

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



A project report on

**“CHARATERIZATION OF
LOW MELTING ALLOYS”**

Submitted in partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

By,

SHARANYA SHETTY

4AL19ME027

DEVAM VORA

4AL19ME033

YASHASWINI A M

4AL19ME034

BHOOMIKA B J

4AL19ME700

Under the Guidance of
**MR.SHARATH CHANDRA
PRABHU**
Senior Assistant Professor



ALVA'S
Education Foundation™

Department of Mechanical Engineering

**ALVAS INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

MOODBIDRI-574225, KARNATAKA

2022 – 2023

**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

Mijar, Moodbidri, D.K. -574225 – Karnataka



ALVA'S
Education Foundation™

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled “CHARATERIZATION OF LOW MELTING
POINT ALLOY” is a bona fide work carried out by

SHARANYA SHETTY

4AL19ME027

DEVAM VORA

4AL19ME033


YASHASWINI A M

4AL19ME034


BHOOMIKA B J

4AL19ME700

Are bonafide student of mechanical engineering, Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Mr. Sharath Chandra Prabhu
Project Guide


Dr. Satyanarayan
H.O.D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


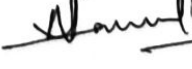

Dr. Peter Fernandes
Principal
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

External Viva

Name of the Examiners

1. **Dr. G.B. Vaggar**
2. **Dr. Neelakantiah V.L**

Signature with Date

 **23/05/2023**
 **23/05/2023**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590 018



PROJECT REPORT ON
"CROP PROTECTION FROM WILD ANIMALS"

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

BACHELOR OF ENGINEERING
IN
MECHANICAL ENGINEERING

Submitted By

Name	USN
MANOJ KUMAR	4AL19ME013
NIKHIL GOWDA T	4AL19ME017
NIKHIL M	4AL19ME018
PRAVEEN TALWAR	4AL19ME020

Under the Guidance of
Mr. DEEPAK KOTHARI
Assistant professor



DEPARTMENT OF MECHANICAL ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOOBBIDRI – 574 225.
2022-2023

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI - 574 225

(Affiliated to VTU, BELAGAVI)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled "CROP PROTECTION FROM WILD ANIMALS" is a bona fide work carried out by

MANOJ KUMAR
NIKHIL GOWDA T
NIKHIL M
PRAVEEN TALWAR

4AL19ME013
4AL19ME017
4AL19ME018
4AL19ME020

in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **MECHANICAL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022-2023. It is certified that all corrections/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 requirements in respect of the Project work prescribed for the Bachelor of Engineering Degree.

D.R. Kothari

Signature of the Guide

Mr. Deepak Kothari

Dr. Satyanarayana
23/5/2023

Signature of the Hod

Dr. Satyanarayana
H. O. D.

Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

EXTERNAL VIVA

Dr. Peter Fernandes

Signature of the Principal

PRINCIPAL
Dr. Peter Fernandes
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Name of the Examiners

1. *Dr. G.B. Vaggar*

2. *Dr. Neelakantha V.L*

Signature with date

Dr. Peter Fernandes 23/05/23
Dr. Neelakantha V.L 23/05/2023

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



**A project report on
DESIGN AND FABRICATION OF MULTIPURPOSE SOIL
SCRAPER**

**Submitted in partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING**

**In
MECHANICAL ENGINEERING**

By

VYSHNAV S B	4AL18ME032
ABHISHEK VINOD	4AL19ME002
DENIL PAUL	4AL19ME008
KARTHIK R ASHOK	4AL19ME036

**Under the Guidance of
Mr. SUDHEER P N
Assistant Professor**



**Department of Mechanical Engineering
ALVAS INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

MOODBIDRI-574225, KARNATAKA

2022 – 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka




DEPARTMENT OF MECHANICAL ENGINEERING


CERTIFICATE

Certified that the project work entitled “DESIGN AND FABRICATION OF MULTIPURPOSE SOIL SCRAPER” is a bonafide work carried out by

VYSHNAV S B	4AL18ME032
ABHISHEK VINOD	4AL19ME002
DENIL PAUL	4AL19ME008
KARTHIK R ASHOK	4AL19ME036

are bonafide students of MECHANICAL ENGINEERING Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Mr. Sudheer P.N
Project Guide
Department of ME


Dr. Satyanarayan
Professor & Head
Department of ME
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225
External Viva


Dr. Peter Fernandes
Principal
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Name of the Examiners

1.

