

## BIO-DATA



- 1 **Name** Mr. Amit Malgol
- 2 **Designation** Assistant Professor
- 3 **Residential Address** Vashi, Navi Mumbai. 400703
- 4 **Date of birth** 8<sup>th</sup> June
- 5 **Total Experience** 7.5 years
- Teaching** 1.5 years
- Research** 6 years

6 **Qualifications**

Exam Passed	Year	Institution/ University	Branch/Specialization
(Ph.D)	2024	National Institute of Technology Calicut, Kerala (NIT Calicut)	Rotor Dynamics & Vibration Control
M. Tech	2017	VTU Belagavi, Karnataka	Machine Design
B.E.	2015	VTU Belagavi, Karnataka	Mechanical Engineering

7. **Employment Record**

Institution	Year (From -To)	Designation
Fr. C. Rodrigues Institute of Technology (FCRIT), Vashi, Navi Mumbai, Maharashtra, India	From: 11 July 2024 To: Till date	Assistant Professor
Indian Institute of Technology Tirupati (IITTP), Andra Pradesh, India	From: 1 August 2023 To: 5 July 2024	Project Scientist I
National Institute of Technology Calicut (NITC), Kerala, India	From: 12 December 2018 To: 27 July 2023	Research Scholar
Jain College of Engineering (JCE), Belagavi, Karnataka, India	From: 4 August 2018 To: 5 December 2018	Assistant Professor
Jnana Vikas Institute of Technology (JVIT), Bangalore, Karnataka, India	From: 3 August 2018 To: 17 August 2017	Assistant Professor

**8 Undergraduate / Postgraduate Teaching Experience and Subjects Taught****Subjects Taught at UG level**

Sr.No.	Name of Subject	Semester
1.	Engineering Graphics	I/ II
2.	Mechanical Measurements and Metrology	III
3.	Design of Machinery	V
4.	Finite Element Methods	V
5.	Management & Economics	VI
6.	Mechanical Vibrations	VII
7.	Energy Management	VII

**9 Research Experience**

Institution	Year (From - To)	Designation
National Institute of Technology Calicut (NITC), Kerala, India	From: 12 December 2018 To: 27 July 2023	Research Scholar
Indian Institute of Technology Tirupati (IITTP), Andhra Pradesh, India	From: 1 August 2023 To: 5 July 2024	Project Scientist I

**10 Research Funding / Consultancy Services:**

Sr. No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
1	Othayoth Apartment	Tikkoti, Kozhikode	Acclera meters	Vibration Measurements	-Nil-	2 Months

**Research Grants:****Technical Collaboration / Lab Funding with Industries**

Sr. No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year

**11 Professional Societies Fellowship / Membership:****12 Achievements / Awards / Position:****13 Projects guided in UG/PG level: 3/2**

#### 14 Short Term Training Programmes attended:

- One Week Short Term Training Program on “Crash Analysis: Madymo” organized by Indian Institute of Technology Tirupati, India (24 June to 29 June 2024).
- TEQIP-III Sponsored One Week Short Term Training Program on “Vibration Analysis of Rotor Bearing System” organised by Dr. A. K. Darpe, Department of Mechanical Engineering, Indian Institute of Technology Delhi (IITD), India (2 March to 2 March 2020).
- TEQIP III Sponsored One Week Short Term Training Program on “Advanced Engineering Optimization through Intelligent Technique” organized by Dr. R. VENKATA RAO, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Ichchanath, Surat, Gujarat, India. (13 May to 17 May 2019).
- One Day Workshop on “Finite Element Method” held on 3<sup>rd</sup> February 2018, conducted by Department of Mechanical Engineering, RNS Institute of Technology, Bangalore, India.
- Attended the National conference, NCMEET held on February 2018 at Christ University, Bangalore, India.
- Attended One Week Faculty development program on “Computational Fluid Mechanics” conducted by Department of Mechanical Engineering, SJBIT Institute of Technology (SJBIT), Kengeri, Bangalore, India (22<sup>th</sup> Jan to 26<sup>th</sup> Jan 2018).
- Attended One Week Faculty development program on “Recent Development in Renewable Energy sources and its Application” organized by Department of Mechanical Engineering, Ghousia College of Engineering Bangalore, Karnataka, India. (13<sup>th</sup> Nov to 25<sup>th</sup> Nov 2017).
- Attended a One Week Workshop on “LAB VIEW”, foundation held on March 2017 conducted by the Department of Mechanical Engineering in SECAB Institute of Technology, Vijayapura, Karnataka, India.
- Attended Two Days Workshop on “LI2 ADRINO” held on May 2013 conducted by the Department of Mechanical Engineering, GM Institute of Technology, Davangere, Karnataka, India.

