

BIO-DATA



1.	Name		Pathan Shamim Sattarkhan				
2.	Designation		Assistant Professor				
3.	Residential Address		N/A				
4.	Date of birth		20 June				
5.	Total Experience		17 years				
i.	Teaching		17 years				
ii.	Industrial						
6.	Qualifications						
	Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI		
	M. E.	2012	Fr.C.R.I.T, Vashi (Mumbai University)	Machine Design	70%		
	B.E.	2005	TPCT COE(BAMU)	Mechanical Engg	68.33%		
Additional Qualification:							
7.	Employment Record						
	Institution		Year (From To)		Designation		
	Fr. C. Rodrigues Institute of technology, Vashi		Dec 2007 – till date		Assistant Professor		
8.	Undergraduate / Postgraduate Teaching Experience and Subjects Taught						
	Subjects Taught at UG level						
	Sr.No.	Name of Subject			Semester		
	1.	Thermodynamics			III		
	2.	Thermal Engg			IV		
	3.	Mechanical measurement & metrology			V		
	4.	I.C. Engine			VI		
	5.	Theory Of Machine-I			IV		
	6.	Theory Of Machine-II			V		
	7.	Strength Of Material			III		
	Subjects Taught at PG level						
	Sr.No.	Name of Subject			Semester		
	1	Mechanical Vibration			I		
9.	Research Experience						
10.	Research Funding / Consultancy Services:						
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period
	Research Grants:						
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project	
	1	Fr.CRIT, Vashi	Research grant	50,000	Jan2024	Fault diagnosis in rotating system using machine learning	
	Technical Collaboration / Lab Funding with Industries						
	Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year		

11.	Professional Societies Fellowship / Membership: FMFP and CVS
12.	Achievements / Awards / Position
13.	Projects guided in UG/PG level:17
14.	<p>Short Term Training Programmes attended</p> <ol style="list-style-type: none"> 1. Vibration Diagnostics & condition monitoring of machine element MIT Pune in August 2011. 2. Six day faculty development program on “communication skills” organized by FCRIT, Vashi from October 03, 2013 to October 09,2013 3. One week SIEMENS sponsored FDP on “product lifecycle management (PLM)” at Fr.C.R.I.T, Vashi from 30 June to 4 July2014. 4. Two days national level workshop on “Vibration & Noise measurement using FFT analyzer” on 30th & 31th January 2016 sponsored by BCUD, SPPU & organized by Mechanical engineering Dept, R.H. Sapat college of engineering of engineeringNashik. 5. One week STTP on “Micro Electrical Mechanical System (MEMS) and Mechatronics” organized by Mechanical Engg. Department, Fr.C.R.I.T, vashi from January 2, 2018 to January6,2018. 6. One week STTP on “statistical analysis & its application in industry & research”, organized by mechanical engineering department, Vishwaniketan's MEET ,Khalapur from May 06,2018 to May 15,2018. 7. Five days Training program on , “Ansys Mechanical and CFD” organized by Mechanical Engg. Department, Fr.C.R.I.T, vashi from June 25, 2019 to June 29,2019. 8. Two days short term course approved by TEQIP-III on, “Finite Element Method” organized by structural Engineering Department VJIT, Mumbai July 12 to July 13 , 2019. 9. Three days training program on, “Measurement control and Instrumentation” organized by organized by Mechanical Engg. Department, Fr.C.R.I.T, vashi, 6th july, 20th July and 14th sept 2019. 10. Four days online Industrial concept awareness module on “ Introduction to reliability & condition monitoring”, ” organized by Mechanical Engg. Department, Fr.C.R.I.T, vashi from 20 April to 23 April 2020. 11. Two days online Industrial concept awareness module on, “ bearings – failures & maintenance ” organized by Mechanical Engg. Department, Fr.C.R.I.T, vashi from May 23- 24 ,2020. 12. Five days online workshop on “Python for Data science”, organized by Bennett university Greater Noida from 13 May to 17 May 2020. 13. Four week on line certification course on, “Programming for everybody (Getting started with Python)”, organized by Coursera University of Michigan June 24,2020. 14. Seven week on line certification course on, “Python Data structure” , organized by Coursera University of Michigan August 8,2020. 15. Five days online faculty development program on theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 14 June, 2021 to 18 June, 2021. 16. One week online faculty development program on “Trends in Measurement and Control for System Automation", from 28-06- 2021 to 2-7-2021 at Birla Institute Technology, by AICTE Training And Learning (ATAL) Academy 17. Two days’ workshop on “understanding patents” organized by WRCB, IIT Bombay on 28-29 July 2023.

