project report entitled "**PLANNING, DESIGN AND COST ANALYSIS FOR RESIDENTIAL VILLA**" by **M.Harsha(1602-20-732-010), G. Narendra(1602-20-732-017), A. Sanjay (1602-20-732-027)**, submitted in partial fulfillment of the requirements for the degree of Bachelor of Engineering in civil Engineering of the Vasavi College of Engineering, Hyderabad, during the academic year 2023-24, is a Bonafide record of work carried out under my guidance and supervision.

Internal Guide

DR.M.V.Rama rao

Professor, Dept of CIVIL,

Vasavi College of Engineering, Hyd.

Professor & HOD, Dept. of CIVIL

Dr. B. Sridhar

Professor &HOD, Dept. of CIVIL

Vasavi College of Engineering,



**HIGH PERFORMANCE CONCRETE MODIFIED WITH  
ULTRAFINE FLY ASH AND RECYCLE D AGGREGATES**

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

**Bachelor of Engineering**

in

**Civil Engineering**

By

**SUMANTH.M (1602-20-732-041)**

**PEDDI JESHWANTH (1602-20-732-301)**

**KANDARAPU MADHU (1602-20-732-303)**

Under the guidance of

**Dr. M.V.S.S. SASTRI**

**ASSOCIATE PROFESSOR**



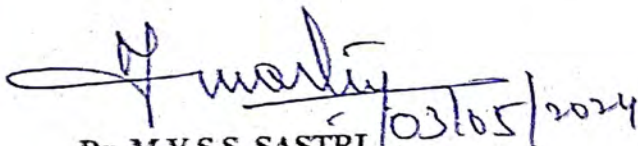
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)  
IBRAHIMBAGH, HYDERABAD-500 031  
MAY-2024**

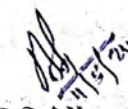


DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)  
HYDERABAD

CERTIFICATE

This is to certify that the project work entitled "HIGH PERFORMANCE CONCRETE MODIFIED WITH ULTRAFINE FLY ASH AND RECYCLED AGGREGATE" is being submitted by SUMANTH.M, P.JESHWANTH, K.MADHU 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 during the academic year 2023-2024.

  
Dr. M.V.S.S. SASTRI  
Project Guide  
Dept. of Civil Engineering

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



A PROJECT REPORT ON  
**PREDICTION OF COMPRESSIVE STRENGTH OF CONCRETE  
WITH CERAMIC WASTE POWDER AND BLAST FURNACE SLAG  
USING ARTIFICIAL NEURAL NETWORKS**

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

Bachelor of Engineering

in

Civil Engineering

By

**CHANDRAHAS REDDY VEDIRE (1602-20-732-008)**

**LASYA SRI GOSHIKONDA (1602-20-732-013)**

**SAI ANIRUDH ADEPU (1602-20-732-023)**

Under the guidance of

**DR.C.MOHAN LAL**

**ASSOCIATE PROFESSOR**



**DEPARTMENT OF CIVIL ENGINEERING**

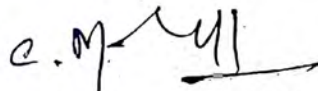
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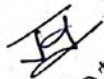
Ibrahim Bagh, Hyderabad

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

This is to certify that the Major Project work entitled “Prediction of Compressive Strength of Concrete with Ceramic Waste Powder and Blast Furnace Slag using Artificial Neural Networks“ is being submitted by Chandrahas Reddy Vedire(1602-20-732-008) , Lasya Sri Goshikonda(1602-20-732-013) , Sai Anirudh Adepu(1602-20-732-023) 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 2023-2024.

  
**DR.C.MOHAN LAL**

**Project Guide****Dept. of Civil Engineering**

  
03.05.2024

  
**Dr. B. SRIDHAR**

**Head of the Department****Dept. of Civil Engineering**



**EFFECT OF FIBERS ON THE BOND BEHAVIOUR  
BETWEEN DISTINCT LAYERS OF ORDINARY  
CEMENT CONCRETE AND SELF COMPACTING  
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**

**MULE MADHUMOHAN REDDY (1602-20-732-014)**

**AERLA PRASHANTH REDDY (1602-20-732-019)**

**GUJJULA RAM PRASAD REDDY (1602-20-732-022)**

**Under the Guidance of**

**Dr. S. Vijaya Kumar**

**(Associate Professor)**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING (Autonomous)**

**(Affiliated to Osmania University)**

**Ibrahim Bagh, Hyderabad-500031**

**MAY 2024**




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

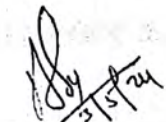
**CERTIFICATE**

This is to certify that the Major Project work entitled “Effect of Fibers on the Bond Behaviour Between Distinct Layers of Ordinary Cement Concrete and Self Compacting Concrete” is being submitted by Mule Madhumohan Reddy (1602-20-732-014) , Aerla Prashanth Reddy (1602-20-732-019) , Gujjula Ram Prasad Reddy (1602-20-732-022) 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. S. VIJAYA KUMAR**

**Project Guide**  
**Dept. of Civil Engineering**

  
63.05.2024

  
**Dr. B. SRIDHAR**

**Head of the Department**  
**Dept. of Civil Engineering**



**Feasibility of Municipal Solid Waste Incinerated Bottom  
Ash in Road Pavements.**

*Project Report*

*Submitted*

By

**Sapavath Prasad (1602-20-732-018)**

**Gunji Preet (1602-20-732-020)**

**Banothu Rajendra (1602-20-732-021)**

Under the guidance of

**Ms. P. Dhatri (Assistant professor)**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING,**

**(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD-500 031**



## DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD

### CERTIFICATE

This is to certify that the Major Project work "**Feasibility of Municipal Incinerated Bottom Ash in Road Pavements**" is being submitted by S. Prasad, G.Preet and B.Rajendra done 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 during the academic year **2023-2024**.

**Ms. P. Dhatri**

**Project Guide**

**Dept. of Civil Engineering**

**Dr. B. Sridhar**

**Head of Department**

**Dept. of Civil Engineering**



**ANALYSIS OF TRAFFIC CONGESTION AT CONTROLLED  
INTERSECTIONS**

*Project report submitted*

*In partial fulfilment of the requirements for the award of the degree of*  
**Bachelor of Engineering**

In

**Civil Engineering**

By

**A ASHOK (1602-20-732-006)**

**S TARUN KUMAR (1602-20-732-044)**

**K VAMSHI(1602-20-732-049)**

Under the guidance of

**DR.B.SRIDHAR**

**HEAD OF THE DEPARTMENT**



**DEPARTMENT OF CIVIL ENGINEERING**  
**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**(AFFILIATED TO OSMANIA UNIVERSITY)**  
**IBRAHIMBAGH, HYDERABAD-500 031**

**MAY 2024**



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

**CERTIFICATE**

This is to certify that the Project work entitled “ANALYSIS OF TRAFFIC CONGESTION AT CONTROLLED INTERSECTIONS” is being submitted by Sri / Ms. Azmeera Ashok (1602-20-732-006), Sompari Tarun Kumar (1602-20-732-044), Kannepogu Vamshi(1602-20-732-049), in partial fulfillment for the award of Bachelor of Engineering 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**

*05.05.2024*

**Dr . B. Sridhar**

**Head of the Department**

**Dept. of Civil Engineering**

# **FRAMEWORK FOR SUSTAINABLE AND HIERARCHIAL RURAL ROAD NETWORK**

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

**Bachelor of Engineering  
in  
Civil Engineering**

By

**N. Anish (1602-20-732-005)  
Y.V. Sai Shreya (1602-20-732-048)  
A. Vinay (1602-20-732-051)**

Under the guidance of  
**Dr. K. Jayasree**  
MAY 2024



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING,  
(Affiliated to Osmania University)  
IBRAHIMBAGH, HYDERABAD – 500 031**





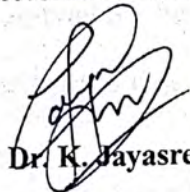
DEPARTMENT OF CIVIL ENGINEERING

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HYDERABAD

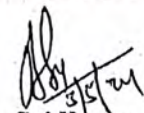
**CERTIFICATE**

This is to certify the project work entitled **Framework for Sustainable and Hierarchial rural road network** being submitted by N. Anish (1602-20-732-005), Y. V. Sai Shreya (1602-20-732-048), A. Vinay (1602-20-732-051) 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.

