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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI 590018**



**A project report on  
DESIGN AND FABRICATION OF PADDY- DUST  
SEPARATING MACHINE**

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

**in  
MECHANICAL ENGINEERING**

**By**

<b>ADWITH KUMAR</b>	<b>4AL20ME001</b>
<b>SWAHID</b>	<b>4AL20ME014</b>
<b>VARUN S</b>	<b>4AL20ME021</b>
<b>VIGNESH</b>	<b>4AL20ME022</b>

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



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

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# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE

Certified that the project work entitled “PADDY-DUST SEPARATING MACHINE” is a Bonafide work carried out by

ADWITH KUMAR	4AL20ME001
SWAHID	4AL20ME014
VARUN S	4AL20ME021
VIGNESH	4AL20ME022

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.

Prof. SUDHEER P N  
Assistant Professor

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

#### External Viva

##### Name of the Examiners

1. Hemant
2. Vanil

##### Signature with Date

  
19/7/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI 590018**



**A project report on**

**DESIGN AND FABRICATION OF FIVE WAY FOLDING BED**

**Submitted in partial fulfillment of the requirements for the degree of 6th Sem.**

**BACHELOR OF ENGINEERING**

**in**

**MECHANICAL ENGINEERING**

**By**

<b>JENNY FERNANDES</b>	<b>4AL20ME011</b>
<b>PALLAVI P</b>	<b>4AL20ME017</b>
<b>NAVYASHREE</b>	<b>4AL20ME016</b>
<b>SACHIN RATHOD</b>	<b>4AL21ME403</b>

**Under the Guidance of**

**Prof. Mr. Sharathchandra Prabu**

**Sr. Associate**

**Professor**



**Department of Mechanical Engineering**

**ALVAS INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

**MOODBIDRI-574225, KARNATAKA**

**2023- 2024**

# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



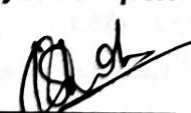
## DEPARTMENT OF MECHANICAL ENGINEERING

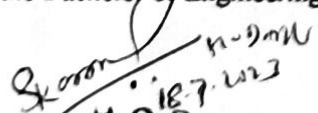
### CERTIFICATE

Certified that the project work entitled "**DESIGN OF UNMANNED SEA PLANE**" is bona fide work carried out by

JENNY FERNANDES	4AL20ME011
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NAVYASHREE	4AL20ME016
SACHIN RATHOD	4AL21ME403

are Bonafede 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 2015-2016. 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. Anand Prabu  
Project Guide

  
Dr. Satyanarayana  
H.O.D.  
Dept. of Mechanical Engineering  
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Mijar, MOODBIDRI - 574 225

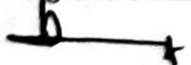

  
Dr. Peter Fernandes.  
Principal

External Viva

Name of the Examiners

1. Hemant Suvar
2. V. B. R.

Signature with Date

 9/3/23  


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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI 590018**



**A project report on  
DESIGN AND FABRICATION OF SPEED ANNULATED BELT  
POLISHER MACHINE**

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

**By**

<b>AKSHAR N</b>	<b>4AL20ME002</b>
<b>CHANDAN B</b>	<b>4AL20ME004</b>
<b>DILEEP P R</b>	<b>4AL20ME007</b>
<b>FRISON NIKHIL MARTIS</b>	<b>4AL20ME008</b>

**Under the Guidance of  
Dr. Satyanarayan  
Professor & Head of the Department**



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

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



**DEPARTMENT OF MECHANICAL ENGINEERING**

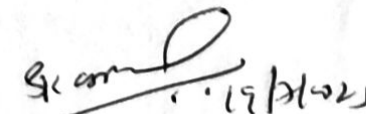
**CERTIFICATE**

Certified that the project work entitled "SPEED ANNULATED BELT POLISHER MACHINE" is a bonafide work carried out by

AKSHAR N	4AL20ME002
CHANDAN B	4AL20ME004
DILEEP P R	4AL20ME007
FRISON NIKHIL MARTIS	4AL20ME008

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Dr. Satyanarayan  
Project Guide

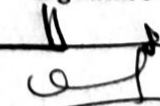
  
Dr. Satyanarayan  
Head of the Department  
Dept. Of Mechanical Engineering  
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Mijar, MOODBIDRI - 574 225

