

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the seminar "Time Series Analysis Of Mangroves Of Sita River Basin Udupi district Using Geospatial Techniques" is a bonafide work carried out by

KRUTHIK R

1KG16CV027

HARSHITH BABU N

1KG17CV012

HARSHITHA V

1KG17CV013

KAVYAPRIYA J

15/2/201

1KG17CV016

In partial fulfillment for the award of Bachelor of Engineering Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2020-2021. It is certified that all the suggestions indicated during internal assessment have been incorporated.

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Dr. K. Rama Narasimha

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Head Dept. of Civil

..., KSSEM NARASIMHA Principal/Director

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Department of Civil Engineering

Certificate

This is to certify that the project work entitled "Feasibility studies on geopolymer concrete structural elements with bamboo reinforcement for rural housing" is a bonafide work carried out by

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In partial fulfilment for the award of "Bachelor of Engineering in Civil Engineering" of Visvesvaraya Technological University, Belgaum, during the year 2020-21. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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This is to certify that the project work entitled "DEVELOPMENT OF DAVANAGERE AS SMART CITY" is a bonafide work carried out by

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the Project work entitled "Morphometric Analysis Using SRTM-DEM, GIS of Kali River Basin" is a bonafide work carried out by

KRUPA L 1KG17CV017 RAHUL S BUDLE 1KG17CV030 **SUMAN N** 1KG17CV035 VINAY H L 1KG17CV041

In partial fulfillment of award degree of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2020-21. It is certified that all the suggestions/corrections indicated for internal assessment have been incorporated.

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Certificate

This is to certify that the project work entitled "ANALYSIS AND DESIGN OF CONCRETE CHECK DAM" is a bonafide work carried out by

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the seminar "SUITABILITY OF TREE POD EXTRACT FOR USE AS A NATURAL PLASTICIZER IN CONCRETE" is a Bonafede work carried out by

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> 1KG17CV042 VISHAL KUMAR D

> **GANESH M S** 1KG15CV013

> TUSHSR SINGH J 1KG18CV414

In partial fulfillment for the award of Bachelor of Engineering Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2020-2021. It is certified that all the suggestions indicated during internal assessment have been incorporated.

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the seminar DYNAMIC ANALYSIS OF RESIDENTIAL BUILDINGS IN VARIOUS ZONES is a technical report presented by in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2020-21. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Seminar (17CVS86) prescribed for the degree.

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Department of Civil Engineering

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This is to certify that the project work entitled "Comparision of conventional retaining wall with segmental retaining wall" is a bonafide work carried out by

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This is to certify that the project work entitled "EFFECT OF WIND ON TALL BUILDING FRAMES ON DIFFERENT ASPECT RATIO" is a bonafide work carried out by

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Rohith PG

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Sree Venkat C

1KG17CV034

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Department of Civil Engineering

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This is to certify that the project work entitled "USE OF SUGARCANE MOLASSES AS ADMIXTURE FOR CEMENT CONCRETE" is a bonafide work carried out by

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ANIRUDH S

1KG17CV004

MANIKANTA P

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ASHWATH K

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SAI KRISHNA BALUSU 1KG15CV004

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LOKESH M

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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

This is to certify that the project work entitled OPTIMIZATION OF BITUMINOUS MIX WITH DIFFERENT TYPES OF BITUMEN WITH LOCAL AGGREGATES is a Bonafede work carried out by

HEMANTHA N	1KG16CV019
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