

CURRICULUM VITAE

Dr. VINAYAKA PATIL A B

Assistant Professor
Department of Mechanical Engineering
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Teaching Experience: 14 Years

VTU Faculty Profile ID: 4BDME0003765

Field of Specialization

Major – Machine Design
Ancillary – Mechanical Vibration, Composites

Academic Profile:

Level	Year	Board/University	College/Institution	% of Marks
Ph.D	2023	VTU, Belagavi	Sambhram Institute of Technology, Bengaluru	Awarded
M.Tech (Machine Design)	2009	VTU, Belagavi	BIET-Davangere	75.00
B.E (Mechanical Engineering)	2007	VTU, Belagavi	BIET-Davangere	64.00

Work Experience:

- Worked as a lecturer in Mechanical Department of Bapuji Institute of engineering and Technology Davangere from 2009 to 2012.
- Working as Assistant Professor from September 2012 till today in the department of Mechanical Engineering.

Membership:

- Life Member of Indian Society for Technical Education: LM 70913
- Life Member of the Institution of Engineers (India): M-1681766
- Life Member of the International Association of Engineers (IAENG): 274795
- Life Member of the Institute for Engineering Research & Publication (India): PM41237096

Core Subjects Taught:

- Automobile System Design, Advance Theory of Vibrations, Mechanical Vibrations , Elements of Mechanical Engineering, Mechanics of Materials, Experimental stress analysis, Mechanical Measurements & Metrology, Computer Aided Engineering Drawing, Energy Engg, Control Engg, Total Quality Management.

Paper Presentation:

1. Paper presented on “Wear, Thermal and Transient analysis of hard faced agricultural equipment” in International conference on Advances in Mechanical and Building Sciences in the 3rd Millennium (ICAMB 2009) during 14th to 16th Dec 2009 at VIT University, Vellore, Tamil Nadu, India.
2. Paper presented on “Wear and Thermal analysis of hard faced agricultural equipment” in National conference on Mechanical Engineering trends-COMET- 2010, Dept. of Mechanical Engineering, BITM, Bellary, Karnataka on 19th and 20th February 2010.
3. Paper presented on “Design And Fabrication of Reverse Gear Mechanism For Handicapped Person Vehicle Using Gearbox With Differential” in International Conference on Advanced Research in Mechanical Engineering(IC-ARME-2019), April 29th & 30th , 2019 at MVJ College of Engineering, Bengaluru, Karnataka, India.
4. Paper presented on “Experimental Investigations of Vibration Characteristics of Jute Fibre Polymer Composites”, Journal of Mines, Metals and Fuels, Volume70, Issue3A, March 2022, PageNo.42-45. DOI: <https://doi.org/10.18311/jmmf/2022/30666>
5. Paper presented on, “Study of Mechanical properties of Jute Fibre Reinforced Polymer composite”, *International Journal of Engineering Sciences & Management*, ISSN 2277 – 5528, ICAMS: March 2017, Page No. 14-26.

DOI: <http://www.ijesmjournal.com/issues%20PDF%20file/ICAMS-2017/3.pdf>

Workshops & Seminars Attended:

- Attended one day seminar on “Recent Trends in Nanotechnology” held on 20th September 2008 at B.I.E.T., Davangere under the sponsorship of ISTE Students Chapter & IIPC.
- Attended one day workshop on “Micro Electro Mechanical System (MEMS) & Its Applications” held on 8th November 2008 at B.I.E.T., Davangere under the sponsorship of ISTE Students Chapter, IIPC& Prod-Mech Forum.
- Participated in one day workshop on “Fracture Mechanics” held on 31st October 2009, organized by Industry Institute Partnership Cell of B.I.E.T., Davangere.

- Attended one day workshop on “Mathematics & its applications in engineering” sponsored by ISTE Local Chapter, IIPC, Prod-Mech Forum & Mathematics Department held on 18th February 2010 at BIET, Davangere.
- Attended one day workshop on “CNC technology on 13th may 2009.
- Participated in one day workshop on “Ramanujan Mathematics Awareness Programme (RMAP-2013)” sponsored by ISTE Local Chapter & Mathematics Department held on 1st March 2013 at BIET, Davangere.
- Participated in three days Workshop on “Feel Teacher” conducted by CHLRD, Mangalore held on 19th to 21st April 2013 at BIET, Davanagere.
- Participated in one day Workshop on “CFD” conducted by Prod – Mech form, held on 7th Nov, 2013 at BIET, Davanagere.
- Participated in five days Mission 10X Workshop - Faculty Development Programme held on 28th May to 1st June 2012 at BIET, Davangere
- Participated in two days Faculty Development Programme on “Computer Aided Engineering Drawing” held on 24th and 25th August 2012 at JIT, Davangere sponsored by VTU, Belgaum.
- Attended one Day seminar on “SCIENCE IN ENGINEERING (SSE-2017)” held on 15th December, 2017 at Bapuji Institute of Engineering and Technology, Davanagere, Karnataka.

