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**DATA**



1.	<b>Name</b>		Pathan Shamim Sattarkhan		
2.	<b>Designation</b>		Assistant Professor		
3.	<b>Residential Address</b>		N/A		
4.	<b>Date of birth</b>		20 June		
5.	<b>Total Experience</b>		16 years		
i.	<b>Teaching</b>		16 years		
ii.	<b>Industrial</b>				
6.	<b>Qualifications</b>				
	<b>Exam Passed</b>	<b>Year</b>	<b>Institution/ University</b>	<b>Branch/Specialization</b>	<b>Percentage/CGPI</b>
	M. E.	2012	Fr.C.R.I.T, Vashi (Mumbai University)	Machine Design	70%
	B.E.	2005	TPCT COE( BAMU)	Mechanical Engg.	68.33%
<b>Additional Qualification:</b>					
7.	<b>Employment Record</b>				
	<b>Institution</b>		<b>Year (From To)</b>	<b>Designation</b>	
	Fr. C. Rodrigues Institute of technology, Vashi		Dec 2007 – till date	Assistant Professor	
8.	<b>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</b>				
	<b>Subjects Taught at UG level</b>				
	<b>Sr.No.</b>	<b>Name of Subject</b>		<b>Semester</b>	
	1.	Thermodynamics		III	
	2.	Thermal Engineering		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		
	<b>Subjects Taught at PG level</b>							
	Sr.No.	Name of Subject				Semester		
	1.	Mechanical Vibration				I		
2.	System Modelling and analysis				II			
9.	<b>Research Experience</b>							
10.	<b>Research Funding / Consultancy Services:</b>							
	Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period	
	<b>Research Grants:</b>							
	Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project		
	1	ILFR	Research	50,000/-	2023-24	Fault diagnosis of rotating system using machine learning		
	<b>Technical Collaboration / Lab Funding with Industries</b>							
Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year				
11.	<b>Professional Societies Fellowship / Membership: FMFPE, CVS</b>							
12.	<b>Achievements / Awards / Position</b>							
13.	<b>Projects guided in UG/PG level: 20/1</b>							

14.	<p><b>Short Term Training Programmes attended</b></p> <ol style="list-style-type: none"> <li>1. Vibration Diagnostics &amp; condition monitoring of machine element MIT Pune in August 2011.</li> <li>2. Six day faculty development program on “communication skills” organized by FCRIT, Vashi from October 03, 2013 to October 09,2013</li> <li>3. One week SIEMENS sponsored FDP on “product lifecycle management (PLM)” at Fr.C.R.I.T, Vashi from 30 June to 4 July2014.</li> <li>4. Two days’ national level workshop on “Vibration &amp; Noise measurement using FFT analyzer” on 30th &amp; 31th January 2016 sponsored by BCUD, SPPU &amp; organized by Mechanical engineering Dept, R.H. Sapat college of engineering of engineering Nashik.</li> <li>5. One week STTP on “Micro Electrical Mechanical System (MEMS) and Mechatronics” organized by Mechanical Engineering. Department, Fr.C.R.I.T, Vashi from January 2, 2018 to January6,2018.</li> <li>6. One week STTP on “statistical analysis &amp; its application in industry &amp; research”, organized by mechanical engineering department, Vishwaniketan's MEET ,Khalapur from May 06,2018 to May 15,2018.</li> <li>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.</li> <li>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.</li> <li>9. Four days online Industrial concept awareness module on “Introduction to reliability &amp; condition monitoring”, organized by Mechanical Engg. Department, Fr.C.R.I.T, Vashi from 20 April to 23 April 2020.</li> <li>10. Two days online Industrial concept awareness module on, “bearings – failures &amp; maintenance” organized by Mechanical Engg. Department, Fr.C.R.I.T, Vashi from May 23- 24 ,2020.</li> <li>11. Five days’ online workshop on “Python for Data science”, organized by Bennett university Greater Noida from 13 May to 17 May 2020.</li> <li>12. Four week on line certification course on, “Programming for everybody (Getting started with Python)” , organized by Coursera University of Michigan June 24,2020.</li> <li>13. Seven week on line certification course on, “Python Data structure”, organized by Coursera University of Michigan August 8,2020.</li> <li>14. Five days online faculty development program on theme “Inculcating Universal</li> </ol>
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	<p>Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 14 June, 2021 to 18 June, 2021.</p> <p>15. 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/</p> <p>16. Two-Day workshop on understanding patents, July 28-29, 2023 organized by IIT Bombay.</p> <p>17. NPTEL certification on “Mechanical measurement and System” eight weeks 17 Jan2025-17 march 2025.</p>
<b>15.</b>	<p><b>List of Journal Papers Published</b></p> <ol style="list-style-type: none"> <li>1. Experimental study to identify the effect of type of coupling on unbalance using frequency spectrum analysis, IOSRJournal,2014.</li> <li>2. “Liquid level control using PID controller based on Lab View &amp; Matlab software”, in International Journal of Engineering research &amp; Technology, Volume-3 Issue-10, October- 2014.</li> <li>3. “Automatic control of a motor using “P” controller based on labview software”</li> <li>4. International journal of advanced foundation and research in science and engineering . ISSN: 2349-4794 Volume -1, special issue VIVRUTEI, March2015.</li> <li>5. “Control of motor and pump using LabVIEW and Ardino,in International Journal of research fellow-2320-7296, Volume: 3 Issue: 10,October-2015</li> <li>6. “Automatic control water level in the tank using labview &amp; Microcontroller” International Research Journal of Engineering &amp; Technology (IRJET), Volume 3, Issue 5, e- ISSN- 2395- 0056 p-ISSN 2395-0072 (Impact Factor-4.45) May2016.</li> <li>7. “Smart solar irrigation system” International Research Journal of Engineering &amp; Technology (IRJET), Volume 3, Issue 10, e- ISSN- 2395- 0056 p-ISSN 2395-0072 (Impact Factor-4.45) Oct-2016.</li> </ol>