15.	<p>List of Journal Papers Published</p> <ol style="list-style-type: none"> 1. Experimental study to identify the effect of type of coupling on unbalance using frequency spectrum analysis, IOSRJournal,2014. 2. “Liquid level control using PID controller based on Lab View & Matlab software”, in Internation Journal of Engineering research & Technology, Volume-3 Issue-10, October-2014. 3. “Automatic control of a motor using “P” controller based on labviewsoftware” 4. International journal of advanced foundation and research in science and engg. ISSN: 2349-4794 Volume -1, special issue VIVRUTEI, March2015. 5. “Control of motor and pump using LabVIEW and Ardino,in International Journal of research fellow-2320-7296, Volume: 3 Issue: 10,October-2015 6. “Automatic control water level in the tank using labview & Microcontroller” International Research Journal of Engineering & Technology (IRJET), Volume 3, Issue 5, e- ISSN- 2395-0056 p-ISSN 2395-0072 (Impact Factor-4.45) May2016. 7. “Smart solar irrigation system” International Research Journal of Engineering & Technology (IRJET), Volume 3, Issue 10, e- ISSN- 2395- 0056 p-ISSN 2395-0072 (Impact Factor-4.45) Oct-2016.
16.	<p>List of Papers Published in National and International Conferences</p> <p>International Conferences</p> <ol style="list-style-type: none"> 1. “Experimental investigation of effect of unbalance & misalignment in frequency spectrum” in proceedings of International Conference on Emerging Trends in Engineering fields (ICETE-2013) at NMAM Institute of Technology, Nitte, Udupi District, Karnataka, on May 15-16,2013. 2. “Automatic color sorting machine”, in proceeding of 4th International conference on Industrial Engineering (ICIE-2017), S.V. National Institute of Technology, Surat, Gujrat on December 21-23, 2017. 3. “Firefighting robotic system”, in proceeding of 4th International conference on Industrial Engineering (ICIE-2017), S.V. National Institute of Technology, Surat, Gujrat on December 21-23, 2017. 4. “Measurement and Control of Temperature and Speed using LabVIEW” , in proceeding of International conference on Applied Mechanical Engineering Research 2019 (IC-AMER) to be held during 2-4 May 2019 at NIT Warangal. 5. “Direct Skin Friction Measurement on Hypersonic Models”, in proceeding of International Conference on Fluid Dynamics, (ICFD-2022) to be held during November 9 - 11, 2022, Sendai, Japan. 6. “Experimental and Simulation Study of Transmissibility of Isolation Material” in proceeding of International Conference on Vibration Engineering, Science and Technology (INVEST-2022) organized by Council of Vibration Specialists (CVS) to be held during December 9-10, 2022, Fr.CRIT, Vashi. 7. “Fault diagnosis in rotating machines using vibration analysis”, in proceeding of 4th International conference on recent advancement in mechanical engineering (ICRAME2023) at department of mechanical engineering, NIT Silcher, Assam, India held during Feb 3-5,2023. 8. “Design and Development of a semi-automated Pneumatic System for production of washers”, in proceeding of International conference on recent advances in science, engineering and technology (RASET-2023), MKSSS’s Cummins college of engineering for women, Nagpur, India held during 29-30 September 2023. 9. “Vibration Analysis of Faults in Rotating Machineries”, In Proc. International Conference on Technologies for Energy, Agriculture and Healthcare (ICTEAH 2024),Mumbai, India, April, 15-15, 2024. 10. “Experimental Study of Solar Water Heater System Using Phase Change Material” ,In Proc. International Conference on Technologies for Energy, Agriculture and Healthcare (ICTEAH 2024), Mumbai, India, April, 15-16, 2024. <p>National Conferences</p> <ol style="list-style-type: none"> 1. “Design of cold storage using nitrile rubber”, Proceeding of National conference on Nascent Technology in engineering field of mechanical engineering (NCNTE-2010) held at Fr.C.R.I.TVashi, Navi Mumbai, Feb25-26,2010. 2. “Micro Electro Mechanical System”, Proceeding of National Conference on Recent Trends in Engineering & Technology (ZENITH-2010) held at Agnel polytechnic, Vashi, Navi Mumbai.Oct30-31, 2009. 3. “Experimental investigation of effect of parallel misalignment in rotating machinery”

	<p>in proceedings of National Conference on Nascent Technologies in the Engineering fields (NCNTE-2012) at Fr.C.R.I.T., Vashi, Navi Mumbai, on February 25-26, 2012.</p> <p>4. “Condition monitoring for fault diagnosis of bearing” in proceedings of National Conference on Nascent Technologies in the Engineering fields (NCNTE-2012) at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, on February 25-26, 2012.</p> <p>5. “Design & development of micro savonious type VAWT” in proceedings of National Conference on Nascent Technologies in the Engineering fields (NCNTE-2012) at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, on February 25-26, 2012.</p> <p>6. “Thermal Analysis On Various Cooling Fin Profile” in Proceedings of TFMS2014 National Conference on Thermal, Fluid and Manufacturing Science, Surat, Gujarat, on January 24 – 25, 2014</p>
17	<p>Book Chapter:</p> <p>1. Design and Development of a semi-automated Pneumatic System for production of washers” CRC press, Book title: Recent Advances in Science, Engineering & Technology, ISBN: 9781032864181(pbk) ISBN: 9781003527442(ebk), DOI: https://doi.org/10.1201/9781003527442</p>
18.	Books/Reports/General articles etc.
19.	<p>Invited Lectures in FDP/ STTP</p> <p>1. “ Measurement control and Instrumentation” guest speaker at FDP organized by fcrit, Vashi.</p> <p>2. “Role of AI and ML in mechanical field challenges”, guest speaker organized by IEI NMLC.</p> <p>3. “Condition monitoring –tools and techniques”, AVNL faculty training program.</p>
20.	<p>International Conference Technical Program Committee Member / Reviewer</p> <p>1. Reviewer for ICNTE, 2022</p>
20.	Patents