



## CERTIFICATE

This is to certify that the project report entitled

**“AUTOMATIC DUST DETECTION MECHANISM FOR SOLAR  
PANEL CLEANING SYSTEM”**

Submitted by

1) RAHUL B. INGLE (418001071)

2) RAVINDRA S. CHAVAN (418001033)

3) RAMESHWAR R. KONDKE (418001101)

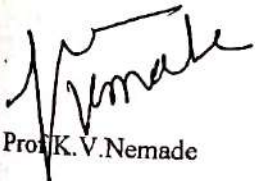
4) NISHANT V. MAHADANE (418001115)

5) VISHNU D. PHUKE (418001141)


Has completed project as per the requirement of

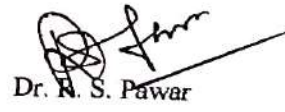
**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. K. V. Nemade  
Guide

  
Prof. K. T. Patil  
Project co-ordinator

  
Prof. G. S. Dhage  
HOD

  
Dr. N. S. Pawar  
Principal

**Department of Mechanical Engineering**

**Shreyash College of Engineering & Technology, Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the Project report entitled

**“POWER OPERATED MULTI-NUT OPENING MACHINE”**

**Submitted by**

Kandi Akshay Ramdas (Roll No.41229)

Kulkarni Prasad Ratnakarrao (Roll No.41307)

Kulkarni Yogesh Padmakar (Roll No.41270)

Hundiwale Swapnil Prabhakar (Roll No.41302)

Sanap Rahul Sakharam (Roll No.41347)

Has completed as per the requirement of **Dr. Babasaheb**

**Ambedkar Marathwada University** in partial fulfillment of degree

B.E. (Mechanical)

Prof. A. R. Umkar

**Guide**

Prof. G. S. Dhage

**Head of Department**

Dr. R. S. Pawar

**Principal**

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016 - 17



CERTIFICATE

This is to certify that the Project report entitled  
"TROUBLESHOOTING IN DUST COLLECTOR"

Submitted by

Name of students

ANIRUDH ARVIND TUGAWE

has completed as per the requirement of Dr. Babasaheb  
Ambedkar Marathwada University in partial fulfilment of degree  
B.E. (Mechanical)

Guide

Prof.K.T. PATIL

Project co-ordinator

Prof.K.T. PATIL

Head of Department

Prof.G.S. DHAGE

Principal

Dr. R. S. PAWAR

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



**CERTIFICATE**

This is to certify that the Project report entitled

**“Oil Skimmer System”**

**Submitted by**

- 1) Rupesh R.Deshmukh (418001041)
- 2) Pradip R.Birajdar (418001022)
- 3) Akshay V. Gadekar(418001049)
- 4) Viraj V.Chitale(418001037)
- 5) Sanket S.Kurkute(418001110)

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Prof.J.K.Bhor

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Project Co-ordination

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Head Of

Department

Prof.G.S.Dhage

Principal

Dr.R.S.Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad

Year 2016-17

**SHREEYASH COLLEGE OF ENGINEERING & TECHNOLOGY,  
AURANGABAD**

Year 2016-17



**CERTIFICATE**


This is to certify that the Project report entitled

**“MULTIOPERATIONAL CARPENTRY MACHINE”**

Submitted by


- 1) NIRMAL YOGESH D (418001133)
- 2) PAWAR RAHUL N (418001139)
- 3) SHEWALE ATUL B (418001166)
- 4) JADHAV SHSHANK A (418001075)
- 5) KATHAR SWAPNIL D (418001095)

has completed as per the requirement of **Dr. Babasaheb  
Ambedkar Marathwada University** in partial fulfilment of degree  
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PROF. Y.T.GAVHANE  
Project guide

  
PROF. K.T.PATIL  
project co-ordinator

  
PROF. G.S.DHAGE  
head of department

  
Dr. R.S. PAWAR  
principal

Department of Mechanical Engineering  
Shreeyash collage of engineering and technology, Aurangabad  
Year 2016-17



**CERTIFICATE**

This is to certify that the Project report entitled

**“SPATIAL AGITATOR”**


Submitted by

**SANKET JOSHI  
SHISHUPAL DAGDE**

**YOGESH SAPKAL  
VAIBHAV SIRSAT**

**SHUBHAM GORE**

Has completed as per the requirement of **Dr. Babasaheb  
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B.E. (Mechanical)

  
Guide

**Prof. M.S. WALUNJKAR**

  
Head of Department

**Prof. G.S. Dhage**

  
Principal 1/6/17

**Dr. R.S. Pawar**

Department of Mechanical Engineering  
**Shreyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017



## CERTIFICATE

This is to certify that the project report entitled  
"WATER LIFTING SYSTEM WITH HELP OF SOLAR ENERGY"

Submitted by

**Aditya Annasaheb Jagdale (418001203)**


**Akshay Eshwarlal Gudhaniye (418001063)**


**Prashant Janardhan Kathar (418001094)**


**Krishna Vitthalrao Gample (418001052)**

**Vishal Tulshiram Koushalye (418001096)**

Has completed as per requirement of **Dr. Babasaheb Ambedkar Marathwada University** in partial fulfillment of degree B.E. (Mechanical).

  
**Prof. N. M. Kathar**  
Guide

  
**Prof. G. S. Dhage**  
HOD

  
**Dr. R. S. Pawar**  
Principal

Department of Mechanical Engineering  
S. Y. C. E. T. Aurangabad  
Year 2016-2017



## CERTIFICATE

This is to certify that the project report entitled  
**“DEFECT ANALYSIS AND REDUCTION IN REJECTION ON  
GOVERNOR SUPPORT”**

Submitted by

**MANOJ NIVRUTTI KADAM (41319)**

has completed as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**


In partial fulfillment of degree B.E. (Mechanical)

  
Academic Guide

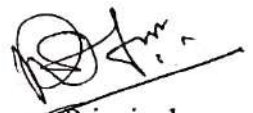
Prof. Deepak Pawar

  
Project Coordinator

Prof. K. T. Patil

  
H.O.D

Prof. G. S. Dhage

  
Principal

Dr. R. S. Pawar

**Department of Mechanical Engineering**

**S.Y.C.E.T., Aurangabad**

**Year 2016-17**



# CERTIFICATE

This is to certify that the project entitled

**ANALYSIS OF VEHICLE MILEAGE USING INTERNET OF THINGS**

Submitted by

**Gulve Sagar Hiranman (418001064)**

**Patil Chandrashekhar Bhagwan (418001136)**

**Pawar Vivek Valmik (418001140)**

**Shrawane Shubham Kapil (418001169)**


is completed as per the requirements of the Dr. Babasaheb Ambedkar Marathwada University in partial fulfillment of degree of Bachelor of Engineering (Mechanical Engg.) for the academic year 2016-2017

  
Prof. N.S. Dongare

Guide

  
Prof. G.S. Dhage

Head of Department

  
Dr. R.S. Pawar

Principal



**Department of Mechanical Engineering**

**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**AURANGABAD**

**YEAR 2016-2017**



## CERTIFICATE

This is to certify that the project report entitled

**“PROCESSING SETUP TO PRODUCE BIODIESEL AND IT'S BLENDS”**

Submitted by

- 1) Nakade Krishna Chandrabhan (418001129)
- 2) DendeDeshodhanBhagwat (418001040)
- 3) JadhavShriramArun (418001077)
- 4) ChandeSopanHaridas (418001027)
- 5) Bharsakhare Nikhil Siddharth (418001018)

Has completed project as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. S.A. Shimple

Guide

  
Prof. K.T. Patil

Project co-ordinator

  
Prof. G.S. Dhage

HOD

  
Dr. R. S. Pawar

Principal

**Department of Mechanical Engineering**

**Shreyash College of Engineering & Technology, Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the project report entitled  
**“DESIGN & CONSTRUCTION OF COMBINED AXIS  
WIND MILL TURBINE FOR MAXIMISE EFFICIENCY”**

Submitted by:

- 1) Sumit S. Chaudhari (418001028)
- 2) Amit O. Chaudhary (418001029)
- 3) Gajanan R. Ghitre (418001054)
- 4) Pravin P. Gole (418001060)
- 5) Dhananjay S. Pophale(418001144)

Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)

**Prof. K.T. Patil**

Guide

**Prof. K.T. Patil**

Project co-ordinator

**Prof. G.S. Dhage**

HOD

**Dr. R.S. Pawar**

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**Department of Mechanical Engineering**

**SHREEYASH COLLEGE OF ENGINEERING & TECHNOLOGY,  
AURANGABAD, 431005.**

**Year 2016-17**



## CERTIFICATE

This is to certify that the Project report entitled  
“Performance Investigation of DSSC using Natural Dyes”

Submitted by:

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1) Kunal U. Padmawar (418001134)  | 4) Ashwini V. Sable (418001156)   |
| 2) Sanjay B. Rathod (418001153)   | 5) Sukannya K. Ragade (418001147) |
| 3) Pravin R. Pawankar (418001137) | 6) Shilpa D. Rathod (418001154)   |

has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in fulfilment of degree

  
Prof. K.T.Patil

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B.E. (Mechanical)  
  
Prof. K.T.Patil

Project Coordinator

  
Prof. G. S. Dhage

H.O.D

  
Prof. Dr. R. S.

