



# PERFORMANCE ANALSIS AND OPTIMISATION OF REGENERATIVE AIR PREHEATER

## A PROJECT REPORT

Submitted by

RAJA.M 922119114029

SAMBATH KUMAR.P 922119114032

VIVEKANANDAN.N.B 922119114043

In partial fulfilment for the award of the degree

of

**BACHELOR OF ENGINEERING** 

IN

MECHANICAL ENGINEERING

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

**DINDIGUL-624 002** 

**ANNA UNIVERSITY: CHENNAI 600 025** 

**MAY 2023** 

# BONAFIDE CERTIFICATE

REGENERATIVE AIR PREHEATER" is the bonafide work "RAJA.M 922119114029), SAMBATHKUMAR.P(922119114032), VIVEKANANDAN.N.B(922119114033)" Who carried out the project work under my supervision.

SIGNATURE SIGNATURE

SIGNATURE

Dr.G.SANKARANARAYANAN, M.E., Ph.D., Dr.M.SABAREESWAREN M.E., Ph.D.

HEAD OF THE DEPRATMENT

SUPERVISOR, Associate Professor

Dept. of Mechanical Engineering,

Dept. of Mechanical Engineering

SSM Institute of Engg & Tech.

SSM Institute of Engg &Tech.

DINDIGUL-624002

DINDIGUL-624002

Submitted during Anna university practical examination held on 18.5.23

INTERNAL EXAMINER

EXTERNAL EXAMINER



#### **NLC INDIA LIMITED**

### ("NAVRATNA – A GOVERNMENT OF INDIA ENTERPRISES")

#### CERTIFICATE

TIMISATION OF REGENERATIVE AIR PRE HEATER" is the Bonafide project done by RAJA M, SAMBATH KUMAR P, VIVEKANANDAN N B, in partial ment of the requirements for the award of Bachelor of Degree in Mechanical Engineering SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY" (Approved by AICTE, New Delhi, Affiliated to Anna University, Dindigul) DINDIGUL — 624002, Tamil Nadu. During the period from 06.02.2023 to 04.03.2023 at TPS -I EXP, NLC ENDIALIMITED, NEYVELI.

EXTERNAL GUDIE SARAVANAN A

CM/MECH/TPS-1 EXP

NLC INDIA LIMITED, NEYVELI

66.03.9023

Permitted to submitted the project report to college / university authority

CHIEF MANAGER,

DATE: 04-03-2023

PLACE: NEYVELI

LEARNING AND DEVELOPMENT CENTRE, NLC INDIA LIMITED, NEYVELI.

Chief Manager
Learning & Development Centre
NLC India Limited, Neyveli-3.