  
Dr. K. Jayasree


Project Guide

Dept. of Civil Engineering

  
Dr. B. Sridhar

Head of the Department

Dept. of Civil Engineering

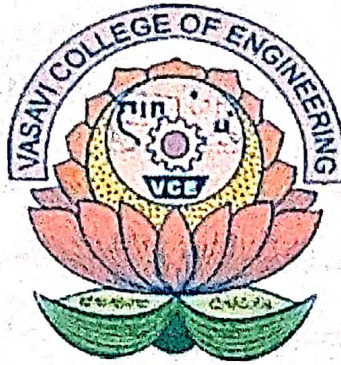
  
03.05.2024

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

<b>Alampalli Bhavani</b>	<b>1602-20-732-007</b>
<b>Veerabomma Sai Teja</b>	<b>1602-20-732-025</b>
<b>Varikuppala Siddhartha</b>	<b>1602-20-732-036</b>

i





## DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING

(AUTONOMOUS) HYDERABAD

### CERTIFICATE

This is to certify that the Major Project work “Intersection Delay Assessment: A Triangulated Approach” is being submitted by Alampalli Bhavani (1602-20-732-007), Veerabomma Sai Teja (1602-20-732-025), Varikuppala Siddhartha (1602-20-732-036) in partial fulfillment 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 our guidance.

**Dr.K. Jayasree**

**Internal Project Guide**

**Dept. of Civil Engineering**

03.05.2024

**Dr.B. Sridhar**

**Professor & Head**

**Dept. of Civil Engineering**



A Project Report on

**EVALUATING THE PERFORMANCE OF  
BITUMINOUS PAVEMENT USING COCONUT FIBERS  
AND RICE HUSK ASH AS FILLERS**

**Submitted By**

Gattu Saveri (1602-20-732-030)

Saaye Shivaanie Bosetti (1602-20-732-033)

B. Mamatha (1602-20-732-306)

**Under the Guidance of**

Dr.B.Sridhar

Professor

Head of the Department

**B.E. VIII Semester – Civil Engineering**

2023-2024



**Department of Civil Engineering**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Ibrahim Bagh, Hyderabad – 500031,

Telangana, India



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

**CERTIFICATE**

This is to certify that the Project work entitled **Evaluating the performance Bituminous Pavement using Coconut fibers and Rice husk ash** being submitted by Sri / Ms **G. Saveri (3602-20-732-030) Saaye Shivaanie Bosetti (1602-20-732-033) B. Mamatha (1602- 20-732-306)** 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. B. Sridhar

Project Guide

Dept. of Civil Engineering

  
03.05.2024

Dr. B. Sridhar

Head of the Department

Dept. of Civil Engineering



A PROJECT REPORT ON  
**STUDY OF DELAYS AND CONGESTION AT  
BOTTLENECKS IN URBAN AREAS**

**Project report submitted**

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

**Bachelor of Engineering**

in

**Civil Engineering**

By

**CH. Kamal Reddy (1602-20-732-011)**

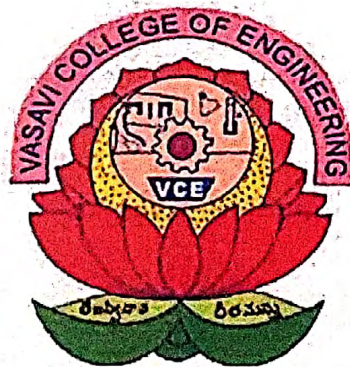
**L. Siddhartha Reddy (1602-20-732-035)**

**S. Tushar Nagi Reddy (1602-20-732-046)**

Under the guidance of

**P. Dhatri**

ASSISTANT PROFESSOR



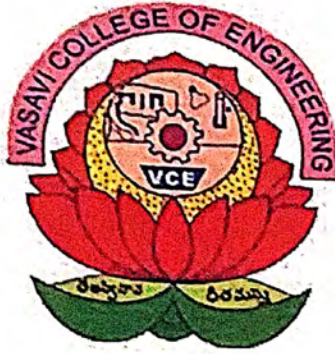
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**VASAVI COLLEGE OF ENGINEERING (Autonomous)**

(Affiliated to Osmania University)

Ibrahim Bagh, Hyderabad





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

**CERTIFICATE**

This is to certify that the Major Project work entitled “Study of delays and congestions at bottleneck in urban areas “ is being submitted by CH. Kamal Reddy (1602-20-732-011), L. Siddhartha Reddy (1602-20-732-035), S. Tushar Nagi Reddy (1602-20-732-046) 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 the academic year 2022-2023.

**P. Dhatri**

**Project Guide**  
**Dept. of Civil Engineering**

**Dr.B.SRIDHAR**

**Head of the Department**  
**Dept. of Civil Engineering**



# **ANALYSIS AND CHARACTERISTICS OF MUNICIPAL SOLID WASTE INCINERATION FLY ASH AND THERMAL POWER PLANT FLY ASH IN BITUMINOUS PAVEMENT.**

*Project report submitted*

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

## **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

by

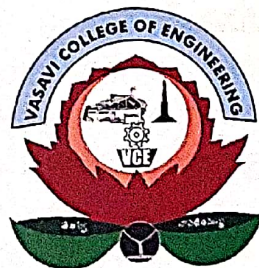
**Putakarapu Abhinaya (1602-20-732-002)**

**Juvva Krishna Priya (1602-20-732-012)**

**Dhondi Kobbani Vivek Chandra (1602-20-732-054)**

Under the guidance of

**MS.P. DHATRI (Assistant professor)**



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





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

**CERTIFICATE**

This is to certify that the project work entitled “ANALYSIS AND CHARACTERISTICS AND STRENGTH OF MUNICIPAL SOLID WASTE INCINERATION FLY ASH AND THERMAL POWER PLANT FLY ASH IN BITUMINOUS PAVEMENTS” is being submitted by P.Abhinaya, J.Krishna Priya, Dk. Vivek Chandra in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering in Civil engineering Department, Vasavi College of Engineering (Affiliated to Osmania University), Ibrahimbagh, Hyderabad, 500031 is a record of bonafide work carried by them under our guidance during the academic year **2023-2024**.

**MS.P.DHATRI**

PROJECT GUIDE

Dept. Of Civil Engineering

04.05.2024

**DR.B.SRIDHAR**

HEAD OF DEPARTMENT

Dept.of Civil Engineering



**Optimization of bitumen mix using Sulphur as binder and coconut charcoal as filler**

*A*

*Project Report*

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

**BACHELOR OF ENGINEERING  
IN  
CIVIL DEPARTMENT**

**By**

**Aarkha. Abhinav Chandra, 1602-20-732-001**

**K. Shravan Raj Goud, 1602-20-732-056**

**Thakur Vikram Singh, 1602-20-732-050**

*Under the guidance of*

**Dr. K. Jayasree**

**Associate Professor, Dept. of Civil Engineering**



**Department of Civil Engineering**

**Vasavi College of Engineering (Autonomous)**

**ACCREDITED BY NAAC WITH 'A++' GRADE (Affiliated to Osmania University)**

**Ibrahim Bagh, Hyderabad-31 2023**

**Vasavi College of Engineering (Autonomous)**

**ACCREDITED BY NAAC WITH 'A++' GRADE**

**(Affiliated to Osmania University)**

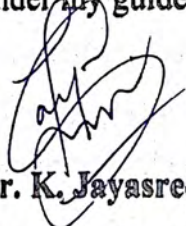
**Hyderabad-500 031**

**Department of Civil Engineering**



**BONAFIDE CERTIFICATE**

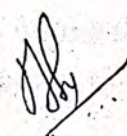
This is to certify that the project entitled **Optimization of bitumen mix using Sulphur as binder and coconut charcoal as filler** being submitted by **Aarkha. Abhinav Chandra, Shravan Raj Goud and Thakur Vikram Singh** bearing **1602-20-732-001, 1602-20-732-056 and 1602-20-732-050** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Civil is a record of Bonafide work carried out by them under my guide.

