


ACADEMIC PROFILE

Name	Sachin Shankarrao Naik	
Date of Birth	06/07/1971	
Date of Joining	14/07/2016	
Designation at the time of Joining	Associate Professor	
Current designation	Associate Professor	
Personal	---	
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Academic Qualifications		
<ul style="list-style-type: none"> • Ph.D (Design Engineering) • M.Tech (Design Engineering) • B.E. (Mechanical) 		
Career History		
<ul style="list-style-type: none"> • As VJTI till date • At Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad (MS) from 01/02/1995 to 13/07/2016, joined as Lecturer in Mechanical Engineering and was Associate Professor at the time of leaving the University. • At SES' College of Engineering, Kopergaon, Dist Ahmenagar (MS) from 01/11/1992 to 14/01/1995 as Lecturer in Mechanical Engineering. • Kirloskar Pumps Ltd, Dewas (MP) from 01/08/1992 to 30/10/1995 as Trainee Engineer. 		
Areas of Academic Interest		
<ul style="list-style-type: none"> • Fracture Mechanics and Failure Analysis • Dynamics • Finite Element Method 		
Membership in Academic Bodies / Board of Studies / Editorial Board (Journals)		
<ul style="list-style-type: none"> • Life Member, Indian Society for Technical Education (ISTE) • Associate Member, Institution of Engineers (India), Kolkata • Life Member, Indian Society of Theoretical and Applied Mechanics (ISTAM), IIT Kharagpur. 		
Major Academic Publications		
<ul style="list-style-type: none"> • International Refereed Journals: 07 • International Conferences: 20 		
Paper Presentations in National / International Journals (In last 5 years)		
<ul style="list-style-type: none"> • Journals • Agrawal, N, Naik, S. S. and Gawale, Y.P., 2014. Experimental investigation of vortex tube using natural substances. International Communications on Heat and Mass Transfer 52, 51-55. • Sunil R. Pansare and Sachin S. Naik, 2019. Detection of Inclined Edge Crack in Prismatic Beam using Static Deflection Measurements, SADHANA, 44(2):42. 		
Paper Presentations in National / International Conferences / Seminars (In last 5 years)		
<ul style="list-style-type: none"> • Sunil R. Pansare and Sachin S. Naik, "Comparative Study on Detection of Inclined Edge Crack using Static Deflection Measurements and Natural Frequencies". Proceedings of 24th International Congress on Sound and Vibration, July 23-27, 2017, London, UK. • Sachin Naik and Sharadchandra Patil, "Study of Electrorheological Damper for Control of Rotor Vibration" Proceedings of 24th International Congress on Sound and Vibration, July 23-27, 2017, London, UK. • Sagar N. Thakre and Sachin S. Naik, "Study of Natural Frequencies of Timoshenko beam with Crack using SERR Method". International Conference on Advances in Thermal Systems, Materials and Design Engineering, December 21-22, 2017, Veermata Jijabai Technological Institute, Mumbai, Maharashtra, India. • Yogesh V Chaudhari and Sachin S. Naik, "Study of Effect of Crack on Natural Frequencies of Euler 		

<p>Bernaulli Cantilever Beam”. International Conference on Advances in Thermal Systems, Materials and Design Engineering, December 21-22, 2017, Veermata Jijabai Technological Institute, Mumbai, Maharashtra, India.</p> <ul style="list-style-type: none"> • Borawake, S. D. & Naik S. S. “An Investigation of Loosening Phenomenon in Bolted Joint by Finite Element Method.” International Conference on Tribology, TRIBOINDIA-2019, December 2018, (pp. 1-8). Veermata Jijabai Technological Institute, Mumbai, India. • Sunil Pansare, H. N. Warhatkar and Sachin S Naik, “Estimation of Static Deflection in Beams with Crack Using FEA”, International Conference (online) on Research and Innovations in Science, Engineering and Technology, (ICRISET 2020) September 04-05, Birla Vishvakarama Mahavidyalaya Engineering College, Vallabh Nagar, Gujarat, India.
<p>Attendance in Conferences / Seminars / Workshops (In last 5 years)</p> <ul style="list-style-type: none"> • One Week TEQIP Short term Course on “Mechanics of Composites for Engineering Applications” at Indian Institute of Technology Guwahati, Assam, May 21-25, 2019. • One Week QIP Faculty Development Programme on “Industrial Tribology” at Veermata Jijabai Technological Institute, Mumbai, Maharashtra, December 11-15, 2017. • One Week GIAN Course on “Advances in Structural Mechanics: Theory and Design of Plate and Shell Structures” at Veermata Jijabai Technological Institute, Mumbai, Maharashtra, February 20-25, 2017. • One Week GIAN Course on “Numerical Linear Algebra for Engineering Applications” at Veermata Jijabai Technological Institute, Mumbai, Maharashtra, January 26-30, 2017. • One Week Workshop on "Outcome Based Education" at Dr. B.A. Technological University, Lonere, Maharashtra, June 23-27, 2016. • Two Day Workshop on “Outcome Based Education” jointly organised by BMS College of Engineering and IUCEE and Inpods at D.Y. Patil Institute of Engineering and Technology, Pimpri, Pune from Jan. 09 -10, 2016. • Short Term Course on “Condition Monitoring of Rotating Machine Elements” at IIT, Indore from December 21-23, 2015. • TEQIP One week Faculty Development Programme on “Piping Engineering” at S.P. College of Engineering, Andheri, Mumbai, Maharashtra from May 11-15, 2015. •
<p>Participation in Professional Development Programmes (In last 5 years)</p> <ul style="list-style-type: none"> • None
<p>Guidance / Supervision of M.Tech & Ph.D. Dissertations</p> <ul style="list-style-type: none"> • 4 Ph.D students. • 16 MTech Students
<p>Research Projects Undertaken</p> <ul style="list-style-type: none"> • None •
<p>Revenue generation (Consultancy/Testing assignments Undertaken) (In last 5 years)</p> <ul style="list-style-type: none"> • As per departmental record... •
<p>Organization of Academic Conferences / Workshops / Designing Courses (In last 5 years)</p> <ul style="list-style-type: none"> • Conducted an AICTE Faculty Development Programme on “Fundamentals and Applications of Fracture Mechanics” during January 22-27, 2018, as Chief Coordinator at Veermata Jijabai Technological Institute, Matunga, Mumbai. • Conducted an AICTE ATAL Online FDP on “Finite Element Method for Product Design” during September 29 to October 04, 2020, at Veermata Jijabai Technological Institute, Matunga, Mumbai.
<p>Invited Lectures / Chairing / Resource Person / Keynote Address (In last 5 years)</p> <ul style="list-style-type: none"> • Lecture on "Course Outcomes: The Building Block" at Dr. B.A. Technological University, Lonere, Maharashtra, June 25, 2016. • Lecture on “Dynamic Problems in Mechanical Engineering”, in a Two Day Workshop on Introduction to Finite Element Method and its Engineering Applications, December 09-10,

2016, at SRES' College of Engineering Kopargaon, December 09, 2016.

- Lecture on “Stresses and Strains” in a One Week Faculty Development Programme, June 07-11, 2017, at Zeal College of Engineering and Research, Pune, June 09, 2017.
- Lectures on Finite Element Analysis in AICTE ATAL Online FDP on “Finite Element Method for Product Design” during September 29 to October 04, 2020, VJTI