Pawar

Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled  
**“Pneumatic Collar Assembly Machine”**

Submitted by

1. **Madhuri J. Kulkarni**

3. **Gopinath K. Rathod**

2. **Hemant A. Gandhi**

4. **Swapnil K. Kathar**

We has completed as per the requirement of Dr. Babasaheb  
Ambedkar Marathwada University in partial fulfilment of degree

B.E. (Mechanical)



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Prof. G. S. Dhage



Head of Department

Prof. G. S. Dhage



Principal

Dr. R. S. Pawar

Department of Mechanical Engineering

**Shreyash College of Engineering and Technology, Aurangabad**

Year 2018-19.



### CERTIFICATE

This is to certify that the Project report entitled  
"RESISTANCE SPOT WELDING MACHINE"

Submitted by

**AKASH DNYANDEV WAGHMARE (418001196)**

**ANIKET TANAJI WADKAR (418001193)**

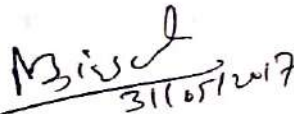
**AMAR SHYAMRAO UDAWANT (418001188)**

**AKSHAY RAJENDRA CHAVAN (418001030)**

**VIRENDRA KAILASHRAO JANJAL (418001202)**


Has completed as per the requirement of

**Dr. Babasaheb Ambedkar Maharashtra University in Partial Fulfilment of Degree of  
Bachelor of Engineering (Mechanical)**

  
31/05/2017  
Prof. M.D. Sirsat

  
Prof. K.T. Patil

  
Prof. G. S. Dhage

  
Dr. R. S. Pawar

Guide

Project co-ordinator

H.O.D.

Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled  
**“HYBRID ENERGY GENERATION”**

Submitted by

- 1) Pawar Mahesh Vasant (418001138)
- 2) Kokre Dnyanoba Sugriv (418001100)
- 3) Ratnaparkhi Akshay Kiran (418001155)
- 4) Devkatte Maheshkumar Vitthal(418001044)
- 5) Badak Siddheshwar Sandu (418001007)

Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)



Prof. A.S. Adkine

Guide



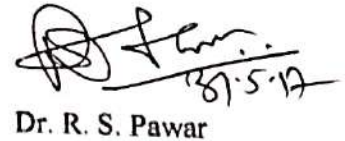
Prof. K.T. Patil

project co-ordinator



Prof. G.S. Dhage

HOD



Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

**Shreyash College of Engineering & Technology, Aurangabad**

Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled

**“Design And Fabrication of Electromagnetic Press Machine”**

Submitted by

1. Prasad Arvind Kulkarni (41232)

2. Suraj Prabhakar Jagtap (41222)

3. Vivek Kumar (42246)

4. Samadhan Shubhash Bhople (41204)

has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfilment of degree  
B.E. (Mechanical)

Guide

**Prof. Y.T. Gavhane**

Project Co-ordinator

**Prof. K.T. Patil**

Head of Department

**Prof. G.S. Dhage**

Principal

**Dr. R.S. Pawar**

Department of Mechanical Engineering  
**Shreyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017





### CERTIFICATE

This is to certify that the Project report entitled  
“DESIGN AND FABRICATION OF U-TUBE SOLAR HEAT PIPE”

Submitted by

JADHAV YOGESH S (418001078)

LADE SHUBHAM V (418001111)

SHIND LAHU B (418001167)

SHELKE YOGIRAJ S (418001164)

THITE SURAJ S (418001183)

Has completed as per the requirement of

Dr. Babasaheb Ambedkar Marathwada University in Partial Fulfilment of Degree  
of  
Bachelor of Engineering (Mechanical)

Prof. K.T. Patil

Co-Guide

Prof. G. N. Deshpande

Guide

Prof. G. S. Dhage

H.O.D.

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled

**“Performance Testing and Modeling of Stirling Engine”**

Submitted by:

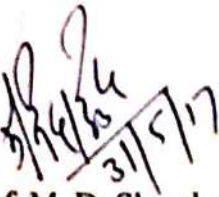
- |                     |             |                  |             |
|---------------------|-------------|------------------|-------------|
| 1. Vishal Wagh      | (418001195) | 2. Aditya Dande  | (418001039) |
| 3. Dinesh Bachkar   | (418001006) | 4. Naseem Shaikh | (418001161) |
| 5. Shubham Sonawane | (418001175) |                  |             |

It is completed as per the requirements of

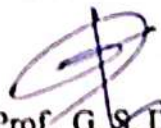
**Dr. Babasaheb Ambedkar Marathwada University**


in fulfillment of degree of B.E (Mechanical)

For academic year 2016-17

  
31/5/17  
Prof. M. D. Shende  
Guide

  
Prof. K.T. Patil  
Project Coordinator

  
Prof. G. S. Dhage  
H.O.D

  
Prof. Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
**“Android Controlled Pick and Place Robot System”**

Submitted by

- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. BARVE NIKHIL J. [418001014]       | 4. BANSWAL SWAPNIL R. [418001013] |
| 2. WAGHMODE MACHINDRA B. [418001197] | 5. JADHAV KISHOR N. [418001073]   |
| 3. WADEKAR RAMESHWAR U. [418001192]  |                                   |

has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfilment of degree  
B.E. (Mechanical)

Guide

Prof. M.S. Walunjkar

Project Co-ordinator

Prof. K.T. Patil

Head of Department

Prof. G.S. Dhage

Principal

Dr. R.S. Pawar

Department of Mechanical Engineering  
**Shreyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017



## CERTIFICATE

This is to certify that the project report entitled  
**“DESIGN & CONSTRUCTION OF COMBINED AXIS  
WIND MILL TURBINE FOR MAXIMISE EFFICIENCY”**

Submitted by:

- 1) Sumit S. Chaudhari (418001028)
- 2) Amit O. Chaudhary (418001029)
- 3) Gajanan R. Ghitre (418001054)
- 4) Pravin P. Gole (418001060)
- 5) Dhananjay S. Pophale(418001144)

Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)

**Prof. K.T.Patil**

Guide

**Prof. K.T.Patil**

Project co-ordinator

**Prof. G.S. Dhage**

HOD

**Dr. R.S. Pawar**

Principal

**Department of Mechanical Engineering**

**SHREEYASH COLLEGE OF ENGINEERING & TECHNOLOGY,  
AURANGABAD, 431005.**

**Year 2016-17**



## CERTIFICATE

This is to certify that the project report entitled  
**“WORKING MODEL OF STEAM TURBINE”**

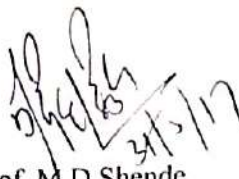
Submitted by

- 1) Bavage Akash Bandeppa (418001015)
- 2) Gite Umesh Anna (418001058)
- 3) Markad Ganesh Gangadhar (418001121)
- 4) Bhadve Sunil Rayban(418001017)
- 5) Kore Sidheshwar Jalindar (418001102)

Has completed project as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. M.D. Shende

