Government College of Engineering Salem-11

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

Batch: 2021-2023

Academic Year: 2022-2023

Semester: IV

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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

Prof. M.PERIYASAMY., M.E., Dr. T. BALUSAMY., Ph.D.,

Head of the Department

Submitted for the Dissertation Phase – II Viva-Voce examination held on 61.11.2027



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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



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Salem - 636 011

DISSERTATION PHASE II

NOVEMBER 2023

This is to certify that this project work entitled

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

is the bonafide record of project work done by

MURALISHANKAR A (Register Number: 61772153202)

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

Project Suide

Dr. S. SIVALAKSHMI Ph.D.,

Head of the Department

Dr. T. BALUSAMY Ph.D.,

Submitted for the Dissertation phase II Viva - Voce examination held on 01/4/2023 F.A

Internal Examiner

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DISSERTATION PHASE-II PROJECT WORK

OCTOBER 2023

This is to certify that this project work entitled

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

Is the bonafide record of project work done by

VIKRAM M (Register Number: 61772153203)

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

Project Guide

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Internal Examiner

Orw. apploaching



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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

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