

Maharshi H. Thakkar

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EDUCATIONAL QUALIFICATIONS

Education	College Name	University/ Board	Passing Year
PhD	--	CVM University, Vallabh Vidyanagar	Pursuing (Since February, 2021)
M.E. (Thermal Engineering)	A. D. Patel Institute of Technology, New V.V. Nagar.	Gujarat Technological University	2015
B.E. (Mechanical Engineering)	B.V.M. Engineering college, V.V. Nagar.	Gujarat Technological University	2013

AREA OF INTEREST

- Renewable energy systems
- Power Plant Engineering
- Heat and mass transfer
- Computational Fluid Dynamics

SUBJECTS TAUGHT (UG)

- Basics of Mechanical Engineering
- Engineering Graphics and Design
- Heat Transfer
- Fluid Mechanics
- Power Plant Engineering
- Oil Hydraulics and Pneumatics

SUBJECTS TAUGHT (PG)

- Computational Fluid Dynamics
- Design of Heat Exchangers
- Energy Conservation and Management
- Research Skill
- English for Research Paper Writing
- Alternate Energy Sources
- Oil Hydraulics and Pneumatics
- Advances in Biomass Gasification
- Research Methodology

COMPUTATIONAL CAPABILITY

- ANSYS Fluent
- MATLAB
- Gas Chromatography

B.E. PROJECTS GUIDED: 20, PG PROJECTS GUIDED: 03

WORK EXPERIENCE:

- Worked as an ad-hoc lecturer at Mechanical Department of A. D. Patel institute of technology from 01 August, 2015 to 13 June, 2016.
- Worked as an assistant professor at Babaria Institute of Technology, Vadodara from 14 June, 2016 to 05 August, 2016.
- Working as an assistant professor at the Mechanical Engineering Department, ADIT since 06/08/2016.
- Visiting faculty at the C. L. Patel Institute of Studies and Research in Renewable Energy, New V. V. Nagar since August, 2017.

LIST of PUBLICATIONS IN REPUTED JOURNALS/CONFERENCES:

- Maharshi Thakkar, J.P. Makwana, Pravakar Mohanty, Mitesh Shah, Vishal Singh. In Bed Catalytic Tar Reduction In the Autothermal Fluidized Bed Gasification of Rice Husk: Extraction Of Silica, Energy And Cost Analysis. J. Industrial Crops And Products, Elsevier, 2016. DOI.ORG/10.1016/J.INDCROP.2016.04.031
- Pravakar Mohanty, Maharshi Thakkar. Autothermal Fluidized Bed Gasification of Rice Husk for Catalytic Tar Reduction: Extraction of Silica, Energy And Cost Analysis. Petrotech, 2016, 12th International Oil and Gas Conference, New Delhi.
- Maharshi Thakkar, Pravakar Mohanty, Mitesh Shah, Vishal Singh. An Overview of Biomass Gasification, Book Chapter in: Recent Advancements In Biofuels And Bioenergy Utilization. Springer Nature. 978-981-13-1306-6.Doi.Org/10.1007/978 981-13-1307-3.

MEMBERSHIP DETAILS:

- Lifetime Member of Indian Society of Technical Education (ISTE).