

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

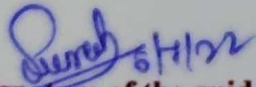
**(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)**



Department of Civil Engineering

CERTIFICATE

This is to certify that the project work entitled “STABILITY ANALYSIS OF CONCRETE GRAVITY DAM OF HIDAKAL DAM” which is being submitted by NAGARAJ PATIL 2SD18CV043, NAGARAJ NEMANNAVAR 2SD18CV044, VINAY PATIL 2SD18CV088, VISHAL I. M 2SD15CV098, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year 2021 – 22 has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.



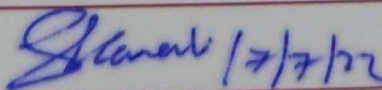
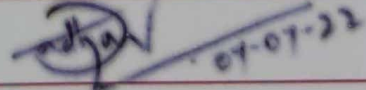
Signature of the guide
Mr. Suresh Hubballi



Signature of the HOD
Dr. U. D. Hakari



Signature of principal
Dr. K. Gopinath

	Examiner – I	Examiner - II
Signature with date	 17/7/22	 07-07-22
Name:	S. A. Karalli	Haresh A. Indhav



Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology
Dharwad – 580 002, Karnataka, India



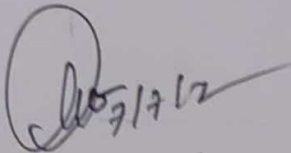
(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE New Delhi)

CERTIFICATE


DEPARTMENT OF CIVIL ENGINEERING

Certified that this project report entitled **EFFECT OF ADDITION OF TERRAZYME ENZYME ON PROPERTIES OF EXPANSIVE SOIL**. Which is being submitted by **Mr. M. TARUN, Mr. VEERESH G. D, Mr. KEERTHI KUMAR SM, Mr. PRATEEK G.G** bearing USN **2SD18CV28, 2SD18CV084, 2SD18CV020 AND 2SD18CV054** respectively in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

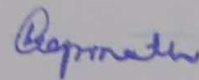
It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.


7/7/22

project ~~Internal~~ Guide
Prof. G.S. Majjagi



HOD
Dr. U. D. Hakari



Principal
Dr. K. Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. S.A Karali (Blanco) 7/7/22
2. Haisha A. Jadhav 07-07-22

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

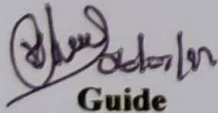
**(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)**



Department of Civil Engineering

CERTIFICATE

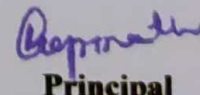
This is to certify that the project work entitled “EFFECTS OF GROUND GRANULATED BLAST FURNACE SLAG(GGBFS) AND RICE HUSK ASH TO INCREASE THE COMPRESSIVE STRENGTH OF CONCRETE” which is being submitted by MANOJ BYAKOD 2SD18CV034, PRADEEPKUMAR TANIKEDAR 2SD18CV052, VINAY S ILIGER 2SD18CV089, VISHAL T GHATGE 2SD18CV092, in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year 2021–22 has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.


Guide

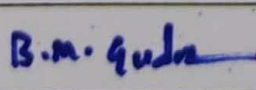
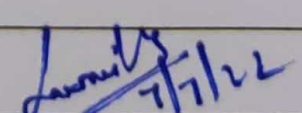
Asst prof. Sameer Chitnis


HOD

Dr. U. D. Hakari


Principal

Dr. K. Gopinath

	Examiner – I	Examiner - II
Signature with date		 7/7/22
Name:	B. M. Gude	Prof. Laxmi. Hattihadi

**S.D.M. COLLEGE OF ENGINEERING & TECHNOLOGY
DHAVALAGIRI, DHARWAD-580002**

(An Autonomous Institute Affiliated to VTU Belagavi)

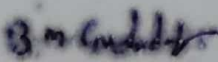


DEPARTMENT OF CIVIL ENGINEERING


CERTIFICATE

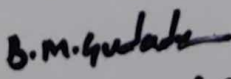
This is to certify that the Project work entitled **“PERFORMANCE BASED ANALYSIS OF FRAMED STRUCTURE CONSIDERING SOIL STRUCTURE INTERACTION”** is the original work carried out by the following students in partial fulfillment for the award of Degree in Civil Engineering at S.D.M. College of Engineering and Technology, Dharwad under Vishveshvaraya Technological University, Belgavi during the year 2021-22. The project report has been approved as it satisfies the academic requirements in respect to Project work prescribed for the Bachelor of Engineering degree.

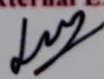
Sl.No.	Name of the Student	USN
1.	Amit T J	2SD18CV006
2.	Megha Vittalkar	2SD18CV039
3.	Shrenik U Doddamani	2SD18CV075
4.	Upeksha Naik	2SD18CV082


Prof. B. M. Gudadappanavar
Guide


Dr. U. D. Hakari
H.O.D


Dr. K Gopinath
Principal

Internal Examiner:
Signature: 
Name: Basavaraj's

External Examiner:

Prof. Laxmi. H

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD - 580002**

(An autonomous Institution affiliated VTU, Belagavi – 590018)



Department of civil Engineering

CERTIFICATE

Certified that the project work entitled “AN EXPERIMENTAL STUDY OF PARTIAL REPLACEMENT OF CEMENT BY BASALT FIBRE IN HIGHSTRENGTH CONCRETE” is an original work carried out by Ms. Rashmi. M [2SD16CV058], Ms. Nivedita Konaraddi [2SD17CV049], Mr. Rahul Jadhav [2SD17CV060] and Mr. Varun Kapali [2SD18CV088] in partial fulfilment for the award of degree of Bachelor of Engineering in civil Engineering of S.D.M. College of Engineering & Technology under Visvesvaraya Technological University, Belagavi during the year 2021-22.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Project Guide
Asst. Prof. Mamata.B.Mogali

