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## Personal Profile

Name: Dr. Shyam Prabhakar Mogal  
Date of Birth: 5<sup>th</sup> Jan 1980  
Sex: Male  
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## Education

Degree	Institute/University	Class and percentage	Year of passing
Ph. D. (Mechanical Engineering) Specialization: Vibration Analysis	S.V. National Institute of Technology, Surat	Awarded	2016
M. Tech (Machine design & Analysis)	National Institute of Technology, Rourkela	Dist. (CGPA 9.28)	2009
B.E. (Mechanical Engineering)	North Maharashtra University, Jalgaon	First class (61 %)	2004

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## Thesis/dissertation

Degree	Supervisors	Title
Ph.D.	Dr. D. I. Lalwani	Fault diagnosis of rotating Machinery
M.Tech	Dr. R. K. Behera	Vibration analysis of cracked beam

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## Professional experience details

**Total experience as on 4<sup>th</sup> March 2022: 17.8 years**

Organization/institute	Department	Post	From	To	Experience
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Professor	1/7/2017	Currently working	5.8 years
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Associate Professor	1/7/2014	30/06/2017	3 years
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Assistant Professor	1/4/2011	30/06/2014	3.2 years
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Sr. Lecturer	1/7/2009	31/03/2011	1.9 years
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	Mechanical Engineering	Lecturer	19/7/2004	30/06/2009	5 years

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## Publications

**Total publications: 16**

## Journal Papers & Conference Proceedings

- **Shyam Mogal**, Saurav Ahire, Fatigue analysis of truck wheel rim under cornering fatigue test and impact test, International Journal of Research and analytical reviews, Vol. 6, Issue 2, 2019.
- **Shyam Mogal**, Sandip Palhe, Experimental Investigations of Multiple Faults in Ball Bearing, Advances in engineering design, (Springer), 2019.
- **Shyam Mogal**, Neha Attarde, Design and analysis of Automobile Front bracket for impact strength, Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 6, 2019.
- **Shyam Mogal**, Sagar Shirsat Power Substation and Earthquake: A Survey, - International Journal of Science Technology & Engineering, Volume 2, issue 9, 2016.
- **Shyam Mogal**, Experimental investigations of single and multi-fault in rotor system has been published by Journal of Applied Mechanics and Materials, Vol.541, pp.628-634, 2014.
- **Shyam Mogal**, D.I. Lalwani, A Brief Review on Fault diagnosis of rotating machineries has been published by Journal of Applied Mechanics and Materials, Vol. 541, pp.635-640, 2014.
- **Shyam Mogal**, D.I. Lalwani, Experimental investigation of unbalance and misalignment in rotor bearing system using order analysis Journal of Measurements in Engineering, Vol. 3, Issue 4, pp. 114-122, 2015.
- **Shyam Mogal**, D.I. Lalwani, Fault diagnosis of bent shaft in rotor bearing system” Journal of Mechanical Science and Technology, (Springer), Vol. 31(1), 2017, pp.1-4.
- **Shyam Mogal**, R. K. Behera, S. Y. Pawar, Design and development of muffler for diesel generator set for reduction of noise, International Journal of Engineering Science and Technology, Vol.3, Issue 4, pp.3591-3595, 2011.
- **Shyam Mogal**, vibration analysis of cracked beam Proceedings of international conference held on 23-25 Sept.2010 at SVNIT, Surat.
- Paper titled A Review on condition monitoring and fault diagnosis of rotating machinery by vibration signal processing techniques presented in international conference held on 12-14 March 2012 at Amrutvahini college of Engineering, Sangamner.
- Paper titled Fault diagnosis of rotating machineries by finite element analysis presented

in international conference (Elsevier proceedings) held on 10-12 Feb. 2014 at SND, Chandwad.

- Paper titled Experimental investigations of single and multi-fault in rotor system presented in international conference held on 10-12 March 2014 at Penang, Malaysia.
- Paper titled A Brief Review on Fault diagnosis of rotating machineries presented in international conference held on 10-12 March 2014 at Penang, Malaysia.
- Paper titled Fault diagnosis of boiler feed water pump using vibration analysis: Case study, presented in International conference on Advances in Dynamics, Vibration and Control, held on 25-27<sup>th</sup> Feb.2016 at NIT Durgapur.
- Paper titled Vibration analysis of mechanical looseness fault presented in national conference, held on 2-26 Nov.2020 at MVPS's KBT College of Engineering, Nashik,

## **NPTEL /Coursera Courses completed**

- The 3D printing Revolution
- Digital Manufacturing and Design
- Introduction to Mechanical Vibration
- NBA Accreditation and Teaching-Learning in Engineering (NATE)

## **Subject taught**

<b>Institute</b>	<b>Subjects</b>
MVPS's KBT College of Engineering, Nashik	Theory of Machines-I Dynamics of Machinery Kinematics of Machinery Condition Monitoring Advanced Mechanical Vibration