  
**Dr. K. Jayasree**

**Associate Professor,**

**Dept. of Civil Engineering**

**Internal Guide**

  
**Dr. B. Sridhar**

**Professor & HOD, Civil**

**Engineering**

**External examiner**



**STUDY OF STRENGTH CHARACTERISTICS OF  
BLACK COTTON SOIL STABILIZED WITH FIXED  
PERCENTAGES OF GGBS AT DIFFERENT WATER  
CONTENTS**

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

**Bachelor of Engineering in  
Civil Engineering**

By

**Neha Sulthana (1602-20-732-040)**

**P. Swathi (1602-20-732-043)**

**S. Akhil (1602-20-732-047)**

Under the guidance of

**J. Chaitanya**

Assistant Professor



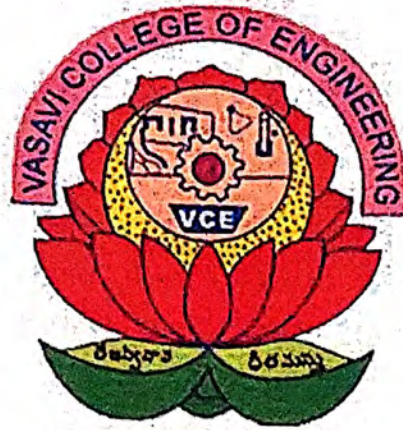
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**VASAVI COLLEGE OF ENGINEERING,**

**(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD – 500 031**





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

**CERTIFICATE**

This is to certify that the Project work entitled **STUDY OF STRENGTH CHARACTERISTICS OF BLACK COTTON SOIL STABILIZED WITH FIXED PERCENTAGES OF GGBS AT DIFFERENT WATER CONTENTS** is being submitted by **SRINEHASULTHANA, P. SWATHI, S. AKHIL** in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahim Bagh, Hyderabad 500 031 is a record of Bonafede work carried out by him under our guidance.

**J. Chaitanya**  
**Project Guide**  
**Dept. of Civil Engineering**

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

# **STUDIES ON HYDRAULIC CONDUCTIVITY OF STABILIZED SOILS**

*Project report Submitted*

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

**Bachelor of Engineering in  
Civil Engineering**

By

**UPPU SAMYUKTH**

**(1602-20-732-026)**

**BORA VISHALA REDDY**

**(1602-20-732-052)**

**MALLEGUDEM PAVAN KALYAN**

**(1602-20-732-307)**

Under the guidance of

**SRI.G. SRINIVAS**

(Associate Professor)

**MAY 2024**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING**

**(Autonomous, Affiliated to Osmania University)**

**IBRAHIMBAGH, HYDERABD-500031**

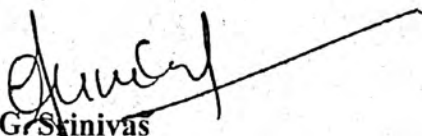




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**VASAVI COLLEGE OF ENGINEERING**  
**HYDERABAD**

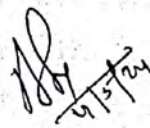
**CERTIFICATE**

This is to certify that the Project work entitled Studies on Hydraulic Conductivity of Stabilized soils is being submitted by Uppu Samyukth (1602-20-732-026), Bora Vishala Reddy (1602-20-732-052), Mallegudem Pavan Kalyan (1602-20-732-307) 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

  
Mr. G. Srinivas

**Project Guide**

**Dept. of Civil Engineering**

  
Dr. B. Sridhar

**Head of the Department**

**Dept. of Civil Engineering**

**MITIGATION OF WIND EROSION USING MICROBIALLY  
INDUCED CALCITE PRECIPITATION INDUCED BY  
SPOROSARCINA PASTEURII**

*Project report submitted*

*In the partial fulfilment of the requirements for*

*the award of the degree of*

**Bachelor of Engineering  
in**

**Civil Engineering**

By

**S. DELIGHT      1602-20-732-009  
S. SIRISHA      1602-20-732-037  
M. SRIMANASA   1602-20-732-055**

Under the guidance of

**Mr. S KESAV KUMAR ARNEPALLY**

(Assistant Professor)

**MAY 2024**



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING  
(Autonomous)  
IBRAHIMBAGH, HYDERABAD-500031**





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

**CERTIFICATE**

This is to certify that the project work entitled “MITIGATION OF WIND EROSION USING MICROBIALY INDUCED CALCITE PRECIPITATION INDUCED BY SPOROSARCINA PASTEURII” is being submitted by S. DELIGHT (1602-20-732-009), Ms. S. SIRISHA (1602-20-732-037), Ms. M. SRIMANASA (1602-20-732-055), 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 2023-2024

  
Mr. S. KESAV KUMAR

(Assistant Professor)

Dept. of Civil Engineering

  
Dr. B. SRIDHAR

(Head of the Department)

Dept. of Civil Engineering

**Stabilization Of Black Cotton Soil by  
Crumb Rubber And GGBS**

*Project Report*

*Submitted*

By

**S.Deepak Rao (1602-19-732-010)**

**B.Saritha (1602-20-732-028)**

**A.Triveni (1602-20-732-045)**

Under the guidance of

**Sri. G.Srinivas (Associate professor)**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING,**

**(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD-500 031**



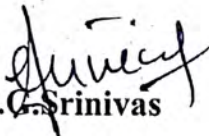


## DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD


### CERTIFICATE

This is to certify that the Major Project work “**Stabilization of Black Cotton Soil By Crumb Rubber And GGBS**” is being submitted by S.Deepak Rao , B.Saritha and A.Triveni done 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 during the academic year **2023-2024**.

  
Sri. C. Srinivas

Project Guide

Dept. of Civil Engineering

  
Dr. B. Sridhar

Head of Department

Dept. of Civil Engineering

Project report on

# **Stabilisation of Expansive Soils With Polypropylene Fibres**

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

**Bachelor of Engineering**

*in*

**Civil Engineering**

**By**

**Sai Suhas Reddy (1602-20-732-024)**

**Sriviharika (1602-20-732-039)**

**Shiva Sai Kumar Goud (1602-20-732-034)**

**Under the Guidance of**

**J.Chaitanya**

**(Assistant Professor)**



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING (Autonomous)  
(Affiliated to Osmania University)  
Ibrahim Bagh, Hyderabad 500031  
MAY 2024**





**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**

**HYDERABAD**

**CERTIFICATE**

This is to certify that the Project work entitled **Stabilisation of Expansive Soils With Polypropylene Fibres** is being submitted by **Sai Suhas Reddy (1602-20-732-024)**, **Sriviharika (1602-20-732-039)**, **Shiva Sai Kumar Goud (1602-20-732-034)** 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 my guidance and supervision during academic year 2023-2024.

**J. Chaitanya,**  
**Project Guide,**  
**Assistant Professor,**  
**Department Of Civil Engineering.**

**Dr. B. Sridhar,**  
**Head Of The Department,**  
**Professor,**  
**Department Of Civil Engineering.**

**UTILIZING BACILLUS MEGATERIUM-GENERATED  
MICROBIALY INDUCED CALCITE PRECIPITATION TO  
MITIGATE WIND EROSION**

*Project report submitted*

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

**Bachelor of Engineering**

in  
**Civil Engineering**

By

**V. JYOTHIRMAI (1602-20-732-304)**

**S.K. AMEEN (1602-20-732-309)**

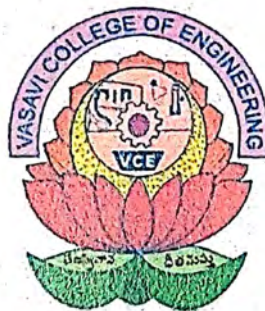
**K. YESHWANTH (1602-20-732-310)**

Under the guidance of

**S KESAV KUMAR ARNEPALLI**

**ASSISTANT PROFESSOR**

**MAY-2024**



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)  
IBRAHIMBAGH, HYDERABAD-5000 031**



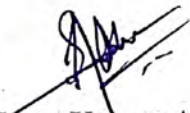


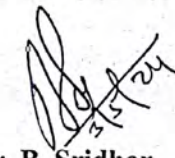
**DEPARTMENT OF CIVIL ENGINEERING VASAVI COLLEGE OF  
ENGINEERING (AUTONOMOUS)  
HYDERABAD**

**CERTIFICATE**

This is to certify that the project work entitled “UTILIZING OF BACILLUS MEGATERIUM-GENERATED MICROBially INDUCED CALCITE PRECIPITATION TO MITIGATE WIND EROSION” is being submitted by

**V. JYOTHIRMAI, SK. AMEEN, K. YESHWANTH** in partial fulfilment for the award of the degree 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 during the academic year 2023-24.

