



K.S.INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-560109

Department of Mechanical Engineering

Mini-Project details for the Academic Year 2023-24

Batch no.	USN	Name	Project Title	Guide
1	1KS21ME001	A ASLAM BASHA	Effect Of Implant Inclination On Stress Generation in the Human Mandible Using Finite Element Analysis	Mr. Nagabhushana M
	1KS21ME008	PAVAN K		
2	1KS21ME002	DHANUSH R	Vibro-Acoustic Analysis Of Cylindrical Shell Structures	Mr. Anilkumar A
	1KS21ME004	HARISH KUMAR K		
3	1KS21ME003	HEMANTH H	Automatic Grass Mower	Mr. Manjunath B R
	1KS21ME005	MANOJ T S		
4	1KS21ME006	EKANTH N	Effect Of Thread Shape On Stress Generation In The Human Mandible Using Finite Element Analysis	Mr. Nagabhushana M
	1KS21ME010	RAJESH KUMAR N G		
5	1KS21ME007	NITIN KUMAR P	Plant Irrigation Using Water Sprinkler Robot	Mr. Prasad K
	1KS21ME011	ROHIT KUMAR S		
6	1KS22ME400	DEEPAK K	Emission Reduction Of Diesel Engine By Using Tert-Butyl Chloride	Dr. Nagaprasad K S
	1KS22ME403	SRINIDHI S B		
7	1KS22ME401	DINAKAR D M	Enhancing The Life Of Gas Turbine Blade Model By Altering The Composition Of Coating Materials And Hardness Testing	Mr. Harish U
	1KS22ME405	TALAPANENI MANOJ		
8	1KS22ME402	JADHAV KARTHIK VASUDEV	Fabricating Prototype Of 360 Degree Rotating Fire Protection System	Dr. Saleem Khan
	1KS22ME404	SYED MUZAMMIL		

Head of the Department / MED

Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

Principal

PRINCIPAL
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BENGALURU - 560 109.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“JNANASANGAMA”, BELAGAVI-590018



MINI PROJECT (21MEM67)

REPORT ON

**EFFECT OF IMPLANT INCLINATION ON STRESS
GENERATION IN THE HUMAN MANDIBLE USING
FINITE ELEMENT ANALYSIS**

Bachelor of Engineering

In

Mechanical Engineering

By

A ASLAM BASHA [1KS21ME001]

PAVAN K [1KS21ME008]

Under the guidance of

NAGABHUSHANA M

Asst.Prof,



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Department of MECHANICAL ENGINEERING
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Department of MECHANICAL ENGINEERING



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CERTIFICATE

This is to certify that Mini Project work (21MEMP67) entitled “EFFECT OF IMPLANT INCLINATION STRESS GENERATION IN HUMAN MANDIBLE USING FINITE ELEMENT ANALYSIS” is carried out by **Mr. A ASLAM BASHA**, **PAVAN K** USN **1KS21ME001,1KS21ME008** bonafide student of **K.S. Institute of Technology** in the partial fulfilment for the award of the **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi**, during the year 2023-24. It is certified that all corrections/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 requirements in respect of Mini Project work prescribed for the said degree for the Sixth semester.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JnanaSangama, Belagavi – 590018



A Mini Project Report on

VIBRO-ACOUSTIC ANALYSIS OF CYLINDRICAL SHELL STRUCTURE

Carried out by

NAME : DHANUSH.R

USN : 1KS21ME002

NAME : HARISH KUMAR.K

USN : 1KS21ME004

Submitted in partial fulfillment for the award of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

Under the Guidance Of

MR. ANIL KUMAR A

Asst. Professor

Department of Mechanical Engineering.



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Bengaluru – 560109

DEPARTMENT OF MECHANICAL ENGINEERING**KSIT**
K S INSTITUTE OF TECHNOLOGY**CERTIFICATE**

This is to certify that the project work entitled “**VIBRO-ACOUSTIC ANALYSIS OF CYLINDRICAL SHELL STRUCTURE**” is a bonafide work carried out by

NameUSN**DHANUSH .R****1KS21ME002****HARISH KUMAR.K****1KS21ME004**

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements.

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JnanaSangama, Belagavi – 590018



A Mini Project Report on
“Automatic lawn mower”

Carried out by

Manoj T S **USN 1KS21ME005**
Hemanth H **USN 1KS21ME003**

Submitted in partial fulfillment for the award of
BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Under the Guidance Of
Mr. MANJUNATH B R

Asst. Professor
Department of Mechanical Engineering.