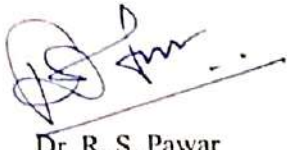
Guide

  
Prof. K.T. Patil

project co-ordinator

  
Prof. G.S. Dhage

HOD

  
Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

**Shreyash College of Engineering & Technology, Aurangabad**

Year 2016-17



CERTIFICATE

This is to certify that the Project report entitled  
"CABINET FOOD DRYER FOR MULTI FOOD SPECIES"

Submitted by  
Name of students

- |                           |                            |
|---------------------------|----------------------------|
| 1. DESHPANDE OMKAR SANJAY | 2. BAVISKAR TANMAY AVINASH |
| 3. DESHPANDE NINAD SUSHIL | 4. BAISANE VISHAL BHARAT   |

has completed as per the requirement of Dr. Babasaheb  
Ambedkar Marathwada University in partial fulfilment of degree  
B.E. (Mechanical)



Guide

Prof. D.A. Deshmukh



Head of Department

Prof. G.S. Dhage



Principal

Dr. R.S. Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17

# CERTIFICATE

This is to certify that the project entitled  
**ANALYSIS OF VEHICLE MILEAGE USING INTERNET OF THINGS**

Submitted by

**Gulve Sagar Hiranman (418001064)**

**Patil Chandrashekhar Bhagwan (418001136)**

**Pawar Vivek Valmik (418001140)**

**Shrawane Shubham Kapil (418001169)**

is completed as per the requirements of the Dr. Babasaheb Ambedkar Marathwada University in partial fulfillment of degree of Bachelor of Engineering (Mechanical Engg.) for the academic year 2016-2017

  
Prof. N.S. Dongare

Guide

  
Prof. G.S. Dhage

Head of Department

  
Dr. R.S. Pawar

Principal



**Department of Mechanical Engineering**

**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY,**

**AURANGABAD**

**YEAR 2016-2017**



## CERTIFICATE

This is to certify that the project report entitled  
**"THREE WAY DROPPING DUMPER"**

Submitted by

Govind Pandurang Munde (418001126)

Anil Kachru Karangale (418001091)

Prasanna Balasaheb Karnewar (418001092)

Nilesh Kakasaheb Nikam (418001128)

Deepak Pandharinath Karad (418001090)


Has completed project as per the requirement of


**Dr. Babasaheb Ambedkar Marathwada University,**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. S. A. Shimple  
Guide

  
Prof. K. T. Patil  
Project Coordinator

  
Prof. G. S. Dhage  
H.O.D

  
Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering

Shreyash College of Engineering & Technology, Aurangabad

Year 2016-17





**CERTIFICATE**

This is to certify that the Project report entitled  
**“Performance Testing and Modeling of Stirling Engine”**

Submitted by:


- |                     |             |                  |             |
|---------------------|-------------|------------------|-------------|
| 1. Vishal Wagh      | (418001195) | 2. Aditya Dande  | (418001039) |
| 3. Dinesh Bachkar   | (418001006) | 4. Naseem Shaikh | (418001161) |
| 5. Shubham Sonawane | (418001175) |                  |             |

It is completed as per the requirements of


**Dr. Babasaheb Ambedkar Marathwada University**


in fulfillment of degree of B.E (Mechanical)

For academic year 2016-17

  
Prof. M.D. Shende  
Guide

  
Prof. K.T. Patil  
Project Coordinator

  
Prof. G. S. Dhage  
H.O.D

  
Prof. Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

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**“THREE WAY DROPIING DUMPER**

Submitted by

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Anil Kachru Karangale (418001091)

Prasanna Balasaheb Karnewar (418001092)


Nilesh Kakasaheb Nikam (418001128)


Deepak Pandharinath Karad (418001090)

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Prof. K. T. Patil  
Project Coordinator

  
Prof. G. S. Dhage  
H.O.D

  
Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
Shreyash College of Engineering & Technology, Aurangabad  
Year 2016-17



CERTIFICATE

This is to certify that the Project report entitled  
“AUTOMATIC CONTROL SIGNAL OPERATED RAOD BLOCHER BY USING  
ELECTRICITY FROM SPEED BRAKER”

Submitted by  
Name of students


- |  |   |
|--|---|
| 1) Shinde Shubham V. (Seat no. 418001168)  | 2) Chavan sunil D. (Seat No.418001035)  |
| 3) Tupe Hrishikesh A. ( Seat No.418001187) | 4) Thombre Rohan P. (Seat No.418001185) |
| 5) Thombre Akshay R. (Seat No.418001184)   |   |

Has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfillment of degree  
B.E. (Mechanical)

  
Guide

Prof.D.A.Deshmukh

  
Head of Department  
Prof. G.S.Dhage

  
Principal  
1/6/17  
Dr.R.S.Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certified that the project report entitled

**“AUTOMATIC FLOATING WASTE COLLECTOR”**

Submitted by

**RATHOD MANOJ R. (418001150)**

**PUND VASANT M. (418001145)**

**PUNGLER RAHUL R. (418001146)**

**RATHOD JIWAN S. (418001149)**

Has completed as per the requirement of **Dr. Babasaheb**

**Ambedkar Marathwada University** in Partial fulfilment of degree

**B.E. (Mechanical)**

**Prof. M. S. WALUNJKAR**  
GUIDE

**Prof. K. T. PATIL**  
PROJECT CO-ORDINATOR

**Prof. G. S. DHAGE**  
H.O.D.

**Dr. R. S. PAWAR**  
PRINCIPAL

**Department of Mechanical Engineering**

**Shreyash College of Engineering and Technology**

**Academic Year 2016-17**



## CERTIFICATE

This is to certify that the project report entitled

**“Utilization of condenser waste heat for hot and cold application”**

Submitted by

- 1) BANSODE PADMAKAR B.(418001012)
- 2) GORDE RAVINDRA U. (418001061)
- 3) AMBORE YOGESH R. (418001002)
- 4) SONKAMBLE SATISH R. (418001176)
- 5) KOTHALKAR AKSHAY N.(418001104)

Has completed project as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

Prof.K.T.Patil

Guide

Prof.K.T.Patil

project co-ordinator

Prof. G.S. Dhage

HOD

Dr. R. S. Pawar

Principal

**Department of Mechanical Engineering**

**Shreyash College of Engineering & Technology, Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the Project report entitled  
“AUTOMATIC SORTING MACHINE”

Submitted by

- 1) Gaikwad Sachin K. (418001051)
- 2) Babar Nikhil S. (418001005)
- 3) Shevante Pramod B. (418001165)
- 4) Gaikwad Ganesh B. (418001050)

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B.E. (Mechanical)

  
Prof. V. W. PATIL

Guide

  
Prof. K. T. PATIL

Project Co-ordinator

  
Prof. G. S. DHAGE

H.O.D

  
Dr. R. S. PAWAR

Principal

Department of Mechanical Engineering  
Shreyash College of Engineering and Technology  
Aurangabad  
Year 2016-17



CERTIFICATE

This is to certify that the Project report entitled  
**“DEVELOPMENT AND FABRICATION OF MULTI-PURPOSE  
AGRICULTURAL VEHICLE”**

Submitted by

GHUGE ABHIJEET (Exam Seat No.418001056)  
BODKHE RAHUL (Exam Seat No.418001024)  
AUTADE ANIRUDDHA (Exam Seat No.418001004)  
SURWASE AKSHAY (Exam Seat No.418001179)

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B.E. (Mechanical)

Prof. A. J. KARADKHELE

Guide

Prof. G. S. DHAGE

H.O.D.

