



**AISSMS**  
**COLLEGE OF ENGINEERING**

ज्ञानम् सकलजनहिताय  
Accredited by NAAC with "A+" Grade



## Department of Robotics & Automation Engineering Faculty Profile

### Prof. M P Bauskar

(Robotics & Automation Engineering)  
Assistant Professor

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🌐 <https://scholar.google.co.in/citations?hl=en&user=NC6IkLQAAAAJ>

🌐 [https://www.linkedin.com/in/mr-bauskar-73a701a1/?lipi=urn%3Ali%3Apage%3Ad\\_flagship3\\_feed%3B%2Bgj1YgiyTqGDZXjspHLujw%3D%3D](https://www.linkedin.com/in/mr-bauskar-73a701a1/?lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3B%2Bgj1YgiyTqGDZXjspHLujw%3D%3D)



### Research Areas / Areas of Interest

Composites, Aerodynamics , Manufacturing, Hydraulics & Pneumatics, Incremental forming

### Personal Details

**Date of Birth :** 13/ 10 / 1979

**Domicile:** Maharashtra

**Gender :** Male

**Blood Group:** A+ve

**Contact Details:** S.No 48/4,Vadgaonsheri Dist Pune .

### Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	M.E.	Automotive – Engg.	Pune	I <sup>st</sup>	March 2014
2	B.E.	Production Engineering	Pune	I <sup>st</sup>	May 2004

### Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	15	00
2	Research	00	00
3	Industry	6	
4.	Others	--	--
<b>Total</b>		<b>20</b>	

### Subjects / Courses Taught

S. No.	Subject	UG/P G	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	MA	UG	BE (Production SW)	01
2	Hydraulics & Pneumatics	UG	TE (Robotics & Automation Engineering)	01
3	Manufacturing Process II	UG	TE (Mechanical )	03
4	Manufacturing Process I	UG	TE (Mechanical)	01
5	Metrology Quality Control	UG	SE (Mechanical SW)	01
6	Industrial Engineering	UG	SE Robotics & Automation BE (Mechanical)	01

## Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
<b>Journals</b>	00	08		02	05
<b>Conferences</b>	07	00			--

## Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Analysis of Aerodynamic Aspects of SUV by Analytical and Experimental Method	D Y DHANDE, M P BAUSKAR	2013	Volume 3, Issue 7, July 2013	(ISSN 2250-2459	IJETAE
2	Experimental Analysis of Aerodynamic Aspects of Sport Utility Vehicle	D Y DHANDE, M P BAUSKAR	2013	Vol. 5 No.07 July 2013	ISSN : 0975-5462	IJEST
3	Study and analysis of Cryogenic Machining of Hard Components and investigation of tool wear	G B NARKHEDE, M P BAUSKAR	2016	Volume 34 Number 6- April 2016	ISSN: 2231-5381	IJETT
4	Aerodynamic Analysis Of Sport Utility Vehicle By Using Computational Fluid Dynamics Approach	D Y DHANDE, M P BAUSKAR	2013	Vol. 2 Issue 7, July - 2013	ISSN: 2278-0181,	IJERT

5	“Design And Development of Ultrasonic Plastic Welding Machine”	M P Bauskar etal	2022	International Journal of Research Publication and Reviews	ISSN2 582-7421	IJRPR
6	Ensemble of Learner for Network Intrusion Detection System	M P Bauskar etal	2023	Journal of Network Security Computer network	e-ISSN258 1639X	Matjournal
7	Advancing Polymer Formability and Surface Quality through Optimized Spindle Speeds and FEM Analysis A Review	M P Bauskar etal	2025	Journal of Technology	ISSN1012 3407	JOT
8	Verification of Forming Force, Major and Minor strain for UHMWPE for Single Point Incremental Forming by Using Experimental andAnalytical approach.	M P Bauskar etal	2025	IJES	ISSN2229 7359	IJES

## Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organized by
1.	Study of Aerodynamic Drag of Suv by Experimental & Analytical Method	M P Bauskar et al	2019	Materials Today: Proceedings	ISSN 1018-3639	Materials Today ICAMMAS17, ELSEVIER
2	Challenges and Opportunities in Composite Railway Sleepers	M P Bauskar et al	2020	ICMESD 2020 AISSMSCOE		ICMESD 2020 AISSMSCOE
3	Implementation of Lean Management to Sustain Quality and Productivity in the Office and the Manufacturing Environment	M P Bauskar et al	2020	ICMESD 2020 AISSMSCOE		ICMESD 2020 AISSMSCOE

