

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTUK, Accredited by NAAC)

Recognized by UGC under section 2(f) of UGC ACT 1956

Aditya Nagar, ADB Road, Surampalem. Kakinada-533003

2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **"Optimization of Emission by using Gasoline blend fuels & to enhance the performance"** is being submitted by

15P31A0303

ANASURI BALAJI

15P31A0313

CHOWHAN SURAJ HANUMAN SINGH

15P31A0308

CHAKKA PURNA NAGA VIJAY KUMAR

15P31A0304

ARIGI YAMANTH

15P31A0330

KELLA PREM SAGAR

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

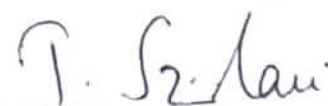
  
Project Guide

M. LAKSHMI

Assistant Professor

Dept. of Mechanical Engineering

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Head of the Department


Dr. T SRIHARI

Professor

Dept. of Mechanical Engineering

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SURAMPALAM-533437

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

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16P35A0311

TEKUMUDI VENKATA KALYAN

16P35A0312

VANUMU ARUN KUMAR

15P31A0312

CHINTHAPALLI SURESH

15P31A0350

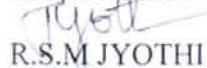
SABBINEEDI SRIDHAR

15P31A0318

LODA ENOCH TEJ

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Project Guide

  
R.S.M. JYOTHI

Assistant Professor

Dept. of Mechanical Engineering

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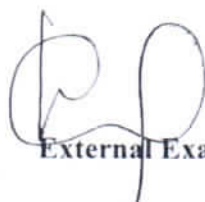
  
Head of the Department

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



## CERTIFICATE

This is to certify that the project entitled "**Design and Fabrication of Hydraulic lift pallet Truck**" is being submitted by

|            |                              |
|------------|------------------------------|
| 15P31A0343 | PARIMI BHARGAVA VENKATA SIVA |
| RAM        |                              |
| 15P31A0351 | SALADI ABHI SAI              |
| 15P31A0320 | GADI SAI KUMAR               |
| 15P31A0352 | SODAPANEEDI SATYA BHASKAR    |
| 15P31A0329 | KATTA NAGA SATYA DURGA SHIVA |
| SHANKAR    |                              |

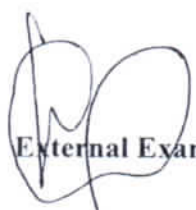
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Project Guide

R.GAYATRI DEVI  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Gym Bike**" is being submitted by

16P35A0310

SRIMANTHULA NAVEEN ROYAL

16P35A0304

MALLIDI SURENDRAREDDY

15P31A0305

BANDANA MANI POSI BABU

15P31A0317

ENAKONDA VENKATESH

15P31A0327

KARRI DURGA PRASAD

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

*A. Lalitha Jyothi*  
Project Guide

A.LALITHA JYOTHI

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*T. Srihari*  
Head of the Department

Dr. T SRIHARI

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External Examiner

*[Signature]*  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "Study of temperature's effect on mild steel" is being submitted by

15P31A0325

JYOTHULA SRIMANTHA RAJU

16P35A0308

PUSARLA RAJGOPAL

15P31A0324

INUMARTHI LAKSHMI RAVITEJA

15P31A0355

VANAPARTHI VENKATESH

15P31A0354

UPPE ROHIT KRISHNA

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Project Guide

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Experimental Analysis of heat transfer enhancement through twisted fin**” is being submitted by

|            |                              |
|------------|------------------------------|
| 15P31A0332 | KOLLURI SIVA TEJA            |
| 15P31A0321 | G VEERA VENKATA SURYATEJA    |
| 15P31A0307 | BUDDALA SATISH KUMAR         |
| 15P31A0309 | CHANDALA DILIP KUMAR         |
| 15P31A0340 | P N V KRISHNARJUNA PAVAN SAI |