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2023-24

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DEPARTMENT OF MECHANICAL ENGINEERING**KSIT**
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This is to certify that the project work entitled “**Automatic lawn mower**” is a bonafide work carried out by

Name**Manoj T S****Hemanth H**USN**USN 1KS21ME005****USN 1KS21ME003**

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
“JNANASANGAMA”, BELAGAVI-590018



MINI PROJECT (21MEM67)

REPORT ON

**EFFECT OF THREAD SHAPES ON STRESS
GENERATION IN HUMAN MANDIBLE USING
FINITE ELEMENT ANALYSIS**

Bachelor of Engineering

In

MECHANICAL ENGINEERING

By

RAJESH KUMAR NG [1KS21ME010]

EKANTH N[1KS21ME006]

Under the guidance of

NAGABHUSHANAM

Asst.Prof,



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Department of MECHANICAL ENGINEERING



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CERTIFICATE

This is to certify that Mini Project work (21MEM67) entitled “EFFECT OF THREAD SHAPES ON STRESS GENERATION IN HUMAN MANDIBLE USING FINITE ELEMENT ANALYSIS” is carried out by Mr. RAJESH KUMAR N G & Mr. EKANTH.N bearing USN 1KS21ME010 & USN 1KS21ME006 bonafide students of K.S. Institute of Technology in the partial fulfilment for the award of the Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. It is certified that all corrections/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 requirements in respect of Mini Project work prescribed for the said degree for the Sixth semester.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JnanaSangama, Belagavi – 590018



A Mini Project Report on

**“PLANT IRRIGATION USING
WATER SPRINKLER ROBOT”**

Carried out by

NITHIN KUMAR P
ROHIT KUMAR S

1KS21ME007
1KS21ME011

Submitted in partial fulfillment for the award of
BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Under the Guidance Of

Mr.K PRASAD

Associate Professor

Department of Mechanical Engineering.



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2023-24

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DEPARTMENT OF MECHANICAL ENGINEERING



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CERTIFICATE

This is to certify that the project work entitled “Plant Irrigation Using Water Sprinkler Robot” is a bonafide work carried out by

Name

NITHIN KUMAR P
ROHIT KUMAR S

USN

1KS21ME007
1KS21ME011

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2021-2025. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Mini Project Report

On

EMISSION REDUCTION OF DIESEL ENGINE BY USING TERT-BUTYL CHLORIDE

Carried out at

K S INSTITUTE OF TECHNOLOGY

Bengaluru – 560109

Submitted in partial fulfilment for

Bachelor Of Engineering

in

Mechanical Engineering

Submitted by

Deepak. K 1KS22ME400

Srinidhi. S.B 1KS22ME403

Under the Guidance of

Dr. Nagaprasad. K. S

Associate Professor

Department of Mechanical Engineering.

K S Institute of Technology



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Bengaluru – 560109

2023-2024

K S INSTITUTE OF TECHNOLOGY

Bengalure-560061

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled “EMISSION REDUCTION OF DIESELENGINE BY USING TERT-BUTYL CHLORIDE” is a bonafide work carried out by

Deepak. K

1KS22ME400

Srinidhi. S.B

1KS22ME403

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2020-2021.

It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JnanaSangama, Belagavi – 590018



A Mini Project Report on

**“ENHANCING THE LIFE OF GAS TURBINE BLADE MODEL
BY ALTERING THE COMPOSITION OF
COATING MATERIALS AND HARDNESS TESTING”**

Carried out by

NAME : DINAKAR D M

USN : 1KS22ME401

NAME : TALAPANENI MANOJ

USN : 1KS22ME405

Submitted in partial fulfillment for the award of
BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Under the Guidance Of

Mr. HARISH U

Asst. Professor

Department of Mechanical Engineering.



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CERTIFICATE

This is to certify that the project work entitled “**mini project title**” is a bonafide work carried out by

Name

DINAKAR D M

TALAPANENI MANOJ

USN

1KS22ME401

1KS22ME405

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2015-2019. It is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements.

Signature of the candidates

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JnanaSangama, Belagavi – 590018



A Mini Project Report on

“Fabricating prototype of 360 Degree Rotating Fire Protection System”

Carried out by

NAME1: Jadhav Kartik vasudev
NAME2: Syed muzammil

USN: 1KS22ME402
USN: 1KS22ME404

Submitted in partial fulfillment for the award of
BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Under the Guidance Of
DR. SALEEM KHAN

Asst. Professor
Department of Mechanical Engineering.



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Bengaluru – 560109

DEPARTMENT OF MECHANICAL ENGINEERING



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CERTIFICATE

This is to certify that the project work entitled “**Fabricating prototype of 360 Degree Rotating Fire Protection System**” is a bonafide work carried out by

Name

NAME1: Jadhav kartik vasudev

NAME2: Syed muzammil

USN

USN: 1KS22ME402

USN: 1KS22ME404

In partial fulfillment for the award of **Bachelor of Engineering in Mechanical Engineering** from **Visvesvaraya Technological University, Belagavi** during the academic year 2023-2024 is certified that all the corrections/suggestions indicated for the internal assessment have been incorporated in the report deposited in the department. The project has been approved as it satisfies the academic requirements.