2

Signature with Date

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



A project report on

**“DESIGN AND FABRICATION OF EQUIPMENT FOR UPANAHA
KALPANA TREATMENT”**

Submitted in partial fulfilment of the requirements for the degree of
BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

D JAYKUMAR

4AL19ME007

PRAJWAL R

4AL19ME019

RAKESH S

4AL19ME024

VENKATASHIVAREDDY

4AL19ME031

Under the Guidance of

Prof. KIRAN C H

**Assistant Professor,
Dept. of MECHANICAL ENGINEERING**



ALVA'S
Education Foundation®

Department of Mechanical Engineering

**ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

2022 – 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



ALVA'S
Education Foundation™

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled “Design and fabrication of equipment for Upanaha Kalpana treatment”

is a bona-fide work carried out by

D JAYKUMAR

4AL19ME007

PRAJWAL R

4AL19ME019

RAKESH S

4AL19ME024

VENKATASHIVAREDDY

4AL19ME031

Are bona-fide student of Mechanical engineering Alva's Institute of Engineering and Technology in partial fulfilment for the award of **BACHELOR OF ENGINEERING** in

MECHANICAL ENGINEERING OF VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Prof. Kiran C H

Project Guide

Dr. Satyanarayan W. D.

Dept. Of Mechanical Engineering
Head of the Department
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

External Viva

Dr. Peter Fernandes
PRINCIPAL

Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, D.K

Name of the Examiner

Signature with Date

- 1) Dr. G. B. Vaggar
- 2) Dr. Neelakantha, V.L

23/05/23
23/05/23

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590 010



PROJECT REPORT ON "DESIGN AND FABRICATION OF GREEN PEA DEPODDING MACHINE"

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

BACHELOR OF ENGINEERING IN MECHANICAL ENGINEERING

Submitted By

**Name
AROMAL A
VISHNU V N
YATHIN
DIVAKARA SHETTIGARA**

**USN
4AL19ME004
4AL19ME032
4AI.19ME035
4AL20ME400**

**Under the Guidance of
Prof. PRAVEEN K C
Assistant Professor**



**ALVA'S
Education Foundation®
DEPARTMENT OF MECHANICAL ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
MOODBIDRI – 574 225.
2022-2023**

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI – 574 225

(Affiliated to VTU, BELAGAVI)

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled "DESIGN AND FABRICATION OF GREEN PEA DEPODDING MACHINE" is a bona fide work carried out by

AROMAL A

4AL19ME004

VISHNU V N

4AL19ME032

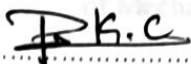
YATHIN

4AL19ME035

DIVAKARA SHETTIGAR

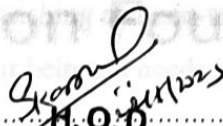
4AL20ME400

in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **MECHANICAL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022–2023. It is certified that all corrections/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 requirements in respect of the Project work prescribed for the Bachelor of Engineering Degree.

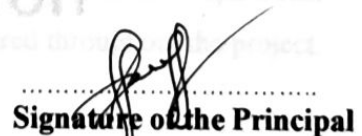


Signature of the Guide

Prof. Praveen K C



Dept. of Mechanical Engineering
Signature of the HOD
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



Signature of the Principal

PRINCIPAL
Dr. Peter Fernandes
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

EXTERNAL VIVA

Name of the Examiners

Signature with date

1.....

.....

2.....

.....