  
**S. Kesav Kumar Arnepalli**  
Project Guide  
Department of Civil Engineering

  
**Dr. B. Sridhar**  
Head of the department  
Department of Civil Engineering

**GROUNDWATER VULNERABILITY ASSESSMENT OF  
HYDERABAD USING DRASTIC MODEL**

**Project Report submitted**

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

**award of the degree of**

**BACHELOR OF ENGINEERING**

**in**

**Civil Engineering**

**By**

**P SINDHUJA (1602-20-732-302)**

**N VINAY (1602-20-732-305)**

**M VINAY (1602-20-732-308)**

**Under the guidance of**

**Ms. KRATI SHARMA (Assistant Professor)**



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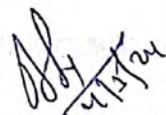
**DEPARTMENT OF CIVIL ENGINEERING**  
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**HYDERABAD**

**CERTIFICATE**

This is to certify that the Project work entitled **Groundwater Vulnerability Assessment of Hyderabad using DRASTIC model** is being submitted by **P SINDHUJA, N VINAY, M VINAY** 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 during the academic year 2023-2024.

  
**Ms. Krati Sharma**

**Guide**  
**Dept. of Civil Engineering**

  
**Dr. B. Sridhar**

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

**ESTIMATION AND SCHEDULING OF A  
COMMERCIAL BUILDING**

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

By  
**CH ADARSH (1602-20-732-003)**  
**J SHIVA KUMAR (1602-20-732-032)**  
**HDV SWABHAV (1602-20-732-042)**

Under the guidance of  
**Mrs R SOWMYA**  
**ASSISTANT PROFESSOR**



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING  
(AUTUNOMOUS)  
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MAY-2024**




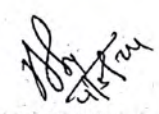


**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)  
HYDERABAD**

**CERTIFICATE**

This is to certify that the project work entitled “ESTIMATION AND SCHEDULING OF A COMMERCIAL BUILDING” is being submitted by **CH ADARSH , J SHIVA KUMAR, HDV SWABHAV** 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 during the academic year **2023-2024**.

  
**Mrs. R.SOWMYA**  
Project Guide  
Dept. of Civil Engineering

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

**ENHANCEMENT OF WATER QUALITY USING  
NATURAL COAGULANT IN IBRAHIM BAGH  
LAKE'**

*Project report Submitted In the partial fulfillment  
of the requirements for the " theme based project "*

**6<sup>th</sup> semester,  
Bachelor of  
Engineering in  
Civil Engineering**

**By**

**KIRAN**

**(1602-21-732-021)**

**S T NIHAL**

**(1602-21-732-026)**

**SAI SAKETH**

**(1602-21-732-037)**

**Under the guidance of**

**Dr. Krati Sharma**



**MAY 2024**

**DEPARTMENT OF**

**CIVIL ENGINEERING**

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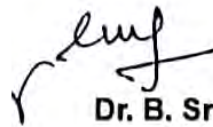
**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING  
HYDERABAD**

**CERTIFICATE**

This is to certify that the Project work entitled studies on Enhancement of Water Quality Using Natural Coagulant in Ibrahim Bagh Lake is being submitted by Kiran (1602-21-732-021), S T Nihal (1602-21-732-026), Sai Saketh (1602-21-732-037) in partial fulfilment of Theme Based Project of 6<sup>th</sup> Semester in 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.

  
**Krati Sharma,**

**Project Guide,  
Assistant Professor,  
Dept of Civil Engineering**



**Dr. B. Sridhar  
Head of Department  
Professor,  
Dept of Civil Engineering**

B-2

# **STUDIES ON RECYCLED CONCRETE AGGREGATES**

*Project report Submitted In the partial fulfilment of the  
requirements for the " theme based project "*

**6<sup>th</sup> semester ,Bachelor of**

**Engineering in Civil**

**Engineering**

**By**

**INDRANIL BADALWAR**

**(1602-21-732-007)**

**SHAIK ZAID**

**(1602-21-732-301)**

**UDAY KIRAN**

**(1602-21-732-304)**

**Under the guidance of**

**Dr. C. Mohan Lal**

**MAY 2024**



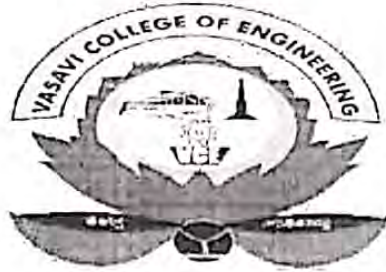
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**HYDERABAD**

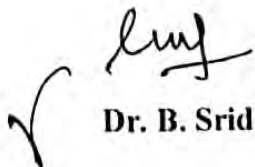
**CERTIFICATE**

This is to certify that the Project work entitled Studies on recycled concrete aggregates is being submitted by Indranil badalwar (1602-21-732-007), Shaik zaid (1602-21-732-301), Uday kiran (1602-21-732-304) in partial fulfillment for theme based project of 6<sup>th</sup> semester in 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

  
**Dr. C. Mohan Lal**

**Project Guide**

**Dept. of Civil Engineering**

  
**Dr. B. Sridhar**

**Head of the Department**

**Dept. of Civil Engineering**

**Theme Based Project report  
On  
Expansive Soil Stabilization with Lime, Fly Ash and  
Polypropylene Fiber for Flexible Pavement Subgrade**

**KOUSHIK AITHA**

**1602-21-732-022**

**NISHANTH KOTTE**

**1602-21-732-027**

**SANDEEP KURVA**

**1602-21-732-040**

Under the guidance of  
Mr. G. Srinivas  
Associate Professor



**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)  
AFFILIATED TO OSMANIA UNIVERSITY  
HYDERABAD  
May 2024**



**THEME BASED PROJECT REPORT ON**  
**Expansive Soil Stabilization with Lime, Fly Ash and**  
**Polypropylene Fiber for Flexible Pavement Subgrade**

**Submitted by:**

<b>KOUSHIK AITHA</b>	<b>1602-21-732-022</b>
<b>NISHANTH KOTTE</b>	<b>1602-21-732-027</b>
<b>SANDEEP KURVA</b>	<b>1602-21-732-040</b>

Under the guidance of  
Mr. G. Srinivas  
Associate Professor



**DEPARTMENT OF CIVIL ENGINEERING**  
**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**AFFILIATED TO OSMANIA UNIVERSITY**  
**HYDERABAD**

**May 2024**

B-4

# CLIMATE FORECASTING AND ANALYSIS OF HYDERABAD

Project report Submitted

In the partial fulfilment of the requirements for  
the award of the degree

**Bachelor of Engineering in  
Civil Engineering**

By

**DIMPLE CHOWDARY**

(1602-21-732-015)

**SNEHALI SRIGADHI**

(1602-21-732-048)

**SAI NIKITHA LINGAMPALLY**

(1602-21-732-036)

Under the guidance of

**SRI.B.JAGADEESH**

(Assistant Professor)

**JUNE 2024**



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





**DEPARTMENT OF CIVIL ENGINEERING**  
**VASAVI COLLEGE OF ENGINEERING**  
**HYDERABAD**  
**IBRAHIMBAGH, HYDERABAD-500031**

**CERTIFICATE**

This is to certify that the Project work entitled Studies on Climate forecasting and analysis of Hyderabad is being submitted by Dimple Chowdary(1602-21-732-015), Sai Nikitha Lingampally(1602-21-732-036), Snehal Srigadhi(1602-21-732-048) 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.