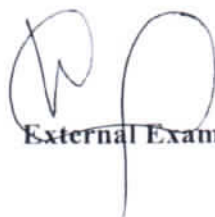
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K. VIJAY  
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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Determining quality of steam using CuO Nanofluid using seperating & throttling calorimeter**” is being submitted by

15P31A0319

GADI GANESH

15P31A0336

MATTURTHI SRIDHAR

15P31A0339

Miss OLETY BHANU SUCHARITHA

15P31A0347

PULIDINDI DAVID MANIKRANTH

15P31A0334

MANDA HARISCHANDRA REDDY

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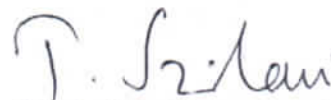
Project Guide

  
J. RAJASEKHAR

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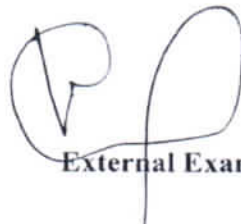
Head of the Department

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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Fabrication of Contactless Eddy current braking system**” is being submitted by

15P31A0341

PANASA PAVAN GOVIND RAJULU

15P31A0310

CHAPPIDI NARESHKUMAR

15P31A0311

CHELLUBOYENA TEJAS KUMAR

15P31A0326

KAREDLA GANESH

15P31A0345

PEMMADI CHINNA GOVIND RAJU

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Project Guide

J. RAJASEKHAR

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External Examiner

*[Signature]*  
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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Fabrication of Solar wind powered street light” is being submitted by

16P35A0307

NALLALA SATISH

16P35A0305

MANIRATNAM STEPHENS

16P35A0303

GANUGULA RAJESH

15P31A0360

YANDAMURI SRI RAMA TEJA

15P31A0316

DUKKA ANANDARAO

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Project Guide

Dr. T. SRI HARI

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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Unconventional Air cooling system**" is being submitted by

15P31A0301

AJJARAPU SATYA SAI BHARADWAJ

16P35A0306

MEDISETTI NAVEEN

15P31A0357

VELISETTI MANI SANKAR

15P31A0358

Miss VENNA MANGA DEVI

15P31A0337

M PRAKASH BHARGAVA NAIDU

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Project Guide

*G. Rajeswar*  
G. RAJESWAR

Assistant Professor

Dept. of Mechanical Engineering

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*T. Srihari*

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**Dr. T SRIHARI**

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External Examiner

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "Design & prototyping of 3D printed Industrial Robotic Arm" is being submitted by

15P31A0322

GANAJALA SIVA

15P31A0331

K VENKATA SATYA MANIDEEP

16P35A0309

SANGISETTI SATYANARAYANA

15P31A0323

GURRAM RUTHVI CHAITANYA

15P31A0306

BHERI RAJESH

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.



Project Guide

P. JAIKISHAN

Assistant Professor

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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Design and Prototype of Shadow based Industrial Swarm Robot**” is being submitted by

|            |                            |
|------------|----------------------------|
| 15P31A0335 | MANTHA VIVEKANAND          |
| 15P31A0359 | YAKKALA JASWANTH PRAKASH   |
| 15P31A0333 | KOMARI VENKATA AVINASH     |
| 15P31A0356 | V VEERA BOGA VASANTH KUMAR |
| 15P31A0342 | PANDURI OMKAR              |

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*G.V.A. Swamy*  
Project Guide

G.V.AYYAPPA SWAMY  
Assistant Professor  
Dept. of Mechanical Engineering  
Aditya College of Engg. & Tech.

