

## ADITYA COLLEGE OF ENGINEERING AND TECHNOLOGY

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

Recognized by UGC under section 2(f) and 12(B) of UGC Act 1956  
Surampalem, E.G. Dist., AP – 533 437.

DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project entitled "IMPROVING PRODUCTIVITY OF BASIN TYPE SOLAR STILL USING POROUS MATERIALS" submitted by

KARRI SAI VINAY KUMAR REDDY	(16P31A0382)
THOTAKURA UDAY SHANKAR	(16P31A0346)
RELANGI ROHIT SAI	(16P31A0339)
KHANDAVALLI NAGENDRA	(17P35A0332)
AMALAKANTI AJAY	(16P31A0363)

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2019-2020. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.

PROJECT GUIDE

HEAD OF THE DEPARTMENT

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DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the project report entitled "FLAT PLATE SOLAR STILL AUGMENTED WITH WICK MATERIALS" submitted by

GUDIMETLA GOWTHAM LAKSHMI NARAYANA REDDY	(16P31A0313)
GORIJALA SURYA PRAKASH	(16P31A0312)
CHATHALA NARASIMHULU	(17P35A0311)
NEMALA SRINU	(16P31A0329)
MAVIREDDI VEERA VENKATA SATYASAI CHOWDARY	(16P31A0325)
PAPPALA RAJA	(16P31A0332)

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2019-2020. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.

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Surampalem, E.G. Dist., AP – 533 437.

DEPARTMENT OF MECHANICAL ENGINEERING



**CERTIFICATE**

This is to certify that the project report entitled “Simulation and design modification of thermo acoustic refrigerator” Submitted by

J. SAITEJA	17P35A0329
P. MANOHAR	17P35A0342
P.PRADEEP	16P31A0352
A. BHASKAR	16P31A0365
G. JAIRAM	17P35A0327
G. VINAY	16P31A0376

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2019-2020. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.

**PROJECT GUIDE**

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**EXTERNAL EXAMINER**

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DEPARTMENT OF MECHANICAL ENGINEERING



**CERTIFICATE**

This is to certify that project report entitled "FABRICATION&PERFORMANCE ANALYSIS OF PARALLEL CONNECTED VORTEX TUBES" Submitted by

P.SIVARAM YADAV	17P35A0365
I.VSSR ARUNKANTH	16P31A03D8
M.ANUDEEP	16P31A03E7
M.SRI JAGAN MOHAN	16P31A03E9
U.RAGHU TEJA	16P31A03G9
DEWASISH KALITA	16P31A03H1

in partial fulfillment of requirement for the award of Bachelor of Technology degree in Mechanical Engineering during the academic year 2019-2020. The results embodied in this project report have not been submitted to any other institute or University for the award of any degree or diploma.

**PROJECT GUIDE**

Mr.CH.PAVAN KUMAR  
Assistant Professor  
Dept. of Mechanical Engineering

**HEAD OF THE DEPARTMENT**

E.RAGHAVENDRA YADAV  
Associate Professor  
Dept. of Mechanical Engineering

**EXTERNAL EXAMINER**

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Kakinada-533003

2016-2020

**DEPARTMENT OF MECHANICAL ENGINEERING**



**CERTIFICATE**

This is to certify that the project entitled “Crashworthiness Analysis of Thin-walled Energy Absorber” is being submitted by

V.Sai Vikas Reddy	(17P35A0322)
B.G.Gowri Shankar	(17P35A0326)
CH.Naveen Kumar	(16P31A0369)
K.R.V.Malleswara Rao	(17P35A0333)
Y.Hari Teja	(16P31A0351)

In partial fulfillment of the requirement for the award of Bachelor of Technology in Mechanical Engineering, during the academic year 2016-2020. 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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