Dr. R. S. PAWAR

PRINCIPAL

**Department of Mechanical Engineering**

**S.Y.C.E.T. Aurangabad**

**Year 2016-17**



**CERTIFICATE**

This is to certify that the Project report entitled  
**“SPATIAL AGITATOR”**

Submitted by

**SANKET JOSHI  
SHISHUPAL DAGDE**

**YOGESH SAPKAL  
VAIBHAV SIRSAT**

**SHUBHAM GORE**

Has completed as per the requirement of **Dr. Babasaheb  
Ambedkar Marathwada University** in partial fulfilment of degree  
**B.E. (Mechanical)**

Guide

**Prof. M.S. WALUNJKAR**

Head of Department  
**Prof. G.S. Dhage**

Principal 1/6/19

**Dr. R.S. Pawar**

Department of Mechanical Engineering  
**Shreeyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017





### CERTIFICATE

This is to certify that the Project report entitled  
"Product Transfer Line"  
Submitted by

1. Pravin Pathak (41337)
2. Onkar Pingale (41340)
3. Yogesh Shelke (41349)
4. Ajinkya Surashe (41353)
5. Aditya Wasadikar (41356) *Aditya*

has completed as per the requirement of **Dr. Babasaheb Ambedkar Marathwada University** in partial fulfilment of degree

B.E. (Mechanical)

*[Signature]*  
Guide

Prof. A.S.Adkine

*[Signature]*  
Head of Department

Prof.G.S.Dhage

*[Signature]*  
Principal

Dr.R.S.Pawar

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



## **CERTIFICATE**

This is to certified that the project report entitled  
**“DESIGN AND FABRICATION OF SQUARE HOLE DRILLING  
MACHINE TOOL”**

Submitted by

**GOKHALE SHUBHAM G.  
HANUMANTE SUNIL M.  
NARWADE AMOL S.**

Has completed as per the requirement of Dr. Babasaheb Ambedkar

Marathwada University in Partial fulfilment of degree

B.E. (Mechanical)

  
Prof. A. U. Karadkhele

Guide

  
Prof. G. S. Dhage

Head of Department

  
Dr. R. S. Pawar

Principal

**Department of Mechanical Engineering**

**Shreyash College of Engineering and Technology**

**Academic Year 2016-17**



## CERTIFICATE

This is to certify that the Project report entitled  
“AUTOMATIC WALL PAINTING ROBOT”

Submitted by

**Name of students**

Vilas U. Somase


Balaji K. Kamble


Nitin V. Rathod

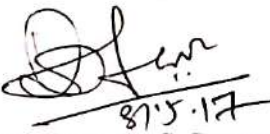
Shubham B.Chavan

Yogesh H. Mankar

has completed as per the requirement of **Dr. Babasaheb**  
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B.E. (Mechanical)

  
Prof. A.R. Umkar  
Guide

  
Prof. G.S. Dhage  
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Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



This is to certify that the Project report entitled  
“AUTOMATIC WALL PAINTING ROBOT”

Submitted by

**Name of students**

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Balaji K. Kamble


Nitin V. Rathod


Shubham B.Chavan

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Prof. A.R. Mankar  
Guide

  
Prof. G.S. Dhage  
Head of Department

  
Prof. Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



**CERTIFICATE**

This is certify that the project report entitled  
**“PNEUMATIC STAMPING MACHINE”**

**Submitted by**

Aditya Kathar(418001093)


Yogesh Shahane(418001160)

Akshay Gundawar(418001065)

**Has completed as per requirement of**

**Dr. Babasaheb Ambedkar Marathwada University**

**in partial fulfillment of degree BE (Mechanical)**

  
31/05/17  
Prof. S.A. Shimple

  
Prof. K.T. Patil

  
Prof. G.S. Dhage

  
Dr. R.S. Pawar

**Guide**

**Project co-ordinator**

**Head of Department**

**Principal**

**Department of Mechanical Engineering**

**Shreyash College of Engineering & Technology Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the project entitled

**“Design and Fabrication of Setup for Plastic Waste to Usefully Products”**

Submitted by

1. Korke Akshaydeep Hariom (418001103)
2. Kanole Madhav Anandrao(418001089)
3. Khandekar Rahul Ashok (418001099)
4. Chavan Vivekanand Vinayak (418001036)
5. Nandnavare Jitesh Anand(418001130)

Is completed as per the requirements of the **Dr. Babasaheb Ambedkar Marathwada University** in partial fulfilment of degree of B.E. (Mechanical)

For the academic year 2016-2017.

Prof. K.T.Patil

Project Guide

Prof.K.T.Patil

Project co-ordinator

Prof. G.S.Dhage

HMED

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

SHREYASH COLLEGE OF ENGINEERING AND TECHNOLOGY

AURANGABAD

YEAR 2016-2017



## CERTIFICATE

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4. Chavan Vivekanand Vinayak (418001036)
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For the academic year 2016-2017.

Prof. K.T.Patil

Project Guide

Prof.K.T.Patil

Project co-ordinator

Prof. G.S.Dhage

HMED

Dr. R. S. Pawar

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Department of Mechanical Engineering

**SHREYASH COLLEGE OF ENGINEERING AND TECHNOLOGY**

**AURANGABAD**

**YEAR 2016-2017**




## CERTIFICATE


This is to certify that the Project report entitled  
“Development Of Flywheel Using Spring Mass System”

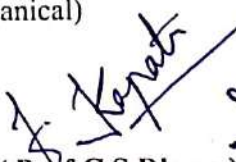
Submitted by

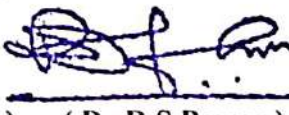
Ajay Shivajirao Doifode (418001047)  
Ravikant Sundarrao Gadale (418001048)  
Venkatesh Ashok Motewar (418001124)  
Purushottam Sopan Bhosale (418001020)

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( Prof. J.K. Bhor )  
(Guide)

  
( Prof. K.T. Patil )  
(Co-ordinator)

  
( Prof. G.S. Dhage )  
(HMED)

  
( Dr. R.S. Pawar )  
(Principal)

Department of Mechanical Engineering  
SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY.  
AURANGABAD

Year 2016-17





MISSION EDUCATION

CERTIFICATE

This is to certify that the Project report entitled  
"TROUBLESHOOTING IN DUST COLLECTOR"

Submitted by

Name of students

**ANIRUDH ARVIND TUGAWE**

has completed as per the requirement of **Dr. Babasaheb  
Ambedkar Marathwada University** in partial fulfilment of degree

B.E. (Mechanical)

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**Project co-ordinator**

**Prof.K.T. PATIL**

**Head of Department**

**Prof.G.S. DHAGE**

**Principal**

**Dr. R. S. PAWAR**

**Department of Mechanical Engineering**

**S.Y.C.E.T. Aurangabad**

**Year 2016-17**



CERTIFICATE

This is to certify that the Project report entitled  
“Performance Investigation of DSSC using Natural Dyes”

Submitted by:

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 1) Kunal U. Padmawar (418001134)  | 4) Ashwini V. Sable (418001156)   |
| 2) Sanjay B. Rathod (418001153)   | 5) Sukannya K. Ragade (418001147) |
| 3) Pravin R. Pawankar (418001137) | 6) Shilpa D. Rathod (418001154)   |

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**Dr. Babasaheb Ambedkar Marathwada University**  
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Prof. K. T. Patil  
Guide

Prof. K. T. Patil  
Project Coordinator

Prof. G. S. Dhage  
H.O.D

Prof. Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
"Product Transfer Line"  
Submitted by

1. Pravin Pathak (41337)
2. Onkar Pingale (41340)
3. Yogesh Shelke (41349)
4. Ajinkya Surashe (41353)
5. Aditya Wasadikar (41356)

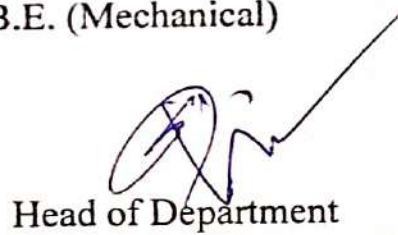
has completed as per the requirement of **Dr. Babasaheb Ambedkar Marathwada University** in partial fulfilment of degree

B.E. (Mechanical)



Guide

Prof. A.S. Adkine



Head of Department

Prof. G.S. Dhage



Principal

Dr. R.S. Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled

### **"AUTOMATIC DUST DETECTION MECHANISM FOR SOLAR PANEL CLEANING SYSTEM"**

Submitted by

1) RAHUL B. INGLE (418001071)

2) RAVINDRA S. CHAVAN (418001033)

3) RAMESHWAR R. KONDKE (418001101)