HOD civil
Dr. U.D. Hakari

Principal
Dr. K. Gopinath

Sl. no	Name of the Examiner	Signature of the Examiner
1.	Basavaraj G	B.M.G
2.	Rashmi. H	7/7/22

2021-2022

SDME Society's

Shri Dharmasthala Manjunatheswara
College of Engineering and Technology
Dharwad-580002



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Mr. Abhishek Prafulla Prasad Pratik and his team has satisfactorily completed the Project on "ROAD SAFETY AUDITING AT BELGAUM KHANAPUR NATIONAL HIGHWAY STRETCH", for the partial fulfillment of eighth semester of Bachelor of Engineering in **CIVIL ENGINEERING**, for the year **2021- 2022**.

It is certified that all corrections/suggestions indicated have been incorporated In the report. The project has been approved as it satisfies the academic Requirements prescribed for the said degree.

Internal Guide

S. A. Kanalli

Prof. Shravan A
Kanalli
Assistant. Professor
SDMCET, Dharwad

External Guide

Pavan Kumar

Pavan Kumar
Senior Manager
InfoTrans, Hyderabad

HOD

U. D. Hakari

Dr. U.D Hakari

Principal

K. Gopinath

Dr. K Gopinath

1. S. A Kanalli / *S. A. Kanalli* / 7/7/22

2. Haisha A. Jadhav / *Haisha A. Jadhav*

09-07-22

S.D.M.E SOCIETY'S

**SHRI DHARMASTHALA MANJUNATHESHWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY**

DHAVALAGIRI, DHARWAD-580002

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU BELGAUM)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "AQUIFER CHARACTERIZATION AND GROUND WATER DYNAMICS FOR IDENTIFICATION OF RECHARGE POTENTIAL ZONE IN BENNEHALLA SUB WATERSHED" Dharwad District, Karnataka, India, is an original work Carried out by Mr. VINAYAK P BHUSNUR (2SD18CV091), Mr. PRASHANT M IMADI (2SD19CV405) and Mr. VISHAL M MALEPPANAVAR (2SD19CV408) towards partial fulfilment for the award of degree in bachelor of civil engineering by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021- 2022.

The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.

V.S Hegde

GUIDE

Dr. U.D. HAKARI

HOD

EXAMINORS

Dr. K. GOPINATH

PRINCIPAL

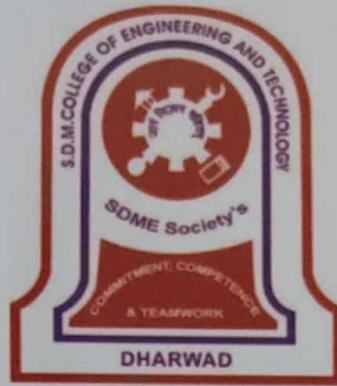
NAME

1. S. A. Karatik
2. Haisha A. Jadhav

SIGNATURE

06-07-22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,**



**DEPARTMENT OF CIVIL ENGINEERING
CERTIFICATE**

Certified that the project work entitled “ANALYSIS AND DESIGN OF REINFORCED CONCRETE BEAMS AND COLUMNS USING OPENSTAAD” is an original work carried out by **AKASH WAGHMODE (2SD18CV003), ASIFALI MALLIK (2SD16CV012)** in the fulfillment for award degree of bachelor of engineering in civil of sdm college of engineering and technology under the visvesvaraya technological university, belagavi during the year 2021-2022. the project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the engineering degree.

Signature of the guide

Dr. R.J.FERNANDES

Signature of the HOD

Dr.U.D.HAKARI

Signature of the Principal

Dr.K.GOPINATH

	Examiner-1	Examiner-2
Signature with date		
Name	Basavaraj	Prof. Anand

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**TRANSLUCENT CONCRETE USING OPTICAL FIBER**” which is being submitted by Shreeyash Gaonkar (2SD17CV075), B Mohammed Adil Ali (2SD18CV010), Nihal V Shetty (2SD18CV046), Sahan Hittalamani (2SD18CV064) in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year 2021 – 22 has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.

Signature of the guide
Dr. D. K. Kulkarni

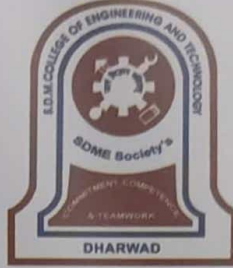
Signature of the HOD
Dr. U. D. Hakari

Signature of the Principal
Dr. K. Gopinath

	Examiner – I	Examiner - II
Name	Basuvarajy	Prof. Laxmi. H
Signature with date	B.M.Gul	Laxmi 4/7/22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)

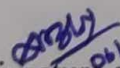



CERTIFICATE

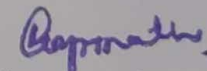
Department of Civil Engineering

Certified that this project report entitled **EXPERIMENTAL STUDY OF SEWAGE TREATMENT IN REMOTE AREAS OF GADAG** which is being submitted by **Mr. KHALILULLA HUSSAINI, Mr. SUNILGOUDA M.K, Mr. R.V.BHARGAVKUMAR, Mr. AKASH V.HALKAI** bearing USN **2SD18CV021, 2SD17CV082, 2SD17CV058, 2SD17CV011** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

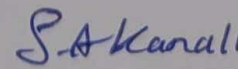
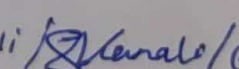
It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed, or conclusion drawn therein but approve the project only for the purpose for which it is submitted.