16.	<p><b>List of Papers Published in National and International Conferences International Conferences</b></p> <ol style="list-style-type: none"> <li>1. “Experimental investigation of effect of unbalance &amp; 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.</li> <li>2. “Automatic color sorting machine”, in proceeding of 4<sup>th</sup> International conference on Industrial Engineering (ICIE-2017), S.V. National Institute of Technology, Surat, Gujrat on December 21-23, 2017.</li> <li>3. “Firefighting robotic system”, in proceeding of 4<sup>th</sup> International conference on Industrial Engineering (ICIE-2017), S.V. National Institute of Technology, Surat, Gujrat on December 21-23, 2017.</li> <li>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.</li> <li>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.</li> <li>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.C.R.I.T., Vashi.</li> <li>7. “Fault Diagnosis in Rotating Machines Using Vibration Analysis”, 4th International Conference on Recent Advancements in Mechanical Engineering (ICRAME), NIT Silcher, 3-5, February 2023.</li> <li>8. “Vibration Analysis of Faults in Rotating Machineries”, International conference International Conference on Technologies for Energy, Agriculture, and Healthcare (ICTEAH 2024) <b>scheduled on 15-16 April 2024</b>, K.J Somaiya Vidya vihar Mumbai, India.</li> <li>9. “Phase Change material”, International conference International Conference on Technologies for Energy, Agriculture, and Healthcare (ICTEAH 2024) <b>scheduled on 15-16 April 2024</b>, K.J Somaiya Vidya vihar Mumbai, India.</li> <li>10. “Study of flow induced vibration due to venturi”, International conference on advances in Mechanical, Mechatronics and civil Engineering (IC-AMMCE 2025), to be held on 21 and 22Feb 2025, Thakur College of Engg. Kandivali.</li> </ol> <p><b>National Conferences</b></p> <ol style="list-style-type: none"> <li>11. “Design of cold storage using nitrile rubber”, Proceeding of National conference on Nascent Technology in engineering field of mechanical engineering (NCNTE-</li> </ol>
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	<p>2010) held at Fr.C.R.I.T Vashi, Navi Mumbai, Feb25-26,2010.</p> <p>12. “Micro Electro Mechanical System”, Proceeding of National Conference on Recent Trends in Engineering &amp; Technology (ZENITH-2010) held at Agnel polytechnic, Vashi, Navi Mumbai.Oct30-31, 2009.</p> <p>13. “Experimental investigation of effect of parallel misalignment in rotating machinery” in proceedingsofNationalConferenceonNascentTechnologiesintheEngineeringfields (NCNTE-2012) at Fr.C.R.I.T., Vashi, Navi Mumbai, on February 25-26, 2012.</p>
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	<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 &amp; 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>
<b>17.</b>	<b>Books/Reports/General articles etc.</b>
<b>18.</b>	<p><b>Invited Lectures in FDP/ STTP:</b></p> <p>1. Speaker at AVNL Institute of learning, Ambernath, a unit of armed vehicle Nigam limited, Govt. enterprises, Ministry of India of India on condition monitoring tools and techniques on 11 April 2023.</p> <p>2. Certification programme on Virtual Instrumentation and Automation organized by Fr. C.R.I.T, Vashi on 3-7<sup>th</sup> July 2023.</p> <p>3. Certification programme (FDP) on Advance Maintenance Practices and and Vibration Diagnostics by CVS and Fr.C.R.I.T Vashi 26 June-23July 23.</p>
<b>19.</b>	<p><b>International Conference Technical Program Committee Member / Reviewer</b></p> <p>1. Reviewer for CVS 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.C.R.I.T., Vashi.</p>
<b>20.</b>	<b>Patents</b>