



## Department of First Year Engineering

### Faculty Profile

#### Mr. Sumant Shesherao Patil

Ph.D(Pursuing), M.E (Design Engineering), BE-  
Mechanical, D.M.E

Assistant Professor

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🌐 <https://scholar.google.co.in/citations?user=8nTGMEgAAAAJ&hl=en>

🌐 <https://www.linkedin.com/in/sumant-patil-21b275146>



#### Research Areas / Areas of Interest

Feature Extraction, Feature Based Modeling, CAPP, CAD/CAM, CNC Codes, Python, Artificial Intelligence, etc

#### Personal Details

**Date of Birth :** 12 / 03 / 1992

**Domicile:** Maharashtra

**Gender :** Male

**Blood Group:** B+ve

**Contact Details:** S.No.12/2, C2/306, Gagan Lawish , Behind Dharmavat Petrol  
Pump, Pisoli, Pune – 411060

## Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D-Mechanical (Pursuing)	Mechanical Engineering	S.P.P.U		
2	M.E.	Mechanical – Design Engg.	S.P.P.U	Distinction	Oct 2016
3	B.E.	Mechanical Engineering	S.P.P.U	Distinction	May 2014
4	D.M.E	Mechanical Engineering	MSBTE	Distinction	May 2010

## Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	08	01
2	Research	02	00
3	Industry	01	00
4.	Others	--	--
<b>Total</b>		<b>11</b>	<b>01</b>

## Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Graphics (2015 PAT.)	UG	FE	02
2	Basic Mechanical Engineering (2015 PAT.)	UG	FE	02
3	Systems in Mechanical Engineering (2019 PAT.)	UG	FE	04

4.	Engineering Graphics (2019 PAT.)	UG	FE	04
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### Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
<b>Journals</b>	01	09	-	01	02
<b>Conferences</b>	01	01	--	01	--

### Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	Finite Element Analysis of Horizontal Tube Sheet Filters: A Review	Mr. Sumant S. Patil	2017	IJSART	ISSN 2395-1052	Online
2.	Optimization of Shock Absorber Parameters by UsingDOE and Validation by MATLAB Software	Mr. Sumant S. Patil	2017	International Advanced Research Journal in Science, Engineering and Technology	ISSN 2393-8021	Online
3.	Design and Transmissibility Investigation of Shock Absorber Test Rig	Mr. Sumant S. Patil	2017	IJSART	ISSN 2395-1052	Online

4.	Finite Element Analysis of Horizontal Tube Sheet Filters	Mr. Sumant S. Patil	2017	Advances of Production Engineering and System Technology (Mechanical Engineering)	-	Open Journal System (OJS)
5.	Transmissibility investigation of shock absorber of Honda-Splendor/Shine two wheeler	Mr. Sumant S.Patil	2018	IJSART	ISSN 2395-1052	Online
6.	Experimental Transmissibility Investigation of Shock Absorber and Comparison with MATLAB Results for Two-Wheeler	Mr. Sumant S.Patil	2019	International Research Journal of Engineering and Technology (IRJET)	ISSN 2395-0056	Online
7.	CFD analysis of diffuser augmented wind turbine	Mr. Sumant S.Patil, Sagar gade, S.S Khasbage	2019	International Journal of Advance Research, Ideas and Innovations in Technology	ISSN: 2454-132X	Online

8.	Function and Behaviour analysis of a Nanoparticle based bio-Lubricant used in hydrodynamic Bush Bearing	Mr. Sumant S. Patil, S.S Khasbage S.T Gade	2019	Journal of Applied Science and Computations (JASC) (UGC Approved Journal)	ISSN :1076-5131	Online
9	Kinematic And Dynamic Analysis Of Hatch Quick Opening/Closing Mechanism For Canister	Rushikesh Thul, Shubham Mohol, Dhairyashe El Mohite, Pranav Langhi, Prof. Sumant Patil, Prasad Shivdas	2021	International Journal of Creative Research Thoughts (IJCRT)	ISSN: 2320-2882	Online
10	Use of MATLAB Software for Optimization of Shock Absorber Parameters	Sumant S Patil, Rutuja Deshmukh, Amol Kokare	2021	International Advanced Research Journal In Science, Engineering And Technology	ISSN 2393-8021	Online
11	Six Sigma Tools and Shainin DOE Techniques	Prof S. S. Patil, Kartik Aher, Mrunal Bondre, Aditya Kulkarni, Sanket Bagad	2022	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	ISSN (Online) 2581-9429 Impact Factor: 6.252	Online

12	Design and Development of Canister For Missile System	Sumant Patil, Rutuja Deshmukh	2022	International Journal of Creative Research Thoughts (IJCRT)	ISSN (Online) 2320-2882	Online
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### Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Feature Extraction and CNC Code Generation for Prismatic Parts	Mr.Sumant Patil, Dr.K.B Kale Dr.Ravikumar Gupta	2022	2 <sup>nd</sup> International Conference on Recent Advances in Modeling and Simulation Techniques in Engineering and Sciences		MSRC & FMRC Manipal University Jaipur India
2.	Finite Element Analysis of Horizontal Tube Sheet Filters	Mr. Sumant S. Patil	2017	MECHPGCON		D Y Patil Engineering and technology, Pimpri, Pune

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

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	24

### Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
The Indian Society for technical Education (ISTE)	National	Life	LM134181

Solar Energy Society of India (SESI)	International	Life	LM/2603/2021
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### Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
-	-	-	-	-	-

### Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
-	-	-	-

### 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.	SME syllabus implementation workshop	Workshop	1 Day	National	SPPU
2.	Half Day Faculty Guidance seminar on 'PROJECT BASED LEARNING',	Seminar	Half day	State	AISSMS COE

3.	Project Based Learning Exhibition 2022	Exhibition	1 Day	College	AISSMS COE
4.	Benefits of The Global Scholarship	Webinar	1 Day	National	AISSMS COE

### Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
-	-	-	-	-

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

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1.	Research Methodology	Work shop	2 Days	National	SPPU
2.	Advances in Welding Technology	Semi nar	2 Days	State	SPPU
3.	Advanced optimization tools and techniques for Researchers and Engineers	STTP	02 weeks	National	Solapur university
4.	Recent Trends in Solar system and its scope in India	Semi nar	2 Days	State	SPPU
5.	Promoting Quality Culture in Technical Institutions	FDP	01 Week	International	SPPU
6.	Training on Python Program organized by	FDP	01 Week	International	Bombay University
7.	FDP ON SCILAB	FDP	01 Week	International	RMDCOE



8.	FDP on R-Language	FDP	01 Week	Nationl	AISSMS COE
9.	ICT tools for effective learning	FDP	01 Week	Nationl	SRTMUN
10	OBE-A Step Towards Excellence	FDP	01 Week	Nationl	GCE Karad
11	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE

### Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	NBA Criteria-VIII sub Coordinator Dept Level
2.	NAAC Criteria-VI Incharge Dept.level
3.	Project Based Learning subject Dept. Coordinator
4.	FE Dept. Project Coordinator
5.	CAP admission Coordinator
6.	SQUAD during FE SPPU End Sem Exam August 2022

### Awards Received

S. No.	Awards

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



**Mr.Sumant S. Patil**

(Name with Signature)