

BIO-DATA

Name : **Dr.Joshi HarshadeepShyamkant.**

Qualification : **Ph.D. in Mechanical Engg. (IIT Kharagpur)**
M. E. (Mechanical – CAD/CAM)

Date of Birth : May 11,1978.

Address for
Correspondence : Assistant Professor, Mechanical Engineering Department
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At Works

Work Experience:

Teaching: 18 Years.
Research: 03 Years.

Subject Taught/Teaching:

CAD/CAM
Robotics
Mechatronics
Soft Computing Techniques (for M Tech)
Machine Drawing & Computer Graphics
Engineering Drawing
Engineering Mechanics
Machine Design I, II and III
Operations Research
Finite Element Analysis
Numerical Techniques

Additional Job Responsibilities:

1. Coordinator, Institute Reforms Cell under TEQIP-II at DrBATU Lonere.
2. Coordinator, Technical Event Committee, DrBATU Lonere.
3. University Timetable Coordinator, Dr. BATU Lonere.
4. Coordinator, Online Attendance System, Dr. BATU Lonere.
5. Chairman, Alumni Cell, Dr. BATU Lonere.
6. Coordinator, Cultural Committee, Dr. BATU Lonere.
7. Member, core committee, Teachers and Staff Training Centre, Dr. BATU Lonere.
8. Member, R&D Cell, TEQIP – II, Dr. BATU Lonere

9. Member, Campus Development Cell, Dr. BATU Lonere
10. Member, Internal Quality Assurance Cell (IQAC), IQAC
11. Member of 'Cell for Faculty and Staff Development - TEQIP' at Dr. B.A.T.U. Lonere
12. Member of 'Cell for Institute Networking - TEQIP' at Dr. B. A. T. U. Lonere
13. Member of 'Monitoring Committee - TEQIP' at Dr. B. A. T. U. Lonere

Publications:

1. MahtoRaju Prasad, Bhoje Rahul, Pal Surjya K, **Joshi Harshadeep S**, Das Siddhartha, "A study on mechanical properties in friction stir lap welding of AA 6061-T6 and AISI304", Materials Science & Engineering A652 (2016) pp 136–144
2. Joshi Harshadeep S, Dabde B M, Parvekar R P, and Deshmukh R S, "Application Programming Interface for Modeling Antifriction Bearings" National Conference on Contemporary Approaches in Design and Manufacturing'05, ACCET, Karaikudi-4. March 2005
3. Joshi Harshadeep S, Dabde B M, Parvekar R P, and Deshmukh R S, "Knowledge Driven Automation of CAD (Modeling) Procedures" 1st International and 22nd National AIMTDR Conference 2006 at IIT Roorkee. Dec 2006
4. Joshi Harshadeep S, Pal S. K., Chakraborty G., ParthasarathiMandal "Estimation of Thrust Force Using Finite Element Analysis during Drilling of GFRP Composites", International Journal on Global Technological Initiative, Vol. 01 issue 2 March 2012.
5. Harshadeep Joshi, UmeshKolhe, RohanThalkar, "Methane Hydrate: Natural Source of Energy", Energy Needs and Current Trends, ENACT-2014, National Conference at DBATU Lonere, 19th- 20th Dec 2014.
6. Harshadeep Joshi, ShubhankarGurav, "Energy Conservation through Heat Pipe", Energy Needs and Current Trends, ENACT-2014, National Conference at DBATU Lonere, 19th- 20th Dec 2014.

Short-Term Training Courses:

1. **Mechatronics:**
Duration: 2 weeks (11th to 23rd June 2001)
Organized by: Fr. Agnel College of Engineering, Bandra, Mumbai- 50.
2. **Nano –Technology: Opportunities and Challenges**
Duration: 2 Weeks (19th to 31st December 2005.)
Organized by: Dr. Babasaheb Ambedkar Technological University, Lonere. Raigad.

- 3. Product Lifecycle Management**
Duration: 3 Days (10th to 12th March 2006)
Organized by: Department Of Production Engineering, SGGS Institute of Engineering and Technology, Nanded. (Under TEQIP)
- 4. Genetic Algorithms for Engineering Optimization**
Duration: 4 Days (26th to 29th April 2006.)
Organized by: Kanpur Genetic Algorithms Laboratory (KanGAL), IIT Kanpur.
- 5. CATIA & ANSYS**
Duration: One Month (7th June to 06th July 2006)
Organized by: Central Institute of Tool Design, Hydrabad.
- 6. CEP on 'Low Cost High Tech Automation'**
Duration: Five Days
Organized by: Prof. Dr. Ramkrishnan, IIT Powai, Mumbai
- 7. Gear Tribology**
Duration: 5 Days
Organized by: Dr. H. Hirani, Mechanical Department, IIT Bombay
- 8. Statistical Modeling and Data Analysis**
Duration: 2 Weeks (30th Nov to 11th Dec 2009)
Organized by: V.G. Som School of Management, IIT Kaharagpur
- 9. QIP Short Term Course on Renewable Energy Materials & Their Industrial Uses**
Duration: 2 Weeks (Nov 05-16, 2012)
Organized by: IIT Kaharagpur
- 10. Research Methodology**
Duration: 1 Week (Nov 26-30, 2013)
Organized by: Dr. BATU Lonere
- 11. Nanotechnology: Opportunity and Challenges**
Duration: 2 Weeks (June 10-21, 2013)
Organized by: Dr. BATU Lonere
- 12. Interdisciplinary Aspects of Modeling of Manufacturing Processes**
Duration: 1 Weeks (Oct 02-06, 2013)
Organized by: Dr. BATU Lonere and IIT Hyderabad
- 13. GIAN course on Finite Element Analysis**
Duration: 2 Weeks (14th July to 24th July 2016)
Organized by: IIT Hyderabad
Grade Obtained: A-