*T. Srihari*  
Head of the Department

Dr. T SRIHARI  
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External Examiner

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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Fabrication of Solar cycle” is being submitted by

16P35A0301

DASAM VENKATA RAO

15P31A0346

Miss POKALA ASHA

16P35A0302

DOMMALAPATI LOKESH

15P31A0349

REDDY MANIKANTA

15P31A0338

MUGGULLA DURGA PRASAD

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A. CHIRANJEEVI.V.S. PRASAD

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "Design and fabrication of Omni ambulance" is being submitted by

15P31A0372

G UDAY

15P31A03C0

YUBRAJ KODI

15P31A0377

I VENKATA GIRI

15P31A0367

B SUBHASH

15P31A0395

P TEJA SANTOSH

15P31A0399

P GOPI

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*M.S. Pravallika*  
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M.S.PRAVALLIKA

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*T. Srihari*  
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External Examiner

*[Signature]*  
Principal  
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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Design and fabrication of Omni ambulance” is being submitted by

15P31A0379

J S V D VAMSI

15P31A0374

G SAI KRISHNA VARMA

15P31A0396

P RAHUL SATYA SAI KRISHNA

15P31A03A0

P VENKATA RAO

15P31A0381

K VINAY

15P31A03B0

T BHANUPRAKASH

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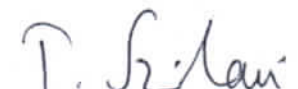
  
Project Guide

M.S.PRAVALLIKA

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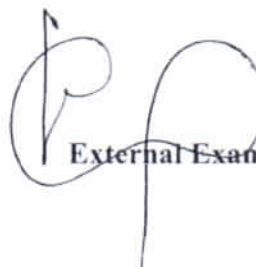
  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **"Design and prototyping of quadraped Robot using Theojansen Mechanism"** is being submitted by

15P31A0375

G RAMESH

15P31A0382

K PAVAN KALYAN

15P31A0387

M TEJA VARMA

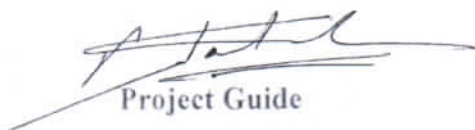
15P31A0391

M JOHN VARA PRASAD

15P31A03A7

S VENKATA RAMANA

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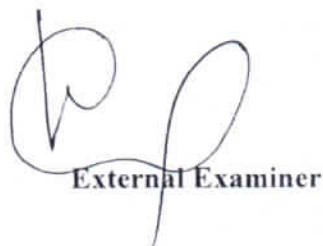
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Fabrication of Multi purpose floor cleaning vehicle” is being submitted by

16P35A0316

15P31A03B1

16P35A0323

15P31A0366

15P31A03A5

VIJAY KRISHNA RAO CHINTA

T NAGA SITA GANGADHAR

P VEERA VENKATA SAI MANIDEEP

B SRINIVAS

S LALITH SAI VENKATESH

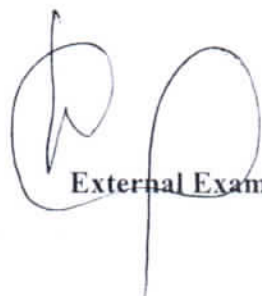
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Project Guide

E.RAGHAVENDRA  
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# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

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Recognized by UGC under section 2(f) of UGC ACT 1956

Aditya Nagar, ADB Road, Surampalem. Kakinada-533003

2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Multi purpose floor cleaning vehicle**" is being submitted by

16P35A0324

P SUDHAKAR

15P31A0370

G RAMA KRISHNA

15P31A0361

A VENKATA PAVAN KIRAN

15P31A0390

MODALI KRISHNACHAND

15P31A0398

PERLA SRINIVAS

14P31A0368

GUNTREDDY RAMPRASAD

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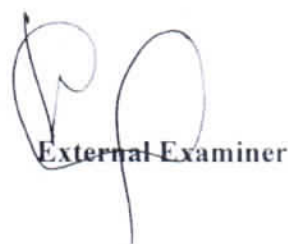
  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Design, Fabrication and Experimental Analysis on Solar Concrete flat plate Collector**” is being submitted by

15P31A0364

A SAI LAKSHMI SATYANARAYANA

15P31A0376

G VEERA VENKATA ADINARAYANA

15P31A03A9

T SAIRAM GOWTHAM

15P31A03B3

T BALAJI

15P31A03A8

S RAMAKRISHNA

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "Fabrication of Multi purpose operating machine" is being submitted by

