

BIO-DATA



1. **Name** MADAN SURESH KULKARNI
2. **Designation** Assistant Professor
3. **Residential Address** Laxmi Kripa Bldg., Vitthal Nagar, Karjat-Raigad, Maharashtra India. 410201
4. **Date of birth** June 24th
5. **Total Experience** 12 years
 - i. **Teaching** 9 years
 - ii. **Industrial** 18 months

6. **Qualifications**

Exam Passed	Year	Institution/ University	Branch/ Specialization	Percentage/ CGPA
M.Tech	2010-2012	D. BATU, Lonere.	Mechanical Manufacturing Engg.	7.23CGPA
B.E.	2004-2009	KGCE, Karjat.410201.	Production	67.91
PUC II	2003	A.J.Mandir Jr College, Karjat.	PCMB	57.67
SSLC	2005	A.J.Mandir High school, Karjat		72.93

Additional Qualification:

7. **Employment Record**

Institution	Year (From To)	Designation
Fr. C. Rodrigues Institute of Technology, Vashi Navi Mumbai	Jan 2025 to till date	Assistant Professor
DBIT, Kurla	Jan 2023 to Dec 2024	Assistant Professor
NMIET, Talegaon	Mar. 2021 to Dec 2022	Assistant Professor
DBIT, Kurla	Aug. 2018 to Dec 2020	Assistant Professor
KGCE, Karjat	Jan 2015 to May 2017	Assistant Professor
GVAIET, Shelu.	Jun 2013 to Dec 2014	Assistant Professor
KGCE, Karjat	Jul. 2012 to May 2013	Assistant Professor
B L Patil polytechnic, Khopoli	Aug. 2009 to October 2010	Lecturer

8. Undergraduate / Postgraduate Teaching Experience and Subjects Taught
Subjects Taught at UG level

Sr.No.	Name of Subject	Semester
1.	ENGINEERING GRAPHICS	II
2.	STRENGTH OF MATERIALS	III
3.	PRODUCTION PROCESS II	III
4.	MATERIAL AND METALLURGY	III
5.	THEORY OF MACHINES	IV
6.	THEORY OF MACHINES II	V
7.	DESIGN OF JIGS AND FIXTURES	V
8.	PRODUCTION PROCESS III	V
9.	DESIGN OF MACHINE ELEMENTS	VI
10.	METROLOGY AND QUALITY ENGG.	VI
11.	DESIGN OF PRESS TOOLS	VI
12.	CAD CAM AUTOMATION	VII
13.	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	VII
14.	TOTAL QUALITY MANAGEMENT	VIII
15.	COMPOSITE MATERIALS	VIII
16.	WORLD CLASS MANUFACTURING	VIII
17.	PROJECT MANAGEMENT	VIII

9. Research Experience

10. Research Funding / Consultancy Services:

Research Grants:

11. Professional Societies Fellowship / Membership

12. Achievements / Awards / Position

- VIGILANCE SQUAD FOR MUMBAI UNIVERSITY
- SENIOR SUPERVISOR FOR MUMBAI UNIVERSITY EXAM
- NAAC CRITERION AND NBA CRITERION DEPT. CO-ORDINATOR.
- E-Cell Coordinator
- IIC CONVENOR
- PROJECT COORDINATOR
- PREPARED A COURSE FOR STUDENTS TO IMPART INNOVATION IN MINI PROJECT TOPICS.
- CONDUCTED MAKE A THON A START UP COMPETITION

13. Projects guided in UG/PG level

- EPOXY-CTBN-JACKFRUIT COMPOSITE FABRICATION AND TESTING.
- CONVERSION OF PLASTIC WASTE TO DIESEL
- COMPACT AGRICULTURAL MACHINE FOR PLOUGHING ,SAWING AND CROP CUTTING.
- LUCRATIVE FURNITURE USING EPOXY AND WOOD COMPOSITE.

- THREE PROJECTS ON MACHINING OF DIFFERENT MATERIALS USING TRIANGULAR INSERTS.
- MECHANICALLY OPERATED PORTABLE VENTILATOR.