**Mr. B. Jagadeesh**

**Project Guide**  
**Dept. of civil engineering**

**Dr. B. Sridhar**

**Head of the Department**  
**Dept. of Civil Engineering**

# **COMPARATIVE STUDY BETWEEN BITUMEN MIX AND**

## **PLASTIC ADDED BITUMEN MIX**

**Theme based project**

**Submitted by**

**M.DEEKSHITHA VARDHINI**

**(1602-21-732-013)**

**A.SONIYA REDDY**

**(1602-21-732-049)**

**Y.SWAPNA RANI**

**(1602-21-732-054)**

**UNDER THE GUIDANCE OF**

**P.DHATRI**

**(Assistant professor)**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD -500031**





## DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

### CERTIFICATE

This is to certify that the Theme Based Project work entitled **COMPARATIVE STUDY BETWEEN BITUMEN MIX AND PLASTIC ADDED BITUMEN MIX** is being submitted by M. Deekshitha Vardhini (1602-21-732-013) A. Soniya Reddy(1602-21-732-049)Y. Swapna Rrani (1602-21-732-054)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.

**P. Dhatri**

**Project Guide**

**Dept. of Civil Engineering**

**Dr. B. Sridhar**

**Professor & Head**

**Dept. of Civil Engineering**

**Theme Based Project report  
On  
Optimal Locations of Electric Vehicle  
Charging Stations**

**Siddanth Gunda  
1602-21-732-045**

**Y. Teja Rishith Reddy  
1602-21-732-055**

**Tunvi Reddy Dasari  
1602-21-732-057**

Under the guidance of

**Dr. K. Jayasree  
Associate Professor**



**DEPARTMENT OF CIVIL ENGINEERING**  
**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**AFFILIATED TO OSMANIA UNIVERSITY**  
**HYDERABAD**  
**May 2024**





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

**CERTIFICATE**

This is to certify that the Theme Based Project work entitled "Optimal locations of electric vehicle charging stations" is being submitted by Mr. Siddanth Gunda, Mr. Y. Teja Rishith Reddy and Ms. Tunvi Reddy Dasari done in the 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**

B +

# **THEME BASED PROJECT REPORT ON**

## **WIND ANALYSIS OF A G+10 BUILDING**

*Submitted by:*

GANNE ANANYA                      1602-21-732-004

BANOTH VIJAY                      1602-21-732-059

SARIKONDA MANOHAR RAJU 1602-21-732-024

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**

**HYDERABAD**

**MAY 2024**

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**AFFILIATED TO OSMANIA UNIVERSITY**  
**IBRAHIMBAGH, HYDERABAD**  
**CERTIFICATE**

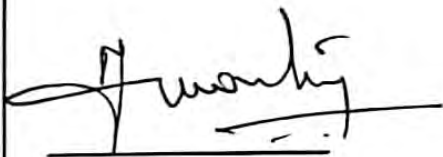
This is to certify that the Theme based project report entitled  
"Wind Analysis of a G+10 Building" is a bonafide record of a  
Theme based project work carried out by

GANNE ANANYA-----1602-21-732-004

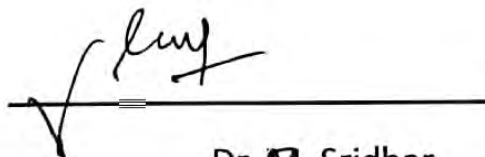
BANOTH VIJAY----- 1602-21-732-059

SARIKONDA MANOHAR RAJU----- 1602-21-732-024

in the Department of Civil Engineering, Vasavi College of  
Engineering (Autonomous) (Affiliated to Osmania University),  
Hyderabad during the academic year 2023-24.




Dr.M.V.S.S. SASTRI  
Project Guide



Dr. M. Sridhar  
Professor & HOD  
Dept. of Civil Engg.





# THEME BASED PROJECT REPORT

STUDY OF GEOSYNTHETIC  
REINFORCED SOIL

BY:

R.KEERTHANA JASMIN 1602-21-732-020

B.SWARNA 1602-21-732-053

M.THIRUMALESH 1602-21-732-056

UNDER THE GUIDANCE OF

MR.J.CHATANYA

ASSISTANT PROFESSOR

DEPART OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING

## Certificate:



### DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

HYDERABAD

#### CERTIFICATE

This is to certify that the Theme Based Project work entitled "study of geosynthetic soil" is being submitted by R.Keerthana,B.Swarna,M.Thirumalesh 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.

MR.J. Chiatanya

Assistant professor

Project Guide

Dept. of Civil Engineering

Dr. B.Sridhar

Professor & Head

Dept. of Civil Engineering

B - 9

# **DSIGN OF CANTILEVER RETAINING WALL**

*Theme Based Project report submitted*

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

## **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

by

**Thonti Ajay (1602-21-732-002)**

**Dharamsoth Indu (1602-21-732-017)**

**Nalla Abhitha (1602-21-732-302)**

**Under the guidance of**

**Mr. G. Raghavendra (Associate professor)**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF  
ENGINEERING(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD – 500031**





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

**CERTIFICATE**

This is to certify that the Theme Based Project work entitled "DESIGN OF CANTILEVER RETAINING WALL" is being submitted by Ajay(1602-21-732-002), Indu(1602-21-732-017), Nalla Abhitha(1602-21-732-302) done 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.

**Mr. G. Raghavendra**

**PROJECT GUIDE**

Dept. of Civil Engineering

**Dr. B. Sridhar**

**HEAD OF DEPARTMENT**

Dept. of Civil Engineering

# **MODELING OF TRIPLE BLENDED FIBRE REINFORCED CONCRETE IN FLEXURE AND TENSION**

Theme Based Project Report Submitted

by

Kowtharapu. Aravind Kumar (1602-21-732-005)

Kasivojjula. Prasanna (1602-21-732-029)

Ankam Sindhuja (1602-21-732-303)

Under the guidance of

**Dr. M. V. Rama Rao**

Professor



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING**

**(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD – 500031**



**DEPARTMENT OF CIVIL ENGINEERING**

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

**CERTIFICATE**

This is to certify that the Theme Based Project work entitled “MODELING OF TRIPLE BLENDED FIBRE REINFORCED CONCRETE IN FLEXURE AND TENSION” is being submitted by Kowtharapu. Aravind Kumar(1602-21-732-005), Kasivojjula. Prasanna(1602-21-732-029), Ankam Sindhuja (1602-21-732-303), done 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 during the academic year 2024-2025.

  
**DR. M. V. RAMA RAO**

**PROJECT GUIDE**  
Dept. Of Civil Engineering

  
**DR. B.SRIDHAR**

**HEAD OF DEPARTMENT**  
Dept. Of Civil Engineering



**THEME BASED PROJECT REPORT**  
**DESIGN OF RCC COMPONENTS AND STEEL CONNECTIONS (LSD)**  
**USING MICROSOFT EXCEL**

**Submitted By:**

Bharath Kumar Gaddameedhi	1602-21-732-009
Chinmayi Nalajala	1602-21-732-011
Thippareddy Sai Krishna Reddy	1602-21-732-039

**Under The Guidance of:**

DR CHOWDARY MOHANLAL  
(Associate Professor)



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**IN AFFILIATION WITH OSMANIA UNIVERSITY**  
**IBRAHIMBAGH, HYDERABAD - 500031**



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

**CERTIFICATE**

This is to certify that the Theme Based Project work entitled "DESIGN OF RCC COMPONENTS AND STEEL CONNECTIONS USING MICROSOFT EXCEL" is being submitted by **Sri Gaddameedhi Bharath Kumar, Ms Chinmayi Nalajala and Sri Thippareddy Sai Krishna Reddy**, 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.

**DR CHOWDARY MOHANLAL**

Project Guide

Department of Civil Engineering

**DR. B SRIDHAR**

Professor and HOD

Department of Civil Engineering

# INFLUENCE OF MINERAL ADMIXTURES AND ROBO SAND ON FRESH AND HARDENED PROPERTIES OF CONCRETE

*Project report submitted*

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

BACHELOR OF ENGINEERING  
IN CIVIL ENGINEERING

by

Pabboju Sai Krishna (1602-21-732-035)

Gunti Sravanthi (1602-21-732-050)

Doosa Sadhguna (1602-21-732-308)

Under the guidance of

Dr. S. VIJAYA KUMAR (Associate Professor)



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IBRAHIMBAGH, HYDERABAD -500031

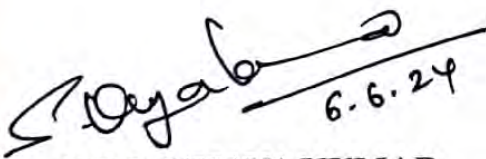




**DEPARTMENT OF CIVIL ENGINEERING  
VASAVI COLLEGE OF ENGINEERING,  
HYDERABAD**

**CERTIFICATE**

This is to certify that the project work entitled "INFLUENCE OF MINERAL ADMIXTURES AND ROBO SAND ON FRESH AND HARDENED PROPERTIES OF CONCRETE" is being submitted by P. Sai Krishna, G. Sravanthi, D. Sadhguna in partial fulfilment 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 by them under our guidance during the academic year **2023-2024**.

