

# CURRICULUM VITAE



## KRUNAL JAYANTKUMAR SHAH

Assistant Professor, Mechanical Engineering Department,  
A D Patel Institute of Technology, New V V Nagar

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### **OBJECTIVE**

*Seeking an opportunity for professional challenge and growth in the field of education to utilize my knowledge for the betterment of students and to support & enhance co-operative objectives of the organization as a CAD/CAM/ FEA Engineer in the field of Designing and Analysis/Research and Development.*

### **EDUCATIONAL CREDENTIALS**

Degree/Exam	YEAR OF PASSING	UNIVERSITY/COLLEGE	RESULT OBTAIN (CGPA or %)
PhD	Pursuing	CVM University	-----
M.Tech (CAD/CAM)	2011	Charusat, Changa	8.00
B.E (Mechanical)	2009	ADIT/ SP University	6.53
HSC	2005	RPTP Higher Secondary School	62
SSC	2003	V N High School, Dharmaj	77.14

### **Technical/Software Skills**

- CREO, AutoCAD, ANSYS, HYPERWORKS, MATLAB

### **Paper Publications**

- A Novel optimization methodology for Design of Compliant Mechanism of a space payload system in ICISSET-2011 V.V.P. Engineering College, Rajkot, ISBN: 978-81-906377-9-4.
- Design optimization of a mirror segment for primary segmented mirror in Space society of mechanical engineers(SSME) Journal JME Vol. 9 No. 1, 2011
- Realization of an Optimized Compliant Mechanism for Thermal Compensation of Communication Space Payload Subsystem in Hyperworks Technological conference (HTC) 2011, Pune.
- An Overview of Friction Stir Welding for Dissimilar Materials, Proceedings of the National Conference on Innovative Trends in Mechanical and Aerospace Engineering (ITMAE-2014), March 2014, SVIT, Vasad, ISBN: 978-81-923462-8-1
- An Overview Of Buckling Analysis Of Single Ply Composite Plate With Cutouts, International Journal of Engineering Research and General Science Volume 2, Issue 5, August-September, 2014, ISSN 2091-2730
- Review Paper On Analysis And Optimization Of Hydraulic Loader Mechanism, International Journal of Engineering Technology, Management and Applied Sciences in Volume 3, Issue 2, February 2015, ISSN 2349-4476
- Conference paper on Experimental analysis of friction stir welding of dissimilar alloys aa6061 and mg az31 at international conference on innovations in automation and mechatronics engineering, ICIAME 2016

- V D Patel, Y D Patel, K J Shah, J Bhura, "Thermo-structural analysis of conventional type jacketed (MSGL) vessel", 22nd ISTE State Annual Convention and Conference on Theme "Engineering Innovations for Social and Environmental Development", p.p. 276-281, ADIT
- Shah, Krunal J., and A. R. Srinivas. "Realization of a Compliant Mechanism-Based Compensation Technique for Multiplexer Filter of Communication Space Payload." Recent Advances in Manufacturing Modelling and Optimization. Springer, Singapore, 2022. 671-681.
- **Teaching Experience:** 10 years at A D Patel Institute of Technology, New V V Nagar

**Domain Interest:**

- Machine Design, CAD/CAM/CAE, ADDITIVE Manufacturing

**Project/ Dissertation/ Thesis guidance UG/ PG:**

- UG:25, PG:8

**Date of Birth:** 22<sup>nd</sup> April 1988

**Languages known:** English, Hindi & Gujarati

**References:** Available on Request

I declare that the above information furnished by me, is true to the best of my knowledge.

Yours Sincerely

(KRUNAL J SHAH)