

Name of Teaching Staff	:	Hani Chotai	
Designation	:	Assistant Professor	
Department	:	Mechanical	
Date of Joining the Institution	:	03/09/2026	
Email ID	:	hani.chotai@djsce.ac.in	
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Vidwan Link	:	648380	
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ORCID		0009-0008-4335-5801	
Publons Researcher ID:		-	
Qualifications with Class / Grade	:	1. Pursuing Phd 2. M.E (Thermal Engineering) – Distinction 3. B.E (Mechanical Engineering) – Gold Medalist	
Total Experience in Years	:	Teaching: 14 years	
Papers Published in Journal:	:	1. “Cu and CuO Nanoparticles in Heat Transfer Applications: A Comprehensive Review”, Journal of Advanced Mechanical Engineering Application [ISSN:2716-6201], Volume 6, Issue 02, December 2026 2. “Effect of Varying Compression Ratio and Blend Percentage on Performance of Single Cylinder Diesel Engine operating on Blends of Plastic Pyrolysis Oil and Diesel”, International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 6, Issue IV, April 2018 3. “Plastic Pyrolysis Oil as Alternate Fuel in Diesel Engine: A Review”, International Journal of Scientific Research & Development (IJSRD) [ISSN:2321-0613], Volume 5, Issue 12, February 2018 4. “Review on Effect of Varying Compression Ratio on Performance and Emissions of Diesel Engine Fueled with Bio-diesel”, International Journal of Engineering Science and Innovative Technology (IJESIT) [ISSN:2319-5967], Volume 2, Issue 4, July 2013 1. “Review on Effect of Varying Injection Pressure and Injection Timing on Performance and Emissions of Diesel Engine operating on Diesel/Biodiesel at International Conference on Multidisciplinary	

Papers Presented in Conferences		Research & Practice (ICMRP-2014) organized by Research and Scientific Innovation Society on 30th November 2014 2. “A Review on Effects of Blends containing Low Ratios of Alternate Fuels- Biodiesel on Diesel Engine Performance and Exhaust Emissions” at International conference on “Emerging Trends in Mechanical Engineering” organized by G.H. Patel College of Engineering, Vallabh Vidyanagar during 4th – 5th January 2013 3. “A Review on Parameters Controlling Gas Metal Arc Welding Process” at 2nd International Conference on Current Trends in Technology organized by Institute of Technology, Nirma University during 8th – 10th December 2011. 4. “Effect of Deep Cryogenic Treatment on Tool Steels- A Review” at National Conference on “Emerging Trends in Mechanical Engineering” organized by G.H. Patel College of Engineering, Vallabh Vidyanagar during 18th-19th March 2011	
Area of Specialization		<u>Thermal Engineering</u>	
Professional Memberships	:	Life Member of ISTE: Associate Member of Institute of Engineers:	Membership No.: LM6290 Membership No.: AM147469-6
Subjects Taught		<u>UG Level:</u> • Thermodynamics • Power Plant Engineering • I.C Engines • Fluid Dynamics • Engineering Graphics <u>PG Level:</u>	
Projects Guided	:	<u>UG Level: -</u> <u>PG Level: -</u>	
Recommended Students for Higher Education		<u>Name of the Student</u>	<u>University/Industry</u>
Institute/Department Responsibility handled:		• Student less attendance reports and detention list preparation • Student chapter Coordinator • Event Coordinator of various Cultural & Technical events	