



JUGAL M. PANCHAL

Assistant Professor
Mechanical Engineering Department,
Government Engineering College, Valsad

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EDUCATION

PhD in Mechanical Engineering From Gujarat Technological University, Ahmedabad <i>Under Guidance of</i> : Prof. Vikas J. Patel and Prof. Kalpesh V. Modi	Pursuing
MTech in Thermal Engineering Nirma University, Ahmedabad	2011
BE in Mechanical Engineering North Maharashtra University, Jalgaon,	2009

TEACHING EXPERIENCE

Assistant Professor Government Engineering College, Valsad	2016-present
Assistant Professor Sardar Vallabhbhai Patel Inst. of Tech., Vasad	2011-2016

FIELDS OF RESEARCH INTEREST

Thermal Energy Storage, Computational Fluid Dynamics, Heat exchangers, Energy conservation

TECHNICAL SKILLS

- Programming languages: C
- Computer Aided Design packages: AutoCAD, Creo
- FEM and CFD: Ansys, Fluent
- Other: Microsoft office, Windows OS

PUBLICATIONS

International Conference Paper

J. M. Panchal, A. M. Lakdawala (2011). "Numerical Investigation of Thermal Performance in Cross flow around square array of circular cylinders", NUICONE 2011, Nirma University.

WORKSHOP / TRAINING ATTENDED

- STTP on "Computational Methods for Mechanical Engineers using MATLAB", LDCE, Ahmedabad, 11-15 March 2019.
- MOOC on "Laws of Thermodynamics", Organized by IIT Kharagpur, 13 Aug 2018 to 17 Sept. 2018.
- STTP on "Emerging Trends in Major thrust areas of Mechanical Engineering" organized by DTE, Gandhinagar 26 Feb 2018 to 09 March 2018.

- STTP on “Induction Phase – 1”, NITTTR Bhopal, 15-26 May 2017.
- STTP on “Recent advances in CFD”, SVNIT, Surat, 13-17 March 2017
- Workshop on “Fluid Mechanics”, Organized by IIT Kharagpur, 20-30 May 2014
- Workshop on “Engineering Mechanics”, Organized by IIT Bombay, 26 Nov. 2013 to 06 Dec. 2013.
- Workshop on “Boundary layer Measurement”, IIT Gandhinagar, 15-16 October 2013
- Workshop on “Computational Fluid Dynamics” Organized by IIT Bombay, 12-22 June 2012.
- Workshop on “Assessment of Boiler Performance and Steam Utilization”, GTU, Ahmedabad, 05-06 May 2012.
- STTP on “Recent Trends in Renewable Energy Systems”, SVIT, Vasad 26-30 Dec. 2011.
- International conference “NUiCONE2010”, Nirma Uni., Ahmedabad, 09-11 Dec. 2010.
- National conference “NUCONE2009”, Nirma Uni., Ahmedabad, 09-11 Dec. 2009.

PROFESSIONAL MEMBERSHIPS

- Life Member, Indian Society for a Technical Education

PORTFOLIOS

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| ▪ GTU Co-coordinator, GEC, Valsad | 2016-present |
| ▪ MIS coordinator, Mechanical Dept., GEC, Valsad | 20xx-20xx |

SUBJECTS TAUGHT

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| ▪ Elements of Mechanical Engineering | ▪ Renewable Energy Engineering |
| ▪ Basic Mechanical Engineering | ▪ Disaster Management |
| ▪ Engineering Thermodynamics | ▪ Steam and Gas Turbine |
| ▪ Fluid Mechanics | ▪ Computer Programming and Utilization |
| ▪ Refrigeration and Air Conditioning | ▪ Mechanics of Solid |
| ▪ Heat Transfer | ▪ Research Methodology and IPR |
| ▪ Environmental studies | ▪ Energy Resources Economics and Environment |
| ▪ Metal Forming Analysis | |