

Somaiya Vidyavihar University

Name: Prof Vijay Bhosale		E-mail: vijaybhosale@somaiya.edu	
Contact No: 9930253341			
Department :Mechanical			
College: K J Somaiya College of Engineering			
DOJ Somaiya:13/01/2009	Career Experience: _21__ Yrs	Industry Experience: _six__ Months	Teaching Experience: _21__ Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation:	

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. Manufacturing 2. Automation <p>Courses Delivered</p> <p style="padding-left: 40px;">Production Engineering I Finite Element Analysis Mechatronics Production Engineering Ii Computer Aided Engineering Automation and Control</p>

Recognition as a teacher by any University	UG: Yes	PG: Yes/No	Ph.D : No
<p>Details of Recognitions</p> <ol style="list-style-type: none"> 1. UG:KJSCE/P/381/2008 2. PG:No.PG/I.C.D/2014-15/668 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
PG	M.E(CAD/CAM)	BVDU PUNE	BVCOE Pune	2005	First
UG	B.E(MECH)	SHIVAJI KOLHAPUR	PVPIT Budhgaon	2001	First

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	BVCOE Kharghar, Navi Mumbai	Lecturer	29/01/2003	12/01/2009	6 Yrs
2.	BVDU PUNE	Lecturer	10/10/2001	27/01/2003	1.5 Yrs

Somaiya Vidyavihar University

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date:Nil		No of students completed Ph.D as on date:Nil
No of students completed PG thesis / Project work as on date:06		No of students / groups completed UG projects as on date:50
Publications Total:09	Number of Peer review Journal papers:03	Number of Conference papers:06
<p>Details of Publications:</p> <p>International Journals</p> <ol style="list-style-type: none"> 1. Om Rajkumar Solavat, Vijay Bhosale, Ajay Gangrade, International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 11 Issue: 08 Aug 2024 www.irjet.net p-ISSN: 2395-0072 2. B R V Satya Swaroop, Vijay Bhosale, N R Gilke, Surface Roughness Prediction IN CNC Turning based on Motor Current using ANFIS , International Journal of Mechanical And Production Engineering, ISSN: 2320-2092, Volume- 4, Issue-9, Sep.-2016 3. Harshad Narvekar, Vijay Bhosale, Integrity Check and Vibration study for Agitator Vessel by FEA, International Journal of Innovative and Emerging Research in Engineering ,e-ISSN:2394-3343,p-ISSN:2394-5494,Volume 2,Special issue 1 ,MEPCON 2015 <p>National Journals</p> <ol style="list-style-type: none"> 1. Vaibhav Narwane, Balkrishna Narkhede, Vijay Bhosale and Prashant Jain, Comparative analysis of PID and Fuzzy logic Controller:A case of Furnace Temperature Control, Journal of Current science and Technology, July- Dec 2020 2. Rajesh Pansare, Vijay Bhosale , Design and Fabrication of speed control of A. C. Motor using PID Controller Journal of Automation and Automobile Volume 2 Issue 2 Mar 2018 <p>Conferences</p> <ol style="list-style-type: none"> 1. Ayush Panigrahi, Neer Jodhawat, Vijay Bhosale Design and Implementation of a Dual Mode Robotic Waiter with IoT Integration National Conference at K.J.Somaiya College of Engineering Prakalpa 2024 2. Ananya Kattali, Vijay Bhosale Quadraped Robot for Landmine Detection and Network based Location Sharing, International Conference on Robotics, Machine Learning and Artificial Intelligence (ICRMLAI) held in Nashik, India on 30 August, 2023. 3. Pranjay Bhawsar Aditya Mehta Harmit Ratnani Vijay Bhosale Manoj Pawar Automated Solar Panel Mounted Mechanism for Energy Generation in a vehicle International Conference on Recent Developments in Mechanical Engineering 2022 (ICRDME-22) 23–24 September 2022, RCOEM, Nagpur (India) 4. Mr. Harshal Tare*, Prof. Vijay Bhosale, Mr. Nimesh Chinoy, Design and Fabrication of Special Purpose Machine for TIG Welding of Pipe to Flange Component, International Conference on Mechanical, Manufacturing, Industrial and Civil Engineering, June 2019 5. Vijay V Bhosale, Nandkumar Gilke, Vaibhav Narwane, Cloud Computing for Unmanned Aerial Vehicles,, International conference on manufacturing and Industrial Engineering, September 2017 6. Low cost injection moulding-Shaping Of Ceramics ,Prof .Divya Padmanabhan Prof. Vijay Bhosale Prof Vijay Shinde, Proceedings of National Conference on Advances in Thermal and Fluid Sciences at Sinhgad Institute of Technology Lonavala 25-26 Feb 2011 7. Sandip Chavan , Vijay Bhosale, Computer Simulation and effect of Supply Pressure on Characteristics of Feed Slot Aerostatic Conical Bearing,, Proceedings of 14 ISME International 		

