

Name of Teaching Staff : Prof Greegory Mathew
Designation : Assistant Professor
Department : Mechanical Engineering
Date of Joining the Institution : 11.01.2016
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Google Scholar Link : <https://scholar.google.com/citations?user=Db4u6eQAAAAJ&hl=en&oi=ao>
Researchgate Link : <https://www.researchgate.net/profile/Greegory-Mathew>
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Publons Researcher ID : <https://publons.com/researcher/AAB-7059-2022>

Qualifications with Class / Grade : M.Tech. Machine Design, SPCE, Mumbai University, 9.38 CGPI, May 2015.
B.E. Mechanical Engg, VCET, Mumbai University, 62%, May 2010

Total Experience in Years : **Teaching:**
Assistant Professor in Sardar Patel College of Engineering from 05-06-14 to 31-12-15
Assistant Professor in D.J. Sanghvi College of Engineering from 11-01-2016 to till date.
Industry:
1 year as Trainee engineer, Evergreen Engineering Co. Pvt. Ltd.
1 year as Project trainee, Larsen and Toubro EAIC

Research

Papers Published:

International: ---

- [1] Mathew Greegory, Gaikwad Krishna, (2016) Reliability Estimation of Moulded Case Circuit Breaker Through Experimental Degradation Analysis. International Journal on Mechanical Engineering and Robotics. Volume-4, Issue-1. ISSN (Print): 2321-5747
- [2] Mathew G., Rane S.B., Patil Y., Mohan S.V. (2020) Development of Spring Life Test Apparatus and Life-Cycle Assessment of Extension Springs. In: Vasudevan H., Kottur V., Raina A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_51
- [3] Mathew G., Rane S.B. (2020) Reliability Estimation of Molded Case Circuit Breaker in Development Phase. In: Vasudevan H., Kottur V., Raina A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_59
- [4] Nadar V., Narayanan E., Mathew G., Fernandes P. (2020) Design and Development of a Foldable Hand-Driven Tricycle. In: Vasudevan H., Kottur V., Raina A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_65
- [5] Nadar V., Narayanan E., Mathew G., Udayar R. (2020) Design and Development of an Anti-rolling Mechanism for Hand-Driven Tricycles. In: Vasudevan H., Kottur V., Raina A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_54

Professional Memberships	:	ISME
5 day Faculty Development Programmes completed from AICTE Training and Learning Academy	:	<ul style="list-style-type: none"> [1] Social Enterprise Management and Self-Reliant India [2] Exploring Ideas to Scalable Product Design Skills [3] Electric Vehicles [4] Plastics Product Manufacturing and Recycling Techniques
Faculty Development Programmes completed from NPTEL SWAYAM platform	:	<ul style="list-style-type: none"> [1] Fuzzy Logic and Neural Networks [2] The Joy of Computing using Python [3] Manufacturing of Composites [4] Mathematical Modelling of Manufacturing Processes
Training programs completed from IBM	:	<ul style="list-style-type: none"> [1] Predictive Analytics [2] Applied Statistical Analysis
Faculty Development Programmes /Workshops completed from SVKM affiliated institutions	:	<ul style="list-style-type: none"> [1] 3D printing and Applications (by MPSTE) [2] Active Teaching Learning Strategies Using Innovative Technology (by DJSCE)
Training programs completed from MoE's Innovation Cell and AICTE	:	<ul style="list-style-type: none"> [1] Innovation Ambassador Training (Advanced Level) [2] Innovation Ambassador Training (Beginners level)
One day Faculty Development Programmes completed from TCS	:	<ul style="list-style-type: none"> [1] Intellectual Property Rights [2] Machine Learning and Deep Learning
Other Online Faculty Development Programmes completed	:	<ul style="list-style-type: none"> [1] A Journey into the Manufacturing Sector in India in view of Industry 4.0 practices and COVID-19 (D. J. Sanghvi College of Engineering, Mumbai) [2] Digital Teaching and Learning Environment (Pillai College of Arts, Commerce and Science, Navi Mumbai) [3] Advances in Composite Materials and Manufacturing Process (St. Ann's College of Engineering and Technology, Kakinada) [4] Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation (Terna Engineering College, Navi Mumbai) [5] Artificial Intelligence (Bharati Vidyapeeth College of Engineering, Navi Mumbai)
Modules completed from Elsevier Researcher Academy	:	<ul style="list-style-type: none"> [1] 10 tips for writing a truly terrible review [2] Publishing open access [3] Open access and navigating the journal landscape [4] Systematic reviews 101 [5] How researchers store, share and use data [6] Discover how metrics can boost funding and networking opportunities [7] Funding Hacks for Researchers