4	Recent Trends and development in Hybrid Composites	M P Bauskar et al	2020	Paper Presentation on Technospark2020		PCCOE, PUNE. TECHNOSPARK2020
5	Recent Trends and development in Natural Composites	M P Bauskar et al	2020	Paper Presentation on Technospark2020		PCCOE, PUNE. TECHNOSPARK2020
6	Experimental Analysis of E glass & Carbon Fibre composite for Railway Sleepers	M P Bauskar et al	2022	NCIET		AISSMS COE PUNE
7	Experimental and Computational Verification of Aerodynamic Drag on MUV	M P Bauskar et al	2016.	International Conference on Advanced and Agile Manufacturing and Agile Software Development,		SGGS Institute of Engineering and Technology, Nanded, India

#### PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	11

#### Professional Memberships

Professional Body	Level ( National/ International)	Type (Fellow/Life/Annual)	Membership No.
Institution of Engineers	National	Life	Corporate
SESI	National	Life	

### Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	Abdul Shiledar, M P Bauskar	Variable Roof & Bonnet Diffuser	2016	Filled	Application 201621000374
2	Amit Joshi M P Bauskar	Fail Safe Circuit for Vehicle brakes	2016	Filled	Application no. 201621032190
3	Alen Antony M P Bauskar	Smart Fuel Measuring System	2016	Filled	Application no. 201621035109

### Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Applied Thermodynamics	Technical	ISBN:978-93-5099-907-3
2	Manufacturing Process I	Success Publication	ISBN:978-93-5158-221-2
3	Metrology & Quality Control	Success Publication	ISBN:978-93-5178-408-7

### Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

#### Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Lean Six Sigma Yellow Belt with Binghamton University	Certification Program	3 Days	International	
2	Patent Overview Process	Webinar	One Day	National	
3	Webinar Opportunities , Innovation in Renewable Energy & Sustainability	Webinar	One day	National	

#### Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	CT Bora College Pune	Career Opportunities after 12 Std	Regional	18 th Jan 2020

#### Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	NCIET	National Conference	20 May 2022	AISSMS COE	
2	1 week FDP in Modern Trends In Energy System	FDP	07-11 Feb 2022	AISSMS COE	



3	1 week STTP on Innovative and Inventive Problem Solving	STTP	22-27 June 2021	AISSMS COE	
4	1 week AICTE ISTE Refresher Programme on Advances in Engineering	ISTE	08-14 Dec 2021	AISSMS COE	
5	1 Week FDP Role of Honors Courses in Engineering Education & Research	FDP	25-29 Oct 2021	SIT Lonawala	
6	Technospark 2020	Conference	29-31 May 2020	PCCOE PUNE	
7	Advance Optimization Tools & Techniques for Researchers & Engineers	STTP	23-27 May 2020	SKN Pandharpur.	
8	R Programming	FDP	28-4 may 2020	AISSMS College of Engg, Pune	
9	Product Design & Manufacturing	FDP	Jan-Apr-2020	NPTEL	
10	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE
11	FDP on Introduction to Research	FDP	NPTEL 12 Week 2019	NPTEL	
12	Advances in Tribology	STTP	4-9 November 2019	AISSMS College of Engg, Pune	AICTE
13	ICAMMAS-2017	Conference	2019	Materials Today ICAMMAS17, ELSEVEIR	
14	Engineering Metrology	FDP	12 week 2016	NPTEL	
15	Business Fundamentals for Entrepreneurs	FDP	4 week 2023	NPTEL	AICTE
16	Sustainable Approaches for Mitigation of Environmental Pollution"	FDP	1 week 2023	Department of Chemical Engineering, National Institute of Technology Srinagar	

### Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Lab Incharge Hydraulics & Pneumatic
2	CITP Co-Ordinator Robotics
3	Web site Co-ordinator duration 2013-18
4	Engineering Today Core Committee Duration 2012-19
5	Career Counselling Activity From 2017 onwordSsto 2019

### Awards Received

S. No.	Awards
1	Received Second Prize for Project Competition in Project Competition 2022
2	Second Prize on Paper Publication in Techno spark 2020

**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

M P Bauskar  
(Name with Signature)