

DR. SANKET N. BHAVSAR



E-mail : sanket1976@yahoo.co.in
sanketbhavsar@gcet.ac.in
Contact : (Mo)+91 9624943074
(O)+91 (2692) 236896; 231651

DESIGNATION: **ASSOCIATE PROFESSOR**
Mechatronics Engg Department
G H Patel College of Engg and Technology
Vallabh Vidyanagar – 388 120, Anand, Gujarat

ACADEMIC QUALIFICATION:

	Degree	Subject	University/Institution	Year
1	B.E.	Production	Birla Vishwakarma Mahavidyalaya (BVM) Engg College, Sardar Patel University, Gujarat	1998
2	M.Tech.	Mechanical (Manufacturing)	IIT Madras	2003
3	Ph.D.	Mechanical (Micro-Nano Machining)	IIT Delhi	2011

WORK EXPERIENCE: 12 years as on 2 Aug 2011.

Positions Held	Name of the Institute	Period
Lecturer	G H Patel College of Engg. and Tech., Gujarat	2 Aug 1999 to 31 May 2005
Asst Professor	G H Patel College of Engg. and Tech., Gujarat	1 Jun 2005 to 31 May 2008
Associate Professor	G H Patel College of Engg. and Tech., Gujarat	1 June 2008 to Till date

PUBLICATIONS: (Chronologically reverse order)

1. Bhavsar SN, Aravindan S, and Rao PV, Micromachining of Cemented Carbide Material using Focused Ion Beam (FIB) Milling, **6th International Conference on Micromanufacturing (ICOMM – 2011)**, TOKYO DENKI UNIVERSITY, JAPAN, 313-318, 7-10 March, 2011.
2. Bhavsar SN, Aravindan S, and Rao PV, Focused ion beam (FIB) milling of cutting tool materials, **Proceedings of the 6th India-Japan Joint Seminar on Micro/Nano Manufacturing Science**, Sponsored by **Department of Science and Technology, Government of India**, New Delhi and **Joint Society for Promotion of Science, Tokyo, Japan**, March 2011, at **IIT DELHI**.

3. Bhavsar SN, Aravindan S, and Rao PV, Micromilling of High Speed Steel (HSS) using Focused Ion Beam (FIB) Milling, Proceedings of **All India Manufacturing Technology Design and Research Conference – 2010** (3rd International and 24th AIMTDR – 2010), Andhra University College of Engineering, **INDIA**, 1, 217-222, 2010.
4. Sanket N. Bhavsar, Dr S Aravindan, and Prof P Venkateswara Rao, **“Effect of Redeposition – An Important Consideration in Existing Mathematical Model of Sputtering Process in Focused Ion Beam Milling”**, Proceedings of IEEE NANO 2010, 10th International Conference on Nanotechnology, **SEOUL, SOUTH KOREA**, 768-772, 17-20 August, 2010.
5. Sanket N. Bhavsar, Dr S Aravindan, and Prof P Venkateswara Rao, **“An Accurate and Efficient Control over the Present Numerical Model of Depth of Sputtering in Focused Ion Beam Milling”**, Proceedings of The Institution of Mechanical Engineers (**IMechE**), Part N, **J. OF NANOENGINEERING AND NANOSYSTEMS**, Vol. 223, 2009, Page 9-18.
6. Sanket N. Bhavsar, Dr S Aravindan, and Prof P Venkateswara Rao, **“A Critical Review on Microtools Fabrication by Focused Ion Beam Technology (FIB) Technology”**, Proceedings of The 2009 International Conference of Mechanical Engineering (ICME'09), under World Congress on Engineering (**WCE 2009**), **LONDON, U.K.**, 1 – 3 July 2009, Page 1510-1515.
7. Sanket N. Bhavsar, Dr S Aravindan, and Prof P Venkateswara Rao, **“Fundamentals and Applications of Micro and Nano Machining”**, Proceedings of national Conference on Innovations in Mechatronics Engineering 2009 (IME 09), Mechatronics Engg Dept, G H Patel College of Engg and Tech, Vallabh Vidyanagar – 388 120, Gujarat, India, 13 – 14 March 2009, Page 5-11.
8. S. N. Bhavsar, and R. C. Sanghvi, *“Cost Optimization of Slab Milling Operation Using Genetic Algorithms”*, National Conference on Emerging Trends in Mechanical Engineering (ETME), Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat – 395 007, Gujarat, India, 4-5 June 2007.
9. S. N. Bhavsar, *“An Approach for Selection of Variable Feedrate for Quality Machining of Sculptured Surfaces”*, Journal of Institution of Engineers (India) - Production, Vol 87, Pt 2, 2007, Page 36-41.
10. S. N. Bhavsar, *“Tool Deflection in Sculptured Surface Machining”*, Global Conference on Production and Industrial Engineering, CPIE – 2007, Industrial Engg Department, Dr. B R Ambedkar National Institute of Technology, Jalandhar – 144 011, India, 22-24 March 2007.

SEMINAR / PROFESSIONAL COURSES / TRAINING / WORKSHOP:

PROFESSIONAL COURSES UNDERTAKEN

- Professional training programme on “Oracle DBA”, 25thApril, 1999 to 24thMay, 1999, at Client-Server Software Pvt Ltd. (A Division of New Boston Select Group, USA), Ahmedabad, Gujarat.
- Professional training programme on “Oracle 8.0 and Developer 2000”, 11thDecember, 1998 to 1stMarch, 1999, at Client-Server Software Pvt Ltd. (A Division of New Boston Select Group, USA), Ahmedabad, Gujarat.

TRAINING ATTENDED

- **First SERC school on “Micromachining”**, jointly organized by **IIT Bombay and BARC Mumbai** at **IIT Bombay** (Mechanical Engg Dept), 2 to 7 June, 2008.
- One day seminar on “Non destructive Testing”, organized by Mechanical Engineering Department, G H Patel College of Engineering and Technology, 11 March 2007.
- Training course on “PLC Applications in Automation”, organized by Industrial Consultancy Cell, G H Patel College of Engineering and Technology, 1 to 7 Sept, 2005.
- Training programme on “Industrial Oil Hydraulics”, organized by Mechanical Engineering Department, G H Patel College of Engineering and Technology, 16 to 20 July, 2001.

WORKSHOP CONDUCTED

- One Day Workshop on “Industrial Robotics and Computer Aided Manufacturing” on 25 April 2004 at G H Patel College of Engineering and Technology.

MEMBERSHIP OF PROFESSIONAL SOCIETIES:

- Life member of ISTE
- Associate member of Institution of Engineers (IEI,India)
- Member of IAENG (**International Association of Engineers**), Hong Kong