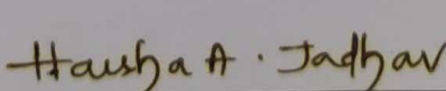


Signature of Guide
Ms. Akshata Bandi


Signature of HOD
Dr. U. D. Hakari


Signature of principal
Dr. K. Gopinath

SEMESTER END EXAM JUNE-JULY 2022

1. Examiners  /  / 6/7/22

2.  /  / 06-07-22



Shri Dharmasthala Manjunatheshwara College
of Engineering & Technology

Dharwad – 580 002, Karnataka, India

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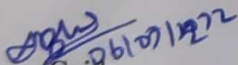


CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **WATERSHED CHARACTERSTIC: IMPLICATION FOR SURFACE WATER MANAGEMENT** which is being submitted by **Mr. VISHWANATH ADARAKATTI, Mr. SHARAN DODAWAD, Mr. NITIN DESAI and Mr. MALAKANAND KALAMANDARGI** bearing USN **2SD18CV093, 2SD18CV070, 2SD18CV048 and 2SD18CV030** respectively in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

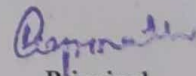
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Guide

Ms. Akshata Bandi


HOD

Dr. U. D. Hakari


Principal

Dr. K. Gopinath

SEMESTER END EXAM JULY 2022

Examiners

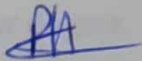
1. S. Akkanali Sharan 7/7/22

2. Hausha Jadhav 07-07-22

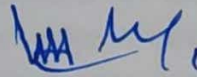
Department of Civil Engineering
SDM College of Engineering and Technology, Dharwad-580002
S.D.M.COLLEGE OF ENGINEERING AND TECHNOLOGY
DHARWAD-580002

DEPARTMENT OF CIVIL ENGINEERING**CERTIFICATE**

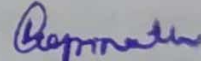
This is to certify that the major project work entitled “**DESIGN OF SEWAGE TREATMENT PLANT FOR KALAGHATAGI TOWN**” is an original work carried out by **Brahmananda B(2SD18CV012)**, **Mahesh naik(2SD18CV029)**, **Mallikarjun H(2SD18CV031)**, **Sawan kothari(2SD18CV069)**. in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M. College of Engineering & Technology under the Visvesvaraya Technology University, Belgaum during the year 2022. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the Bachelor of Engineering Degree.


Project guide

Asst. Prof. Smt. Pooja Hukkeri

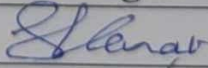
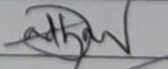

HOD

Dr. U. D. Hakari


Principal

Dr.K.Gopinath

Name and signature of the Examiners:

Sl.No	Name	Signature
1.	S. A Karali	
2.	Harsha A. Jadhav	 06-07-22



Shri Dharmasthala Manjunatheshwara College
of Engineering & Technology

Dharwad – 580 002, Karnataka, India

(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE New Delhi)



CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **ECONOMICAL AND PROTABLE WATER SUPPLY TO ANGADI VILLAGE KARWAR, KARNATAKA** which is being submitted **Mirnal Ghodake, Akash u, Rakesh Kapnoor, Saurav Shetty** bearing USN **2SD17CV044, 2SD17CV010, 2SD17CV063 and 2SD17CV70** respectively in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Guide

Asst. Prof. Pooja hukkeri

HOD

Dr. U. D. Hakari

Principal

Dr. K. Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. S. A. Karalki 6/7/22

2. Hausha A. Jadhav adhw
06-07-22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)



CERTIFICATE

Department of Civil Engineering

This is to certify that this project report entitled **Experimental behaviour of waste tyre rubber as concrete aggregates** which is being submitted by **Shaunak Kauthankar (2SD16CV026), Yallappa Kalleshani (2SD16CV089), Lata Naragund (2SD18CV024), Akshata Billav (2SD18CV004)** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Kushal
7/7/22
Guide

Asst.Prof. Kushal Kapali

U D Hakari

HOD
Dr. U D Hakari

K. Gopinath

Principal
Dr. K.Gopinath

SEMESTER END EXAM JUNE-JULY 2022

Examiners

1. *B.M. Gudab*

2.

Laxmihis
7/7/22



Shri Dharmasthala Manjunatheshwara College
of Engineering & Technology

Dharwad – 580 002, Karnataka, India

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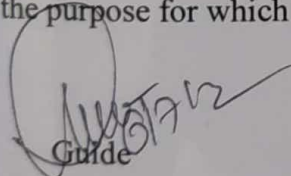



CERTIFICATE

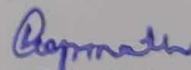
Department of Civil Engineering

Certified that this project report entitled **SOIL LIQUEFACTION ASSESSMENT OF DHARWAD REGION BASED ON STANDARD PENETRATION TEST (SPT) AND SOIL GRADIATION VALUE** which is being submitted by **Mr. ABHISHEK H NAIK, Mr. LINGARAJ B KARADI, Mr. BHARAT P VARUR and Mr. MANOJ H DANDIN** bearing **USN 2SD17CV002, 2SD18CV026, 2SD18CV011 and 2SD18CV035** respectively in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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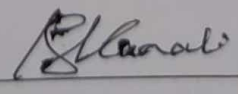


Guide
Prof. G.S. Majjagi


HOD
Dr. U. D. Hakari


Principal
Dr. K. Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. S. A. Karali  6/7/22.
2. Haisha A. Jadhav  06-07-22

S.D.M. College of Engineering & Technology

Dharwad – 580002

(An autonomous Institution affiliated to Visvesvaraya Technological University,
Belagavi-590018)



Department of Civil Engineering

CERTIFICATE

This is to certify that Mr. Srinivas (2SD16CV078), Mr. Akshay Kumar Mirji (2SD18CV005), Mr. M Rakesh (2SD18CV027), Mr. Niranjana A T (2SD18CV047), Students of 8th Semester has satisfactorily completed the Major Project Phase-2 entitled "RISK BASED SAFETY ASSESSMENT OF HIDKAL DAM DUE TO OVERTOPPING" submitted to the Department of Civil Engineering, SDM College of Engineering and Technology, Dharwad – 580 002, for the partial fulfillment of the Degree.