15P31A0362

A VEERABABU

15P31A0371

G PRAVEEN KUMAR

15P31A03B9

V KUMAR RAJA

15P31A0394

P VENKATESH

15P31A0369

D APPALA SWAMY

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Design and Fabrication of Hydraulic lift pallet Truck” is being submitted by

15P31A0363

A V D S G SATYANARAYANA

15P31A0392

O VEERASWAMY

16P35A0319

I V V DURGAPRASAD

16P35A0320

K V HEMA SUNDAR

15P31A03B4

T RAVI TEJA

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Fuel Extraction from plastic” is being submitted by

15P31A0384

K V V V RAM GANESH

16P35A0321

K N V DURGA AJAY

15P31A0386

K S K LAKSHMIKANTA REDDY

15P31A03A3

R DURGA KUMAR

16P35A0314

A VINOD KUMAR

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **"Fuel Extraction from plastic"** is being submitted by

15P31A03B8

V VEERA MANIKANTHA

16P35A0317

D VENKATA MALLIKARJUNA

15P31A0397

P VARUN SANDEEP

15P31A0380

K SATYA SWAROOP

15P31A0388

M HARISH KUMAR

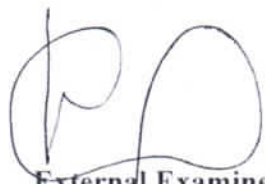
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Design & Fabrication of Pneumatic sheet metal cutting machine**" is being submitted by

15P31A0389

M SIVA SAI KUMAR

16P35A0318

G NAGARAJU

15P31A0368

B SATYA SRINIVAS

15P31A03A2

R RAVINDRA

15P31A03B2

T PRASAD

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Solar wind power street light**" is being submitted by

15P31A03A4

R SAI

15P31A03A6

S MANIKANTA SWAMI

16P35A0313

A RANJIT KUMAR

16P35A0322

K LOKESH KUMAR

15P31A0385

K V D RAGHU SAIRAM

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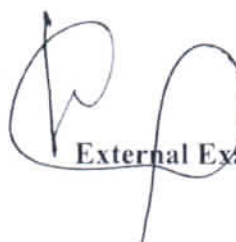
  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Design & Fabrication of Exoskelton Arm**” is being submitted by

15P31A0373

GOPAL KARAN

15P31A03A1

RAICHANDRA HAORONGBAM

15P31A03B6

U SWAROOPA PRAVEEN

16P35A0315

C AVINASH

15P31A0314

DEBASHIS DE

15P31A0353

SUBHAM SHAW

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Investigation on Torque Improvement of Small Scale Vortex Turbine Using Numerical and Experimental Studies” is being submitted by

15P31A03J9

K SAI RAM

16P35A0342

K MANIKANTA

15P31A03I8

G VENKATESH

15P31A03J8

K V V CHINNA RAO

15P31A03I3

B SATISH KUMAR

15P31A03K9

M KARTIKEYA

15P31A03L0

A KANAKA SAI PARDHU

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## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Experimental Investigation on Engine Performance an Emission Analysis of Diesel Engine Operated on Mustard Oil Biodiesel Using Al<sub>2</sub>O<sub>3</sub> Nano Particles With EGR**” is being submitted by

|            |                    |
|------------|--------------------|
| 15P31A03H2 | V VENKATA PRASANNA |
| 15P31A03F8 | P GANESH KUMAR     |
| 15P31A03F5 | N KIRAN SAI        |
| 15P31A03H8 | A NAGA BHEEMESH    |
| 15P31A03H6 | Y SAI RAM          |
| 15P31A03F0 | M SURYA NAIDU      |

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **“Experimental Analysis on Mechanical Properties of Pineapple and Okra Based Natural Composite Fibers”** is being submitted by

