



KEYUR D. TANDEL

Assistant Professor
Mechanical Engineering Department,
Government Engineering College, Valsad
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EDUCATION

PhD in Mechanical Engineering (Pursuing)

Sardar Vallabhbhai National Institute of Technology at Surat

Thesis title: "Effect of Friction Stir Processing on Properties of TIG Fusion Weld Joint of Al Alloys"

Guide: Prof. J. V. Menghani, Associate Professor, Mechanical Engg. Dept., SVNIT, Surat

ME in Welding Technology

2008

The M. S. University of Baroda, Vadodara

B Tech. in Mechanical Engineering

2005

Maharashtra Institute of Technology, Aurangabad

Diploma in Mechanical Engineering

2002

Technical Education Board, Gandhinagar

TEACHING EXPERIENCE

Assistant Professor

2011-present

Government Engineering College, Valsad

PROFESSIONAL EXPERIENCE

Welding Engineer

2018-2011

Heavy Engineering Division,
L&T Ltd., Hazira, Surat

FIELDS OF RESEARCH INTEREST

Welding: Hybrid Welding, Friction Stir Welding, Friction Stir Processing

I. C. Engine: Waste heat recovery, Efficiency improvement

TECHNICAL SKILLS

- Computer Aided Design packages: AutoCAD, Creo, Catia, SolidWorks
- FEM and CFD: Ansys
- Welding Process Performance

- Other: Latex, Lyx, Windows OS

RESEARCH PROJECTS

“Effect of friction stir processing on TIG welded butt joint of Al-5083 plate” (Ongoing)

PUBLICATIONS

Journal Papers

Tejaskumar U Kothari, Mr.Devranjan Kumar, Prof. K.D.Tandel (2014) “Design and Analysis of Six Stroke Internal Combustion Engine” IJEDR, Vol. 2, Issue. 2

Jay M. Parmar¹ and Prof. Keyur D. Tandel (2014) “Performance Analysis of Limestone Coated WIREMESH Catalytic Converter for Emission Control of C.I Engine” International Journal for Scientific Research & Development, Vol. 1, Issue. 11

KEYNOTE LECTURE DELIVERED

- Expert Lecture on “Entrepreneurship”, Government Polytechnic, Valsad, 12/7/2019
- Expert Lecture on “Start-Up and Innovation in Entrepreneurship”, Government Polytechnic, Valsad, 1/2/2019
- Expert Lecture on “Entrepreneurship”, Government Polytechnic, Valsad, 20/7/2018
- Resource Speaker during one week STTP on “Creo for Mechanical Engineering”, Government Engineering College, Valsad, 18-22 May 2015
- Expert Lecture on “Blog Creation”, District Education and Training Center, Valsad, 19/1/2015

WORKSHOP / TRAINING ORGANIZED

- Workshop on “Photography”, Government Engineering College, Valsad, 22-24 March 2019
- Workshop on “Photography”, Government Engineering College, Valsad, 3-4 March 2018

WORKSHOP / TRAINING ATTENDED

- STTP on “Induction Phase-I”, NITTTR, Ahmedabad, 29 Apr - 10 May 2013
- Seminar on “Fundamentals of Tribology”, GIDC Degree Engineering College, Navsari, 15-17 Oct 2013
- Workshop on “Karmyogi Talim”, Dharampur 21-23 Nov 2013
- Training on “NSS Program Officer”, Gujarat Vidyapith, Ahmedabad, 16 - 22 Dec 2014
- STTP on “Induction Phase-II”, NITTTR, Bhopal, 06 - 17 July 2015
- STTP on “Advanced Quality Engineering Techniques”, SVNIT, Surat, 21-25 Sep 2015
- STTP on “Computational Heat & Mass Transfer”, SVNIT, Surat, 14-18 Dec 2015
- Workshop on “Digital India”, GTU, Ahmedabad, 25 Feb 2016
- STTP on “3D Animation”, NITTTR, Bhopal, 27 June - 08 July 2016
- STTP on “Welding Practices for Engineers”, GEC, Gandhinagar, 28 Nov - 02 Dec 2016
- STTP on “Smart Materials and Structures”, IIITDM, Jabalpur, 15 - 19 Jan 2018

PROFESSIONAL MEMBERSHIPS

- Life Member - Indian Society for a Technical Education

Honours AND AWARDS

Best Welding Engineer, IIW Baroda Chapter, Gujarat

2010

PORTFOLIOS

- Sports Incharge, GEC, Valsad **2011 - present**
- NSS Program Officer, GEC, Valsad **2014 - Present**
- FabLab Co-ordinator , SSIP, GEC, Valsad **2018 - Present**

SUBJECT TAUGHT

- Machine Design and Industrial Drafting
- Design of Machine Elements
- Machine Design
- Material Science and Metallurgy
- Fluid Mechanics
- I.C. Engine
- Heat Transfer
- Oil Hydraulics and Pneumatics
- Advance Welding Technology
- Manufacturing Processes
- Industrial Safety
- Industrial Engineering
- Engineering Thermodynamics