4) NISHANT V. MAHADANE (418001115)

5) VISHNU D. PHUKE (418001141)

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**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

Prof. K. V. Nemade

Guide

Prof. K. T. Patil

Project co-ordinator

Prof. G. S. Dhage

HOD

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

Shreeyash College of Engineering & Technology, Aurangabad

Year 2016-17



This is to certify that the Project report entitled


**“SOLAR DESALINATION BY USING  
HEXAGONAL PYRAMID”**

Submitted by

**SHUBHAM KAWADE (418001097)**  
**VIVEK THAKUR (418001182)**


**PRASAD LAHARE (418001113)**  
**SUDARSHAN MUNDHE (418001204)**

has completed as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
in fulfilment of degree  
B.E. (Mechanical)

  
**Prof. G. S. DHAGE**  
Guide

  
**Prof. K. T. PATEL**  
Project Co-ordinator

  
**Prof. G. S. DHAGE**  
Head of Department

  
**Dr. R.S. PAWAR**  
Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
"AUTOMATIC WALL PAINTING ROBOT"

Submitted by

Name of students

Vilas U. Somase

Balaji K. Kamble

Nitin V. Rathod

Shubham B.Chavan

Yogesh H. Mankar

has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfilment of degree  
B.E. (Mechanical)

Prof. A.K. Umalkar

Guide

Prof. G.S. Dhage

Head of Department

Prof. Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



**CERTIFICATE**


This is to certify that the Project report entitled


**Electricity Generation By Using Animal Power**

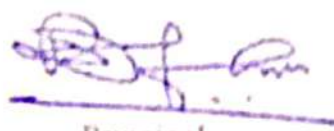
Submitted by

- 1) Shubham B.Gholap (418001055)
- 2) Hemant D.Chavan (418001032)
- 3) Shrikant S. Jadhav (418001076)
- 4) Mankoji N. Jaybhaye (418001080)
- 5) Dhananjay S. Kale (418001084)

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Guide  
Prof. Y.T. Gavhane

  
Head Of Department  
Prof. G.S. Dhage

  
Principal  
Dr. R.S. Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



CERTIFICATE

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**"Electricity Generation By Using Animal Power"**

Submitted by

- 1) Shubham B.Gholap (418001055)
- 2) Hemant D.Chavan (418001032)
- 3) Shrikant S. Jadhav (418001076)
- 4) Mankoji N. Jaybhaye (418001080)
- 5) Dhananjay S. Kale (418001084)

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B.E. (Mechanical)



Guide  
Prof. Y.T. Gavhane



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Prof. G.S. Dhage



Principal  
Dr. R.S. Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17







## CERTIFICATE

This is to certify that the project report entitled  
"WATER LIFTING SYSTEM WITH HELP OF SOLAR ENERGY"

Submitted by

Aditya Annasaheb Jagdale (418001203)

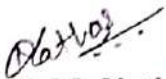
Akshay Eshwarlal Gudhaniye (418001063)

Prashant Janardhan Kathar (418001094)

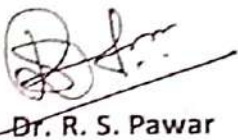
Krishna Vitthalrao Gample (418001052)

Vishal Tulshiram Koushalye (418001096)

Has completed as per requirement of Dr. Babasaheb Ambedkar Marathwada  
University in partial fulfillment of degree B.E. (Mechanical).

  
Prof. N. M. Kathar  
Guide

  
Prof. G. S. Dhage  
HOD

  
Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
S. Y. C. E. T. Aurangabad  
Year 2016-2017



## CERTIFICATE

This is to certify that the project report entitled  
**"ROCKER BOGIE SUSPENTION SYSTEM"**

1. Mane Kevalaji S (418001201).
2. Ibitwar Ashok S. (418001069)

3. Sonwane Sadanand P.(418001177)
4. Pitale Dnyaneshwar B.(418001143)


**Submitted by**

Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)




Prof. A.S. Ingle

Guide



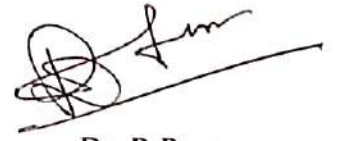
Prof. K. T. Patil

project co-ordinator



Prof. G. S. Dhage

HOD



Dr. R. Pawar

Principal

**Department of Mechanical Engineering**

**Shreeyash College of Engineering & Technology, Aurangabad**

Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled  
**“ARTIFICIAL INTELLIGENCE SOLAR PANEL CLEANING  
MECHANISM”**


Submitted by


- |                                     |                                 |
|-------------------------------------|---------------------------------|
| 1) Kadam Bhagwat B. (418001082)     | 2) Rathod Nilesh T. (418001151) |
| 3) Sonawane Satish V. (418001174)   | 4) Yadmal Sagar D. (418001199)  |
| 5) Manchewar Gajanan P. (418001118) |                                 |


Has completed project as per the requirement of

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In partial fulfillment of degree B.E. (Mechanical)

  
Prof. K.V. Nemade  
Guide

  
Prof. K.T. Patil  
Project Coordinator

  
Prof. G.S. Dhage  
H.O.D

  
Dr. R.S. Pawar  
Principal

**Department of Mechanical Engineering**

**Shreeyash College of Engineering & Technology, Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the project report entitled

### **“ARTIFICIAL INTELLIGENCE SOLAR PANEL CLEANING MECHANISM”**


Submitted by

- 1) Kadam Bhagwat B. (418001082)
- 2) Rathod Nilesh T. (418001151)
- 3) Sonawane Satish V. (418001174)
- 4) Yadmal Sagar D. (418001199)
- 5) Manchewar Gajanan P. (418001118)

Has completed project as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. K.V. Nemade  
Guide

  
Prof. K.T. Patil  
Project Coordinator

  
Prof. G.S. Dhage  
H.O.D

  
Dr. R.S. Pawar  
Principal

**Department of Mechanical Engineering**

**Shreyash College of Engineering & Technology, Aurangabad**

**Year 2016-17**



## CERTIFICATE

This is to certify that the project report entitled  
**“DESIGN & CONSTRUCTION OF COMBINED AXIS  
WIND MILL TURBINE FOR MAXIMISE EFFICIENCY”**

Submitted by:

- |                                     |                                  |
|-------------------------------------|----------------------------------|
| 1) Sumit S. Chaudhari (418001028)   | 2) Amit O. Chaudhary (418001029) |
| 3) Gajanan R. Ghitre (418001054)    | 4) Pravin P. Gole (418001060)    |
| 5) Dhannanjay S. Pophale(418001144) |                                  |

Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)

**Prof. K.T. Patil**

Guide

**Prof. K.T. Patil**

Project co-ordinator

**Prof. G.S. Dhage**

HOD

**Dr. R. S. Pawar**

Principal

**Department of Mechanical Engineering**  
**SHREEYASH COLLEGE OF ENGINEERING & TECHNOLOGY,**  
AURANGABAD, 431005.

Year 2016-17



## CERTIFICATE

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**"ROCKER BOGIE SUSPENTION SYSTEM"**

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**Submitted by**

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In partial fulfillment of degree B.E. (Mechanical)

Prof. A.S. Ingle

Guide

Prof. K. T. Patil

project co-ordinator

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Dr. R. Pawar

Principal

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**Shreyash College of Engineering & Technology, Aurangabad**

Year 2016-17



This is to certify that the Project report entitled

**“SOLAR DESALINATION BY USING  
HEXAGONAL PYRAMID”**

Submitted by

**SHUBHAM KAWADE (418001097)**

**PRASAD LAHARE (418001113)**

**VIVEK THAKUR (418001182)**


**SUDARSHAN MUNDHE (418001204)**

has completed as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

in fulfilment of degree

**B.E. (Mechanical)**

  
**Prof. G. S. DHAGE**

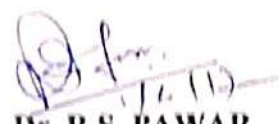
**Guide**

  
**Prof. E. M. DANDEKAR**

**Project Co-ordinator**

  
**Prof. G. S. DHAGE**

**Head of Department**

  
**Dr. R.S. PAWAR**

**Principal**

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17





## CERTIFICATE

This is to certify that the project report entitled

**“REDUCTION IN REJECTION ON CNC MACHINE & REDUCE MATERIAL HANDLING LOSSES”**

Submitted by

- |                                       |   |
|---------------------------------------|---|
| 1) Rajkumar Namdev Vighne (418001190) | 2) Ganesh Rajeshwar Kalkute (418001086) |
| 3) Raju Vitthal Sanap (418001158)     | 4) Ganesh Machindra Garje (418001053)   |
| 5) Vaibhav Mahadev Mundhe (418001127) | 6) Ganesh Balasaheb Kale (418001085)    |