15P31A03J7  
15P31A03M1  
15P31A03K8  
15P31A03K1  
15P31A03J6  
15P31A03K3  
15P31A03K5

J SRIHARI  
R SURESH  
M BHAVANI PRASAD  
K RAJASEKHAR  
I NAVA VINAYBABU  
K BHAGAVATPAD  
M LAXMAN


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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Experiemental Analysis and fabrication of 2 Wheeler piston with Graphite -Granite Particles Reinforced A 356 Hybrid Metal**” is being submitted by

15P31A03M9

15P31A03K6

15P31A03K7

15P31A03K0

15P31A03I5

15P31A03M0

15P31A03I6

T RAJESH

M VINEETH

M SAMPATH KUMAR

K ABHISHEK

CH AKHIL

D ARAVIND

D VINAYSAI KUMAR


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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **"Design and Implementation of Novel Contactless Piezo Electric Wind Energy Harvesting Device Using Conada Effect"** is being submitted by

15P31A03G4

15P31A03C8

15P31A03D1

15P31A03E2

15P31A03C2

15P31A03H1

14P31A03F4

S JAYARAM MANIDEEP

A MANOJ KUMAR

B PAVAN DURGA PRASAD

J TEJA

A NOOKA RAJU

T JAYA SURYA

V SURESH

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Performance and Emission Analysis of Diesel Engine Operating on Mustard Biodiesel Blended with Al<sub>2</sub>O<sub>3</sub> nano Particles by Changing Injection Timings**" is being submitted by

|            |                     |
|------------|---------------------|
| 15P31A03N4 | MD MOINUDDEN SHAKIR |
| 15P31A03J0 | G VEERA SURYA TEJA  |
| 15P31A03M7 | T RAKESH            |
| 15P31A03J4 | HARSHIT KUMAR SINGH |
| 15P31A03L9 | R S CHAITANYA       |
| 15P31A03L7 | P S S S SRINIVAS    |
| 15P31A03I9 | G BHARGAV           |
| 15P31A03L2 | M SIMHADRI RAJU     |

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This is to certify that the project entitled **"Experimental Investigation on Engine Performance an Emission Analysis of Diesel Engine Operated on Mustard Oil Biodiesel Using Al<sub>2</sub>O<sub>3</sub> Nano Particles Additive"** is being submitted by

15P31A03M8

15P31A03K4

15P31A03N2

15P31A03M2

15P31A03K2

15P31A03J2

15P31A03L3

T RAMA KRISHNA

K V S ANIL KUMAR

V S G S VISWANATH

R TEJA SURYA

K BALA SUBRAHMANYAM

G SRINIVAS

M NAVEEN

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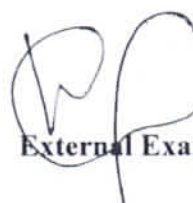
  
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### CERTIFICATE

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15P35A0324

P CHAITANYA KRISHNA

15P35A0333

K SIVA SANKAR

15P35A0336

M MANIKANTA

15P35A0337

N GANGADHAR

15P35A0338

S RAMBABU

15P35A0340

V NARAYANA MURTHY

15P35A0343

K HEMANTH KUMAR

15P35A0344

P JAYARAM

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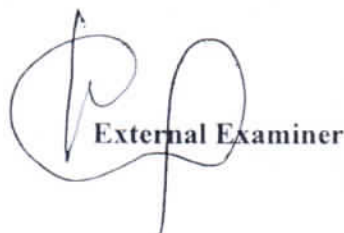
  
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Recognized by UGC under section 2(f) of UGC ACT 1956

Aditya Nagar, ADB Road, Surampalem. Kakinada-533003

2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Design and fabrication of 360 degree vehicle” is being submitted by

16P35A0334

PONAMANDI SRINIVASA KALYAN

16P35A0332

MENEDDI KUMAR RAJU

15P31A03G8

SYED TAJUDDIN

15P31A03C4

ANAND KUMAR

15P31A03C5

MD AMIR AZAM

15P31A03H3

VASA VENKATESH

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Project Guide

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Assistant Professor

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Head of the Department

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Professor

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External Examiner

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SURAMPALAM-533437



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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Design and fabrication of Electrical Bike**" is being submitted by

