



## Dr Bharatesh Adappa Danawade, PhD, FIE

101, SONIYA APARTMENT, RADHAKRISHNA NAGAR, CHIPLUN - 415605, RATNAGIRI, MAHARASHTRA, INDIA, E-mail: [bharatesh23@gmail.com](mailto:bharatesh23@gmail.com), Mobile: 09822730639/09326446145

### DATE OF BIRTH/ GENDER/HEIGHT/MARITAL STATUS/ LANGAUGES KNOWN

22<sup>nd</sup> July, 1970. / Male. /160 cm. / Married. / English, Hindi, Marathi and Kannada.

### PROFESSIONAL

Engineer, UG-Teacher, PG-Teacher, Academic Auditor, Trainer, Mentor, Research reviewer, Chartered Engineer (IEI), Fellow (IEI), Life Member ISTE, Life Member IEI, Member SAE with 25+ years of expertise with reputed industry and institutes.

### CAREER OBJECTIVES

- *Guide learners to become globally competent technocrats and responsible citizens*
- *Participate and build team(s) of hard working, self disciplined, and higher work ethic individuals*
- *Contribute and participate to make institute/organization a centre of excellence in its domain*
- *Strive hard to develop Socially, economically, environmentally sustainable institute/organization*

### QUALIFICATIONS

- **Ph. D (Mechanical Engineering)**, Research Resource Centre, Visvesvaraya Technological University, Belgaum, Awarded, 2017
- **M.E. (Mechanical Engineering: Production Management)**, Karnatak University Dharwad: B.V. Bhoomaraddi College of Engineering and Technology, Hubli with **Distinction (71.44%)**, 1997
- **B.E. (Mechanical Engineering)**, Karnatak University Dharwad: K.L.E's College of Engineering and Technology, Belgaum with **Distinction (70.66%)**, 1993

### RESEARCH GRANT/ASSISTANCE RECEIEVED

- Minor Research Grant, University of Mumbai, Research Project No. 331, 2012-13.
- Minor Rsearch Grant, University of Mumbai, Research Project No. 364, 2015-16.

### RECOGNISATIONS/ACHIEVEMENTS/AWARDS

- Approved UG Teacher in Mechanical Engineering (University of Mumbai)
- Approved PG Teacher in Mechanical Engineering (University of Mumbai)
- Life Member (Indian Society for Technical Education, New Delhi)
- Life Member (Institute of Engineers, India)
- Fellow (Institute of Engineers, India)
- Chartered Engineer (Institute of Engineers, India)

- PhD Guide (University of Mumbai, VTU Belgaum) : Applied

### RESEARCH REVIEWER (International Journals)

- Building and Construction Materials (SCI, Elsevier, UK)
- Steel and Composite Structures (SCI, Techno-press, SK)