Suresh
5/7/22

Mr. Suresh Hubballi,
Assistant Professor
Dept. of Civil Engineering,
SDMCET, Dharwad - 02

U D Hakari

Dr. U D Hakari.,
Head of Dept. of Civil
Engineering,
SDMCET, Dharwad - 02

K. Gopinath

Dr. K. Gopinath,
Principal,
SDMCET, Dharwad - 02

	Examiner-I	Examiner-II
Signature with date	<i>S. A. Karale</i> 6/7/22	<i>Harsha A. Jadhav</i> 06/07/22
Name	S. A. Karale	Harsha A. Jadhav

S.D.M.E SOCIETY'S

**SHRI DHARMASTHALA MANJUNATHESHWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY**

DHAVALAGIRI, DHARWAD-580002

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU BELGAUM)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**SEISMIC ANALYSIS OF COMPOSITE SHEAR WALL, WITH OR WITHOUT SHEAR WALL CONSIDERING SOIL STRUTURE INTERACTION**” is an original work Carried out by Ms. S UMA (2SD18CV061), Mr. ADITYA BAGADE (2SD19CV400), Mr.ZAINULABIDIN TASGAONKAR (2SD19CV409) and Mr. ABHISHEK N K (2SD17CV003) towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021- 2022.The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.

Kushal
6/7/22
Asst.Prof. KUSHAL KAPALI
GUIDE

U.D. Hakari
Dr. U.D.HAKARI
HOD

K. Gopinath
Dr. K GOPINATH
PRINCIPAL

Examiners

	Examiner 1	Examiner 2
Signature with date:	<i>B.M. Gubb</i>	<i>L. M. Hattibek</i> <i>7/7/22</i>
Name:	<i>Basava G</i>	<i>Prof. L. M. Hattibek</i>

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)



Department of Civil Engineering

CERTIFICATE

This is to certify that the project work entitled “**experimental study of green concrete by using ferrock**” which is being submitted by Sharankumar.U.Bidimani (2SD1C8V072), Kartik.Jadimath (2SD18CV019), Pritam.R.Gadag (2SD18CV055), Aditya.S.Hedge (2SD18CV002) in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year 2021 – 22 has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.

Signature of the guide
Asst.prof. Mamata.B.Mogali

Signature of the HOD
Dr.U.D. Hakari,

Signature of the Principal
Dr.K. Gopinath

	Examiner – I	Examiner - II
Signature with date		
Name:	Basavaraj S	Prof. Laxmi. H

S.D.M COLEGE OF ENGINEERING AND TECHNOLOGY,

Dharwad, Karnataka-580002

(An Autonomous under Visvesvaraya Technology University, Belagavi)





Department of Civil Engineering

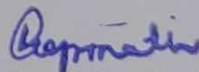
CERTIFICATE


Certified that the project entitled "Rectification of Blackspots on Dharwad-Belgaum National Highway NH 48 (NH 4)" stretch is carried out by **Geeta S Ballari Mulimani (2SD18CV095)**, **Mahesh B Kondekar(2SD19CV404)**, **Mayur S Naik(2SD18CV036)**, **Prachi R Kalekar(2SD18CV051)** student of **SDM College of Engineering and Technology, Dharwad** can be considered as a bonafied work for partial fulfilment for the award of **Bachelor of Engineering in Civil Engineering**.

It is certified that all corrections/suggestions indicated have been incorporated in the report. The project has been approved as it satisfies the academic requirements prescribed for the said Degree


Prof. S.A. Kanalli
Internal guide

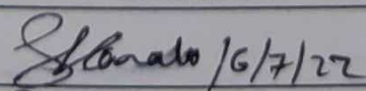
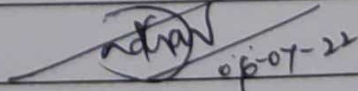

Dr. U D Hakari
HOD


Dr. K Gopinath
Principal


Suresh H

Theme Engineering Services Pvt.Ltd

External Guide

	Examiner 1	Examiner 2
Signature with date:	 / 6/7/22	 06-07-22
Name:	S. A Kamalli	Dauscha A. Jadhav

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD - 580002**

(An autonomous Institution affiliated VTU, Belagavi – 590018)



Department of civil Engineering

CERTIFICATE

Certified that the project work entitled “**COMPARATIVE STUDY OF AGRICULTURAL SOLID WASTE AS SUPPLEMENT TO CEMENT**” is an original work carried out by **Mr. RAJU.S.KOMAR [2SD18CV060]**, **Mr. SAGAR JAGANNATH [2SD18CV062]**, **Mr. SHRAYANSH.N.REDDY [2SD18CV074]** and **Mr. SOMANATH REDDY[2SD18CV079]** in partial fulfilment for the award of degree of **Bachelor of Engineering in civil Engineering** of **S.D.M. College of Engineering & Technology under Visvesvaraya Technological University, Belagavi** during the year **2021-22**. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Project Guide