#### 15 List of Journal Papers Published

1. Amit Malgol\*, Vineesh KP, Ashesh Saha, Investigation of Resonance Frequency and Stability of Solutions in a Continuous Rotor System, J. Vib. Eng. Technol., [10.1007/s42417-024-01347-7](https://doi.org/10.1007/s42417-024-01347-7).
2. Amit Malgol\*, Vineesh KP, Ashesh Saha, Modelling and Analysis of continuous rotor system Part I: Derivation of governing equations and analysis of linear system”, Nonlinear Dyn., [10.21203/rs.3.rs-2975450/v1](https://doi.org/10.21203/rs.3.rs-2975450/v1)
3. Amit Malgol\*, Vineesh KP, Ashesh Saha, Modelling and Analysis of continuous rotor system Part II: • Analyzing the effect of nonlinearities on the system dynamics”, Nonlinear Dyn., [10.21203/rs.3.rs-2975388/v1](https://doi.org/10.21203/rs.3.rs-2975388/v1)
4. Amit Malgol\*, Vineesh KP, Ashesh Saha, “Investigation of Vibrational characteristic of a Jeffcott rotor system under Influence of nonlinear restoring force, gyroscopic effect, and hydrodynamic effect”, J. Braz. Soc. Mech. Sci., 44(105), 2022, pp. 1-24. [10.1007/s40430-021-03277-x](https://doi.org/10.1007/s40430-021-03277-x).
5. Amit Malgol\*, and Yogita Potdar, “Modeling and simulation of single rotor system”, International Journal of Latest Technology in Engineering, Management and Applied Science, 6(4), 2017, pp. 163-169.

## 16 List of Papers Published in National and International Conferences

1. Mahesh HR and Amit Malgol\*, “Numerical and Experimental Investigation of ALHE30 for a Rectangular Finned Cooking Vessel”, Journal of Thermal Engineering and Application, **5**(1), 2018, pp. 28-36.
2. Shibin Raj CP, Amit Malgol\* and Ashesh Saha, “Effect of Internal damping on the vibration of a Jeffcott rotor system”, International Conference on Nonlinear Dyn. and Applications (ICNDA), held at SMIT, Sikkim, India, 2022.
3. Amit Malgol\* and Ashesh Saha, “Effect of Internal damping on the vibration of a Jeffcott rotor system”, International Conference on Advances in Mechanical Engineering and Material Science (ICAMEMS), held at VIT, Andhra Pradesh, India, 2022.
4. Megharaj DS and Amit Malgol\*, “Transient Analysis of Rotor System”, Springer Nature Singapore Pte Ltd. 2021 E T Akinlabi et al., Trends in Mechanical and Biomedical Design (ICMechD), Lecture Notes in Mechanical Engineering, held at Sri Sivasubramaniya Nadar College of Engineering, Chennai, Tamil Nadu, India 2019.
5. Vishnu A, Amit Malgol and Ashesh Saha, 2023, “Vibration Control of a Horizontally Supported Rotor System by using a Radial Active Magnetic Bearing”, International Conference on Recent Advances in Materials, Processes, and Technology for Sustainability RAMPTS 2023 organized by GEC Thrissur during 19-21 April 2023.

## 17 Books/Reports/General articles etc.

## 18 Invited Lectures in FDP/ STTP:

## 19 International Conference Technical Program Committee Member / Reviewer:

- Reviewer for Nonlinear Dynamics, Springer Nature
- Reviewer for Journal of the Brazilian society of Mechanical sciences and Engineering (BSME), Springer Nature

## 20 Professional Profiles

Google Scholar: <https://scholar.google.com/citations?hl=en&user=aso0K6sAAAAJ>

LinkedIn: [linkedin.com/in/amit-malgol-91a858135](https://www.linkedin.com/in/amit-malgol-91a858135)

orchid id: [0000-0002-5536-4376](https://orcid.org/0000-0002-5536-4376)

Web of Science id: [GNH-5152-2022](https://www.webofscience.com/GNH-5152-2022)