

Ruchir J. Desai

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EDUCATIONAL QUALIFICATIONS

Education	College/ School Name	University	Passing Year
Ph.D. (Robotics)	-	C.V.M. University	Pursuing (Feb-2021)
M.E. (CAD/CAM)	Sardar Vallabhbhai Patel Institute of Technology, Vasad	Gujarat Technological University	2013
B.E. (Mechanical Engineering)	Government Engineering College, Dahod.	Gujarat University	2010

AREA OF INTEREST

- Robotics
- Computer Aided Design
- Computer Aided Manufacturing
- Finite Element Methods
- Machine Design
- Resistance Spot Welding Process

SUBJECTS TAUGHT (UG)

- Theory of Machines
- Dynamics of Machinery
- Design of Machine Elements
- Computer Aided Design
- Engineering Graphics
- Kinematics of Machines
- Automobile Engineering
- Product Design and Value Engineering

SUBJECTS TAUGHT (PG)

- Finite Element Methods
- Computer Aided Design

SOFTWARE SKILLS

- ANSYS
- CRE-O

PROJECTS GUIDED: UG – 20 & PG - 1

WORK EXPERIENCE:

- Working as an “Assistant Professor” at the Mechanical Engineering Department, ADIT since 01/07/2013.
- Worked as a “Trainee Engineer” at Neelkanth Engineering Industries, G.I.D.C., Vatva, Ahmedabad from 19 July, 2010 to 21 July, 2011.

LIST OF PUBLICATIONS:

- B. Makwana, R.J.Desai, P.L.Parmar, “Optimization Of Process Parameters For Resistance Spot Welding Process Using Taguchi Method For Austenitic SS304”, Volume 01 Issue 11, November -2014, International Journal of Advance Engineering and Research Development (IJAERD)
- B. Makwana, R.J.Desai, P.L.Parmar “Optimization Of Process Parameters For Resistance Spot Welding Process Of Austenitic SS304 Using Response Surface Method – A Review”, volume 1, Issue 8, April – 2014, International Journal For Technological Research In Engineering (IJTRE)
- Yash Patel, Bhavin Patel, Zil Shah, Ruchir Desai, Mukesh Makwana, “Study The Effect Of Process Parameters On Weld Quality In Friction Stir Welding Process” November 27- 29, 2014, International conference on Industrial, Mechanical And Production Engineering: Advancements And Current Trends, MANIT, Bhopal
- V.R. Singh, M.J. Zinzuwadia, S. Sheth, R.J. Desai, “Parametric Study and Design Optimization of Centrifugal Pump Impeller” Pages 507-515, 2017, Volume 1, International Conference on Research and Innovations in Science, Engineering & Technology (ICRISET2017), Kalpa Publications in Engineering.
- Ruchir Desai, Piyush Tailor, “Simulation Model of Resistance Spot Welding Process to Predict Nugget Formation Phenomenon”, Paper NO. 287, 9-12DEC2015, International Conference on Precision, Meso, Micro and Nano Engineering (COPEN9).

MEMBERSHIP DETAILS:

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