

Curriculum Vitae

Name: Dr. Dipak Vishwanath Nehete

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Date of Birth: 22/11/1973



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph. D.	Mechanical Design	IIT Delhi	IIT Delhi	2016	-	-
M.E.	Mechanical Design	GECA, Aurangabad	Dr. BAMU, Aurangabad	2005	68.5	First Division
B.E.	Mechanical	JNEC, Aurangabad	Dr. BAMU, Aurangabad	1997	71.1	Distinction

M.Tech. Project: Failure investigation of connecting rod of heavy engine.

Ph.D Research: Finite Element Model updating of vibro-acoustic cavities.

Key Research Areas: Finite Element Modal Updating, Modal Analysis, Vibro-acoustics.

Experience

Sr. No.	Organization	Post	From	To	Years
1	Marathwada Institute of Technology, Abad	Lecturer	25/08/1997	31/12/2006	09
2	Marathwada Institute of Technology, Abad	Sr. Lecturer	01/01/2007	31/07/2007	-
3	Marathwada Institute of Technology, Abad	Assistant Prof.	01/08/2007	31/12/2010	3
4	Marathwada Institute of Technology, Abad	Associate Prof.	01/01/2011	Till date	11

List of Courses Taught/Teaching at UG level

- Machine Design I and II
- Theory of Machine I and II
- Strength of Material
- Theory of Metal forming
- Mechatronics
- Control system components
- Engineering Thermodynamics

List of Courses Taught/Teaching at PG level

- Research Methodology
- Computer aided Numerical Method

Conducted following Tutorial/Labs/teaching as teaching assistantship at IIT Delhi

- Experimental Modal Analysis (UG level)
- Control System (UG level)
- Engineering Graphics (UG level)
- NVH (UG level)

Additional, Assignments / Duties

1. Dr. Babasaheb Ambedkar Marathwada Institute, Aurangabad

- Worked as CAS Assistant Director for Dr. BAMU Engineering Examinations.

2. Dr. Babasaheb Ambedkar Technology University, Lonere

- Worked as University Representative for Local Inspection Committee.
- Worked as expert for PhD interview committee at Mechanical Engineering of Dr BATU, Lonere.
- Worked as member of Syllabus setting committee.

3. Marathwada Institute of Technology, Aurangabad

- Working as Chairman of IIW-MIT Student Chapter.
- Worked as Workshop Superintendent.
- Worked as a Departmental Budget Coordinator.
- Worked as a Central Fee Regulating Authority (FRA) Coordinator.
- Worked as Vice Principal (Academics).
- Worked as Chief Superintendent (CS) for the Dr. BAMU Examination

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- Worked as Understudy (US) for the Dr. BAMU Examamination

Membership of Professional Bodies

- Life member of ISTE (LM41080)
- Member of IIW-INDIA (PUNE/M/R-13307)

Research Projects/Projects Guided

Guided Industrial live projects at undergraduate level.

Computer/Software Proficiency

- MATLAB (Mathematical programming language and optimization)
- ANSYS
- Solid works
- MS office (MS Excel and Excel Solver, MS Word, MS Power point)

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Has participated in One Week Virtual International Faculty Development Program on Smart Tools and Methodologies for Academic Research organized by Department of ECE, Mahatma Gandhi Institute of Technology, Hyderabad in association with Swecha during 01-05 August 2022.
- Attended five days ICT mode Short Term Training Program (STTP) on ‘NBA Accreditation (ICT01)’ remotely coordinated by National Institute of Technical Teachers Training and Research (NITTR), Kolkata, at Marathwada Institute of Technology Aurangabad, during 22 April 2019 to 26 April 2019.
- Attended a Three days Faculty Symposium on ‘Engineering Curriculum Innovation: An Outcome Based Education (OBE) Approach’ held at PES College of Engineering, Aurangabad during 29th June, 2017 to 1st July, 2017.
- Participated in a Three days seminar ‘1st National Teachers’ Congress’ held in Pune, India organized at Maharashtra Institute of Technology, Pune during 23th – 25th September, 2016.
- Participated in Short Term Course under Quality Improvement Programme on Tribology in Practice at Indian Institute of Technology, Delhi during May 27th June to 2nd July 2016.
- Participated in two-week STTP on ‘Creep Fatigue and Fracture: State-of-the-Art’ ‘at Dr. Babasahab Ambedkar Technological University Lonere during March, 15-27, 2004.
- Participated in the National Robotic contest at Shiv Chhatrapati Krida Sankul, balewadi, Pune during 6-8 march 2009.