### JOURNAL/BOOK PUBLICATIONS (International)

1. Kumbhar, S. G., K. Logesh, P. Hariharasakhtisudhan, S. D. Jadhav, B. A. Danawade, S. H. Gharat, L. M. Jugulkar, and J. G. Borade., Experimental and Numerical Investigation of a Cracked Cantilever Beam for Damping Factor to Access its Applicability in the Crack Detection, U. Porto Journal of Engineering 8, no. 2 (2022): 169-186.
2. Danawade BA, Malagi RR, Patil BS, Hanamapure NS. Effect of finger joint on flexural strength of teak wood. International Journal of Engineering and Technology. 2014;5(6):4929-37.
3. Danawade BA, Malagi RR, Kalamkar RR, Sarode AD. Effect of span-to-depth ratio on flexural properties of wood filled steel tubes. Procedia Materials Science. 2014 Jan 1;5:96-105.
4. Danawade BA, Malagi RR, Mulla AI. Study of effect of tolerance on flexural strength of wood reinforced steel tube. International Journal of Engineering and Innovative Technology (IJEIT). 2012 Jul;2(1).
5. Danawade BA, Malagi RR., Fatigue behavior of circular hollow tube and wood filled circular hollow steel tube. Steel and Composite Structures. 2015;19(3):585-99.
6. Danawade B, Malagi R, Malagi S. Flexural strength properties of teak wood filled rectangular hollow sectioned thin steel tube and its application in automobile. SAE Technical Paper; 2013 Apr 8.
7. Danawade BA, Malagi RR. Design and manufacturing of wood filled steel tubes for structural applications. Materials Today: Proceedings. 2019 Jan 1;18:4133-42.
8. Malagi RR, Danawade BA. Effect of interfacial shear stress on flexural properties of wood filled steel tube. SAE Technical Paper; 2015 Apr 14.
9. Danawade BA, Malagi RR. Bond strength in wood filled rectangular hollow steel tubes. Materials Today: Proceedings. 2020 Mar 21.
10. Danawade BA, Malagi RR. Vibration characteristics of teak wood filled steel tubes. In AIP Conference Proceedings 2018 May 15 (Vol. 1966, No. 1, p. 020010). AIP Publishing LLC.
11. Danawade BA, Malagi RR. Material Properties of Hollow Sectioned Steel Tubes and Wood Filled Hollow Sectioned Steel Tubes under Compression. SAE Technical Paper; 2014 Apr 1.
12. Danawade BA, Malagi RR. Fatigue Properties of Adhesively Bonded Teakwood Filled Circular Hollow Steel Tube in Rotary Bending Application. In Fatigue, Durability, and Fracture Mechanics (pp. 465-477). Springer, Singapore.
13. Waghmare S, Khalkar V, Jugulkar L, Danawade B. Modal analysis of automobile suspension system, Technology Today Quarterly Journal, 2010;2(4):27-30.

### JOURNAL/BOOK PUBLICATIONS (National)

1. Danawade BA, Production cycle time and operator fatigue reduction by low cost automation: a case study, Supply Chain Management in Global Enterprise, Tata McGraw Hill 2004.
2. Danawade BA, Problems in single order processing and suggested remedies for improvements, Industrial Engineering Journal, Indian Institute of Industrial Engineering, 2007;36(10):4-6

### PROFESSIONAL EXPERIENCE

Organization	Designation	Period		Responsibilities
Gharda Institute of Technology, Lavel	Professor	27.11.2017	Till date	Teaching, Training, HoD, Dean, NBA coordinator, CDC Member, IQAC Member

Gharda Institute of Technology, Lavel	Associate Professor	10.06.2010	26.11.2017	Teaching, Training, I/c Principal, Vice Principal, NBA coordinator,
Gharda Institute of Technology, Lavel	Assistant Professor	28.06.2007	09.06.2010	Teaching, Training, HoD, Convener-Student Activities, Chief Conductor-Exams
Gujarat Glass Ltd	Assistant Manager	30.10.2006	20.06.2007	Technical Training, Selection, DET, GET, OGT, Employee and appraisal,
Finolex Academy of Management and Technology, Ratnagiri	Senior Lecturer	09.07.2003	27.10.2006	Teaching, Training, I/c HoD, Convener-Student Activities, Chief Conductor-Exams
Finolex Academy of Management and Technology, Ratnagiri	Lecturer	09.07.1998	08.07.2003	Teaching, Training, Workshop I/c, Lab development, Esatblishment
Gogte Institute of Technology, Belgaum	Lecturer	02.09.1997	02.07.1998.	Teaching, Training, FE Workshop I/c
Jain Engineers, Belgaum	Assistant Engineer	23.05.1994	23.07.1995	Production planning and control

### CONFERENCES PAPERS (International)

1. Danawade BA, Automation of drilling, hexagonal broaching, and burr removal processes, International Conference on Recent Trends in Automation and Its Adoption to Industries, Priyadarshini College of Engineering and Architecture, Nagpur, India and IFToMM, USA, July 11-14, 2006.
2. Danawade BA, Khalkar VR, Error estimation in experimental vibration, International Conference on Science, Engineering & Spirituality, SES College of Engineering, Navalnagar, 1<sup>st</sup> – 2<sup>nd</sup> April, 2010.