  
6.6.24

**DR.S. VIJAYA KUMAR**

**PROJECT GUIDE**

**Dept. of Civil Engineering**

  
6/6/24

**DR. B. SRIDHAR**

**HEAD OF DEPARTMENT**

**Dept. of Civil Engineering**

# **OPTIMIZING CONCRETE STRENGTH :**

## **BLENDING AGGREGATES FOR HIGH COMPRESSIVE STRENGTH**

Project report submitted in the partial fulfillment of the requirements for the "theme based project"

**6<sup>th</sup> SEM ,B.E. CIVIL ENGINEERING**

**PRESENTED BY:**

<b>K.BADHU</b>	<b>(1602-21-732-008)</b>
<b>ABDUL JUNAID</b>	<b>(1602-21-732-306)</b>
<b>S.SRI VARDHAN</b>	<b>(1602-20-732-038)</b>

**Under the guidance :**

**R.SOWMYA**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD-500031**



DEPARTMENT OF CIVIL ENGINEERING

VASAVI COLLEGE OF ENGINEERING, HYDERABAD

## CERTIFICATE

This is to certify that the project work entitled Studies on “OPTIMIZING CONCRETE STRENGTH: BLENDING AGGREGATES FOR HIGH COMPRESSIVE STRENGTH” is being submitted by K. Badhu (1602-21-732-008), Abdul Junaid (1602-21-732-306), S. Sri Vardhan (1602-20-732-038) in partial fulfillment for theme based project of 6<sup>th</sup> semester in 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

**R.SOWMYA**

**PROJECT GUIDE**

**Dept. of Civil Engineering**

**Head of the Department**

**Dept. of Civil Engineering**



# **FIBER REINFORCED RECYCLED AGGREGATE CONCRETE MIX DESIGN**

*Theme base Project report submitted*

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

## **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**

by

**KARANGI SAILAXMI (1602-21-732-305)**

**VAKITHI SHIVA (1602-21-732-309)**

**KALYAN NAYAK (1602-21-732-019)**

**Under the guidance of**

**DR.M.V.S.S.SASTRI(Assistant professor)**



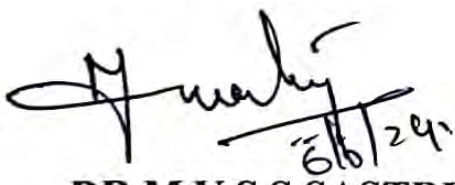
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VASAVI COLLEGE OF ENGINEERING,  
HYDERABAD**

**CERTIFICATE**

This is to certify that the Theme Based project work entitled “FIBER REINFORCED RECYCLED AGGREGATE CONCRETE MIX DESIGN” is being submitted by K. Sailaxmi, V. Shiva, Kalyan 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 by them under our guidance during the academic year **2023-2024**.



**DR.M.V.S.S.SASTRI**

**PROJECT GUIDE**

**Dept. Of Civil Engineering**



**DR.B.SRIDHAR**

**HEAD OF DEPARTMENT**

**Dept.of Civil Engineering**

**Theme Based Project report**  
**On**  
**EXPERIMENTAL STUDY ON EVAPORATION**  
**REDUCTION BY USE OF MONOMOLECULAR**  
**LAYERS AND FLOATING ROOFS**

**U. Deekshith**  
**1602-21-732-012**

**A. Dharani**  
**1602-21-732-014**

**J. Shirisha**  
**1602-21-732-042**

**M. Veda**  
**1602-21-732-058**

Under the guidance of  
**Mr. B. JAGADEESH**  
**Assistant Professor**




**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**  
**AFFILIATED TO OSMANIA UNIVERSITY**  
**IBRAHIMBAGH, HYDERABAD**


## **CERTIFICATE**

This is to certify that the Theme based project report entitled  
**"EXPERIMENTAL STUDY ON EVAPORATION REDUCTION BY USE OF  
MONOMOLECULAR LAYERS AND FLOATING ROOFS "** is a bonafide record  
of a Theme based project work carried out by

U. Deekshith - - - 1602-21-732-012  
A. Dharani - - - 1602-21-732-014  
J. Shirisha - - - 1602-21-732-042  
M. Veda - - - 1602-21-732-058

in the Department of Civil Engineering, Vasavi College of Engineering  
(Autonomous) (Affiliated to Osmania University), Hyderabad during the  
academic year 2023-24.

  
**Mr. B. Jagadeesh**  
Dept. of Civil Engg.

  
**Dr. B. Sridhar**  
Professor & HOD

B-16

# **IN-VESSEL COMPOSTING**

*Project report submitted*

by

**Lamiya Tabassum (1602-21-732-023)**

**Sreeja Marri (1602-21-732-051)**

**Sujatha (1602-21-732-052)**

**Naga Harshitha(1602-21-732-307)**

**Under the guidance of**

**MS.krati Sharma (Assistant professor)**



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**VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)**

**IBRAHIMBAGH, HYDERABAD – 500031**



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

**CERTIFICATE**

This is to certify that the Theme Based Project work entitled "IN-VESSEL COMPOSTING" is being submitted by Ms Lamiya Tabassum, Sreeja Marri, P.sujatha, Naga Harshitha done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500 031 is a record of bonafide work carried out by her under our guidance.

  
**MS.krati Sharma**

Project Guide

Dept. Of Civil Engineering  
Engineering

  
**DR.B.Sridhar**

Professor & Head

Dept.of Civil



# **STUDY OF WORKING PRINCIPLE OF SEWAGE TREATMENT PLANT**

Project report Submitted In the partial fulfilment of the requirements for the" theme based project "

**6th semester ,Bachelor of  
Engineering in Civil  
Engineering  
By**

**M.RAJASHEKAR**

**1602-21-732-032**

**GOVIND KARVA**

**1602-21-732-016**

**SHIVA PRATHIK**

**1602-21-732-044**

**Under the guidance of**

**Dr. S. VIJAY KUMAR**

**MAY 2024**



**DEPARTMENT OF CIVIL ENGINEERING**

**VASAVI COLLEGE OF ENGINEERING**

**(Autonomous)**

**IBRAHIMBAGH, HYDERABAD-500031**



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**HYDERABAD**

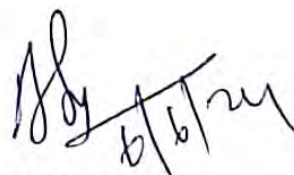
**CERTIFICATE**

plant is being submitted by M. Rajashekar (1602-21-732-032), Govind karva (1602-21-732-016), Shiva prathik (1602-21-732-044) in partial fulfillment for theme based project of 6th semester in Bachelor of Engineering in Civil Engineering This is to certify that the Project work entitled Studies on Study of working principle of sewage treatment Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad 500031 is a record of bonafide work carried out by them under our guidance

  
**Dr. S. Vijaya Kumar**

**Project guide**

**Dept. of Civil Engineering**

  
**Dr. B. Sridhar**

**Head of the Department**

**Dept. of Civil Engineering**

B-18

**Theme Based Project report  
On  
Quantification of erosion potential through non destructive  
volumetric measurements'**

**Ramavath Sindhu  
1602-21-732-047**

**Angoth Jagadeesh  
1602-21-732-018**

**Dhanavath Phani Kumar  
1602-21-732-028**

Under the guidance of

Mr.S. Keshav Kumar  
Assistant Professor



4

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**May 2024**



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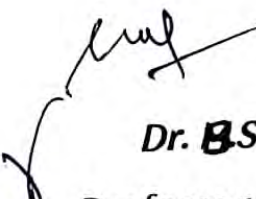
## CERTIFICATE

This is to certify that the Theme based project report entitled  
"Quantification of erosion potential through non destructive  
volumetric measurements' " is a bonafide record of a Theme based  
project work carried out by

R.Sindhu	1602-21-732-047
A.Jagadeesh	1602-21-732-018
D.Phani kumar	1602-21-732-028

in the Department of Civil Engineering, Vasavi College of Engineering  
(Autonomous) (Affiliated to Osmania University), Hyderabad during  
the academic year 2023-24.