External Viva

Name of the Examiners

1. Hemant
2. Varil

Signature with Date

 06/12/23  
06/12/23

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI 590018**



**A project report on  
DESIGN AND FABRICATION OF PROTOTYPE MOTION  
BASED AUTOMATIC DOOR OPENER**

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

**in  
MECHANICAL ENGINEERING**

**By**

<b>RAKSHITH S</b>	<b>4AL20ME019</b>
<b>MOHAMMED FAHAD H</b>	<b>4AL20ME015</b>
<b>DODDAMALLAIAH</b>	<b>4AL21ME400</b>
<b>RAKESH KELGADE</b>	<b>4AL21ME402</b>

**Under the Guidance of  
Mr. Hemanth Suvarna  
Assistant Professor**



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

**MOODBIDRI-574225, KARNATAKA**

**2022-2023**

**ALVAS INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

**MOODBIDRI-574225, KARNATAKA**



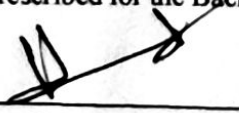
**DEPARTMENT OF MECHANICAL ENGINEERING**

**CERTIFICATE**

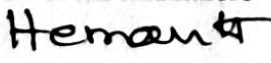
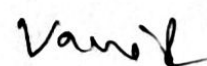
Certified that the project work entitled **"Design and fabrication of prototype motion based door opener"** is a bonafide work carried out by

<b>RAKSHITH S</b>	<b>4AL20ME019</b>
<b>MOHAMMED FAHAD H</b>	<b>4AL20ME015</b>
<b>DODDAMALLAIAH</b>	<b>4AL21ME400</b>
<b>RAKESH KELGADE</b>	<b>4AL21ME402</b>

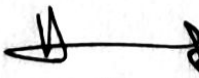
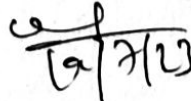
are bonafide student of MECHANICAL ENGINEERING Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2022-2023. It is certified that all corrections/suggestions 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.

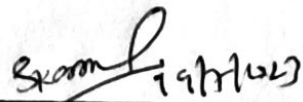
  
**Prof. Hemanth Suvarna**  
Project Guide

**Name of the Examiners**

1. 
2. 

**External Viva**

  
**Dr. Satyanarayan**  
Head of the Department

**H. O. D.**  
Signature with Date  
Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI 590018**



A project report on

**“DESIGN AND FABRICATION OF MANUALLY OPERATED  
SUGARCANE BUD CHIPPING MACHINE”**

Submitted in partial fulfilment of the requirements for the degree of 6<sup>th</sup> Sem.

**BACHELOR OF ENGINEERING**

in

**MECHANICAL ENGINEERING**

By

**BABUGOUDA S**

**4AL20ME003**

**GIRISH B B**

**4AL20ME009**

**MANU K N**

**4AL20ME013**

**RAHUL KUMBAR**

**4AL21ME401**

Under the Guidance of

**Prof. PRAVEEN K C**

Assistant Professor



**Department of Mechanical Engineering**

**ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY**

# 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 MANUALLY OPERATED SUGARCANE

BUD CHIPPING MACHINE" is a bonafide work carried out by

BABUGOUDA	4AL20ME003
GIRISH B B	4AL20ME009
MANU K N	4AL20ME013
RAHUL KUMBAR	4AL21ME401

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.

Prof. Praveen k c  
Project guide

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Alva's Institute of Engineering and Technology  
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#### External Viva

##### Name of the Examiners

1. Hemant
2. Varil

##### Signature with Date

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**A project report on  
DESIGN AND FABRICATION OF FIVE WAY FOLDING BED  
Submitted in partial fulfillment of the requirements for the degree of 6TH Sem.  
BACHELOR OF ENGINEERING**

**in  
MECHANICAL ENGINEERING**

**By**

<b>CHIRANTH HS</b>	<b>4AL20ME006</b>
<b>MANOJ KUMAR K</b>	<b>4AL20ME012</b>
<b>PAVAN KUMAR HR</b>	<b>4AL20ME018</b>
<b>SANDEEP J</b>	<b>4AL21ME404</b>

**Under the Guidance of**

**Prof. Mr. Sharathchandra Prabu**  
**Sr. Associate                      Professor**



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

**MOODBIDRI-574225, KARNATAKA**

**2023- 2024**

# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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## DEPARTMENT OF MECHANICAL ENGINEERING


### CERTIFICATE

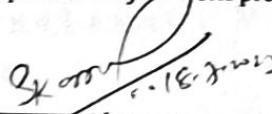
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Prof. Sharath Chandra Prathy  
Project Guide

  
Dr. Satyanarayana  
Dept. of Mechanical Engineering  
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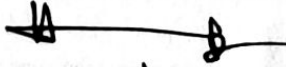
  
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9/12/13