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference organized

- Worked as **Conference Secretary** in organizing an International Conference on Materials, Manufacturing and Design (iCMMD2017) jointly with Dr. Babasaheb Ambedkar Technological University DBATU, Lonere held during 11-12th December, 2017 hosted by Mechanical Engineering Department, MIT, Aurangabad.
- Worked as member of organizing committee of one week National level STTP on 'Modelling and Simulation' from 27th June 2016 to 2nd July 2016 at Maharashtra Institute Technology, Aurangabad

Invited talks delivered

NIL

Projects, Research Grants and Consultancy

NIL

Intellectual Property Rights

NIL

List of Research Publications

Papers in National/International Journal

- **D.V. Nehete**, S. V. Modak, K. Gupta, Structural FE model updating of cavity systems incorporating vibro-acoustic coupling, *Mechanical systems and Signal Processing*, 50-51(2015) 362-379.
- **D.V. Nehete**, S. V. Modak, K. Gupta, Coupled vibro-acoustic model updating using frequency response functions, *Mechanical systems and Signal Processing*, 70-71(2016) 308-319.
- V. G. Ukadgaonkar, S. P. Power, Subhas Lahane, **D. V. Nehete**, Comparative Analysis of unit problems using Ip theory and FEM (ANSYS), *Procedia Manufacturing*, (2017)
- N. S. Ahirrao, S. P. Bhosle, **D. V. Nehete**, Dynamic and vibration measurement in engines , *Procedia Manufacturing*, (2017)
- **D.V. Nehete**, S. V. Modak, K. Gupta, Experimental studies in finite element model updating of vibro-acoustic cavities using coupled modal data and FRFs, *Applied Acoustics*, 150(2019) 113-123.

Papers in International Conferences Proceedings

- **D.V. Nehete**, **S. V. Modak**, **K. Gupta**, A Method for FE Model Updating of Coupled Vibro-Acoustic Systems Using Constrained Optimization, Proceedings of the *Proceedings of the ASME*. 56437, Volume 14: Vibration, Acoustics and Wave Propagation, San Diego, California, USA, IMECE2013-66843, (November 15–21, 2013) V014T15A041.

- **D.V. Nehete, S. V. Modak, K. Gupta**, A Method for Vibro-Acoustic FE Model Updating of Cavities Using Frequency Response, *Proceedings of the 10th International Conference on Vibration Engineering and Technology of Machinery (VETOMAC-X)*, University of Manchester, UK, (September 9-11, 2014) 1033-1041.
- **D.V. Nehete, S. V. Modak, K. Gupta**, An iterative method for FE model updating of vibro-acoustic cavities using modal data, *Proceedings of the International Conference, Acoustics 2013 New Delhi*, India, (November 10-15, 2013) 1287-1293.
- **D.V. Nehete, C. L. Gogate**, Investigation in the failure of connecting rod of heavy duty engine for Maharashtra State Road Transport Corporation, *Proceedings of the International Conference on Advances in Material Processing and Characterization, AMPC 2006, Anna University, Tamilnadu, Chennai*, India, (November 10-15, 2013) 987-994.

Books / Book Chapter

NIL

NPTEL Certification

NIL

Awards, Achievements and Recognition

- Received recognition as Ph D research guide in the subject of Mechanical Engineering under Dr. Babasahab Ambedkar Technological University, Lonere.
- Ph. D. Scholarship Ministry of Human Research Development (MHRD), Indian Institute of Technology Delhi, India.
- IRD grant for attending ASME International Mechanical Engineering Congress and Exposition at San Diego, USA.

Date: 13/09/2022

Place: Aurangabad.
