

2.3.1 Student Centric Method

Problem solving methodologies used for enhancing learning experiences.

Project Details

S.No	Description
1	Name list of the student along with Title of Project
2	Copies of first page of Evaluated Project Report.

**Government College of Engineering
Salem-11**

List of project work for M.E., Thermal Engineering

Batch: 2021-2023

Academic Year: 2022-2023

Semester: IV

Sl. No	Reg. No	Name of the Student or Batch	Name of the Supervisor	Title of the Project	Page No
1	61772153201	Divagaran. P	Prof. M. Periyasamy	Experimental Investigation on The Performance of Vapour Compression Refrigeration System by Using Liquid Suction Heat Exchanger with R134a, R1234yf And R1234ze	2
2	61772153202	Muralishankar. A	Dr. S. Sivalakshmi	Experimental Analysis on Enhancement of Heat Transfer in Compact Heat Exchanger Using Nano Particles	4
3	61772153203	Vikram .M	Dr. K. Sakunthala	Modelling and Simulation of Solar Water Heater Integrated with Phase Change Material in Solar Collector	6

DEPARTMENT OF MECHANICAL ENGINEERING
GOVERNMENT COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

Salem-636011

DISSERTATION PHASE - II


OCTOBER 2023

This is to certify that this project work entitled
**EXPERIMENTAL INVESTIGATION ON THE
PERFORMANCE OF VAPOUR COMPRESSION
REFRIGERATION SYSTEM WITH LIQUID SUCTION
HEAT EXCHANGER USING R134a, R1234yf AND R1234ze**

is the bonafide record of project work done by

DIVAGARAN P (Register Number: 61772153201)

of M.E. Thermal Engineering during the year 2021–2023


20/10/23
Project Guide

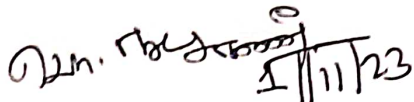
Prof. M. PERIYASAMY., M.E.,


Head of the Department

Dr. T. BALUSAMY., Ph.D.,

Submitted for the Dissertation Phase – II Viva-Voce examination held on 01.11.2023


11/11/23
Internal Examiner


11/11/23
External Examiner

Certificate No:202309210



NEHRU INSTITUTE OF TECHNOLOGY

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CENTRE FOR RENEWABLE ENERGY

CERTIFICATE OF PRESENTATION

This Certificate is awarded to **Mr. P. DIVAGARAN**, Thermal Engineering, Department of **Mechanical Engineering** from **Government College of Engineering ,Salem** for their presentation on a paper titled **Experimental Investigation on the Performance of Vapour Compression Refrigeration System by using Liquid Suction Heat Exchanger with R134a, R1234yf and R1234ze** in the Second **International Conference on Advanced Trends in Renewable Energy (ICATRE 2023)** conducted by the Centre for Renewable Energy, Nehru Institute of Technology, Coimbatore on 29th and 30th September 2023.

Prof. S. Satheesh Kumar

Head - Centre for Renewable Energy

Dr. M. Sivaraja

Principal

DEPARTMENT OF MECHANICAL ENGINEERING

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DISSERTATION PHASE II

NOVEMBER 2023

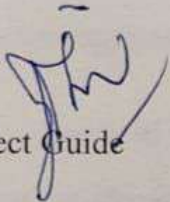
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**EXPERIMENTAL ANALYSIS ON ENHANCEMENT
OF HEAT TRANSFER IN COMPACT HEAT
EXCHANGER USING NANO PARTICLES**

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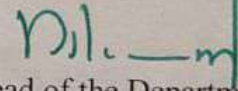
MURALISHANKAR A (Register Number: 61772153202)

of M.E. Thermal Engineering during the year 2021– 2023



Project Guide

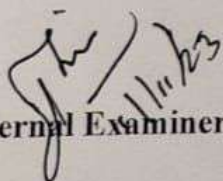
Dr. S. SIVALAKSHMI Ph.D.,



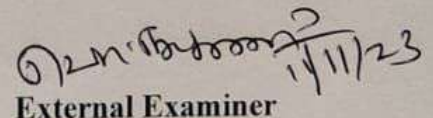
Head of the Department

Dr. T. BALUSAMY Ph.D.,

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International Journal of Scientific Research in Engineering & Management is hereby awarding this certificate to

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DISSERTATION PHASE-II

PROJECT WORK

OCTOBER 2023

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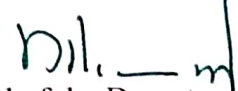
**EXPERIMENTAL INVESTIGATION OF SOLAR
WATER HEATER INTEGRATED WITH PHASE
CHANGE MATERIAL IN SOLAR COLLECTOR**

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VIKRAM M (Register Number: 61772153203)

Of M.E. Thermal Engineering during the year 2021– 2023


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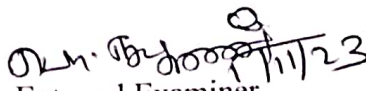

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Internal Examiner


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Certificate of Acceptance & Publication

This certificate is awarded to Vikram M, and certifies the acceptance for publication of research paper entitled "Modelling and Simulation of Solar Water Heater Integrated with Phase Change Material in Solar Collector" in "International Journal of Research Publication and Reviews", Volume 4, Issue 3, 2023.

Signed

Ashish Agarwal



Date 23/03/2023

Editor-in-Chief
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