### CONFERENCE PAPERS (National)

1. Danawade BA, Malagi RR, A view on some key indicators of India and research contributions of India in last decade, Recent Advances in Engineering and Technology, Lavel, 2013
2. Danawade BA, Expert System for Weld Defects in Shielded Metal Arc Welding (SMAW) processes, National Conference on Recent Trends in Manufacturing, Kolhapur Institute of Technology, Kolhapur, Maharashtra, India, 07<sup>th</sup> -08<sup>th</sup> Jan, 2006.
3. Danawade BA, EIRP Software Packages for Managing Business Functions of Engineering Institutes, National Conference on Total Quality Management in Engineering Education sponsored by AICTE, New Delhi 5<sup>th</sup> - 6<sup>th</sup> March, 2009.
4. Khalkar VR, Danawade BA, Coupled Field Analysis of a steel link between two solids, National Conference on Recent Trends & Challenges in Mechanical Engineering, Ramtek 5<sup>th</sup> - 6<sup>th</sup> october, 2009.
5. Khalkar VR, Danawade BA, Finite Element Analysis of Pressure vessel to verify its Design National Conference on Recent Trends & Challenges in Mechanical Engineering at Ramtek, 5<sup>th</sup> - 6<sup>th</sup> october, 2009.
6. Khalkar VR, Danawade BA, Finite Element Analysis of Insulated Wall Temperature, National Conference on Advances in Heat & Mass Transfer, Ratnagiri, 30<sup>th</sup> - 31<sup>th</sup> october, 2009.

7. Khalkar VR, Danawade BA, Modal Analysis of Spring mass system, National Conference on Innovations in Mechanical Engineering at Faizpur, Bhusaval, 28<sup>th</sup> - 29<sup>th</sup> January, 2010.
8. Khalkar VR, Danawade BA, Tensile Stress Analysis of a Mild Steel Bar, National Conference on Innovations in Mechanical Engineering at Faizpur, Bhusaval, 28<sup>th</sup> - 29<sup>th</sup> January, 2010.
9. Khalkar VR, Danawade BA, Experimental & FEA analysis of a Simply Supported Beam, National Conference on Innovations in Mechanical Engineering at Faizpur, Bhusaval 28<sup>th</sup> - 29<sup>th</sup> January, 2010.
10. Khalkar VR, Danawade BA, Buckling Analysis of A Long Column, National Conference on Innovations in Mechanical Engineering, Faizpur, Bhusaval 28<sup>th</sup> - 29<sup>th</sup> January, 2010.
11. Khalkar VR, Danawade BA, Mode Frequency Analysis of a Spring-Mass System, National Conference on Recent Advances in Design & Manufacturing Engineering, Warananagar, Kihapur, 27<sup>th</sup> - 28<sup>th</sup> February, 2010.
12. Khalkar VR, Danawade BA, Deflection of a Cantilever Beam due to its Self weight, National Conference on Recent Advances in Design & Manufacturing Engineering, Warananagar, Kolhapur, 27<sup>th</sup> - 28<sup>th</sup> February, 2010.

### **CONCEPTS/ INDUSTRIAL PROJECTS HANDLED**

1. Design and Fabrication of Cam Analysis, Karnatak State Council For Science And Technology, Bangalore, Karnatak, India. 1993
2. Expert System for Weld Defect Characterization in Arc Welding Processes, BHEL-Welding Research Institute, Tiruchirapalli, Tamil Nadu, India. 1996
3. Automation of Serration Making Machine, Adler Medi-Equip Pvt. Ltd. Devrukh, Ratnagiri, Maharastra, India.
4. Automation of Hexagonal Broaching and Burr Removal Machine, Adler Medi-Equip Pvt. Ltd. Devrukh, Ratnagiri, Maharastra, India.
5. Automation of File Cutting Machine, Sagar Ratna Enterprises. Ratnagiri, Maharashtra, India.
6. Design and Fabrication of Hydraulically Operated Scissor Lift, Finolex Academy of Mgt. And Tech. Ratnagiri, Maharashtra, India.
7. Modifications in Plant Facilities Layout – A Case Study, Siemens Ltd., Kalwa, Thane, Mumbai, India.
8. Computer Interfacing and Software Development for Surface Roughness Tester, Finolex Academy of Mgt. And Tech. Ratnagiri, Maharashtra, India. Second Prize Winner, Innowaves 2006, National Level Project Competition.
9. Bio-Toilet For Indian Railways, Central Workshop, Mumbai.