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI 590018



A project report on
“DESIGN AND FABRICATION OF RF-BASED
MULTIPURPOSE AGRICULTURE VEHICLE”

Submitted in partial fulfillment of the requirements for the award of degree
BACHELOR OF ENGINEERING

IN
MECHANICAL ENGINEERING

By

BHUSHAN KUNDAR	4AL18ME020
CHRISTON LLOYD PINTO	4AL19ME006
GURUKIRAN	4AL19ME010
LIKHITH S SHETTY	4AL19ME012

Under the Guidance of
Prof. Hemanth suvarna
Sr.Assistant Professor



Department of Mechanical Engineering
ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI - 574 225

(Affiliated to VTU, BELAGAVI)

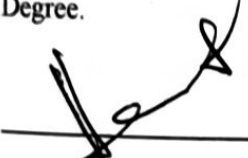
DEPARTMENT OF MECHANICAL ENGINEERING

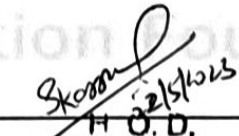
CERTIFICATE

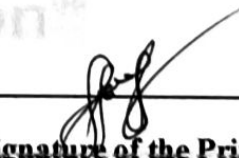
Certified that the project work entitled "DESIGN AND FABRICATION OF RF-BASED MULTIPURPOSE AGRICULTURE VEHICLE" is a bona fide work carried out by

BHUSHAN KUNDAR	4AL18ME020
CHRISTON LLOYD PINTO	4AL19ME006
GURUKIRAN	4AL19ME010
LIKHITH S SHETTY	4AL19ME012

in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-2023. It is certified that all corrections/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 requirements in respect of the Project work prescribed for the Bachelor of Engineering Degree.


Signature of the Guide
Prof. Hemanth
Suvarna


H.O.D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Moorbidri - 574 225


Signature of the Principal
Dr. Peter Praveen
Alva's Institute of Engg. & Technology,
Moorbidri - 574 225, D.K

EXTERNAL VIVA

Name of the Examiners

Signature with date

1.....

.....

2.....

.....

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI 590018



A project report on

“HYDRAULIC THREE ROLLER ROD BENDING MACHINE”

Submitted in partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

By

CHIRANTH P

4AL18ME009

LOHIT V ARKACHARI

4AL20ME401

SATWIK V GUNAGA

4AL19ME026

KARTHIK

4AL18ME018

Under the Guidance of

Mr. KIRAN C H

Assistant Professor of Mechanical Department



Department of Mechanical Engineering

**ALVAS INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

MOODBIDRI-574225, KARNATAKA

2022 – 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri, D.K. -574225 – Karnataka



ALVA'S
Education Foundation

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled “HYDRAULIC THREE ROLLER ROD BENDING MACHINE” is a bonafide work carried out by

CHIRANTH P

4AL18ME009

LOHIT

4AL20ME401

SATWIK V GUNAGA


4AL19ME026


KARTHIK

4AL18ME018

Arebonafide student of mechanical engineering, Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Mr. Kiran C H
Project Guide


Dr. Satyanarayana
Dept. Of Mechanical Engineering
Head of the Department
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225
External Viva


Dr. Peter Fernandes.
Principal
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Name of the Examiners

1. Dr. G.B. Naggar
- 2.

Signature with Date


24/05/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



A project report on

**“INVESTIGATION ON EFFECT OF CASTING MOULDS ON
MECHANICAL PROPERTIES OF ALUMINIUM ALLOYS”**

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

By,

AJAY KUMAR J

4AL19ME003

SRISHAIL S

4AL19ME028

TEJAS GOWDA

4AL19ME029

Under the Guidance of

Dr. Satyanarayan

Professor & Head

Department of Mechanical Engineering



ALVA'S
Education Foundation™

Department of Mechanical Engineering

**ALVAS INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

MOODBIDRI-574225, KARNATAKA

2022 – 2023

**ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

Mijar, Moodbidri, D.K. -574225 – Karnataka



ALVA'S
Education Foundation®

DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled **“Investigation on Effect of Casting Moulds on Mechanical Properties of Aluminium Alloy”** is a bona fide work carried out by

AJAY KUMAR J

4AL19ME003

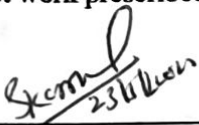
SRISHAIL S

4AL19ME028


TEJAS GOWDA M

4AL19ME029

Are bonafide student of mechanical engineering, Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Dr. Satyanarayan
Project Guide


Dr. Satyanarayan
H.O.D.
Dept. Of Mechanical Engineering
Head of the Department
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225


Dr. Peter Fernandes.
Principal
Alva's Institute of Engg. & Technology
Mijar. MOODBIDRI - 574 225, D.K

