

CERTIFICATE

This is to certify that the thesis entitled



EXERGOECONOMIC OPTIMIZATION OF AN INDUSTRIAL AQUA AMMONIA VAPOUR ABSORPTION REFRIGERATION UNIT

submitted by

Vijaykumar Kundanlal Matawala

In the fulfillment of the requirement for the award of

**“DOCTOR OF PHILOSOPHY” IN MECHANICAL ENGINEERING
OF
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

is a bonafide work carried out by him under my supervision and guidance.

The matter embodied in the thesis, to the best of my knowledge, has not been
submitted previously for the award of any other degree or diploma of any
institute or university.

Guide:

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CERTIFICATE OF THESIS APPROVAL



Thesis entitled “Exergoeconomic Optimization of an Industrial Aqua Ammonia Vapour Absorption Refrigeration Unit” by Vijaykumar Kundanlal Matawala is approved for the award of ‘Doctor of Philosophy in Mechanical Engineering’ by The Maharaja Sayajirao University of Baroda.

A handwritten signature in black ink, appearing to be 'Amal' followed by a horizontal line.

Internal Referee

A handwritten signature in black ink, appearing to be 'S. B. P. Sub'.

External Referee