### **FACULTY DEVELOPEMNT PROGRAMS**

1. 2 Week STTP, Induction Training Program for Technical Teachers, AICTE, ISTE, University of Pune,
2. 2 Week STTP, Computer Graphics and Auto Lisp Programming, AICTE, ISTE,
3. 2 Week STTP, Management Skill and Entrepreneurship, AICTE, ISTE
4. 2 Week STTP, Opportunities And Challenges in High Precision Manufacturing - Vision 2020, AICTE, ISTE,
5. 2 Week STTP, NBA Accreditation, Institute Building and Staff Development, AICTE, NITTR Bhopal
6. 2 Week STTP, Introduction to Research Methodologies, NME-ICT(MHRD), IIT Bombay
7. 2 Week STTP, Engineering Mechanics, NME-ICT(MHRD), IIT Bombay
8. 1 Week STTP, Manufacturing Processes and Systems: An IT Perspective, University of Mumbai, K.J. Somaiya College of Engineering, Mumbai
9. Training Program, Internal Auditor for ISO 9001:2000, EMS 14001:2004, and OHSAS 18001:1999, Gujarat Glass Ltd. Kosamba, Surat, India.
10. Workshop, Aakash for Education, NME-ICT(MHRD), IIT Bombay
11. Workshop, Training and Identification of Master Trainers on Outcome Based Accreditation Process and Parameters, NBA, Walchand College Of Engineering, Sangli
12. Workshop, Research Methodology and Latex, VTU Belgaum
13. Orientation Program, Manufacturing Planning and Control, University Of Mumbai, Vidyavardhini College Of Engineering, Mumbai.

14. Orientation Program, Business Process Reengineering, University Of Mumbai, Sardar Petel College Of Engineering
15. Certificate Course, Autocad, ADCC Infocad(P) Ltd., Autodesk
16. Training Program, Latex – A Documentation System, Finolex Academy of Management and Technology, Ratnagiri, India
17. Training Program, Design and Analysis of Pressure Vessels, Gharda Institute of Technology, Lavel

#### **CONSULTANCY/ADJUNCT ASSIGNMENTS/RESOURCE PERSON**

1. Product Design and Manufacturing, Finolex Industries Limited, Ratnagiri
2. Testing and Measurement, Maharashtra Pollution Control Board, Ratnagiri.
3. Product Design and Manufacturing, Gharda Foundation-GIT, Chiplun.
4. Adjunct Faculty, Lawrence Technological University-International Institute of Information Technology (I<sup>2</sup>IT), Pune.
5. Visiting Faculty, Vishwakarma Sahajeevan Institute of Management, Khed.
6. Testing and Measurement, K2P Chemicals, Lote
7. Resource person, NBA, Gharda Institute of Technology, Lavel
8. Resource person, NBA, Kolhapur Institute of Technology, Kolhapur
9. Resource person, NBA, St. John college of Engineering and Mangement, Palghar
10. Resource person, NBA, Rajendra Mane College of Engineering and Technology, Devrukh
11. Resource person, NBA, Aravind Gavali College of Engineering, Satara
12. Chairman/Member, LIC, University of Mumbai

#### **SUBJECTS OF INTEREST**

- **Technological stream:** Production Processes/Manufacturing Processes, Materials Technology, Metallurgy, Engineering Mechanics, Engineering Drawing, Composite Materials
- **Managerial Stream:** Production/Operations Management, Manufacturing (Production) Planning and Control, Business Process Re-engineering, Logistics and Supply Chain Management, Industrial Engineering and Management, Enterprise Resource Planning, Principles and Practice of Management, Organizational Behavior, Human Resource Management

#### **OTHER AREAS OF INTEREST**

Oratory, Philosophy, Painting, Touring, Reading, Music, Spirituality, Meditation, Yoga, Social Service, Financial Management, Wealth Management, Design of Gift Articles.

*I hereby declare that all the statements made herein are true and complete to the best of my knowledge and belief*

*Place :*

*Date :*

*Dr. Bharatesh Adappa Danawade*