

Faculty Profile

Name of Faculty	Harish	
Department	Mechanical	
Qualification	B.E, M.E, (Ph.D)	
Designation	Asst. Professor	
Area of specialization	Machine Design	
Date of Joining BNMIT	22.07.2013	
Nature of Association (Regular/Contractual/ Adjunct)	Regular	
e-mail	harishbba@gmail.com	
No. of years of Experience	Teaching:7.5 years Industry :2 years	

Academic Qualifications

- **Ph.D.**(Pursuing) Completed comprehensive viva at Research center Department of Mechanical Engg, BNMIT, under Visvesvaraya Technological University ,India.
- **M.E.** (2012), Machine Design, U.V.C.E, Bangalore University, India (First class with Distinction).
- **B.E.** (2006), Mechanical Engineering, NMAMIT, Nitte ,Visvesvaraya Technological University, India (First class).

Working Experience Details

Working as Assistant professor in B.N.M.I.T Bangalore. (22nd July 2013 to till date)

Worked as Assistant professor in K.S.I.T Bangalore. (17th Dec 2012 to 29th June 2013)

Worked as Lecturer in SJEC , Mangalore. (15th July 2009 to 30th July 2010)

Worked as Lecturer in Moodlakatte Institute of Technology, Kundapura (25th July 2008 to 14th July 2009)

Worked as a production engineer, Avasarala Technologies Ltd , Bangalore (6th September 2006 to 26th July 2008)

Subjects taught

Finite Element Method
Kinematics of Machines
Material science & Metallurgy
Mechanics of Materials
Theory of elasticity

Research Experience Details:

Ph.D (pursuing):

Guide : Dr.D.Shivalingappa

Title: Studies on Foreign Object Damage and its mitigation on aeroengine components.

The aim of this research is evaluation and analysis of residual stresses due to foreign object damage, influence of foreign object damage (FOD) on the fatigue life and mitigation of effects caused by foreign object damage through surface treatment is intended.

Instruments Handled/Software's handled:

ANSYS -15

Research Publications:

I. In National & International Journals

International Journals:

1. Impact of Ball burnishing process parameters on surface Integrity of an Aluminium 2024 Alloy, Harish^{1*}, D.Shivalingappa¹, Vishnu.P¹, Sampath kumaran².
2. Design, Development and Fabrication of Multipurpose Agro Machine- Prashanth S.R.¹, Punith S.², Ashok Raja³, Mukhtar Nadeem⁴, **Harish A.**⁵ International Journal of Engineering Research in Mechanical and Civil Engineering (IJERMCE) Vol 2, Issue 5, May 2017
3. Design of roller burnishing tool and its effect on surface integrity of Al6061 Hemanth.s., **Harish**, Nithin bharadwaj, abhishek bhat, chetan shriharsha, Materials Today: Proceedings 5 (2018), Vol./Issue 5 pp. 12814-12820.
4. A study of bio-active coating of Al₂O₃, egg and sea shell powder on PVC, teflon, and polyurethane Venkatesh.N, Hanumantharaju, aravind, Harish, Materials Today: Proceedings 5 (2018), Vol./Issue 5 pp. 13358-13365

II. Papers Published/presented in National / International conferences

1. Measurement of Residual stress distribution and fatigue life assessment of similar and dissimilar butt welded joint -Varun Ravichandran¹, Varun Kumar D¹, Revanth E R¹, Sandeep M¹, Harish A* Fatigue durability India 2016, IISc Bangalore.
2. strength analysis of polymers comparing with ss316l used as orthopaedic implant by dynamic analysis –Harish¹, Hanumantha raju² at International Conference on Advances in Materials, Manufacturing and Applications (AMMA 2015), April 9-11, 2015

Participation in Training courses/Seminars/Workshops

1. Participated in Faculty Development Programme on “ **Research issues and challenges in Mechanical engineering science** ” organized by the Department of Mechanical Engineering, BNMIT, , Bengaluru from 16th July to 20th July 2018
2. Participated in Faculty Development Programme on “**Emerging Research Areas & Trends in Mechanical Engineering**” organized by the Department of Mechanical Engineering, BNMIT, Bengaluru from 31st July to 5th August 2017.
3. Participated in Faculty Development Programme on “**Emerging research areas and trends in mechanical engineering**” organized by the Department of Mechanical Engineering, BNMIT, , Bengaluru from 16th January to 21st January 2017
4. Participated in Faculty Development Programme on “**Innovative Teaching Methods**”organized by the Department of Mechanical Engineering, BNMIT, Bengaluru from 18th July to 23rd July 2016.
5. Participated in Faculty Development Programme on “**Research Avenues in Thermal, Design and Manufacturing Engineering**” organized by the Department of Mechanical Engineering, BNMIT, Bengaluru from 11th July to 16th July 2016.

Personal Details:

- **Date of Birth:** 10- 04 –1984;
- **Sex:** Male.
- **Family Details:** Wife

16th February 2019

Harish