14. SCILAB & SCICOS (Open Source Alternative to MATLAB & SIMULINK): Learning by Doing

Duration: 2 Weeks (May 17-28, 2016)

Organized by: GCoEKarad

Induction Program:

1. Induction Training Program for Engineering College Teachers:

Duration: 2 Weeks (2nd to 13th May 2006.)

Organized by: Dr.B.A.T.U. Lonere and NITTR Bhopal (Under TEQIP)

Seminars/ Expert Lectures:

1. Total Quality Management in Technical Education

Duration: 2 Days (23rd and 24th January 2006)

Organized by: Dr.B.A.T.U. Lonere (Under TEQIP)

2. Artificial Neural Networks and their Applications

Duration: 2 Days (29th and 30th July 2006)

Organized by: Electronics Dept., Dr.B.A.T.U. Lonere (Under TEQIP)

3. Micro-Nano Mechanics

Duration: 2 Day (21st & 22nd Dec 2009)

Organized by: Jointly by IIT Kharagpur and Bangal Engineering and Science University, Kolkata

Workshops:

1. Antigravity Workshop

Duration: 3 Days (30th December 98 to 1st Jan 1999)

Organized By: Dept. of Aeronautical Engineering , IIT Powai, Mumbai.

2. Low Cost Automation:

Duration: 1 Day (20th March 2004)

Organized by: M.H. SabooSiddik College of Engineering, Byculla Mumbai 08.

3. Development of Managerial Skills:

Duration: 3 Days (8th to 10th December 2005)

Organized by: Dr.B.A.T.U. Lonere and NITTR Bhopal (Under TEQIP)

4. Emomertics Test & Empathetic Communication:

Duration: 5 Days (27th to 31st March 2006)

Organized by: Dr.B.A.T.U. Lonere and Luence Consultancy Ltd. Mumbai (Under TEQIP)

5. PLC and SCADA:

Duration: 1 Week (3rd to 8th April 2006)

Organized by: Dr.B.A.T.U. Lonere and Prolific Systems & Technologies Pvt. Ltd. Pune (Under TEQIP)

15. One Day Workshop on Bio-Implants and MIMICS

Duration: 1 Day (10th Dec 2008)

Organized by: NIT Warangal

Computer Literacy:

1. **CAD software known:** ABAQUS 6.10, AutoCAD-2009, SolidWorks2001, SolidEdge V12, Autodesk Inventor Professional 2009, MDT (Mechanical desk-top) 4, Pro-E Wildfire 3, Ideas 8, Catia V5 R17.
 2. **CAE Software:** ANSYS 10.0, DEFORM 3D, HyperWorks, ABAQUS
 3. **Programming Languages:** C, Visual Basic.
 4. General Hardware Awareness
 5. Passed MS-CET exam by MSBTE Mumbai with 91% marks
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Industrial Interaction

Sponsored Project:

1. Chief Investigator for the sponsored project by BARC Mumbai, on '**Bio Connectors**'
2. Completed consultancy project on '**Investigation on Failure of Nipple Joints of Graphite Electrodes using Finite Element Analysis**' at IIT Kharagpur under Prof. S. K. Pal.

Industrial Project:

1. '**Design of a system for Ultrasonic Testing of Pipe with Zero Wall Clearance**' Guided B. Tech Project of problem solving nature for BARC, Mumbai.

Industrial Visits:

1. VRDE, Ahamadnagar, Sept 2014
2. Bhabha Atomic Research Centre, Mumbai
3. Accurate Engineering Ltd. Pune December 2005.
4. Blue Star Ltd. Silvasa.
5. Pembril Engineering Pvt. Ltd. Aurangabad.
6. Festo Ltd. Santakruz, Mumbai.
7. Mukand Steels, Kalwa, Thane.
8. ISI bars, Khopoli.
9. Siemens Ltd. Rabale, New Mumbai.
10. Wagon and Carriage workshop, Matunga, Mumbai.

Industrial Training:

Duration: One Month (16th June to 15th July 1998)

Organization: PembrilEngg. Pvt. Ltd. Chikhalthana, Aurangabad.
