



Department of Mechanical Engineering

Faculty Profile

Prof.S.R.Patil

M.E.(Mechanical- Design Engineering)

Ph.D.(Mechanical) - Pursuing

Assistant Professor

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☎ (020) 26058587



Research Areas / Areas of Interest

Noise Vibration and Harshness, Design Engineering, Tribology

Personal Details

Date of Birth : 27 / 06 /1970

Domicile: Maharashtra

Gender : Male

Blood Group: O+ve

Contact Details: B303, Shreeji Paradise, S.No.162/3A/3B, New D.P.Road
Aundh, Pune – 411007

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Mechanical Engineering	Pune	--	Pursuing
2	M.E.	Mechanical – Design Engg.	Pune	I st	Dec. 2003
3	B.E.	Mechanical Engineering	Pune	I st	May 1993

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	26	09
2	Research	00	00
3	Industry	--	09
4	Others	--	--
Total		27	06

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Graphics	UG	FE	06
2	Strength of Machine Elements	UG	SE (Mechanical)	05
4	Theory of Machines I	UG	SE (Mechanical)	22
5	Theory of Machine II	UG	TE (Mechanical)	16
6	Design of Machine Elements - I	UG	TE (Mechanical)	12

7	Tribology	UG	BE (Mechanical)	05
8	Kinematics and Design of Manufacturing Machines	UG	TE (Production Sandwich)	05
9	Advanced Stress Analysis	PG	FYME (Mechanical – Design)	06
10	Analysis and Synthesis of Mechanisms	PG	FYME (Mechanical – Design)	06
11	Elective III	PG	FYME (Mechanical – Design)	02

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	04	21	--	04	01
Conferences	01	02	--	--	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Prediction of Diesel Engine Oil Flow rate Requirement by Theoretical Calculations and Simulation Approach	S.S.Gawade, S.R.Patil , M.I.Jamadar	2014	Technical Journal of Institution of Engineers (India), Vol.38, 287-294.	ISBN 978-81-924990-2-4	Institution of Engineers (India)
2	Performance Evaluation of a Centrifugal Blower for Different Rotational Speeds of	Sumit M. Naik, S.R.Patil , Kalpesh W. Shirsath,	2018	Journal of Emerging Technologies and	ISSN 2349 - 5162	JETIR Explore

	an Impeller by Numerical Analysis,			Innovative Research,5 (9) ,156-163.		
3	Effect of Volute Tongue Clearance Variation on Performance of Centrifugal Blower by Numerical and Experimental Analysis	Sunil R.Patil, Sandip T.Chavan, Nitin S. Jadhav, Shivaraj S. Vadgeri	2018	Materials Today: Proceedings, 5,3883–3894.	ISSN 2214-7853	Elsevier
4	Static and Fatigue Analysis of Lathe spindle for Maximum Cutting Force	Shivaraj S. Vadgeri, Sunil R.Patil, Sandip T.Chavan	2018	Materials Today: Proceedings, 5,4438- 4444.	ISSN 2214-7853	Elsevier
5	Study of Aerodynamic Drag of Sports Utility Vehicle by Experimental and Numerical Method	Manoj P. Bauskar, Dinesh Y. Dhande, Shivraj Vadgeri, Sunil R. Patil	2018	Materials Today : Proceedings, 5, 750 - 757.	ISSN 2214-7853	Elsevier
6	Stress Analysis of Carbon Fiber Reinforced Composite Laminate with Different Centrally Located Cutouts	Abhijit M. Kasar, Shivaraj S. Vadgetri, Sunil R. Patil Pranjia P. Bartere	2019	Materials Today: Proceedings, 16, 592-597.	ISSN 2214-7853	Elsevier

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	Organised by
1	Optimization of External Gear Pump Size by Analysis of Diesel Engine Lubrication System,	Santosh Gawade, S.R.Patil, Mohammad Jamadar	2014	National Tribology Conference (NTC-2014)	PES University, Bengaluru, Karnataka
2	A Review on Noise Reduction of Centrifugal Blower with Rectangular Splitter Silencer	A.A, Kankal and S.R.Patil	2015	International Conference on “Mechanical, Material, Industrial, Automotive, Aeronautical and Nano-Technology” (MIANT-2015)	Krishi Sanskriti, New Delhi

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	18	32 Projects

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
Indian Society for Technical Education	National	Life	LM22562

Patents / IPR Filed / Granted

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

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Experimental Investigation of Maximum Cutting Force Condition in Lathe	LAMBERT, Germany	978-9-45019-0

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
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Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Automotive NVH	Workshop	25 th -26 th , Feb. 2016	State	Savitribai Phule Pune University
2	Fourth Mechanical Engineering Post Graduate conference (MECHPGCON 2018)	Conference	13 th -14 th , June 2018	University	Savitribai Phule Pune University

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
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Details of Workshop / STTP / FDP / Conferences Attended

S. No.	Title	Type	Duration	Organizer	Sponsoring Agency
1	Summer School on Induction Training Programme	STTP	31 st Mar. To 20 th April 1995.	University of Pune at D.Y.Patil College of Engg, Pune.	AICTE
2	Recent Trends in CAD/CAM and CAE	STTP	25 th Oct. to 6 th Nov..2004	Amrutvahini College of Engg, Sangamner.	AICTE and ISTE
3	FEM,Analysis and Solid Modeling	STTP	1 st to 14 th Mar.,2004	Adichunchana giri Institute of Technology, Chikmagalur, Karnataka.	AICTE and ISTE
4	Supply Chain Integration: Stratgies and Technologies.	QIP STTP	12 th to 16 th Feb., 2018	IIT,Kharagpur.	AICTE
5	Vision-Mission-PEO- PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10 th to15 th June .2019	AISSMS College of Engg.,Pune.	ISTE
6	Conveyor Technology for Bulk Material Transport	QIP STTP	14 th to 20 th Oct.,2019	IIT,Kharagpur.	AICTE
7	Advances in Tribology	STTP	4 th to 9 th Nov., 2019	AISSMS College of Engg., Pune.	AICTE

8	Outcome based Education - A step towards Excellence	FDP	11 th to 15 th May, 2020	Government College of Engineering, Karad.	AICTE
9	Promoting Quality Culture in Technical Institutions	FDP	25 th to 29 th May, 2020	AISSMS College of Engg, Pune	UGC Paramarsh Scheme.
10	Vibration Control of Rotating Machines	STTP	8 th to 12 th June .2020	Annasaheb Dange College of Engg. and Technology, Ashta	Lead College Scheme of Shivaji University, Kolhapur

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Local Inquiry Committee Member of Savitribai Phule Pune University, Pune
2	Staff Selection Committee Member of Savitribai Phule Pune University,Pune
3	Assistant, Revaluation CAP Director in Savitribai Phule Pune University,Pune
4	College Sports Incharge
5	College Time Table Coordinator
6	NAAC Criteria Coordinator
7	ME (Mech.- Design Engineering) Course Coordinator
8	Mechanical Sandwich Course Coordinator
9	NBA Criteria Incharge
10	Module Coordinator For Design Subjects
11	Theory of Machines and ME (Mech.- Design Engineering) Lab Incharge
12	Mechanical Engineering Student Association (MESA) Faculty Advisor

Awards Received

S. No.	Awards
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Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Prof.S.R.Patil