

NITESH EKNATH CHAUDHARI

Lecturer

Mechanical Engineering Department, VJTI Mumbai - 19.

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Objective

Dedicated and passionate Lecturer with over 8 years of experience in teaching and mentoring diploma engineering students in mechanical, electrical, civil, chemical, textile. Committed to fostering a stimulating and supportive learning environment that encourages student engagement and success. Seeking to leverage my expertise in teaching any subject, classroom management, and innovative teaching methodologies to contribute to the academic excellence at VJTI Mumbai.

Education

M. Tech. in Materials Engineering,

National Institute of Technology,

Karnataka, Surathkal

2019 - 2021

B. Tech. in Mechanical Engineering,

Dr. Babasaheb Ambedkar

Technological University, Lonere,

Raigad, Maharashtra

2008 – 2012

Professional Experience

Lecturer,

VJTI Mumbai

08/2022 – Present

- Courses Taught – Engineering Graphics, Manufacturing Processes, Auto CAD, Machine Drawing, Power Plant Engineering, Alternate Energy Sources, Industrial Fluid Power, etc.
- Class coordinator for First year students of Mechanical Engineering Department.

Physics Faculty,

Narayana Group of Institutions, Bangalore.

07/2022 – 08/2023

- Taught Physics to foundation batches of JEE Mains & NEET Students,
- In charge faculty for Science Olympiad,
- In charge for NASA Space Settlement International Level Competition.

Visiting Faculty,

KJSP, Mumbai

07/2017 – 04/2019

- Taught Part time diploma students of Mechanical Engineering Department.
- Courses Taught – Production Planning & Control, Non-Conventional Manufacturing Processes & Computer Integrated Manufacturing, Engineering Graphics, Manufacturing

Technology & Manufacturing Processes.

Lecturer,

VJTI, Mumbai -19,

08/2014 – 05/2018

- Courses Taught – Engineering Graphics, Manufacturing Processes, Auto CAD, Machine Drawing, Power Plant Engineering, Alternate Energy Sources, Industrial Fluid Power, etc.
- Class coordinator for First year students of Mechanical Engineering Department.

Trainee Engineer

BOSCH India Pvt. Ltd., Nashik.

09/2012 – 08/2013

- Training in 3 Departments-
 - 6 Months – Customer Logistics & Planning
 - 3 Months – Manufacturing Process Planning
 - 3 Months – Manufacturing Production Planning.

Research and Publications -

Research Interests

- Manufacturing Processes, Materials Characterization, Corrosion Resistance coatings, Ceramic Coatings, Coating Techniques, Engineering Graphics & Mechanics.

Publications & Presentations

- Review article published on A revisit to solution-processed zirconia & its stabilized derivatives as protective coatings for basestainless steel in a Prestigious Journal of Critical Reviews in Solid State & Materials Sciences (Taylor & Francis) on 19th July 2022. DOI: 10.1080/10408436.2022.2100737 (Impact Factor 12.19).
- Paper Presented on topic BIO-CHEMICAL MICROMACHINING: A REVIEW in the National Conference on Advances in Chemical and Mechanical Engineering (NCACME-2012) organized by GIT Lavel, Khed on Jan 27-28, 2012.
- Paper Presented on topic Recent Trends in Manufacturing – Micro/Nano Manufacturing for 21st century in PIONEER 2010, the National Level Technical Paper Presentation Contest of KIT's COE Kolhapur on 2nd & 3rd Oct 2010.
- Paper Presented on topic Antimatter as Alternate Fuel, in the event Technovation 2009 jointly organized by MESA & ISHRAE Students' Chapter Dr. B.A.T.U. on 23rd March 2009

Professional Development

- Successfully participated in one day National Water Conference named NEXUS 2017 organized by Govardhan Eco Village in association with NEERI & SHVOCC held at

Bombay Stock Exchange International Convention Center on 7 Jan 2017.

- Design & Manufacturing of Advanced Materials, workshop attended at National Institute of Technology, Karnataka in Feb 2021.
- Surface Characterization: Tools & Applications (SCTA-2020), workshop attended at National Institute of Technology, Karnataka in Dec 2020.
- World Class Manufacturing: A Strategic Perspective STTP held at College of Engineering Pune in June 2016.
- Fundamentals of Fluid Power Devices & Its Applications STTP held at College of Engineering Pune in June 2016

Awards and Honors

- Worked as a placement coordinator for Materials Engineering branch at CDC, NITK, in 2020-21.
- Selected as an eligible candidate for Lecturer in Mechanical for Government Polytechnic by MPSC in 2015.
- Two times runner up in the event X'celerate organized in Cynosure'11 & Cynosure'12, the National Level Technical Fest of Dr. B.A.T.U. April 2011 & April 2012.
- Participated in Showroom Salesman Training Program conducted under Bureau of Energy Efficiency's National Educational Training Program in 2010-11.
- Worked as a Treasurer of MESA for the year 2009-10.
- Best Student Award by my school, Sahyadri Vidyalaya, Sheelphata Khopoli in 2006.
- 2nd prize winner at District Level Science Exhibition Competition, & participation at State Level in 2005.

Professional & Personal Skills

- Modeling & Simulation: Auto CAD, Solid Works, ANSYS, CNC Programming & Machining on Milling, CFD, etc.
- Computer Languages & Software: C, C++, HTML, Python (Basics), MS office applications, Minitab, MATLAB, LaTeX, ImageJ, Origin, Mendeley, Xpert Highscore, etc.
- Characterization Techniques: OM, XRD, GI XRD, FESEM, TEM, DSC, TGA, DTA, FTIR, etc.
- Courses on Coursera: Introduction to Molecular Spectroscopy, Advanced Functional Ceramics, Corrosion Engineering, etc.
- Language proficiency – English, Marathi & Hindi (Speak, Read & Write)
- Soft skills – Clear communication, leadership, teamwork etc.

Community Involvement

- Teaching Bhagavad Gita to many students & corporates through Gita Gyan Club, Bangalore.
- Conducting various activities for students of class 1 to 12, through Krishna Balaram Vatika (KBV) Khopoli center.