Has completed project as per the requirement of

**Dr. Babasaheb Ambedkar Marathwada University**

In partial fulfillment of degree B.E. (Mechanical)

  
Prof. Deepak Pawar

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Prof. K. T. Patil

Project Coordinator

  
Prof. G. S. Dhage

H.O.D

  
Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

Shreeyash College of Engineering & Technology, Aurangabad

Year 2016-17



CERTIFICATE

This is to certify that the Project report entitled  
**“DEVELOPMENT AND FABRICATION OF MULTI-PURPOSE  
AGRICULTURAL VEHICLE”**


Submitted by

GHUGE ABHJEET (Exam Seat No 418001056)  
BODKHE RAHUL (Exam Seat No 418001024)  
AUTADE ANIRUDDHA (Exam Seat No 418001004)  
SURWASE AKSHAY (Exam Seat No 418001179)

Has completed as per the requirement of **Dr. Babasaheb  
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B.E. (Mechanical)

  
Prof. A. U. KARADKHELE  
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Prof. G. S. DHAGE  
H.O.D.

  
Dr. R. S. PAWAR  
PRINCIPAL

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled

**“PROCESSING SETUP TO PRODUCE BIODIESEL AND IT'S BLENDS”**

Submitted by

- 1) Nakade Krishna Chandrabhan (418001129)
- 2) DendeDeshodhanBhagwat (418001040)
- 3) JadhavShriramArun (418001077)
- 4) ChandeSopanHaridas (418001027)
- 5) Bharsakhare Nikhil Siddharth (418001018)

Has completed project as per the requirement of

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In partial fulfillment of degree B.E. (Mechanical)

  
Prof. S.A. Shimple

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Prof. K.T. Patil

Project co-ordinator

  
Prof. G.S. Dage

HOD

  
Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

Shreyash College of Engineering & Technology, Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled

**"POWER OPERATED MULTI-NUT OPENING MACHINE"**

**Submitted by**

Kandi Akshay Ramdas (Roll No.41229)

Kulkarni Prasad Ratnakarrao (Roll No.41307)

Kulkarni Yogesh Padmakar (Roll No.41270)

Hundiwale Swapnil Prabhakar (Roll No.41302)

Sanap Rahul Sakharam (Roll No.41347)

Has completed as per the requirement of **Dr. Babasaheb  
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Prof. A. R. Umkar

**Guide**

  
Prof. G. S. Dhage

**Head of Department**

  
Dr. R. S. Pawar

**Principal**

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016 - 17



### CERTIFICATE

This is to certify that the Project report entitled  
"DESIGN AND FABRICATION OF U-TUBE SOLAR HEAT PIPE"

Submitted by

JADHAV YOGESH S (418001078)	LADE SHUBHAM V (418001111)
SHIND LAHU B (418001167)	SHELKE YOGIRAJ S (418001164)
THITE SURAJ S (418001183)	

Has completed as per the requirement of  
Dr. Babasaheb Ambedkar Marathwada University in Partial Fulfilment of Degree  
of  
Bachelor of Engineering (Mechanical)

Prof. K.T. Patil

Co-Guide

Prof. G. N. Deshpande

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Prof. G. S. Dhage

H.O.D.

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled

**-Utilization of condenser waste heat for hot and cold application-**

Submitted by


- 1) BANSODE PADMAKAR B. (418001012)      2) GORDE RAVINDRA U. (418001061)  
3) AMBURE YOGESH R. (418001002)      4) SONKAMBLE SATISH R. (418001176)  
5) KOTHALKAR AKSHAY N. (418001104)

Has completed project as per the requirement of  
Dr. Babasaheb Ambedkar Marathwada University  
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Prof. K. T. Patil  
Guide

  
Prof. K. T. Patil  
project co-ordinator

  
Prof. G. S. Dhanage  
HOD

  
Dr. K. S. Pawar  
Principal

Department of Mechanical Engineering  
Shreeyash College of Engineering & Technology, Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled

### **“AUTOMATIC BRAKE FAILURE INDICATOR AND BRAKING SYSTEM”**

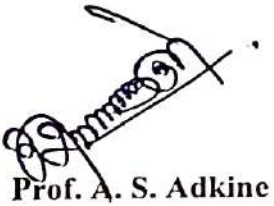
Submitted by

- 1) Maske Radhakishan Ganeshrao (418001122)
- 2) Mahajan Vrushabh Manohar (418001117)
- 3) Surwase Satish Nagnath (418001180)
- 4) Moharir Balbhim Pradip (418001123)
- 5) Kedar Vijay Digambar (418001098)

Has completed project as per the requirement of

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

In partial fulfillment of degree B.E. (Mechanical)



Prof. A. S. Adkine

Guide



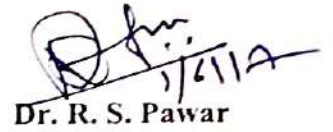
Prof. K. T. Patil

Project Co-ordinator



Prof. G. S. Dhage

H.O.D



Dr. R. S. Pawar

Principal

DEPARTMENT OF MECHANICAL ENGINEERING

SHREYASH COLLEGE OF ENGINEERING & TECHNOLOGY, AURANGABAD

YEAR 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
**“Android Controlled Pick and Place Robot System”**

Submitted by

1. BARVE NIKHIL J. [418001014]

4. BANSWAL SWAPNIL R. [418001013]

2. WAGHMODE MACHINDRA B. [418001197]

5. JADHAV KISHOR N. [418001073]

3. WADEKAR RAMESHWAR U. [418001192]

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**Ambedkar Marathwada University** in partial fulfilment of degree  
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Guide

Prof. M.S. Walunjkar

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Prof. K.T. Patil

Head of Department

Prof. G.S. Dhage

Principal

Dr. R.S. Pawar

Department of Mechanical Engineering  
Shreeyash College Of Engineering & Technology, Aurangabad

Year 2016-2017





## CERTIFICATE

This is to certify that the project report entitled

### **“AUTOMATIC BRAKE FAILURE INDICATOR AND BRAKING SYSTEM”**


Submitted by

- 1) Maske Radhakishan Ganeshrao (418001122)
- 2) Mahajan Vrushabh Manohar (418001117)
- 3) Surwase Satesh Nagnath (418001180)
- 4) Moharir Balbhim Pradip (418001123)
- 5) Kedar Vijay Digambar (418001098)

Has completed project as per the requirement of

**DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**

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Prof. A. S. Adkine


Guide

  
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Prof. G. S. Dhage

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DEPARTMENT OF MECHANICAL ENGINEERING

SHREEYASH COLLEGE OF ENGINEERING & TECHNOLOGY, AURANGABAD

YEAR 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
**MULTIPURRPOSE EVAPORATIVE AIR COOLER**

Submitted by

**Amit Bhagwan Mahajan (BE418001116)**

**Gopal Balabhau Bodkhe (BE418001023)**

**Subodh Dattatraya Bihade (BE418001021)**

**Shriram Arvind Mane (BE418001119)**

**Yogesh Uttam Kotkar (BE418001105)**

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Prof. A. C. Karadkhele

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Prof. K. T. Patil

Project Co-ordinator

Prof. G. S. Dhage

Head of Department

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering  
**Shreeyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017



## CERTIFICATE

This is certify that the project report entitled  
“PNEUMATIC STAMPING MACHIINE”

Submitted by

Aditya Kathar(418001093)

Yogesh Shahane(418001160)

Akshay Gundawar(418001065)

Has completed as per requirement of

Dr. Babasaheb Ambedkar Marathwada University

in partial fulfillment of degree BE (Mechanical)

