

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama” Belagavi- 590018**



**MINI PROJECT REPORT ON**

**“STRUCTURAL ANALYSIS OF PROPOSED FLYOVER BRIDGE AT KAIKAMBA  
CONNECTING MANGALORE AND SOLAPUR NATIONAL HIGHWAY”**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**PRUTHVI M  
RAJU ANNAGERI**

**4AL21CV008  
4AL21CV009**

**Under the Guidance of  
Mr. SURENDRA P  
Assistant Professor**



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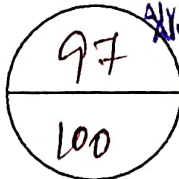
## Certificate

Certified that the project work entitled "STRUCTURAL ANALYSIS OF PROPOSED FLYOVER BRIDGE AT KAIKAMBA CONNECTING MANGALORE AND SOLAPUR NATIONAL HIGHWAY" is the bona-fide field work carried out by PRUTHVI M (4AL21CV008) and RAJU ANNAGIRI (4AL21CV009) in partial fulfillment for the award of Bachelor of engineering in civil of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirement in respect of mini project work prescribed for the said degree.

.....  
Mr. SURENDRA P

Project Guide

Marks:



.....  
Prof. B. Durgaprasad Baliga  
H.O.D.

Dept. Head of the Department  
Civil Engineering  
& Technology  
Alva's Inst.  
Mijar, Moodbidri - 574 225

Department of Civil Engineering  
Alva's Institute of Engineering & Technology  
Shobhavana Campus, Mijar  
Moodbidri, U.K.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi- 590018**



**MINI PROJECT REPORT ON  
"SHIFTING SANDS OF SASIHITHLU"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**PAVAN**

**4AL22CV403**

**SHAILESH KUMAR**

**4AL22CV404**

**Under the Guidance of**

**Dr. Vinay S**

**Associate Professor**

**DEPARTMENT OF CIVIL ENGINEERING**

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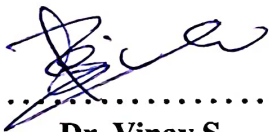
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Shobhavana Campus, Mijar, Moodbidri

DEPARTMENT OF CIVIL ENGINEERING

## Certificate

Certified that the project work entitled "SHIFTING SAND'S OF SASIHITHLU" is the bona- field work carried out by PAVAN (USN:4AL22CV403) & SHAIKESH KUMAR (USN:4AL22CV404) in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

  
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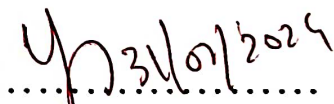
Dr. Vinay S

Project Guide

Marks:



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.

  
.....  
Prof. B. Durgaprasad Baliga  
H.O.D.  
Head of the Department  
Alva's Institute of Engineering  
& Technology



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi-590018**



**MINI PROJECT REPORT ON**

**"COMPARITIVE STUDY OF THE COMPRESSIVE STRENGTH OF  
CONCRETE USING NDT AND DESTRUCTIVE METHOD"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**MEHUL V BANGERA**

**4AL22CV401**

**NAGENDRA**

**4AL22CV402**

**Under the Guidance of**

**Mr. SANTHOSH K**

**Assistant Professor**

**Department of Civil Engineering**



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**MOODBIDRI -574225**

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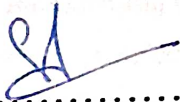
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### CERTIFICATE

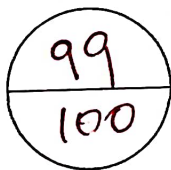
Certified that the Mini Project work entitled "COMPARITIVE STUDY OF THE COMPRESSIVE STRENGTH OF CONCRETE USING NDT AND DESTRUCTIVE METHOD" is the Bona-field work carried out by MEHUL V BANGERA, and NAGENDRA, bearing USN 4AL22CV401, 4AL22CV402 in Partial fulfilment for the award for Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024 it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirement in respect of Mini Project work prescribed as degree.



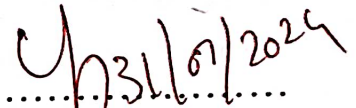
Mr. Santhosh K

Project Guide

Marks:



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODSIDRI - 574225, D.K.



Prof. B. Durgaprasad Baliga

H.O.D.