Somaiya Vidyavihar University

Conference on Mechanical Engineering in Knowledge Age, **Dec 12-14 2005**

6. **Vijay Bhosale, G.V.Patil**, "Static analysis of conical aerostatic bearing with feed slot" in National level Technical Paper Presentation at Bapurao Deshmukh College of engineering, Vardha **March 2005**

No of Research / consultancy / projects completed:
Rs:65,000/-

No of Research / consultancy / projects on-going:
Rs:

No of Research / consultancy / projects on applied as on date:
Rs:

Details of Research / consultancy / projects:

Completed

- Copy Right of SOLAR THERMAL IGNITOR L-130460/2023 /Dated:21/07/2023
- Design Registration of "RESCUE BOAT FOR CARRYING LIVESTOCK" IP No. 350417-001, Date of Issue : 07/03/2023
- Grant of Rs 25,000/- "Design and development of prototype of an open loop indigenous automated radioactive medicine dispenser 2019-20(Project#37)
- Grant of Rs.40,000/-received under University Grant 2009-10 (project#177). For the Project"Design and Fabrication of Injection Moulding Machine"

FDPs/Seminars/Workshops/Training Programs Attended

Attended

1. "Non Destructive Testing: Integrating Legacy and Emerging New Technique" Conducted by Mechanical Engineering during 8 -12 July 2024
2. "Industry 4.0 and Smart Manufacturing from 02 to 04 February, 2023 organized by the Department of Electronics Engineering at K. J. Somaiya College of Engineering, Somaiya Vidyavihar University.
3. Industrial Automation Training In Drive, Motion, Control & Robotics Conducted by DELTA Electronics India 13 Feb 2020 to 17 Feb 2020
4. "Cognizance of Industry-4.0 towards Implementation and Security " conducted by Mech and IT department 30th December, 2019 – 04th January, 2020"
5. Application of Computer aided Engineering tools in Mechanical Engineering" SIES Nerul - 01 Jan 2019 to 05 Jan 2019
6. "Industrial Automation" Organised by Sri Rama krishna Engineering College Coimbatore - 20 Nov 2017 to 03 Dec 2017
7. "Reliability In Electrical and Electronics systems" organized by Father agnel Vashi - 26 June to 01 July 2017
8. "Mechatronics: Concept to commissioning" ,S.P.College of Engineering Andheri-13 to 21 June 2016
9. "Fluid Mechanics" K.J.somaiya college of Engineering Vidyavihar 20 to 30 May 2014
10. "Introduction to research Methodologies" K.J.somaiya college of Engineering Vidyavihar 25 June to 04 July 2012
11. "Finite Element Analysis"Bharati vidyapeeth college of Engineering Belapur 2 Jan to 6 Jan 2012
12. "Mechatronics: K.J.somaiya college of Engineering Vidyavihar January to April 2006.

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Organized

1. “Non Destructive Testing: Integrating Legacy and Emerging New Technique” Conducted by Mechanical Engineering during 8 -12 July 2024.
2. “Emerging trends in the field of Mechatronics” Conducted by Mechanical Engineering department Dec 23 – 27 2019

Delivered


- Hands on session taken for STTP ”Industrial Automation” at KJSCE Vidyavihar on 5 June 2018

Notable Key Scholastic Achievements

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| 1. | Awarded the Second Prize for the paper “Static analysis of conical aerostatic bearing with feed slot” in National level Technical Paper Presentation at Bapurao Deshmukh College of engineering, Vardha March 2005 |
| 2. | Received Letter of appreciation from Department of Mechanical Engineering for best feedback from students for the Course Computer aided Engineering July –Nov 2018 |

Notable Positions and Responsibility

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| 1. | Institute level Co –ordinator for Team Robocon |
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Date: 05 / 09 / 2024

Signature of Faculty