- [8] How to leverage open hardware to improve your research
- [9] Writing a persuasive cover letter for your manuscript
- [10] How to conduct evidence-based research
- [11] How to secure funding - ECR edition

Courses completed from Coursera : [1] Assessment in Higher Education: Professional Development for Teachers
 [2] Learning to Teach Online
 [3] Leadership and Emotional Intelligence
 [4] Machine Learning for All

Webinars attended : [1] Design - Past, Present and Future (Dwarkadas J. Sanghvi College of Engineering, Mumbai)
 [2] Intellectual Property Rights (Dr. P. G. Halakatti College of Engineering & Technology, Karnataka)
 [3] Creating Interactive E- Learning Content (Universal College of Engineering, Vasai)
 [4] Research Methodology Including Experimental Approach (AISSMS College of Engineering, Pune)
 [5] Challenges in Non-Destructive Testing and Future Prospects (Dwarkadas J. Sanghvi College of Engineering, Mumbai)
 [6] Insights into Machine Learning (SCAD College of Engineering and Technology, Tamil Nadu)
 [7] Innovation in the post Covid Era: A Perspective (Narsee Monjee College of Commerce and Economics)
 [8] Teachers are Leaders (TRL) (Bharati Vidyapeeth College Of Engineering, Navi Mumbai)
 [9] Future Effective Learning Techniques (Sinhagad Institute Of Technology, Lonavala)
 [10] Fluid Power Applications and Mechatronics (Dr. D. Y. Patil Institute of Technology, Pune)
 [11] Career Oriented Teaching Learning (Sinhagad Institute Of Technology, Lonavala)
 [12] Industry Scenario after COVID - 19 (Guru Gobind Singh College Of Engineering and Research Centre, Nashik)
 [13] Industrial Engineering Technique for Digital Manufacturing (Dr. D. Y. Patil Institute of Technology, Pune)
 [14] IOT - Mechanical Engineering Perspective and Case Studies (Amrutvahini College of Engineering, Sangamner)
 [15] Problem Solving Using 8D Systematic (Eduvoice SIEM Nashik Chapter)
 [16] Role of Teacher in Context of National Education Policy (Mumbai University and College Teachers' Association)

Subjects Taught : **UG Level:**

- Engineering Mechanics
- Computer Aided Machine Drawing
- Kinematics of Machinery
- Python for Mechanical Engineering
- Mechanical Vibrations

- Machine Design I
- Machine Design II
- Design of Mechanical Systems

Projects Guided

: **UG Level**

AY 2017-18

Design and Optimization of Fixtures for Shell Fabrication of Pressure Vessel
Prototyping of a Food Processing Unit and Vending Machine
Designing and Testing of a Formula Car Braking System

AY 2018-19

Design and Prototyping of Cost Effective Prosthetic Limbs
Design and Fabrication of a Foldable Bicycle

AY 2019-20

Design and Optimization of Disc Brake Rotor
Fabrication of a Hand Operated Seed (wheat) Drill
Design and Fabrication of a Compliant Mechanism

AY 2020-21

Prototyping an Autonomous Robot Trolley
Design and Manufacturing of an Electric Bicycle
Design and Development of an Air Purifier

AY 2021-22

Design, Optimization and Fabrication of Kinetic Energy Recovery System in a Bicycle
Design and Analysis of Duct for Small Scale Wind Turbine
Design and Fabrication of Automated Wheelchair

PG Level

AY 2020-21

Embodied Design & Development of Hand Tricycle for Handicapped Persons

Recommended Students for
Higher Education

: **Name of the Student**

University/Industry

More than 30 students for PG level

Various Universities across USA, Canada
and Germany

Institute/Department
Responsibility handled

At The Institute Level

Member of following committees at the institute level:

- NAAC Criteria-5
- Admission committee
- Coursera coordination team
- Cultural committee

At the Department Level

- Coordinator for the M.Tech. programme
- Coordinator for NBA criteria-7
- Faculty coordinator for DJS Miles
- Member of syllabus revision/ committee
- Mentor to around 40 students of the department
- Coordinator for International conferences - ICIMA 2018 and ICIMA 2020.
- Coordinator for MATLAB workshops held in the department during A.Y. 2017-18, 2018-19 and 2019-20

Pedagogy Development

- E-Learning video in the subject of Kinematics of Machinery
- E learning video in the subject of Computer Aided Machine Drawing