  
**Mr. Keshav Kumar**  
Project Guide

  
**Dr. B. Sridhar**  
Professor & HOD  
Dept. of Civil Engg.

**DESIGN OF BITUMINOUS MIX WITH PARTIAL  
REPLACEMENT OF AGGREGATES USING  
WOODEN CHARCOAL IN BITUMINOUS  
PAVEMENT**

*Project report submitted*

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

**BACHELOR OF ENGINEERING  
IN CIVIL ENGINEERING**

by

**BHARATH MALOTH (1602-20-732-010)**

**SAI HARSHITH REDDY NARALA (1602-20-732-025)**

**SIDDARTH DOOSA (1602-20-732-046)**

Under the guidance of

**DR.K.JAYASREE (Associate professor)**



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**HYDERABAD**

**CERTIFICATE**

This is to certify that the project work entitled “**DESIGN OF BITUMINOUS MIX WITH PARTIAL REPLACEMENT OF AGGREGATES USING WOODEN CHARCOAL IN BITUMINOUS PAVEMENT**” is being submitted by Bharath Maloth, Sai Harshith Reddy Narala, Siddarth Doosa done in Civil Engineering Department, Vasavi College of Engineering (Autonomous), Ibrahimbagh, Hyderabad, 500031 is a record of bonafide work carried by them under our guidance during the academic year **2023-2024**.

**DR.K.JAYASREE**  
PROJECT GUIDE  
Dept. of Civil Engineering

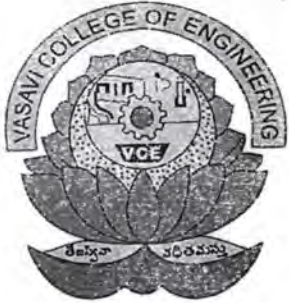
**DR.B.SRIDHAR**  
HEAD OF DEPARTMENT  
Dept. of Civil Engineering



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**CERTIFICATE**

*This is to certify that Mr. / Ms. B. ABHITEJ REDDY Roll No. 1602-22-732-001 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
Surveying Camp  
Coordinator

  
H.O.D.(Civil)

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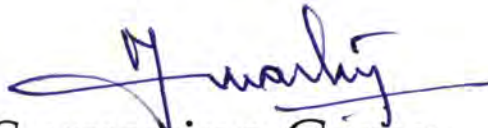
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had successfully completed the assigned work on collecting data from the field in  
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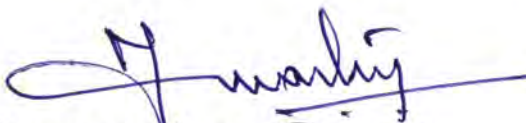
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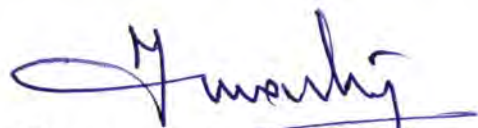
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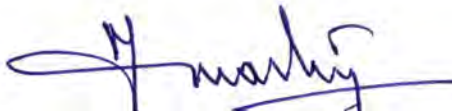
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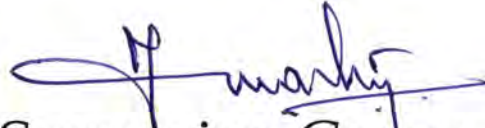
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Surveying Camp  
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H.O.D.(Civil)

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CHARY  
had successfully completed the assigned work on collecting data from the field in  
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Surveying Camp  
Coordinator

  
H.O.D.(Civil)





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organized by the Department of Civil Engineering, Vasavi College of Engineering (A),  
Hyderabad - 500 031.*

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H.O.D.(Civil)



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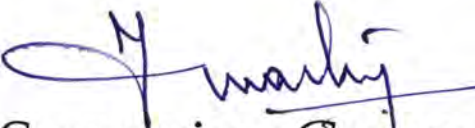
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*This is to certify that Mr. / Ms. MD. AYAN AHMED Roll No. 1602-22-732-021 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
Surveying Camp  
Coordinator

  
H.O.D.(Civil)

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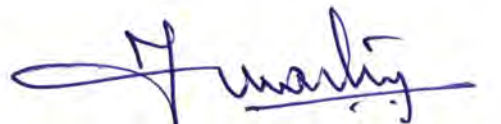
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*This is to certify that Mr. / Ms. G. RAJESH Roll No. 1602-22-732-024  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24  
organized by the Department of Civil Engineering, Vasavi College of Engineering (A),  
Hyderabad - 500 031.*

  
Surveying Camp  
Coordinator

  
H.O.D.(Civil)





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

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## CERTIFICATE

*This is to certify that Mr. / Ms. K. SRIHARI CHANDRA Roll No. 1602-22-732-031 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

Surveying Camp  
Coordinator

H.O.D.(Civil)



# VASAVI COLLEGE OF ENGINEERING (A)

## DEPARTMENT OF CIVIL ENGINEERING

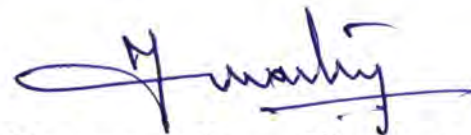
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### CERTIFICATE

*This is to certify that Mr. / Ms. V. SUSHMA Roll No. 1602-22-732-033 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
Surveying Camp  
Coordinator

  
H.O.D.(Civil)

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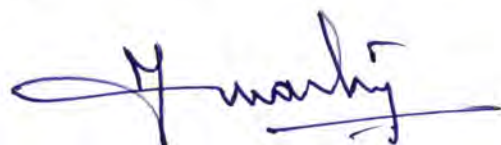
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## CERTIFICATE

*This is to certify that Mr. / Ms. G. UMESH Roll No. 1602-22-732-035  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24  
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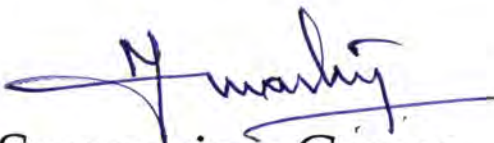
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## CERTIFICATE

*This is to certify that Mr. / Ms. R. VAIBHAV Roll No. 1602-22-732-036  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24  
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## CERTIFICATE

*This is to certify that Mr. / Ms. A. VIJAY YADAV Roll No. 1602-22-732-038 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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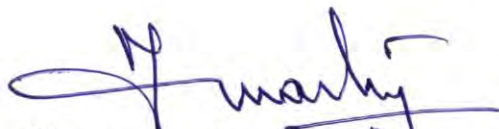
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## CERTIFICATE

*This is to certify that Mr. / Ms. M-VINAYKUMAR Roll No. 1602-22-732-039 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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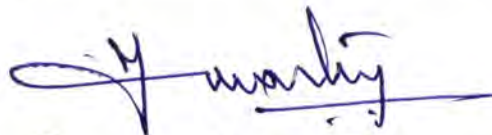
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## CERTIFICATE

*This is to certify that Mr. / Ms. B. VARUN Roll No. 1602-22-732-309 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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## CERTIFICATE

*This is to certify that Mr. / Ms. G. LAVANYA Roll No. 1602-22-732-311 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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## CERTIFICATE

*This is to certify that Mr. / Ms. B. ANOOSHA Roll No. 1602-22-732-003 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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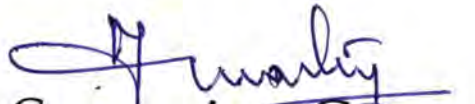
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**CERTIFICATE**

*This is to certify that Mr. / Ms. B. BOOMIKA Roll No. 1602-22-732-005  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24  
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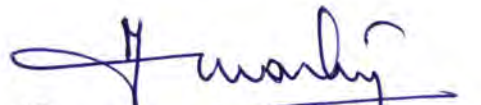
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**CERTIFICATE**