Asst. Prof. Mamata.B.Mogali

HOD civil

Dr. U.D. Hakari

Principal

Dr. K. Gopinath

Sl. no	Name of the Examiner	Signature of the Examiner
1.	Basavarajy	B.M.S
2.	Prof. Laxmi, H	21/7/22

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

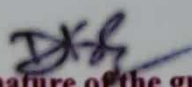
**(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)**

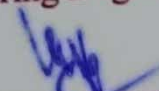


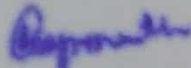
Department of Civil Engineering

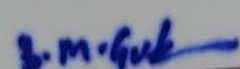
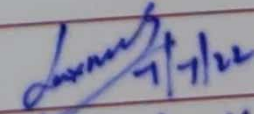
CERTIFICATE

This is to certify that the project work entitled “An Experimental Investigation On The Characteristics Behaviour Of HDPE Fiber Reinforced Concrete With And Without Wrapping Of Geo-Textile Fiber” which is being submitted by **Annapurna K Hanchinamani (2SD18CV007), Arpita B Honnalli (2SD18CV008), Priyanka Morab (2SD18CV056), Rajeshwari S Nagaral (2SD18CV059)** in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year **2021 – 22** has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.


Signature of the guide
Dr. D. K. Kulkarni


Signature of the HOD
Dr. U. D. Hakari


Signature of the Principal
Dr. K. Gopinath

	Examiner – I	Examiner - II
Signature with date		 7/7/22
Name:	Basavaraj	Prof. Anami. Hattihale



SDME Society's

**Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology,
Dharwad – 580002, Karnataka, India**



(An Autonomous Institution Affiliated to VTU Belagavi & Recognized by
AICTE New Delhi)

CERTIFICATE

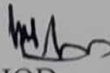
Department of Civil Engineering

Certified that this project report entitled “**EFFECT OF EGYPTIAN PYRAMIDS ON MICRO ORGANISMS**” which is being submitted by **FARHANA B. TAHASILDAR(2SD18CV015), KRUTIKA N. TIGADI (2SD18CV023), POOJA S. SAGAR (2SD18CV050), SUPRITA F. HUGAR (2SD18CV081)** in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-2022** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

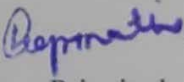
It is further understood that by this certificate the undersigned does not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.


Guide

Prof. K.V. PRAMOD


HOD

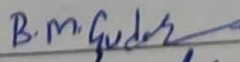
Dr. U. D. HAKARI

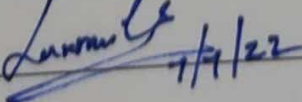

Principal

Dr. K. GOPINATH

SEMESTER END EXAM 2021-22

Examiners

1. 

2. 

**SDM COLLEGE OF ENGINEERING AND TECHNOLOGY,
DHARWAD-580002**

(An Autonomous Institution affiliated to Visvesvaraya Technological
University, Belagavi – 590018)



Department of Civil Engineering

CERTIFICATE

This is to certify that the project work entitled “An Experimental Investigation On The Characteristics Behaviour Of HDPE Fiber Reinforced Concrete With And Without Wrapping Of Basalt Fiber” which is being submitted by Rohan R. Chaluvayya(2SD17CV067), Arunkumar (2SD18CV009), Sagar Rathod (2SD18CV063), Vaibhav.Kumar.Khot (2SD19CV407) in partial fulfillment for the award of degree of Bachelor of Engineering in Civil Engineering of S.D.M. College of Engineering and Technology under the Visvesvaraya Technological University, Belagavi during the year 2021 – 22 has been approved it satisfies the academic requirements in respect of Major Project report which is prescribed for the Bachelor of Engineering Degree.

B.M. Gudde
Signature of the guide
Asst.prof. Basavaraj.G

[Signature]
Signature of the HOD
Dept. of Civil Engineering
S.D.M. College of Engg. & Tech
Dharwad-580002

[Signature]
Signature of the Principal
Dr.K. Gopinath

	Examiner - I	Examiner - II
Signature with date	<i>B.M. Gudde</i>	<i>[Signature]</i> 6/1/22
Name:	Basavaraj.G	Prof. Luxmi. Hattihalli

S.D.M.E SOCIETY'S

**SHRI DHARMASTHALA MANJUNATHESHWARA
COLLEGE OF ENGINEERING AND TECHNOLOGY**

DHAVALAGIRI, DHARWAD-580002

(AN AUTONOMOUS INSTITUTION AFFILIATED TO VTU BELGAUM)



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "IDENTIFICATION OF POTENTIAL AREAS FOR GROUND WATER RECHARGE IN SEMI-ARID LOW RAIN FALL REGIONS" (A case study of Harapanahalli), Vijayanagara District, Karnataka, India, is an original work Carried out by **Miss. LAXMI R KAPPATHMATH (2SD19CV403)**, **Miss. G V PRUTHVI (2SD19CV402)**, **Miss. RADHIKA S KAVALI (2SD19CV406)** and **Miss. AKSHATA BABASA MEHARWADE (2SD19CV401)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021- 2022. The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.

V.S Hegde
GUIDE

Dr. U.D.HAKARI
HOD

Dr. K GOPINATH
PRINCIPAL

EXAMINERS

NAME

1. S. A Karali
2. Hanish A Indhyar

SIGNATURE

06-07-22



Shri Dharmasthala Manjunatheshwara College
of Engineering & Technology

Dharwad – 580 002, Karnataka, India

(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE New Delhi)

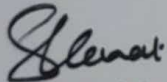


CERTIFICATE

DEPARTMENT OF CIVIL ENGINEERING

Certified that this project report entitled **PAVEMENT EVALUATION OF DHARWAD-BELGAUM NATIONAL HIGHWAY STRETCH USING BUMP INTEGRATOR AND NETWORK SURVEY VEHICLE** which is being submitted by **Ms. PARVATI DHARIGOUDA, Mr. RAJAT RAIKAR, Mr. SUDARSHAN SURYAVANSHI and Ms. NANDA UMACHAGI** bearing USN **2SD18CV049, 2SD18CV058, 2SD18CV080 and 2SD18CV045** respectively in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.