1. Attended online 3-Days Faculty Development Program on “Modelling and Simulation using FEA - Applications in Industry” Organized by Department of Mechanical Engineering of Sambhram Institute of Technology, in association with ProSIM R&D Pvt. Ltd., Bengaluru-58, during 17th - 19th Dec 2020.
2. Attended AICTE, New Delhi under AQIS sponsored 6- Day Online Short Term Training Programme on “Intellectual Property for Engineers & Scientists”- Phase-3 organized by the Department of Mechanical Engineering, CMRIT, Bengaluru from 14th Dec-19th December, 2020.
3. Attended AICTE, New Delhi under AQIS sponsored 6- Day Online Short Term Training Programme on “Intellectual Property for Engineers & Scientists”- Phase-2 organized by the Department of Mechanical Engineering, CMRIT, Bengaluru from 23rd Nov-28th November, 2020.
4. Attended AICTE, New Delhi under AQIS sponsored 6- Day Online Short Term Training Programme on “Intellectual Property for Engineers & Scientists”- Phase-1 organized by the Department of Mechanical Engineering, CMRIT, Bengaluru from 9th Nov-14th November, 2020.
5. Attended 5- Day Online Faculty Development Programme titled “Research Methodologies in Mechanical Engineering (A Refresher Approach)” organized by the Department of Mechanical Engineering, Narsimha Reddy Engineering College, Secunderabad, Telangana-500100 from 30th July-4th August, 2020.
6. Attended online 5-Days Faculty Development Program on “Advancements and Futuristic Trends in Materials and Mechanical Engineering”, organized by Industry Institute Interaction cell, Department of Mechanical Engineering, Bangalore Institute of Technology, Bengaluru from 27th -31th July, 2020.

- Attended online 5-Days Faculty Development Program on “Artificial Intelligence and Data Analytics for Automation” organized by the Department of Robotics Engineering, Karunya Institute of Technology and Sciences, Coimbatore, held from 27th July to 31st July 2020.
7. Attended online 5-Days Faculty Development Program on “Applications of Thermodynamics” conducted by Department of Mechanical Engineering, PESITM, Shivamogga from 13th -17th July, 2020.
8. Attended 4-days Faculty Development Program on “Current Trends in Mechanical Engineering” organized by Department of Mechanical Engineering from 22-07-2020 to 25-07-2020 at S J M Institute of Technology, Chitradurga.
9. Attended online 3-Days Faculty Development Program on “Fracture Mechanics” (FM-2020) held on 24th - 26th June, 2020 at P.E.S. Institute of Technology and Management, Shivamogga.
10. Attended online 3-Days Faculty Development Program on “Advancements in Dynamic Analysis of Machine Elements” held on 27th - 29th July, 2020 at Vidyavardhaka College of Engineering, Mysuru.
11. Attended online 3-Days Faculty Development Program on “Advances in Machining Process” held on 17th - 19th June, 2020 at P.E.S. Institute of Technology and Management, Shivamogga.
12. Attended online 3-Days Faculty Development Program on “Finite Element Analysis using Ansys” (FM-2020) held on 4th - 6th June, 2020 at Bheemanna Khandre Institute of Technology, Bhalki.
13. Attended online One week Faculty Development Program on “Research Opportunities in Advanced Manufacturing Processes” held on 22nd - 28th June, 2020 at Bharati Vidyapeeth College of Engineering, Pune.
14. Attended Three Days National Webinar series from 20.07.2020 to 22.07.2020 organized by the Department of Physics, Bapuji Institute of Engineering & Technology, Davanagere.
15. Attended Three Day International Faculty Development Program on “3D Printing Technology and Its Software Tools”, organised by Department of Mechanical Engg and Department of Automobile Engg, Acharya Institute of Technology, Bengaluru, during 5th, 6th and 7th of August 2020.
16. Attended online National Level Faculty Development Program on “NBA Preparation & CO-PO Mapping” organized by Dept. of Mechanical Engg. held on 28th June, 2020 at SVPM’s College of Engineering, Malegaon Bk, Baramati, in association with ISTE.
17. Attended online one Day webinar on “Interrogation in MEMS, NEMS and Nanotechnology” held on 5th June, 2020 at Cambridge Institute of Technology, Bengaluru.
18. Attended online one Day webinar on “Impact of PLM concept on present Industrial Scenario” held on 29th June, 2020 at S.T.J. Institute of Technology, Ranebennur.
19. Attended online one Day webinar on “Manufacturing in Current Scenario: INDUSTRY 4.0” held on 4th June, 2020 at G.M. Institute of Technology, Davangere.
20. Attended online one Day webinar on “Smart Irrigation using Internet of Things” jointly organized by Dept. of Civil Engg. & Computer Science & Engg. held on 15th June, 2020 at G.M. Institute of Technology, Davanagere.
21. Attended online one Day webinar on “How Vehicle Engine Works?” organized by Dept. of Mechanical Engg. held on 20th June, 2020 at Jain College of Engineering and Technology, Hubballi.
22. Attended online one Day webinar on “Additive Manufacturing: Transformation from Conventional to Digital” organized by Dept. of Mechanical Engg. held on 29th June, 2020 at KLS Gogte Institute of Technology, Belagavi.
- 23.