  
Prof. S.A. Shimple

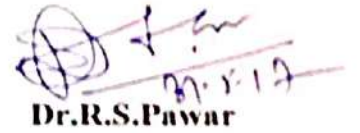
Guide

  
Prof. K.T. Patil

Project co-ordinator

  
Prof. G.S. Dhuge

Head of Department

  
Dr. R.S. Pawar

Principal

Department of Mechanical Engineering

Shreeyash College of Engineering & Technology Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled  
**“WORKING MODEL OF STEAM TURBINE”**

Submitted by

- 1) Bavage Akash Bandeppa (418001015)
- 2) Gite Umesh Anna (418001058)
- 3) Markad Ganesh Gangadhar (418001121)
- 4) Bhadve Sunil Rayban(418001017)
- 5) Kore Sidheshwar Jalindar (418001102)

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Prof. M.D. Shende

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project co-ordinator

Prof. G.S. Dhage

HOD

Dr. R. S. Pawar

Principal

Department of Mechanical Engineering

**Shreyash College of Engineering & Technology, Aurangabad**

Year 2016-17



### CERTIFICATE

This is to certify that the Project report entitled

### 'POWER OPERATED MULTIPLE OPENING MACHINE'

Submitted by

Karthi Alagesh Kumar (Roll No. EE1220)

Kallan Prasad Ramakrishna (Roll No. EE107)

Kallan Vignesh Padmakar (Roll No. EE170)

Mandirani Srinath Prabhakar (Roll No. EE102)

Surya Babu Subraman (Roll No. EE107)

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B.E. (Mechanical)

  
Prof. A. K. Umashankar  
Guide

  
Prof. C. S. Srinivas  
Head of Department

  
Prof. S. Pavan  
Principal

Department of Mechanical Engineering

S. T. C. E. T. Anaparthi

Year 2014 - 17



MISSION EDUCATION

**CERTIFICATE**

This is to certify that the project entitled

**“TWO WHEELER MILEAGE TESTING MACHINE”**

Submitted by

**NIKAM HITESH J. [BRY01701]**

**SANGVE KRUSHIKESH S. [BRY01703]**

Is completed as per the requirements of the Dr. Babasaheb Ambedkar  
Marathawada University in partial fulfillment of degree of B.E. (Mechanical)

For the academic year 2016-2017.

*Mirsat*  
30/05/2017

Asst. Prof. M. D.Sirsat

Guide

Prof. G.S.Dhage

HOD

*Kapate*

Pro. K.T.Patil

Pro. Co-ordinator

Dr. R.S.Pawar

f Principal

Department of Mechanical Engineering

**SHREEYASH COLLEGE OF ENGINEERING AND TECHNOLOGY**

AURANGABAD.

YEAR 2016-2017.



CERTIFICATE

This is to certify that the Project report entitled  
"DESIGN AND FABRICATION SPIRAL SOLAR HEAT PIPE"

Submitted by

- |                                |                                 |
|--------------------------------|---------------------------------|
| 1) ARU SATYAM V. (418001003)   | 2) BALLAL MAHENDRA (418001011)  |
| 3) CHAVAN ASHOK J. (418001031) | 4) DHAWALE JITEN B. (418001046) |
| 5) DIGHE PRAVIN J. (418001200) |                                 |

has completed as per the requirement of  
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B.E. (Mechanical)

Prof. K. T. PATIL  
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Prof. G. S. DHAGE  
H.O.D

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Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



**CERTIFICATE**

This is to certify that the Project report entitled  
"DESIGN AND FABRICATION SPIRAL SOLAR HEAT PIPE"

Submitted by

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5) DIGHE PRAVIN J. (418001200)

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**B.E. (Mechanical)**

Prof. K. T. PATIL

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Prof. K. T. PATIL

Project Coordinator

Prof. G. S. DHAGE

H.O.D

Dr. R. S. PAWAR

Principal

Department of Mechanical Engineering

S.Y.C.E.T. Aurangabad

Year 2016-17



# CERTIFICATE

This is to certify that the project report entitled


## COTTON SEED SOWING MACHINE


Submitted by

- 1) JADHAV GAURAV K. (418001072)
- 2) BORADE AMOL G. (418001025)
- 3) SOLUNKE PRAKASH B. (418001172)
- 4) JADHAV RAHUL R. (418001074)
- 5) MAGAR AMOL S. (418001114)

is completed as per the requirement of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in Partial fulfillment of degree of Bachelor of Engineering (Mechanical Engineering).

  
Prof. N. S. Dongare  
Guide

  
Prof. G. S. Dhage  
Head of Department

  
Dr. R. S. Pawar  
Principal



Department of Mechanical Engineering  
Shreeyash College of Engineering and Technology, Aurangabad  
Academic Year 2016-17



## CERTIFICATE

This is to certified that the project report entitled  
"AUTOMATIC FLOATING WASTE COLLECTOR"

Submitted by

RATHOD MANOJ R. (418001150)

PUND VASANT M. (418001145)

PUNGLER RAHUL R. (418001146)

RATHOD JIWAN S. (418001149)

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B.E. (Mechanical)

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GUIDE

Prof. K. T. PATIL  
PROJECT CO-ORDINATOR

Prof. G. S. DHAGE  
H.O.D.

Dr. R. S. PAWAR  
PRINCIPAL

Department of Mechanical Engineering

Shreeyash College of Engineering and Technology

Academic Year 2016-17



## CERTIFICATE

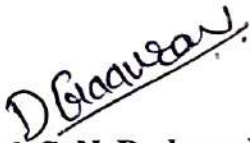
This is to certify that the project report entitled  
**“DESIGN AND FABRICATION OF SOLAR DRYER”**


Submitted by


- 1) VIKRANT M. TANDEL (418001181)
- 2) PRASAD M. NAVGIRE (418001205)
- 3) SUMEET S. INGALE (418001070)
- 4) AKSHAY B. LAHANE (418001112)
- 5) RAHUL J. MUGUTMAL (418001125)


Has completed project as per the requirement of  
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In fulfillment of degree B.E. (Mechanical)

  
Prof. G. N. Deshpande  
Guide

  
Prof. K. T. Patil  
Co-Guide

  
Prof. G. S. Dhage  
H.O.D.

  
Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
Shreyash College of Engineering & Technology, Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled

### "HYDRAULIC CRANE"

Submitted by

- 1 GAURAV P. RATHOD (418001148)
- 2 SURAJ D. BALKHANDJE (418001010)
- 3 MAHESH R. SOLUNKE (418001171)
- 4 ASHISH P. SHEJWAL (418001162)
- 5 KISHOR R. GIRI (418001057)

Has completed as per the requirement of Dr. Babanabehn  
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Guide

Prof. M.D. Sirsat

Project co-ordinator

Prof. K.T. Patil

Head Of Department

Prof. G.S. Dhage

Principal

Dr. R.S. Pawar

Department of Mechanical Engineering  
Shreeyath College Of Engineering And Technology, Aurangabad

Year 2016-17



## CERTIFICATE

This is to certify that the Project report entitled  
“AUTOMATIC SORTING MACHINE”

Submitted by

- 1) Gaikwad Sachin K. (418001051)
- 2) Babar Nikhil S. (418001005)
- 3) Shevante Pramod B. (418001165)
- 4) Gaikwad Ganesh B. (418001050)

Has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfillment of degree  
B.E. (Mechanical)

  
Prof. V. W. PATIL

Guide

  
Prof. K. T. PATIL

Project Co-ordinator

  
Prof. G. S. DHRAGE

H.O.D

  
Dr. R. S. PAWAR

Principal

Department of Mechanical Engineering  
Shreeyash College of Engineering and Technology  
Aurangabad  
Year 2016-17



CERTIFICATE

This is to certify that the Project report entitled  
"AUTOMATIC CONTROL SIGNAL OPERATED RAOD BLOCHER BY USING  
ELECTRICITY FROM SPEED BRAKER"