Internal Guide
Prof. S.A. Kanalli



HOD
Dr. U. D. Hakari



Principal
Dr. K. Gopinath



External Guide
Mr. Suresh H

Theme Engineering Services Pvt. Ltd.

SEMESTER END EXAM JULY 2022

Examiners

1. S.A. Kanalli / 18/7/22
2. Dr. U. D. Hakari / 18/7/22



Shri Dharmasthala Manjunatheshwara College
of Engineering & Technology

Dharwad – 580 002, Karnataka, India

(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE New Delhi)



CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **ANALYSIS AND PREVENTIVE MEASURES FOR ACCIDENTS ON CRITICAL ZONES ON EXISTING TRANSPORT SYSTEM** Case study: **Hubli-Dharwad Bus Rapid Transit System** which is being submitted by Mr. Mohammed Omar Arab, Ms. Deepa Muttinapendimath, Mr. Sharan Somakkanavar, Ms. Akshata Gudadinni bearing USN 2SD18CV041, 2SD18CV042, 2SD18CV071 and 2SD18CV094 respectively in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.

Guide

Asst.Prof. P M Sakare

HOD

Dr. U. D. Hakari

Principal

Dr. K. Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. S. A. Karali B. Karali 17/7/22
2. Aashya A. Jadhav adhav 17-07-22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)

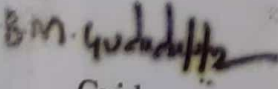



CERTIFICATE


Department of Civil Engineering

Certified that this project report entitled **Study of Structural Feasibility of Existing Building** which is being submitted by **Mr. Mohammed Mateen Peerzade** bearing USN **2SD18CV040** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.

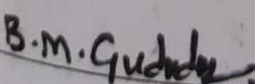

Guide
Asst. Prof. Basavaraj G


HOD
Dr. U D Hakari


Principal
Dr. K. Gopinath

SEMESTER END EXAM JUNE-JULY 2022
USN: 2SD18CV040

Examiners

1. 

2. 
6/7/22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)

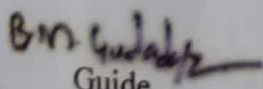



CERTIFICATE

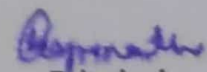
Department of Civil Engineering

Certified that this project report entitled **Study of Structural Feasibility of Existing Building** which is being submitted by **Mr.Samarth Sunil Tembadmani** bearing USN **2SD18CV065** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.


Guide
Asst.Prof.Basavaraj G

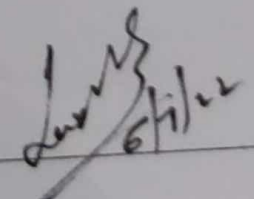

HOD
Dr. U D Hakari


Principal
Dr. K. Gopinath

SEMESTER END EXAM JUNE-JULY 2022
USN: 2SD18CV065

Examiners

1. 

2. 

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)

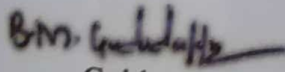


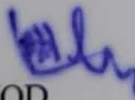
CERTIFICATE

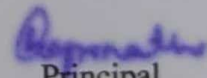
Department of Civil Engineering

Certified that this project report entitled **Study of Structural Feasibility of Existing Building** which is being submitted by **Miss. Vidya Khanure** bearing USN **2SD18CV085** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.

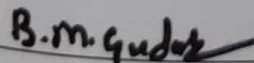

Guide
Asst.Prof.Basavaraj G


HOD
Dr. U D Hakari


Principal
Dr. K. Gopinath

SEMESTER END EXAM JUNE-JULY 2022
USN: 2SD18CV085

Examiners

1. 

2. 
6/7/22

**SHRI DHARMASTHALA MANJUNATHESHWARA COLLEGE OF
ENGINEERING AND TECHNOLOGY, DHARWAD, KARNATAKA,
INDIA.**

(An Autonomous Institute Affiliated to VTU Belagavi)

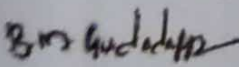


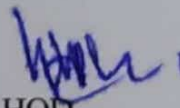
CERTIFICATE

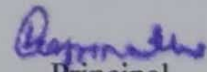
Department of Civil Engineering

Certified that this project report entitled **Study of Structural Feasibility of Existing Building** which is being submitted by **Mr. Vinayak B** bearing USN **2SD18CV090** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under our guidance. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned do not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.


Guide
Asst. Prof. Basavaraj G



HOD
Dr. U D Hakari


Principal
Dr. K. Gopinath

SEMESTER END EXAM JUNE-JULY 2022
USN: 2SD18CV090

Examiners

1. 

2. 

**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**REPLACEMENT OF RIVER SAND BY MANUFACTURED-SAND IN FERROCEMENT APPLICATION**”, is an original work Carried out by **SRINIVAS MANUPATI (2SD16CV079)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University (VTU) Belgaum) during the year 2021-2022.

The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.

