



KUNAL A CHAUDHARI

Assistant Professor
Mechanical Engineering Department,
Government Engineering College, Valsad
E-mail: kunal.mech02@gmail.com
Mobile: 9662136942

EDUCATION

ME in CAD/CAM L.D. College of Engineering, Ahmedabad	2011
BE in Mechanical Engineering S. S. Engineering College, Bhavnagar	2009

TEACHING EXPERIENCE

Assistant Professor Government Engineering College, Valsad	2016 -present
Assistant Professor F.E.T.R Bardoli	2011-2016

FIELDS OF RESEARCH INTEREST

Computer Aided Design: Expert CAD Systems, Knowledge based CAD Systems, Artificial Intelligence in CAD Systems. CAD Customization

Computer Aided Design: AUTOMATIONS, Optimizations of Machining Parameters

Rapid Prototyping: FDM and 3D printing

TECHNICAL SKILLS

- Programming languages: C, C ++,
- Computer Aided Design packages: AutoCAD, Creo, Catia, SolidWorks,
- FEM and CFD: Ansys,
- Other: Latex, Linux (openSUSE, Ubuntu), Windows OS

RESEARCH PROJECTS

- Simulation of Oil Cooler heat exchanger of Thermal Power Station Ukai using CFD

PUBLICATIONS

Journal Papers

“CFD ANALYSIS OF FEED WATER HEATER AT FULL LOAD CONDITION” in international journal of mechanics and thermodynamics, Volume 3, Number 1 (2012), pp. 11-18

“STRESS AND DISPLACEMENT ANALYSIS OF TURBINE WITH STAINLESS STEEL ROTOR BLADE MATERIAL”, International Journal of Engineering and Social Science, ISSN: 2249-9482 Vol.1, Issue 2.

“HEAT TRANSFER ANALYSIS OF OIL COOLER SHELL AND TUBE TYPE HEAT EXCHANGER USING CFD”, International Journal of Industrial Engineering and Technology. ISSN 0974-3146
Volume 4, Number 1 (2012), pp. 41-46

Conference Papers

“Design and analysis of crank shaft using FEA to obtain the stress magnitude at critical location and find out critical frequency of the system” in the all india seminar held on june 18-19, 2011 at CTAE, Udaipur.

WORKSHOP / TRAINING ORGANIZED

- Workshop on “GD & T “ for 5th sem. Mechanical students march 2019

WORKSHOP / TRAINING ATTENDED

- Induction Phase-I, NITTTER Extension Centre Ahmedabad
- Induction Phase-II, NITTTER Centre Bhopal

PROFESSIONAL MEMBERSHIPS

- Life Member, Indian Society for a Technical Education

PORTFOLIOS

- | | |
|------------------------|----------------------|
| ▪ Sports Coordinator | 2016-present |
| ▪ Hostel Warden | 2019-Present |
| ▪ Departmental Store | 2017- Present |
| ▪ Departmental Website | 2017-Present |

SUBJECT TAUGHT

- | | |
|--|--------------------------|
| ▪ Machine Design and Industrial Drafting | ▪ Operations Research |
| ▪ Design of Machine Elements | ▪ Industrial Safety |
| ▪ Computer Aided Design | ▪ Mechanics of solid |
| ▪ Engineering Graphics | ▪ Kinematics of Machines |
| ▪ Material Science and Metallurgy | ▪ Theory of machines |
| | ▪ Vehicle Dynamics |