Head of the Department  
Dept. of Civil Engineering

Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama” Belagavi- 590018**

**MINI PROJECT REPORT ON  
“STUDY ON USE OF GRANITE WASTE IN THE PRODUCTION OF  
SUSTAINABLE CONSTRUCTION MATERIALS”**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**RASHEK**

**S V VINAYAKA BHANDARKAR**

**4AL21CV010**

**4AL21CV011**



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**Under the Guidance of  
Ms. ANUSHA B RAO**

**Assistant Professor**

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### **DEPARTMENT OF CIVIL ENGINEERING**

## **Certificate**

Certified that the project work entitled "STUDY ON USE OF GRANITE AND MARBLE WASTE IN THE PRODUCTION OF SUSTAINABLE CONSTRUCTION MATERIALS" is the bona- field work carried out by S V VINAYAKA BHANDARKAR bearing USN 4AL21CV011 and RASHEK bearing USN 4AL21CV010 in partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

.....  
**Ms. Anusha B Rao**

Project guide

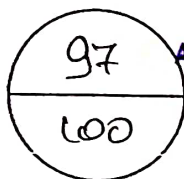
.....  
**Prof. B. Durgaprasad Baliga**

Head of the Department

Dept. of Civil Engineering

Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

**Marks:**



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi- 590018**



**MINI PROJECT REPORT ON**

**"Analysis and Design of a Multi-Storeyed [G + 4] Building using STAAD Pro"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**A. DHANUSH**

**4AL21CV001**

**Under the Guidance of**

**Mr. SURENDRA P**

**Associate Professor**



**DEPARTMENT OF CIVIL ENGINEERING**

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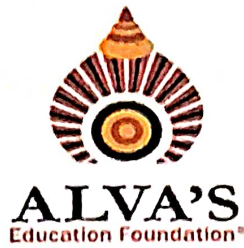
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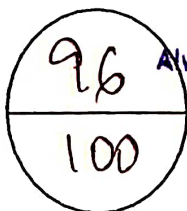
### Certificate

Certified that the project work entitled "Analysis and Design of a Multi-Storeyed [G + 4] Building using STAAD Pro" is the bona- field work carried out by A.DHANUSH bearing USN 4AL21CV001 in partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

.....  
**Mr. Surendra P**  
Project guide

.....  
**Prof. B. Durgaprasad Baliga**  
Head of the Department  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

Marks:



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.



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**MINI PROJECT REPORT ON**

**"GRAIN SIZE ANALYSIS OF NETHRAVATHI RIVER SAND"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**BINDYA G S**

**4AL21CV002**

**D S CHAITHRESH**

**4AL21CV003**

**Under the Guidance of  
Mr. SANTHOSH K**

**Assistant Professor**



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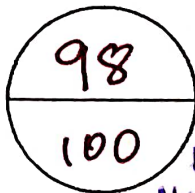
Certified that the project work entitled "GRAIN SIZE ANALYSIS OF NETHRAVATHI RIVER SAND" is the bona-fide work carried out by BINDYA G S bearing USN 4AL21CV002 and D S CHAITHRESH bearing USN 4AL21CV003 in partial fulfillment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.



.....  
Mr. Santhosh K

Project Guide

Marks:



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus Mijar  
MOODBIDRI - 574225, D.K.



.....  
Prof. B. Durgaprasad Baliga  
H.O.D.

Head of the Department  
Dept. of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

# **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

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## **MINI PROJECT REPORT ON “WATER QUALITY ANALYSIS OF AIET CAMPUS MIJAR MOODBIDRI”**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**NIRMITHA A S**

**4AL21CV005**

**LAISHRAM**

**SHEKHERCHANDRA**

**4AL21CV004**

**KHUMAN**

**Under the Guidance of**

**Dr. H G UMESHCHANDRA**

**Associate Professor**

**DEPARTMENT OF CIVIL ENGINEERING**



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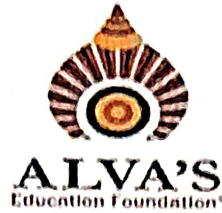
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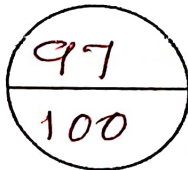
## DEPARTMENT OF CIVIL ENGINEERING

### Certificate

Certified that the Mini project work entitled "WATER QUALITY ANALYSIS OF AIET CAMPUS MIJAR MOODBIDRI" is the bona- field work carried out by NIRMITHA A.S and LAISHRAM SHEKHERCHANDRA KHUMAN bearing USN 4AL21CV005 and 4AL21CVO04 in partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirement in respect of mini project work prescribed for the said degree.

Dr. H G Umeshchandra  
Project Guide

Marks:



Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.