16P35A0328

16P35A0331

16P35A0330

16P35A0329

15P31A03D4

JELLA MATHA RAJU

MALLESWARAPU VENKAT KUMAR

KOTIPALLI SRI HARSHA

KANDE NAVEEN

D SIVAKRISHNA PRASAD

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "Fabrication of Delta Robot" is being submitted by

15P31A03E0

16P35A0333

15P31A03F2

16P35A0326

15P31A03F6

15P31A03E9

G KRANTHI KUMAR TEJA

MIRIYALA ARJUN


MANUKONDA VIJAYA RATNAM

C VEERA VENKATA SUDHEER KUMAR

NIMMALA UDAY KUMAR

KUPPALA THATEELU

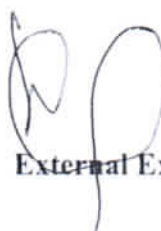
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Design and fabrication of 360 degree vehicle” is being submitted by

15P31A03D7

15P31A03H9

15P31A03F9

15P31A03E4

15P31A03C3

GOLLAVILLI SAI RAVI TEJA

AMALAPURAPU KEDARNADH

PUSALA VENKATA VAMSI

KOLA NAVEEN

ALOK KUMAR

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

Project Guide

A.SWATHI

Assistant Professor

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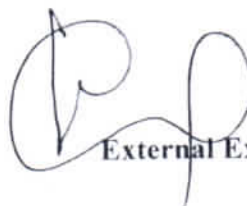
  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Experimental Investigation on Spiral Coil Heat Exchanger**” is being submitted by

15P31A03E6

15P31A03G0

15P31A03G9

15P31A03D8

15P31A03D9

15P31A03D2

KOTHURI SAIMANIKANTA

SALADI PURNACHAND

TADI LAKSHMI VINAY REDDY

GOPISETTI TARAKA SATYA SAI RAM

GULLIPALLI LOKESH

CHEKKA CHANDU

In partial fulfillment of the requirement for the award of Bachelor of Technology in mechanical Engineering, during the academic year 2018-2019. The results embodied in this report have not been submitted to any other institute or university for the award of any degree.

  
Project Guide

P.SVV SRIHARI

Assistant Professor

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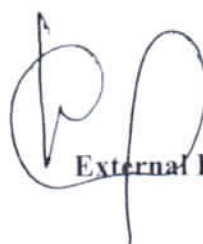
  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled **"Design and fabrication of Electrical Bike"** is being submitted by

15P31A03F7

PERALA SAI RAJA

15P31A03F1

MAMIDI BHARGAVA

15P31A03F4

NAKKA NAGASANKARUDU

15P31A03E1

JAGANA VINOD KUMAR

15P31A03H5

VIPPARTHI DURGA PRASAD

15P31A03D6

ANINDA BHATTACHARJEE

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V. Hemanth Kumar

V. HEMANTH KUMAR

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T. Srihari

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Experimental Investigation on Spiral Coil Heat Exchanger**” is being submitted by

|            |                         |
|------------|-------------------------|
| 15P31A03E8 | KUPPALA SATYA ARAVIND   |
| 15P31A03G2 | SIDDI VIJAYA BHASKAR    |
| 15P31A03G1 | SAMSANI RAM SUNIL       |
| 15P31A03D3 | DANDUMENU SAI SRI RAM   |
| 16P35A0327 | GANAPATHIRAJU AJAYVARMA |
| 15P31A03F3 | MATTA SATISH KUMAR GOUD |

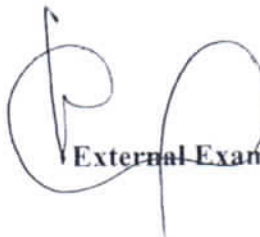
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Project Guide

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Scara Robot**" is being submitted by