24. Attended online one Day webinar on “3 Magical Elements to Transform your Life: A Roadmap to Success” organized by Team LLAGT held on 29th June, 2020.
Attended online one Day webinar on “Career Opportunities for Fresh Graduate Mechanical Engineers” organized by Dept. of Mechanical Engg. held on 10th July, 2020 at Dr. Vithalrao Vikhe Patil COE, Ahmednagar.
- 25.
26. Attended online one Day webinar on “Industrial Applications of CAD/CAE/CAM” held on 20th July, 2020 at P.E.S. Institute of Technology and Management, Shivamogga.
27. Attended online one Day webinar on “Entrepreneurship in Modern Agriculture” held on 20th July, 2020 at Department of Mechanical Engineering, SVCE, Bengaluru.
Attended online one Day International Webinar on “Risk Management in Institutions & Industries”, organized by Department of Mechanical Engineering, SVCE, Bengaluru on 05-08-2020.
- 28.
29. Attended online one Day webinar on “Brain Computer- Interface and Research Opportunities” held on 21th July, 2020 hosted by AISSMS in association with PANTECH.
30. Attended online one Day webinar on “Futuristic Engineering Materials” held on 24th July, 2020 at Department of Mechanical Engineering, SVCE, Bengaluru.
Attended two days national level workshop on “Advanced Materials and Application” organized by Department of Mechanical Engineering from 27-07-2020 to 28-07-2020 at S J M Institute of Technology, Chitradurga.
- 31.
32. Attended one day webinar on “Awareness on IPR for New Business Ideas & Schemes of MSME”, Technically sponsored by Ministry of MSME GOI, Bengaluru held on 06-08-2020 organized by Intellectual Property facilitation Centre (IPFC), Sri Venkateshwara College of Engineering, Bengaluru.
Attended one day online webinar on “Revised Bloom’s Taxonomy (A Refresher Approach)” held on 16-08-2020 organized by Department of Mechanical Engineering, Narsimha Reddy Engineering College, Secunderabad, Telangana-500100.
- 33.

Academic Project:

- **BE Project:** “Hamp Power Generator”.
- **M.Tech Project:** “Wear, Thermal and Transient analysis of hard faced agricultural equipment”.
- **Ph.D. Area:** “Natural fiber Composites and Mechanical Vibration”.

Technical skills:

- Modeling and Analysis Skills in Ansys Software
- Solid Edge Version 18.

Extra/Co-curricular Activities:

- Working as a Project, Technical Seminar and Mini project Coordinator.
- Working as assistant for Dean Academic work.
- Worked as a Training & Placement Coordinator.
- Worked as a member for Anti-ragging committee.
- Worked as a coordinator for Departmental library.
- Worked as one of the faculty members in organizing the DAVANA-2013 and also served as the In-charge for accommodation committee for participants.
- Working as a member for VTU Youth Festival-14.