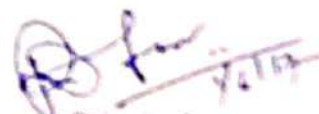
Submitted by  
Name of students

- |  |   |
|--|---|
| 1) Shinde Shubham V. (Seat no. 418001168)  | 2) Chavan sunil D. (Seat No.418001035)  |
| 3) Tupe Hrishakesh A. ( Seat No.418001187) | 4) Thombre Rohan P. (Seat No.418001185) |
| 5) Thombre Akshay R. (Seat No.418001184)   |   |

Has completed as per the requirement of **Dr. Babasaheb  
Ambedkar Marathwada University** in partial fulfillment of degree  
B.E. (Mechanical)

  
Guide  
Prof. D.A. Deshmukh

  
Head of Department  
Prof. G.S. Dhage

  
Principal  
Dr. R.S. Pawar

Department of Mechanical Engineering  
S Y C E T Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certify that the project report entitled

**"DESIGN AND FABRICATION OF SOLAR DRIVER"**


Submitted by

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1) VIKRANT M. TANDEL (4180801181)  | 2) PRASAD M. NAVGIRE (418001205) |
| 3) SUMEET S. INGALE (4180801078)   | 4) AKSHAY B. LAHANE (418001112)  |
| 5) RAHUL J. MUSJUTMAL (4180801125) |                                  |

Has completed project as per the requirement of

Dr. Babasaheb Ambedkar Marathwada University

In fulfillment of degree B.E. (Mechanical)

  
Prof. G. N. Deshpande  
Guide

  
Prof. K. T. Patil  
Co-Guide

  
Prof. G. S. Dhage  
H.O.D.

  
Dr. R. N. Pawar  
Principal

Department of Mechanical Engineering

Shri Chhatrapati Sambhaji Maharaj Vastu Sangrahalaya, Aurangabad

Year 2016-17

# CERTIFICATE

This is to certify that the project report entitled

## COTTON SEED SOWING MACHINE

Submitted by

- 1) JADHAV GAURAV K. (418001072)
- 2) BORADE AMOL G. (418001025)
- 3) SOLUNKE PRAKASH B. (418001172)
- 4) JADHAV RAHUL R. (418001074)
- 5) MAGAR AMOL S. (418001114)

is completed as per the requirement of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in Partial fulfilment of degree of Bachelor of Engineering (Mechanical Engineering).

  
Prof. N. S. Dongare  
Guide

  
Prof. G. S. Dhage  
Head of Department

  
Dr. R. S. Pawar  
Principal



Department of Mechanical Engineering

Shreeyash College of Engineering and Technology, Aurangabad

Academic Year 2016-17





## CERTIFICATE

This is to certify that the Project report entitled  
**MULTIPURRPOSE EVAPORATIVE AIR COOLER**

Submitted by

**Amit Bhagwan Mahajan (BE418001116)**

**Gopal Balabhan Bodkhe (BE418001023)**

**Subodh Dattatraya Bihade (BE418001021)**

**Shriram Arvind Mane (BE418001119)**

**Yogesh Uttam Kotkar (BE418001105)**

has completed as per the requirement of **Dr. Babasaheb**  
**Ambedkar Marathwada University** in partial fulfillment of degree B.E. (Mechanical)

**Prof. A.U. Karadkhele**

Guide

**Prof. K.T. Patil**

Project Co-ordinator

**Prof. G. S. Dhage**

Head of Department

**Dr. R. S. Pawar**

Principal

Department of Mechanical Engineering  
**Shreeyash College Of Engineering & Technology, Aurangabad**

Year 2016-2017




CERTIFICATE


This is to certify that the Project report entitled  
"DESIGN AND FABRICATION SPIRAL SOLAR HEAT PIPE"  
Submitted by

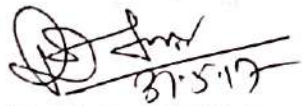
- |                                |                                 |
|--------------------------------|---------------------------------|
| 1) ARU SATYAM V. (418001003)   | 2) BALLAL MAHENDRA (418001011)  |
| 3) CHAVAN ASHOK J. (418001031) | 4) DHAWALE JITEN B. (418001046) |
| 5) DIGHE PRAVIN J. (418001200) |                                 |

has completed as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
in partial fulfilment of degree  
B.E. (Mechanical)

  
Prof. K. T. PATIL  
Guide

  
Prof. K. T. PATIL  
Project Coordinator

  
Prof. G. S. DHAGE  
H.O.D

  
Dr. R. S. PAWAR  
Principal

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



## CERTIFICATE

This is to certified that the project report entitled  
**“DESIGN AND FABRICATION OF SQUARE HOLE DRILLING  
MACHINE TOOL”**

Submitted by

**GOKHALE SHUBHAM G.  
HANUMANTE SUNIL M.  
NARWADE AMOL S.**

Has completed as per the requirement of Dr. Babasaheb Ambedkar

Marathwada University in Partial fulfilment of degree

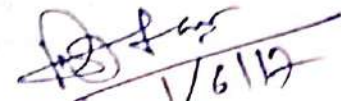
B.E. (Mechanical)

  
Prof. A. U. Karadkhele

Guide

  
Prof. G. S. Dhage

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Dr. R. S. Pawar

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Department of Mechanical Engineering  
Shreyash College of Engineering and Technology

Academic Year 2016-17



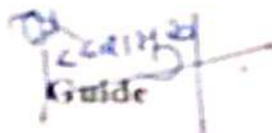
**CERTIFICATE**

This is to certify that the Project report entitled  
**"CABINET FOOD DRYER FOR MULTI FOOD SPECIES"**

Submitted by  
Name of students


1. DESHIPANDE OMKAR SANJAY
2. BAVISKAR TANMAY AVINASH
3. DESHIPANDE NINAD SUSHIL
4. BAISANE VISHAL BHARAT

has completed as per the requirement of Dr. Babasaheb  
Ambedkar Marathwada University in partial fulfilment of degree  
B.E. (Mechanical)

  
Guide

Prof. D.A. Deshmukh

  
Head of Department  
Prof. G.S. Dhage

  
Principal  
Dr. R.S. Pawar

Department of Mechanical Engineering  
S.Y.C.E.T. Aurangabad  
Year 2016-17



**CERTIFICATE**

This is to certify that the project report entitled

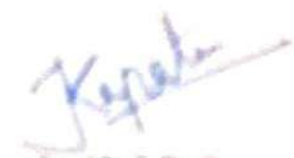
**"Utilization of condenser waste heat for hot and cold application"**

Submitted by


- 1) HANSHI PADMALAKAR ELECTRONICS
- 2) GORDE RAVENDRA E. (ELECTRONICS)
- 3) AMBHIKE VIKASH R. (ELECTRONICS)
- 4) SONKAMBHE SATISH R. (ELECTRONICS)
- 5) KOTHAIAKAR AKSHAY N. (ELECTRONICS)

The completed project is per the requirement of  
Dr. Babasaheb Ambedkar Marathwada University  
in partial fulfillment of degree B.E. (Mechanical)

  
Prof. K. T. Patil  
Guide

  
Prof. K. T. Patil  
project coordinator

  
Prof. G. S. Patil  
HOD

  
Dr. R. S. Pawar  
Principal

Department of Mechanical Engineering  
Shreeyash College of Engineering & Technology, Aarangabad  
Year 2016-17



AMBEDKAR EDUCATION

## CERTIFICATE

This is to certify that the project report entitled

**Design, analysis and manufacturing of Double Wishbone Suspension System of A TV**

Submitted by

- (1) Dandgavhal Tejas Anil (128011013)
- (2) Chaudhari Kanchan Pramodrao (11203)
- (3) Patil Mayur Shivaji (128010761)
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Has completed project as per the requirement of Dr. Babasaheb Ambedkar Marathwada University

In fulfillment of degree B.E. (Mechanical Engineering)

  
Prof. N. S. Dongare

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Year 2018-19



## CERTIFICATE

This is to certify that the project report entitled

**"HYBRID ENERGY GENERATION"**

Submitted by

- 1) Pawar Mahesh Vasant (418001138)
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Has completed project as per the requirement of  
**Dr. Babasaheb Ambedkar Marathwada University**  
In partial fulfillment of degree B.E. (Mechanical)

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Year 2016-17