


# Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Ashram, Bandstand, Bandra (w)

## Department of Mechanical Engineering

### FACULTY PROFILE

Name: Saurabh Korgaonkar	
Qualification: ME CAD/CAM	
Department: Mechanical Engineering	
Specialization:	
Automation and Control Robotics Metrology CAD/CAM Engineering Drawing	

#### Qualification

Qualification	University	Year of Passing	Percentage	Class
Pursuing Phd	VJTI	NA	NA	NA
ME CAD/CAM	Mumbai	2013	70.5	Distinction
BE Mechanical	Mumbai	2009	60	II
H.S.C.	Mumbai	2005	66	I
S.S.C	Mumbai	2003	77	Distinction

#### Teaching

Institute	Position	Period	Responsibilities
Fr. CRCE	Lecturer	2012 – Present	<ol style="list-style-type: none"><li>1. Automation and Control Engineering</li><li>2. Fluid Power and Automation</li><li>3. Engineering Graphics</li><li>4. Industrial Robotics</li><li>5. Process Engineering and Tooling</li><li>6. Mechatronics and IOT</li><li>7. Mechanical Measurement and Control</li><li>8. Measurement and Testing Tools</li><li>9. Artificial Intelligence and Data Analytics</li><li>10. Lab- incharge of Automation Lab</li></ol>
Bandra Polytechnic	Lecturer	June 2010 – Dec 2020	Engineering Drawing

## Software Proficiency

1. MATLAB
2. 3D Modelling -> Fusion 360, UG NX ,
3. AutoCAD
4. Fluid Sim -> Pneumatic, Hydraulic and PLC Simulation
5. Rockwell Arena -> Discrete Event Simulation Software

## Industrial

Industry	Position	Period	Responsibilities
Nikhil Comforts	Site-supervisor	June 2009 to October 2009	Project Execution according to Plan

## Research

1. Design and Development of Inflatable Helmet (under Mumbai University Minor research Grant )
2. Design and Development of 3d Scanner with Kinect Sensor (project under IEDC)

## Publications

1. Neeraj Kamble , A. B. Rane, Saurabh Korgaonkar, "*Material Study for the Designing of the Portable Helmets*", International Journal of Research in Engineering and Technology, June 2018
2. Sakib Shaukat, A. B. Rane, Saurabh Korgaonkar , "*Elimination of Proprietary control of Computerized Numerical Control Machine*" , JOBARI , April 2016

## Design Patents

1. Design No. 379302-01
  - a. Nozzle for Turning operation
1. Veerabhadrarao miriyala 2. Bhushan Trymbak patil 3. Dipali Kisan Bhise 4. Dr. Vasim A. Shaikh 5. Saurabh Korgaonkar 6. Dr. Ketaki Narendra Joshi 7. Dr. Sujata Prashant Deshmukh

## FDP attended

Duration in weeks	Dates	Approved by*	Topic	Is it related to advanced pedagogy (Yes/No)
	14 <sup>th</sup> September 2024	NITTTR	Orientation towards Technical Education and Curriculum	YES
	14 <sup>th</sup> September 2024	NITTTR	Professional Ethics and Sustainability.	YES

	14 <sup>th</sup> September 2024	NITTTR	Communication Skills, Modes & Knowledge Dissemination	YES
	14 <sup>th</sup> September 2024	NITTTR	Instructional Planning and Delivery	YES
	14 <sup>th</sup> September 2024	NITTTR	Technology Enabled Learning and Life Long Self-learning	YES
	14 <sup>th</sup> September 2024	NITTTR	Student Assessment and Evaluation	YES
	14 <sup>th</sup> September 2024	NITTTR	Creative Problem Solving , Innovation and Meaningful R & D	YES
	14 <sup>th</sup> September 2024	NITTTR	Institutional Management & Administrative Procedures	YES
1	25/10/2021-29/10/2021	AICTE	Advanced Materials and Additive Manufacturing Systems for Industry 4.0	
2	02/8/2021-13/8/2021	ISTE	Simulation Software Tool for Researchers with Impactful writing Research Publication	
1	20/12/2021 – 24/12/2021	AICTE	3d Printing and Desing	
1	12/11/2018-16/11/2018	ISTE	Robotics and Industrial Automation	
1	1/1/2018-5/1/2018	ISTE	A Journey towards awareness	
1	11/12/2017-15/12/2017	AICTE	Industrial Tribology	
2	27/11/2017-8/12/2017	AICTE	Analytics Essentials and tools in Applied Research	
1	19/6/2017-23/6/2017	ISTE	Innovative Teaching Tools and	

			Methodologies for Engineering Faculty	
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#### Details of MOOCS course with E-Certification by NPTEL-AICTE

Duration in weeks	Dates	Approved by* NPTEL / AICTE / any other	Topic/Area	Result/Grade / Percentile Score/Rank
4	Jan 2023	NPTEL	Manufacturing Automation	78
8	Jul-sept 2019	NPTEL	Design Practice	80
12	Jan-Apr 2019	NPTEL	Industrial Automation and Control	64

#### Details of Industrial Training / Professional Training

Duration in weeks	Dates	Name of Industry/relevant body with address	Topic/Area	Any other information
4	16 <sup>th</sup> December 2020 -7 <sup>th</sup> Jan 2021	Interface Gas Consultant, 003, Shree Pancham Apt., Pandit Malharrao, Kulkarni Marg, Borivali (W) Mumbai-400 091.	Reticulated Gas Distribution	Internship/Training
50 Hours Online	April 2020	Protton Synergy Pvt. Ltd MEC Group company C/o Muscat Engineering Consultancy CTS No. 1498, The Qube, B-401-404, Sir Mathuradas Vasanji Rd, Mittal Industrial Estate, Marol, Andheri East, Mumbai, Maharashtra 400059.	Advanced pipe Stress analysis	Training
2 days	15 <sup>th</sup> & 16 <sup>th</sup> Dec 2014	Designcell CAD/CAM Solutions	CAD/CAM	Training on TOPSOLID

#### OTHER RELEVANT INFORMATION

Sr. No.	Details (Mention Year, Value etc. where relevant)
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1	NSS Program Officer 2016-17, 2018-19
2	IOCL Skill Upgradation of Workmen – September 2016 & May 2017
3	Paper Presentation at International Conference on Embracing Industry 4.0 Technologies for Sustainable Growth
4	Mentor Robocon
5	Life member of Indian Society of Technical Education
6	Participation in Design Thinking for Social Sector - Working with HI-tech Family Enrichment Foundation
7	Design Patent - Nozzle for Turning Operation – Patent Application No. - 379302-001  Design Accepted and Published, Journal No is 01/2024 and Journal Date is 05/01/2024
8	Training and Placement coordinator - Instrumental in securing 90%+ internship for year 2024-25 for Mechanical Department Final year students
9	Admission Committee - Instrumental in securing 100 % admission to Mechanical Department in First year for year 2024-25
10	Timetable committee for Mechanical Department
11	Organised one Day workshop on Innovation -> Speaker -> Aum Naik -> Topics included –  1. Earth Energy and Beyond 2. Rhino Software Basics