



Prof Simit Prajapati

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AREAS OF EXPERTISE

Mechanical Engineering

Mechanical/ Automobile Engineering

EDUCATION

Ph.D. 2026

Gujarat Technological University

Master of Engineering 2012

Government Engineering College, Bhuj

Bachelor of Engineering 2009

FTE, M S University

PROFESSIONAL EXPERIENCE

Charutar Vidya Mandal University (CVM University) 2013 - Present

Assistant Professor

Anand

HONOURS AND AWARDS

Recognized for International level publication and received 30,000/- Rs. as Research Aid for Faculty 2025

Awarded by: KCG (Knowledge Consortium of Gujarat), Ahmedabad.

Academic excellence award, in Recognition of Valuable Research Contributions and Dedication to Academic Excellence 2025

Awarded by: The Charutar Vidya Mandal (CVM) University

Recognized for International level publication and received 30,000/- Rs. as Research Aid

for Faculty 2024

Awarded by: KCG (Knowledge Consortium of Gujarat), Ahmedabad.

PROFESSIONAL MEMBERSHIPS

IAENG 2023

Lifetime

ISTE 2016

Lifetime

PUBLICATIONS

1. Engine Developments: Heart of Vehicles

Simit Prajapati

Automobile Engineering Concepts: Basics to Applications , Vol. (2025) , pp. 1-13

2. Computational Modeling of Jamun Slice using Convective Drying Technique using COMSOL Multiphysics

Simit Prajapati, Mitesh Shah, Shivamurti Srivastava

Proceedings of the 12th Interantional and 52nd National Conference on Fluid Mechanics and Fluid Power (FMFP 2025) , Vol. (2025) , pp.

3. Effect of Air Temperature and Velocity on Drying Characteristics of Jamun (Indian Blackberry) Slices Using Convective Drying Method: An Experimental Analysis

Prajapati S.;Shah M.;Srivastava S.

Lecture Notes in Mechanical Engineering , Vol. (2025) , pp. 459-467

4. Thin-layer Drying Kinetics of Jamun slices and Modelling

Simit Prajapati, Mitesh Shah, Shivamurti Srivastava

International Conference on "Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" , Vol. (2025) , pp. 666-670

5. Mass Transfer Behavior of Jamun (Indian Blackberry) Slices Using Convective Drying Technique

Prajapati S.;Shah M.;Srivastava S.

Journal of Biosystems Engineering , Vol. 50 (2025) , pp. 353-363

6. Experimental characterization and thin-layer convective drying modeling of Jamun (Indian Blackberry) slices

Prajapati S.;Shah M.;Srivastava S.

Sadhana Academy Proceedings in Engineering Sciences , Vol. 49 (2024) , pp.

7. Convective Hot Air Drying of Food Products: A Review

Simit B. Prajapati, Mitesh Shah and Shivmurti Shrivastav

International E- Conference on Post Covid Journey of Food Processing Sector , Vol. (2021) , pp.

8. Power Generation by Trilateral Flash Cycle using Waste Low Grade Heat Energy: A Review Study

Simit B. Prajapati and Dr. Mitesh I. Shah

International Conference on Research and Innovations in Science, Engineering & Technology , Vol. (2020) , pp.

9. Evaporative Cooling Systems - A Review Study

Simit B. Prajapati and Ratnesh T. Parmar

ADIT Journal , Vol. 14 (2017) , pp. 54-59

10. Effect of Hydroxy (HHO) Gas Addition on Performance and Exhaust Emissions in 4-Stroke Spark Ignition Engine

Ratnesh T. Parmar and Simit B. Prajapati

International Journal of Fluid and Thermal Engineering , Vol. III (2017) , pp. 001-008

11. A Review Study on Solar Vapour Absorption Refrigeration System using LiBr-H₂O as a working pair

Shah Parva C., Prajapati Simit B. and Shelat Samarth J

National Conference on Recent Research & Development in Core Disciplines of Engineering , Vol. (2017) , pp.

12. Performance & Analysis of Automotive Radiator - A Review

Samarth J Shelat, Nimit M Patel and Simit B Prajapati

National Conference on Recent Research & Development in Core Disciplines of Engineering , Vol. (2017) , pp.

13. Performance Improvement of 4-Stroke S.I. Engine Using Vapour Fuel Technology

Ratnesh T. Parmar and Simit B. Prajapati

, International Journal of Latest Technology in Engineering, Management & Applied Science , Vol. III (2014) , pp. 72-76

14. Comparisons of Performance and Emission by Use of Diesel, EGM05 and DMC-EGM05 Blends of 4-Stroke Multi-Cylinder CI-Engine

Simit B. Prajapati and Ratnesh T. Parmar

International Journal of Applied Research and Studies , Vol. III (2014) , pp.

15. Effect of oxygenated fuel additives on performance and emission characteristics of CI engines - A Review Study

Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel

Journal of Engineering Research and Studies , Vol. III (2012) , pp. 108-110

16. Performance and Emission Improvements of 4-Stroke Multi- Cylinder CI-Engine by Use of DMC-EGM-Diesel Blends - Research Paper

Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel

International Journal of Advanced Engineering Research and Studies , Vol. I (2012) , pp. 70-73

17. Performance and emission comparison of 4-Stroke multi - Cylinder CI-Engine using EGM-diesel blend and diesel as fuel

Simit B. Prajapati, Dr. Pravin P. Rathod and Prof. Nikul K. Patel

National Conference on Emerging Vistas of Technology of 21st Century , Vol. (2012) , pp. 93-98