*This is to certify that Mr. / Ms. B. DINESH KUMAR Roll No. 1602-22-732-007 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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### CERTIFICATE

This is to certify that Mr. / Ms. G. HARIRA Roll No. 1602-22-732-008

had successfully completed the assigned work on collecting data from the field in  
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## CERTIFICATE

*This is to certify that Mr. / Ms. J. JAIHINDYADAV Roll No. 1602-22-732-010 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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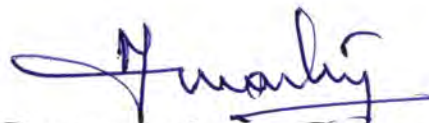
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**CERTIFICATE**

*This is to certify that Mr. / Ms. T. MAHESH GOUD Roll No. 1602-22-732-~~017~~  
had successfully completed the assigned work on collecting data from the field in  
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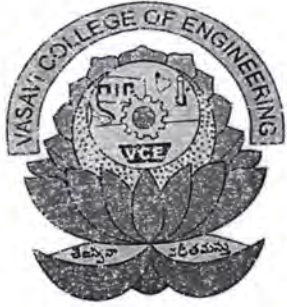
  
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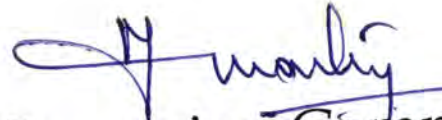
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This is to certify that Mr. / Ms. A. MANISHA Roll No. 1602-22-732-019  
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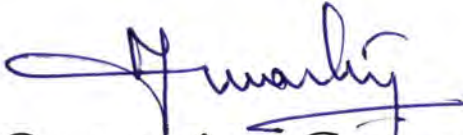
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### CERTIFICATE

This is to certify that Mr. / Ms. P. MANOHAR Roll No. 1602-22-732-020 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.

  
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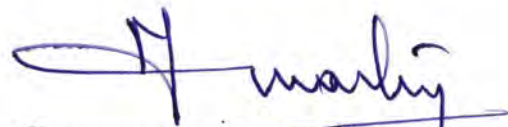
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### CERTIFICATE

*This is to certify that Mr. / Ms. B. PAVAN CHANDRA Roll No. 1602-22-732-023 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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### CERTIFICATE

*This is to certify that Mr. / Ms. M. RAKSHITHA Roll No. 1602-22-732-026 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. T.SAIDESWARA RAO Roll No. 1602-22-732-029 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. SK. MEHEK ALIYA Roll No. 1602-22-732-030 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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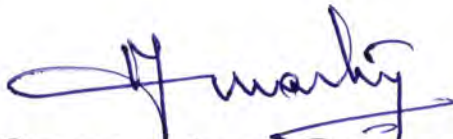
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**CERTIFICATE**

*This is to certify that Mr. / Ms. D. TEJASWINI Roll No. 1602-22-732-034 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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## CERTIFICATE

*This is to certify that Mr. / Ms. S. VAMSHI Roll No. 1602-22-732-037 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

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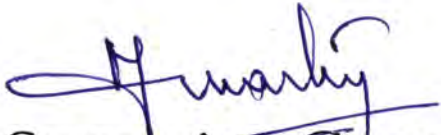
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**CERTIFICATE**

*This is to certify that Mr. / Ms. CH. LAVANYA Roll No. 1602-22-732-301 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. A. SUTATHA Roll No. 1602-22-732-302 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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## CERTIFICATE

This is to certify that Mr. / Ms. K. KEERTHANA Roll No. 1602-22-732-303 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.

  
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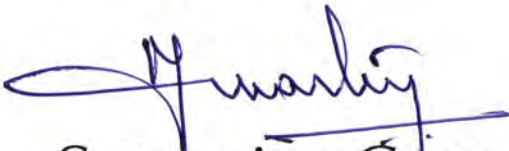
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**CERTIFICATE**

*This is to certify that Mr. / Ms. B. KOUSHIK Roll No. 1602-22-732-304  
had successfully completed the assigned work on collecting data from the field in  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. MD. FARHAN UZZAMAN Roll No. 1602-22-732-305 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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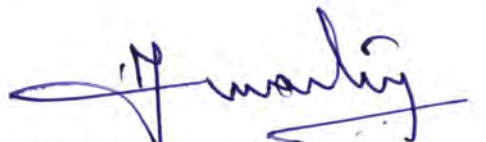
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**CERTIFICATE**

*This is to certify that Mr. / Ms. R-SRILAXMI Roll No. 1602-22-732-306 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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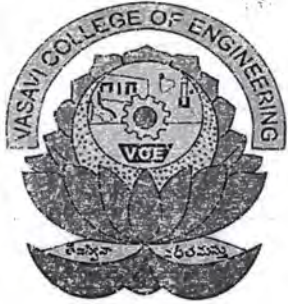
  
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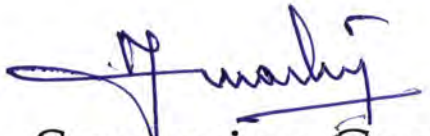
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## CERTIFICATE

*This is to certify that Mr. / Ms. MD.M.ALIKHAN Roll No. 1602-22-732-307 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. CH. MEGANATH Roll No. 1602-22-732-308 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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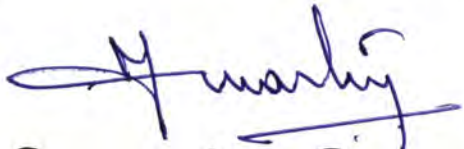
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**CERTIFICATE**

*This is to certify that Mr. / Ms. MD JUNAID HUSSAIN Roll No. 1602-22-732-310  
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## CERTIFICATE

*This is to certify that Mr. / Ms. D.VIKRAM RATHOD Roll No. 1602-22-732-313 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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### CERTIFICATE

This is to certify that Mr. / Ms. P. KISHOR Roll No. 1602-22-732-314 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024 to 27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.

  
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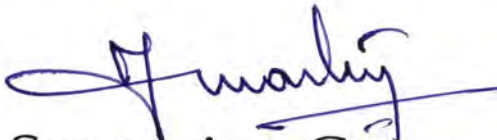
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**CERTIFICATE**

*This is to certify that Mr. / Ms. K.CHANDANASRI Roll No. 1602-22-732-315 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
Surveying Camp  
Coordinator

  
H.O.D.(Civil)



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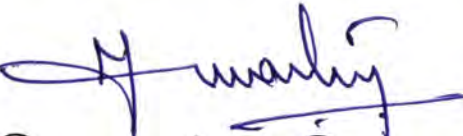
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**CERTIFICATE**

*This is to certify that Mr. / Ms. J. GORUL YADAV Roll No. 1602-22-732-316 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **22.07.2024** to **27.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

  
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## CERTIFICATE

*This is to certify that Mr. / Ms. A. ABHISHEK Roll No. 1602-21732-001  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from 15.07.2024 to 20.07.2024 in the academic year 2023-24  
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## CERTIFICATE

*This is to certify that Mr. / Ms. SK. ARMINA Roll No. 1602-22-732-006  
had successfully completed the assigned work on collecting data from the field in  
Surveying Camp during from 15.07.2024 to 20.07.2024 in the academic year 2023-24  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. A. PRATHIK KUMAR Roll No. 1602-22-732-030  
had successfully completed the assigned work on collecting data from the field in  
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**CERTIFICATE**

*This is to certify that Mr. / Ms. K. RAGHAVENDRA Roll No. 1602-21-732-031  
had successfully completed the assigned work on collecting data from the field in  
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## CERTIFICATE

*This is to certify that Mr. / Ms. B. SHASHANTH Roll No. 1602-22-732-041 had successfully completed the assigned work on collecting data from the field in Surveying Camp during from **15.07.2024 to 20.07.2024** in the academic year 2023-24 organized by the Department of Civil Engineering, Vasavi College of Engineering (A), Hyderabad - 500 031.*

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**CERTIFICATE**

*This is to certify that Mr. / Ms. Y. SHIVA NARAYANA Roll No. 1602-21-732-043  
had successfully completed the assigned work on collecting data from the field in  
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