## Administrative work and technical activities

Institute	Activities
MVPS's KBT College of Engineering, Nashik (NAAC Accredited 'A' grade institute)	<ul style="list-style-type: none"><li>● Coordinator: Project based Learning</li><li>● Coordinator: GIZ</li><li>● Head of Department from 5/8/16 to 12/1/2020</li><li>● Convener: Two days National level workshop (Feb. 2017) on Condition Monitoring of rotating Machinery funded by BCUD, SPPU</li><li>● PG Lab incharge 2012- July 2016</li><li>● TOM and DOM Lab Incharge 2009- July 2016.</li><li>● Project Coordinator- B.E. (Mech.) students during the year 2009, 2013 and 2015</li><li>● Director of MCA CAP- 2013.</li><li>● Co-Convener of Tribology Aspects in Design Workshop (Sept. 2013)</li><li>● Seminar Coordinator-T.E.(Mech.) students,2009</li></ul>

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## Professional Membership

- Indian Society for Technical Education.
- Institution of Engineers.

## Conferences / Seminars / Workshops participated

- Attended the two week Short Term Training Programme on Emerging Technologies in Automotive manufacturing from 14<sup>th</sup> Nov.2004 to 27<sup>th</sup> Nov.2004 organized by the Department of production Engg. PSG college of Technology, Coimbatore.
- Attended one week Short Term Training Programme on Finite Element Techniques: Fundamentals, Implementation & Application held at Engg. College, Kota (Raj.) from 20<sup>th</sup> Dec. to 25<sup>th</sup> Dec.2004.
- Attended one day workshop on Energy Conservation at Institute of Engineers on 25 Nov.2005, Nasik.
- Attended Awareness program on Safety & Occupational Health held on 12<sup>th</sup> & 13<sup>th</sup> sept.2008 at NIT Rourkela organized by Govt. of Orissa.

- Attended one day workshop on Awareness of National Board of Accreditation at Sardar Patel college of Engineering, Mumbai on 12/06/2009.
  - Attended one day workshop on How to Transform Engineering Institutes in Maharashtra into world class institutions organized by DTE at VIT Pune on 7/11/2009.
  - Participated in Mission 10X workshop on High Impact Teaching Skills conducted at N.D.M.V.P.S.College of engineering, Nashik from 16<sup>th</sup> May to 20<sup>th</sup> May 2011.
  - Attended one day workshop on syllabus of M.E. (Design) on 27/07/2013 at FIT, Pune.
  - Attended two days workshop on Research Methodology (IIT, Bombay) at N.D.M.V.P.S College of Engineering, Nasik.
  - Attended one day workshop on Finite Element Method using ANSYS and MATLAB at N.D.M.V.P.S College of Engineering, Nasik on 24<sup>th</sup> Feb.2012.
  - Attended two days workshop on Tribology Aspects in Design on 3<sup>rd</sup> - 4<sup>th</sup> Oct. 2013 at N.D.M.V.P.S College of Engineering, Nasik.
  - Attended two days National level workshop on vibration, noise measurement and control using FFT analyser at SVIT, Chincholi held on 15<sup>th</sup> -16<sup>th</sup> March 2013.
  - Participated in a Two- Week ISTE workshop on Engineering Mechanics conducted by IIT, Bombay from 26<sup>th</sup> Nov. to 06<sup>th</sup> Dec.2013.
  - Attended two days workshop on Research Methodology at N.D.M.V.P.S College of Engineering, Nasik on 14<sup>th</sup> and 15<sup>th</sup> Feb.2014.
  - Attended three days workshop on Condition Monitoring of Rotating Machine Elements at IIT, Indore on 21<sup>st</sup> to 23<sup>rd</sup> Dec. 2015.
  - Attended QIP short term course on Excellence in marine materials: Advanced Processing, Characterization & Applications at IIT Roorkee on 21<sup>st</sup> May to 25<sup>th</sup> May 2018.
  - Attended online workshop on condition monitoring level-I organized Adani Institute of infrastructure Engineering (AIIE) Ahmedabad in association with Adani electricity Mumbai, Ltd. Dahanu. On 21<sup>st</sup> -25<sup>th</sup> sept., 2020.
  - Participated in One week Faculty Development Program on “Advanced Trends in Engineering” from 19<sup>th</sup> to 23<sup>rd</sup> May, 2020 Organized by Department of Mechanical Engineering, Nagpur Institute of Technology, Nagpur In association with Institution of Engineers (India), Nagpur Local Centre.
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- Participated in One week STTP on “Noise and vibration control of Industrial Rotary Machine” from 15th to 20th March, 2021 Organized by Annasaheb Dange College of Engineering and Technology, Ashta.
  - Participated in One week FDP on “Scope of IOT and it's application in automotive & agricultural industry” from 3rd to 8th May, 2021 Organized by Government College of Engineering, Awsari.
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## **Declaration**

I consider myself familiar with Mechanical Engineering Aspects. I am also confident of my ability to work in a team. I hereby declare that the information furnished above is true to the best of my knowledge.

**Place: Nashik (Maharashtra State)**

**(Dr. Shyam Mogal)**