

Curriculum Vitae



Name : Dr. Vivek Devidas Kalyankar
Date of Birth : 27 – May - 1979
Designation : Assistant Professor
Department : Mechanical Engineering Department
Institute : Sardar Vallabhbhai National Institute of Technology (SVNIT)
Surat, Gujarat, India
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❖ Brief Summary:

- **Qualification:** Ph.D., M.Tech, B.E (Mechanical Engineering)
- **Award:** IEI Young Engineer Award in Mechanical Engineering Discipline
2014-15 given by **Institution of Engineers (India)**.
- **Publications:**
 - International Journals – 10
 - International Conferences – 15
 - Book Chapter – 01
- **Funded Research Projects:** 02
- **Total Experience:** 12 Years (Up to December 2014)
- **Short Term Training Organised:** 05
- **Conferences Organised:** 04
- **Expert Lectures Delivered:** 10
- **Ph.D. Guidance:** 01 Ongoing (Fulltime)
- **M.Tech Guidance:** 07 Completed
- **Area of Interests:** Manufacturing processes, Materials, Optimization

Details

❖ Details of Employment:

Sr. No.	Designation	Employer	Period
1	Junior Engineer (Q.C.)	M/s. Expo Gas Containers Ltd. Mumbai, India	1.5 Years
2	Lecturer	SSGM College of Engg., Shegaon, Maharashtra, India	05 Years
3	Asst. Professor	S. V. National Institute of Technology, Surat, Gujarat, India	From 2009 onwards

❖ List of Publications in International Journals: (Selected)

Sr. No.	Details of Journal	Title
1.	Applied Mathematical Modelling (Elsevier) 2014, 38, 5592-5608	Parameters optimization of selected casting processes using teaching – learning-based optimization algorithm
2.	International Journal of Advanced Manufacturing Technology (Springer) 2014, 73, 1159-1188	Optimization of modern machining processes using advanced optimization techniques: a review
3.	Engineering Applications of Artificial Intelligence (Elsevier) 2013, 26, 524-531	Parameter optimization of modern machining processes using teaching–learning-based optimization algorithm
4.	International Journal of Advanced Manufacturing Technology (Springer) 2013, 69, 93-106	Experimental investigation on submerged arc welding of Cr-Mo-V steel
5.	Materials and Manufacturing Processes (Taylor & Francis) 2012, 9, 978-985	Parameter Optimization of Machining Processes Using a New Optimization Algorithm
6.	Journal of Engineering Manufacture (IMechE, SAGE) 2012, 226 (6), 1018-1025	Multi-objective multi-parameter optimization of industrial laser beam welding process using a new optimization algorithm
7.	Scientia Iranica (Elsevier) 2013, 20 (3), 967-974	Multi-pass turning process parameter optimization using teaching–learning-based optimization algorithm

❖ **Details of Book Chapter:**

Sr. No.	Book Chapter	Details
1.	Optimization of Abrasive Machining Flow	Book Title: Introduction to Micromachining (Second Edition) Editor: Dr. V. K. Jain ISBN: 978-81-8487-361-0 Narosa Publishing House, India 2014

❖ **Details of Funded Research Projects:**

Name of the Funding Agency	Name of Projects	Amount	Duration
Gujarat Council on Science and Technology, GUJCOST, Gandhinagar (A division of DST)	Process parameter optimization of submerged arc welding for modified Cr-Mo steel using advanced optimization techniques	Rs. 4,15,000/-	02 Years
Department of Science and Technology, (DST), International Division, New Delhi, India	Development of Decision Support Models for Environmentally Conscious Design and Manufacturing of Products (Indo-Austria Joint Research Project)	Rs. 3,86,400/-	02 Years

❖ **Membership details of Professional Societies:**

- The Institution of Engineers (India) – Member
- Indian Society for Technical Education – Life Member
- Indian Institution of Industrial Engineering – Life Member
- Indian Society for Advancement of Materials and Process Engg. - Life Member

❖ **Interaction with Outside World:**

- Visited the **Technical University of Vienna, Austria**, during 24-29 June 2012 to carry out the technical discussion with the Austrian team members of the project as a part of **DST funded Indo-Austria Joint Research Project**.
- Visited the **Novosibirsk State Technical University (NSTU), Novosibirsk, Russia** during 10-13 September 2011 and interacted with various researchers and experts of the field. The visit was **funded by DST**, New Delhi for attending the Indo-Russian Joint Workshop.
- Visited the **House of Scientists, National Academy of Sciences of Ukraine**, Ukraine during 24-27 May 2011 and interacted with various scientists belonging to the field of laser welding

❖ **Administrative Responsibilities:**

- Chief Warden - Nehru Bhavan
- Professor Incharge – New Class Room Complex

(Dr. Vivek Devidas Kalyankar)

01-01-2015