Asst. Prof. P.M.Sakare

Signature of the Guide

Dr. U D Hakari

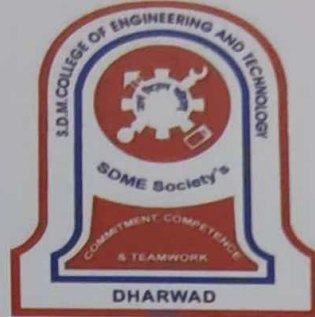
Signature of the H.O.D

Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:	B. M. Gude	Prof. Lakshmi. H

**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled "REPLACEMENT OF RIVER SAND BY MANUFACTURED-SAND IN FERROCEMENT APPLICATION", is an original work carried out by **KARTIK MAGUNDANAVAR (2SD16CV093)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University (VTU) Belgaum) during the year 2021- 2022.

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Asst. Prof. P.M. Sakare

Signature of the Guide

Dr. U D Hakari

Signature of the H.O.D

Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:	B. M. Gudde	Prof. Lakshmi. H

**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**

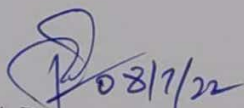


DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE


This is to certify that the project work entitled "REPLACEMENT OF RIVER SAND BY MANUFACTURED-SAND IN FERROCEMENT APPLICATION", is an original work Carried out by **JEEVAN KUMAR M (2SD16CV095)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University (VTU) Belgaum) during the year 2021-2022.

The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.



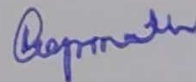
Asst. Prof. P.M.Sakare

Signature of the Guide



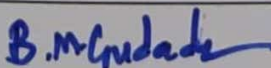
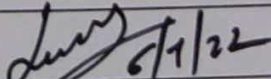
Dr. U D Hakari

Signature of the H.O.D



Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:	Basavaraj S	Prof. Laxmi H

**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**REPLACEMENT OF RIVER SAND BY MANUFACTURED-SAND IN FERROCEMENT APPLICATION**”, is an original work Carried out by **SOURABH MALAGAR (2SD18CV414)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021-2022.

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Asst. Prof. P.M.Sakare

Signature of the Guide

Dr.U D Hakari

Signature of the H.O.D

Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:	Basavaraj G	Prof. Laxmi. H

SDME Society's

Shri Dharmasthala Manjunatheshwara College of
Engineering & Technology, Dharwad – 580 002, Karnataka,
India

(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE, New Delhi)



CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **STABILIZATION OF BLACK COTTON SOIL USING E-WASTE** which is being submitted by **RAJENDRAGOUDA PATIL** bearing USN **2SD15CV054**, in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned does not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.

Guide

Dr. U. D. Hakari

HOD

Dr. U. D. Hakari

Principal

Dr. K Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. S. A Karali Bhakar 17/7/22

2. Haisha A. Jadhav adhar 10-07-22

SDME Society's



**Shri Dharmasthala Manjunatheshwara College of
Engineering & Technology, Dharwad – 580 002, Karnataka,
India**



**(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE, New Delhi)**

CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **STABILIZATION OF BLACK COTTON SOIL USING E-WASTE** which is being submitted by **MAHARAJ LAVAPPA HULAGUR** bearing **USN 2SD16CV031**, in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Guide

Dr. U. D. Hakari

HOD

Dr. U. D. Hakari

Principal

Dr. K Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. _____

2. _____

SDME Society's



Shri Dharmasthala Manjunatheshwara College of
Engineering & Technology, Dharwad – 580 002, Karnataka,
India



(An Autonomous Institution Affiliated to VTU Belagavi &
Recognized by AICTE, New Delhi)

CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **STABILIZATION OF BLACK COTTON SOIL USING E-WASTE** which is being submitted by **YASHWANT I KALAPPANAVAR** bearing **USN 2SD16CV090**, in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Guide

Dr. U. D. Hakari


HOD

Dr. U. D. Hakari


Principal

Dr. K Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. _____

2. _____

SDME Society's



Shri Dharmasthala Manjunatheshwara College of
Engineering & Technology, Dharwad – 580 002, Karnataka,
India

(An Autonomous Institution Affiliated to VTU Belagavi &
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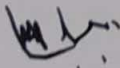


CERTIFICATE

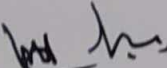
Department of Civil Engineering

Certified that this project report entitled **STABILIZATION OF BLACK COTTON SOIL USING E-WASTE** which is being submitted by **MANJAI D SINGNATH** bearing **USN 2SD17CV041**, in partial fulfilment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

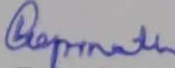
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Guide

Dr. U. D. Hakari


HOD

Dr. U. D. Hakari


Principal

Dr. K Gopinath

SEMESTER END EXAM JULY 2022

Examiners

1. _____

2. _____



SDME Society's

**Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology,
Dharwad – 580002, Karnataka, India.**



(An Autonomous Institution Affiliated to VTU Belagavi & Recognized by AICTE New Delhi)

CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **INSTALLATION OF RMC PLANT** which is being submitted by **MANJUNATH CHANNABASAPPA KUMBAR** bearing USN **2SD17CV042** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Guide

Prof. K.V. PRAMOD

HOD

Dr. U. D. HAKARI

Principal

Dr. K. GOPINATH

SEMESTER END EXAM 2022

USN: 2SD17CV042

Examiners

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2.



SDME Society's
Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology,
Dharwad – 580002, Karnataka, India.