Prof. B. Durgaprasad Baliga  
Head of the Department

Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi- 590018**



**MINI PROJECT REPORT ON**

**"CONSISTANCY LIMITS OF SOIL"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**VAFA**

**4AL21CV014**

**GIRISH A S**

**4AL22CV400**

**Under the Guidance of  
Mr. SHANKARGIRI K S  
Assistant Professor**



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Shobhavana Campus, Mijar, Moodbidri

## DEPARTMENT OF CIVIL ENGINEERING

### Certificate

Certified that the project work entitled "CONSISTANCY LIMITS OF SOIL" is the bona-fide work carried out by VAFA bearing USN 4AL21CV014 and GIRISH A S bearing USN 4AL22CV400 in partial fulfillment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

.....  
Mr. Shankargiri K S

Project Guide

Marks:

97  
100

Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.

.....  
Prof. B. Durgaprasad Baliga  
H.O.D.  
Dept. Head of the Department  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi- 590018**



**MINI PROJECT REPORT ON  
"MAPING LANDSCAPE MODIFICATION OF GURUPURA  
CATCHMENT"**

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

**BACHELOR OF ENGINEERING**

**IN**

**CIVIL ENGINEERING**

**Submitted by**

**SUHAS K**

**4AL21CV013**

**SHREE DODDAMANI**

**4AL21CV012**

**Under the Guidance of  
Dr. VINAY S  
Associate Professor**



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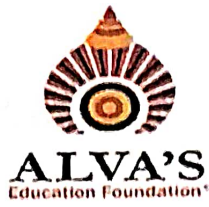
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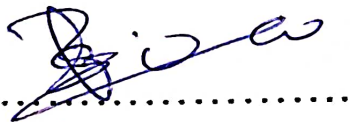
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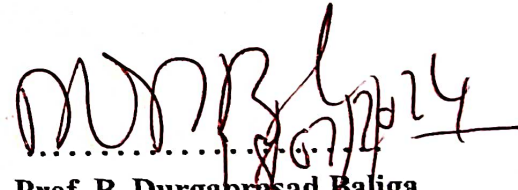
## Certificate

Certified that the Mini project work entitled "MAPING LANDSCAPE MODIFICATION OF GURUPURA CATCHMENT" is the bona- field work carried out by SUHAS K and SHREE DODDAMANI bearing USN 4AL21CV013 and 4AL21CVO12 in partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirement in respect of mini project work prescribed for the said degree.



Dr. Vinay S

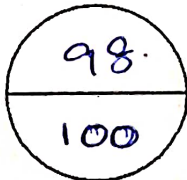
Project Guide



Prof. B. Durgaprasad Baliga  
H.O.D.

Department of Civil Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodbidri - 574 225

Marks:



Handwritten notes: 98%  
Doddman 60%

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Alva's Institute of Engg. & Technology  
Shobhavana Campus, Mijar  
MOODBIDRI - 574225, D.K.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**"Jnana Sangama" Belagavi- 590018**



**MINI PROJECT REPORT ON  
TRAFFIC SURVEY AND DESIGN OF TRAFFIC SIGNAL  
IN MOODABIDRI TOWN**

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

**BACHELOR OF ENGINEERING**

**IN**

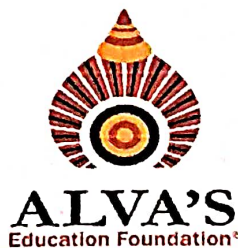
**CIVIL ENGINEERING**

**Submitted by**

**PRASHATH S  
PRAKHYATH**

**4AL21CV007  
4AL21CV006**

**Under the Guidance of  
Mr. SHANKARGIRI K S  
Assistant Professor  
DEPARTMENT OF CIVIL ENGINEERING**



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**Shobhavana Campus, Mijar, Moodbidri**

**2023-2024**



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

(Affiliated to Visvesvaraya Technological University, Belagavi. Approved by AICTE, New Delhi  
[Accredited by NAAC with A+ Grade & NBA (ECE & CSE)])

Shobhavana Campus, Mijar, Moodbidri

## DEPARTMENT OF CIVIL ENGINEERING

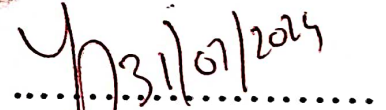
### CERTIFICATE

Certified that the mini project work entitled "**TRAFFIC SURVEY AND DESIGN OF TRAFFIC SIGNAL IN MOODABIDRI TOWN**" is the bona-fide work carried out by **PRASHANTH S (4AL21CV007)** and **PRAKHYATH(4AL21CV006)** in partial fulfilment for the award of Bachelor of engineering in civil engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024, it is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of mini project work prescribed for the said degree.



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Mr. Shankargiri K S

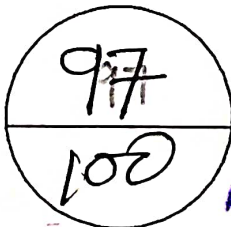
Project Guide



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Prof. B. Durgaprasad Baliga  
H.O.D.

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