14. Short Term Training Programmes

ORGANISED

Attended

- 30 Days (JUN. 5th to 2nd JUL, 2023) FACULTY INDUCTION PROGRAM on “HOLLISTIC DEVELOPMENT OF STUDENTS”, Conducted by MSFDA,PUNE.
- ONE DAY REGIONAL MEET OF IIC, ORGANISED BY PILLAI COLLEGE, PANVEL.
- FIVE DAYS TRAINING PROGRAM AT NSTI MUMBAI ON BASICS OF NDT TESTING.
- THREE DAYS TRAINING PROGRAM AT PCCOE, RAVET ON AUTOMATION STUDIO.
- STTP AT DBIT , KURLA ON RECENT ADVANCES/TRENDS IN MANUFACTURING ENGINEERING.

15. List of Papers Published Journal/ Book Chapter

1. B.F. Jogi, Mayur Sawant, Madan Kulkarni and P.K. Brahmkar, “Dispersion and Performance of Carbon Nanotubes (CNTs) Based Polymer Composites: A Review,” Journal of Encapsulation & Adsorption Sciences, Vol. 2, 2012, pp.69-78.
2. B.F. Jogi, Madan Kulkarni, P.K. Brahmkar and D. Ratna, “Some Studies on Mechanical Properties of Epoxy/CTBN/Clay Based Polymer Nanocomposites (PNC),” Procedia Materials Science, vol. 5, 2014, pp. 787-794

List of Papers Published in National and International Conferences (list in IEEE format)

16.

1. B.F. Jogi, Mayur Sawant, P.K. Brahmkar and Madan Kulkarni, “Study of Mechanical Properties of Multiwall Carbon NanotubesAdvanced Materials – Carbon Nanotubes (CNT) based Polymer Composites: A Review,” Proceedings of 1st National Conference on Thermal, Fluid and Manufacturing Science (TFMS-2012), Organized by CKP College of Engineering Surat and Institution of Engineers, Surat Chapter, India, January 2012.
2. B.F.Jogi,R.S.Pawade and Madan Kulkarni, HIGH SPEED MACHINING OF TITANIUM ALLOY (Ti-6Al-4V) WITH COATED CARBIDE TOOL , Proceedings of 1st National Conference on Thermal, Fluid and Manufacturing Science (TFMS-2012), Organized by CKP College of Engineering Surat and Institution of Engineers, Surat Chapter, India, January 2012.
3. B.F. Jogi, Madan Kulkarni, P.K. Brahmkar and D. Ratna “Some Studies on Mechanical Properties of Epoxy/CTBN/Clay Based Polymer Nanocomposites (PNC),” International

Conference on Advances in Manufacturing and Materials Engineering (AMME), NIT Surathkal, India, 2014.

4. B.F. Jogi, Madan Kulkarni, P.K. Brahmankar, R. Dhajekar and D. Ratna, "Some studies on mechanical properties of rubber toughened epoxy/CTBN matrix in the presence of clay and carbon nanotubes as nanofillers, Int. Conf. on Nanostructured polymeric materials and polymer nanocomposites (ICNPM 2015), Mahatma Gandhi University, Kottayam, India, Nov. 13-15, 2015.

5. B.F. Jogi, Madan Kulkarni, P.K. Brahmankar, R. Dhajekar and D. Ratna, "Some studies on mechanical properties of rubber toughened epoxy/CTBN matrix in the presence of clay and carbon nanotubes as nanofillers, Int. Conf. on Nanostructured polymeric materials and polymer nanocomposites (ICNPM 2015), Mahatma Gandhi University, Kottayam, India, Nov. 13-15, 2015

17. Book

Chapter

Polymer Nanocomposites: A Case Study of Rubber Toughened Epoxy/CTBN Matrix in the Presence of Clay and Carbon Nanotubes as Nanofillers

Book **Nanotechnology-Driven Engineered Materials**. Apple Academic Press, eBook ISBN 9781315102603.

18. Invited Lectures in FDP/ STTP

19. International Conference Technical Program Committee Member / Reviewer

20. Patents

1. POLYMER 3D PRINTED SINGLE POINT CUTTING FLITCH TOOL HOLDER, **Milind Ovhal, Jay Bahdur Balawanshi, Mayur Sawant, Subhash Khetre, Madan Kulkarni.**