(An Autonomous Institution Affiliated to VTU Belagavi & Recognized by AICTE New Delhi)

CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **INSTALLATION OF RMC PLANT** which is being submitted by **MOHAMMED SHAHID H NADAF** bearing USN **2SD17CV043** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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Guide

Prof. K.V. PRAMOD

HOD

Dr. U. D. HAKARI

Principal

Dr.K.GOPINATH

SEMESTER END EXAM 2022

USN: 2SD17CV043

Examiners

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SDME Society's

**Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology,
Dharwad – 580002, Karnataka, India.**



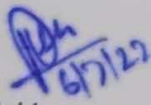
(An Autonomous Institution Affiliated to VTU Belagavi & Recognized by AICTE New Delhi)

CERTIFICATE

Department of Civil Engineering

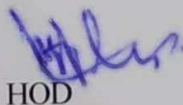
Certified that this project report entitled **INSTALLATION OF RMC PLANT** which is being submitted by **SHRINATH H KULKARNI** bearing USN **2SD17CV077** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

It is further understood that by this certificate the undersigned does not endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the project only for the purpose for which it is submitted.


6/7/22

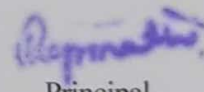
Guide

Prof. K.V. PRAMOD



HOD

Dr. U. D. HAKARI



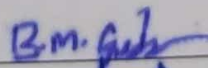
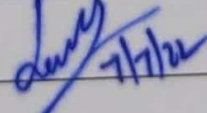
Principal

Dr. K. GOPINATH

SEMESTER END EXAM 2022

USN: 2SD17CV077

Examiners

1.  _____
2.  _____



SDME Society's

**Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology,
Dharwad – 580002, Karnataka, India.**



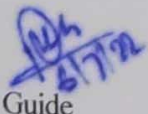
(An Autonomous Institution Affiliated to VTU Belagavi & Recognized by AICTE New Delhi)

CERTIFICATE

Department of Civil Engineering

Certified that this project report entitled **INSTALLATION OF RMC PLANT** which is being submitted by **SUMANTH CH** bearing USN **2SD17CV080** in partial fulfillment for the award of BE degree in **Civil Engineering** during the year **2021-22** is a record of student's own work carried out under my guidance. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated and one copy of it being deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

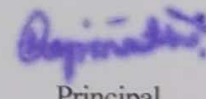
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Guide

Prof. K.V. PRAMOD


HOD

Dr. U. D. HAKARI

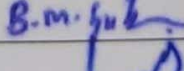

Principal

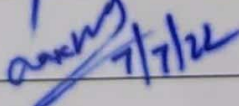
Dr. K. GOPINATH

SEMESTER END EXAM 2022

USN: 2SD17CV080

Examiners

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**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**

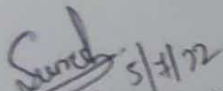


DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**CBR IMPROVEMENT OF CLAYEY SOIL WITH GEO-GRID REINFORCEMENT**”, is an original work Carried out by by **G SAI BHARGAVI (2SD18CV016)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021- 2022.

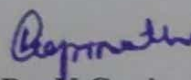
The project report has been approved as it satisfies the academic requirements in respect of project prescribed for the bachelor of engineering degree.


Asst. Prof. S.S.Hubballi

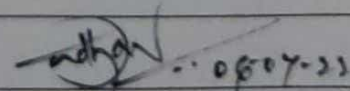
Signature of the Guide


Dr. U D Hakari

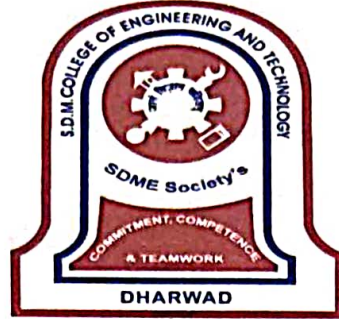
Signature of the H.O.D


Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		 08/07/22
Name:		Harekrishna A. Jadhav

S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD - 580001



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**CBR IMPROVEMENT OF CLAYEY SOIL WITH GEO-GRID REINFORCEMENT**”, is an original work Carried out by by **CHAITRA (2SD18CV013)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU) Belgaum) during the year 2021- 2022.

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Asst. Prof. S.S. Hubballi


Signature of the Guide


Dr. U D Hakari

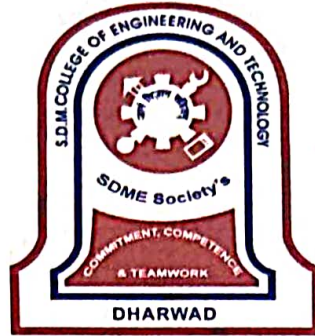
Signature of the H.O.D


Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:		Thiruvengadam A. Jadhav

S.D.M. COLLEGE OF ENGINEERING AND TECHNOLOGY, DHARWAD - 580001



DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled “**CBR IMPROVEMENT OF CLAYEY SOIL WITH GEO-GRID REINFORCEMENT**”, is an original work Carried out by by **MEGHA (2SD18CV038)** towards partial fulfilment for the award of degree in bachelor of civil engineering by **Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad**, (An Autonomous Institute under Vishvesvaraya Technological University(VTU Belgaum) during the year 2021- 2022.

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Asst. Prof. S.S. Hubballi

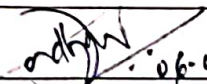
Signature of the Guide


Dr. U D Hakari

Signature of the H.O.D


Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:		HANUMANTH A. JADHAV

**S.D.M. COLLEGE OF ENGINEERING AND
TECHNOLOGY, DHARWAD - 580001**



DEPARTMENT OF CIVIL ENGINEERING

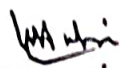
CERTIFICATE

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Asst. Prof. S.S. Hubballi

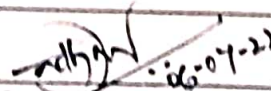
Signature of the Guide


Dr. U D Hakari

Signature of the H.O.D


Dr. K Gopinath

Signature of the Principal

	Examiner-1	Examiner-2
Signature with Date:		
Name:		Darsha A. Jadhav