

**HEAT TRASFER ANAYLSIS IN THERMAL ENERGY STORAGE
(TES) USING PHASE CHANGE MATERIALS-PARAFFIN WAX,
PALMITIC ACID, AND MAGNESIUM CHLORIDE
HEXAHYDRATE COMPOSITIONS**

PROJECT REPORT

Submitted by

MOHAMED ABDUR RAHEEM P S	[110119114016]
MOHAMED RASEETH M	[110119114024]
MOHAMED ZAKKARIYA S	[110119114028]
MOHAMMED ZUBER S K	[110119114029]

In partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING,
AVADI I.A.F.**

ANNA UNIVERSITY CHENNAI: 600 025



JUNE 2023


PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

BONAFIDE CERTIFICATE

Certified that this project report "HEAT TRASFER ANAYLSIS IN THERMAL ENERGY STORAGE (TES) USING PHASE CHANGE MATERIALS - PARAFFIN WAX, PALMITIC ACID AND MAGNESIUM CHLORIDE HEXAHYDRATE COMPOSITIONS " is the Bonafide work of "MOHAMED ABDUR RAHEEM P S , MOHAMED RASEETH M , MOHAMED ZAKKARIYA S and MOHAMMED ZUBER S K " who carried out the project work under my supervision.


SIGNATURE

Dr. RAM KUMAR M.E., Ph.D.
HEAD OF THE DEPARTMENT]
Professor and head, Department of
Mechanical Engineering,
Aalim Muhammed Salegh College,
Avadi I.A.F,
Chennai-600055.


SIGNATURE

Mr.P.MUNI RAJACHANDRA
M.Tech (Ph.D.)
SUPERVISOR
Assistant professor, Department of
Mechanical Engineering,
Aalim Muhammed Salegh
College of Engineering.
Avadi I.A.F, Chennai-
600055





PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

CERTIFICATE OF EVALUATION

ified that this project report “HEAT TRASFER ANAYLSIS IN
ERMAL ENERGY STORAGE (TES) USING PHASE CHANGE
TERIALS - PARAFFIN WAX, PALMITIC ACID AND
GNESIUM CHLORIDE HEXAHYDRATE COMPOSITIONS ” is
Bonafide work of “MOHAMED ABDUR RAHEEM P S , MOHAMED
SEETH M , MOHAMED ZAKKARIYA S and MOHAMMED ZUBER
” who carried out the project work under my supervision.

itted on: 23 /05 /2023 .

red for the university examination held on: 23 /05 /2023


RNAL EXAMINER


EXTERNAL EXAMINER




PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING

COLLEGESEAL