

Name of Teaching Staff	:	Trupti Markose		
Designation	:	Assistant Professor		
Department	:	Mechanical Engineering		
Date of Joining the Institution	:	18/07/2011		
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Qualifications with Class / Grade	:	Ph D Mechanical (Synopsis submitted) M. E. Mechanical / Distinction B. E. Mechanical / Distinction		
Additional Qualification /Certifications		Lean Manufacturing Expert, Mizuho India Japan Study Centre, IIM Bangalore SAP MM certified trainer, Seed Infotech, SVKM, Mumbai. SAS Training Completion Certificate		
Total Experience in Years	:	21 Yrs		
Papers Published in Journal:	:	1) Markose T., Vasudevan, H. (2026). A driver-based framework for integrating Industry 4.0 practices with additive manufacturing. SSRG International Journal of Mechanical Engineering, vol. 13, no. 3, pp. 68–73.		
Papers Presented in Conferences		1) Paper on “A two component drill dynamometer with zero cross sensitivity” presented at National Conference on Mechanical Engineering (NATCON.ME-2005), organized by Ghousia College of Engineering, Bangalore during 11th and 12th March 2005. 2) Paper on “Experimental Analysis for Orifice Type Thrust Bearing “Ref No ESDA2006-95477 presented at 8th Biennial ASME Conference on Engineering Systems Design and Analysis (ESDA2006), organized by Politecnico di Torino during 4 to 7 July 2006 in Turin, Italy. 3) T. Markose and H. Vasudevan, “A Conceptual Framework Involving Barriers in the Integration of Additive Manufacturing with Industry 4.0 Practices,” <i>Lect. Notes Mech. Eng.</i> 3rd Int. Conf. Intell. Manuf. Autom. ICIMA 2022, vol. 0, no. 3225, pp. 1–9, 2022. 4) T. Markose and H. Vasudevan, “Sustainability Benefits and Barriers in the Integration of Additive Manufacturing with Industry 4.0 Practices- A Conceptual Framework,” <i>Lect. Notes Mech. Eng.</i> 3rd Int. Conf. Intell. Manuf. Autom. ICIMA 2022, vol. 0, pp. 1–9, 2022. 5) A Driver-Based Framework for Integrating Industry 4.0 Practices with Additive Manufacturing. International Conference on Smart Mechanical Systems for Sustainability (ICSMSS 2025), organised by the Department of Mechanical Engineering, jointly with Indian Society of Manufacturing Engineers on 22nd and 23rd December 2025 at DJSCE, Mumbai.		

		6) Decoding Sustainability in Additive Manufacturing: The Causal Influence of Digital Twin and Industry 4.0 Determinants. International Conference on Smart Mechanical Systems for Sustainability (ICSMSS 2025), organised by the Department of Mechanical Engineering, jointly with Indian Society of Manufacturing Engineers on 22nd and 23rd December 2025 at DJSCE, Mumbai.	
Area of Specialization		Manufacturing	
PhD Guide, Give field & University	:	<u>Field:</u> <u>University:</u>	-
PhDs / Projects Guided	:	<u>PhDs :</u> <u>Projects at Masters level:</u>	-
Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)	-
Professional Memberships	:		1. Life member of ‘The Indian Society For Technical Education” (ISTE) 2. Life member of ‘Association For Machines and Mechanisms’ (AMM) 3. Life member of Indian Society for Manufacturing Engineers (ISME)
Grants fetched	:	Minor Research Grant (University of Mumbai)	-
Interaction with Professional Institutions	:	<u>Guest Lectures:</u> <u>Other Achievements and Responsibilities:</u>	Completed a 12-module course on Lean Manufacturing Practices (LMP) (September 2025 - May 2026) and certified as Lean Manufacturing Expert Organised by Mizuho India Japan Study Centre Indian Institute of Management Bangalore.
Subjects Taught		<u>UG Level:</u> Engineering Mechanics, Engineering Drawing, Machine Design, Machine Tool Design, Engineering Design, Production and Operations Management, Project Management, Management Information System, Operations Research. PG Level: -	
Projects Guided	:	<u>UG Level: ---</u> Various BE Projects guided <u>PG Level: ---</u>	
Recommended Students for Higher Education		<u>Name of the Student</u> Shrey Sanghavi Kevin Shah Latesh Premal Shah Soham Deshpande Dristi Dani	<u>University/Industry</u> Young India Fellowship, Ashoka University Duke University Purdue University's Graduate School University of Illinois at Chicago University of San Francisco School of Management

Institute/Department Responsibility handled:		1) Member of the Admission Committee. 2) Member of the NBA core committee. 3) Exam committee member of the college. 4) NAAC Coordinator for the department. 5) Internship and Placement Committee representative of the department. 6) Worked as Exam Coordinator of the department. 7) Coordinator for In-plant Training and Project for BE Production. 8) Organized Seminar and Project competition. 9) Class Teacher for BE Production. 10) Worked in the Cultural Committee of the college.
Pedagogy Development		-