External Viva

Name of the Examiners

Signature with Date

- 1.
- 2.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



**A project report on
MULTI-STAGE FLOUR MILL**

**Submitted in partial fulfillment of the requirements for the degree of
BACHELOR OF ENGINEERING**

**in
MECHANICAL ENGINEERING**

By

MOHAN GOWDA M	4AL19ME014
PRUTHVIRAJ H K	4AL19ME021
R GOUTHAM GOWDA	4AL19ME022
CETHAN U N	4AL19ME037

**Under the Guidance of
Prof. Sharathchandra Prabhu
Sr. Assistant Professor**



**Department of Mechanical Engineering
ALVAS INSTITUTE OF ENGINEERING AND
TECHNOLOGY**

MOODBIDRI-574225, KARNATAKA

2022– 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled "MULTI-STAGE FLOUR MILL" is a bona fide work carried out by

MOHAN GOWDA M	4AL19ME014
PRUTHVIRAJ H K	4AL19ME021
R GOUTHAM GOWDA	4AL19ME022
CHETHAN U N	4AL19ME037

are bonafide student of mechanical engineering in Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL BRANCH of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022-2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Prof. Sharathchandra Prabhu
Project Guide

H.O.D.

Dr. Satyanarayana
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

External Viva

Dr. Peter Fernandes .
Principal
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Name of the Examiners

1. Dr. G. B. Vaggar
2. Dr. Neelakantha V. L

Signature with Date

23/05/23
23/05/2023

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



A Project report on

**MULTIFUNCTIONAL CHAFF CUTTER AND FEED
GRINDER**

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

By

Nishanth	4AL18ME025
Bhoomika K R	4AL19ME005
Rahul	4AL19ME023

Under the Guidance of

Prof. GANESH M R

Sr. Associate/Assistant Professor



Department of Mechanical Engineering

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2022 – 2023

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodabidri D.K. -574225 – Karnataka



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project work entitled “**MULTIFUNCTIONAL CHAFF CUTTER AND FEED GRINDER**” bona fide work carried out by

NISHANTH

4AL18ME025

BHOOMIKA K R

4AL19ME005

RAHUL

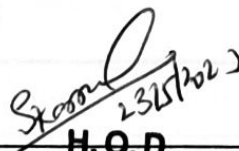
4AL19ME023

are bonafide student of Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023.


It is certified that all corrections/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 requirements in respect of project work prescribed for the Bachelor of Engineering Degree.


Prof. Ganesh M R

Project Guide


H.O.D.
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODABIDRI - 574 225

External Viva


Dr. Peter Fernandes
PRINCIPAL
Alva's Institute of Engineering & Technology
Mijar, MOODABIDRI - 574 225, D.K.

Name of the Examiners

Signature with Date

1.

2.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



**Report on
Portable Electric Ploughing, Spraying and Levelling Machine**

Submitted in partial fulfilment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING By

YASHWANTH K	4AL18ME033
SAMEER	4AL19ME025
UMAR FAROOQ KHAN SHIRED	4AL19ME030
PAVANKUMAR	4AL20ME402

Under the Guidance of

Dr. GURUSHANTH B VAGGAR

Senior. Assistant professor

Dept. Of Mechanical Engineering



ALVA'S
Education Foundation®

Department of Mechanical Engineering

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2022- 2023

ALVA'S INSTITUTE OF ENGINEERING AND
TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

Certified that the project working on

**“Portable Electric Ploughing, Spraying and Levelling
Machine”**

is a bonafide work carrying out by

YASHWANTK K

4AL18ME033

SAMEER

4AL19ME025

UMAR FAROOQ KHAN SHIRED

4AL19ME030

PAVANKUMAR

4AL20ME402

are bonafide student of Mechanical Engineering Alva's Institute of Engineering and Technology in partial fulfilment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2022–2023. It is certified that all corrections/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 requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Dr. Gurushanth B Vaggar
Project Guide

22/5/23
H. O. D.
Dept. of Mechanical Engineering
Alva's Institute of Engineering & Technology
Mijar, MOODBIDRI - 574 225

Dr. Pradeep K. S.
Principal
Alva's Institute of Engineering & Technology
Mijar, MOODBIDRI - 574 225

1) Dr. G. B. Vaggar - 23/05/23

2) Dr. Neelakumthar V. L. - 23/05/23