15P31A03J5

15P31A03I2

15P31A03I4

15P31A03L1

15P31A03I1

15P31A03H0

IMMIDISETTY VENKATA SUDHEER

BALLA SAI GANAPATHI

BASWA SANJAY BABU

M SRI ADITYA NARASIMHA MURTHY

ANJURI VARAPRASAD

TEJOMURTHULA SAI KUMAR


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Project Guide

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Mechanical Scissor lift**" is being submitted by

|            |                     |
|------------|---------------------|
| 16P35A0340 | KALAGA VINAYKUMAR   |
| 16P35A0343 | KUSUMA BINDU SAGAR  |
| 16P35A0338 | AYYELA VARA PRASAD  |
| 16P35A0345 | PENKEY ANAND KUMAR  |
| 16P35A0346 | SANKARAPU ARAVIND   |
| 16P35A0344 | LANKE RAJESH        |
| 16P35A0347 | SARIKONDA VEERABABU |

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Project Guide

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Design and Development of Eco-friendly robot**" is being submitted by

16P35A0339

15P31A03N3

16P35A0341

15P31A03L8

15P31A03L5

15P31A03J3

CHIKKALA DURGAJI

YALAMATI LAKSHMINARAYANA

KOTAGIRI NAGA SAI DURGA PRASAD

PRATHI NAVEEN KUMAR

N VENKATA SATYA AKHIL

GUTHULA ABHIRAM

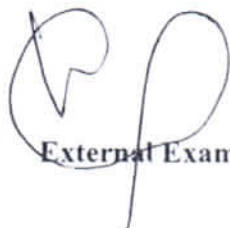
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Project Guide

V Surya Prakash  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “Design and Testing of Thermal Regulator System for Microbial Fuel Cell Using Thermogenesis Mechanism” is being submitted by

15P31A03M3

15P31A03L4

15P31A03M5

15P31A03L6

15P31A03M4

15P31A03N1

14P31A0334

SADANALA VEERENDRA RAKESH

N M SIVANAGA V JAGADISH BABU

SATYAMSETTY VIKASH NAIDU

NUNNA SIVA

SADI VIJAYA SAI MANOJ KUMAR

VENKATA SIVA MANIKANTA M

MARNALA VENKATA SATYA TEJA

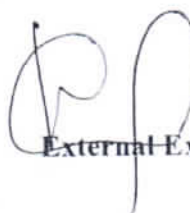
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Project Guide

M.RAMBABU  
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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled “**Determining quality of steam using Cuo Nanofluid using seperating & throttling calorimeter**” is being submitted by

15P31A0319

GADI GANESH

15P31A0336

MATTURTHI SRIDHAR

15P31A0339

Miss OLETY BHANU SUCHARITHA

15P31A0347

PULIDINDI DAVID MANIKRANTH

15P31A0334

MANDA HARISCHANDRA REDDY

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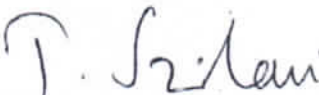
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J. RAJASEKHAR

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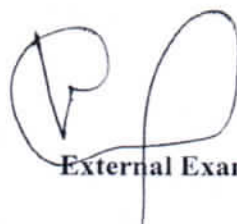
  
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SURAMPATEM- 533 003

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2018-19

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "**Fabrication of Unconvetional Air cooling system**" is being submitted by

15P31A0301

AJJARAPU SATYA SAI BHARADWAJ

16P35A0306

MEDISETTI NAVEEN

15P31A0357

VELISETTI MANI SANKAR

15P31A0358

Miss VENNA MANGA DEVI

15P31A0337

M PRAKASH BHARGAVA NAIDU

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*G. Rajeswar*  
G. RAJESWAR

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*T. Srihari*

Head of the Department

Dr. T SRIHARI

Professor

Dept. of Mechanical Engineering

Aditya College of Engg. & Tech.

*[Signature]*

External Examiner

*[Signature]*

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SURAMPALAM- 533 437