AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade

Department of Chemical Engineering

Faculty Profile



Prof.Pravin S Tadkar

M.Chem Engg (Chemical Engineering)

Assistant Professor

pstadkar@aissmscoe.com

ptadkar@gmail.com

(020) 26058587; Extn: 1212

https://scholar.google.com/citations?user=5XcoC3cAAAAJ&hl=en

https://www. linkedin.com/in/pravin-tadkar-57343b21

Research Areas/ Areas of Interest

Epoxiadtion, Hydrolysis, CRE, DOE, HT, CRE, FM

Personal Details

Date of Birth:	00 / 00 / 0000	**Domicile:**	Maharashtra
Gender:	Male	**Blood Group:**	O+ve
Contact Details:	Department of Chemical Engineering, AISSMS COE Pune-01		

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Chemical Engineering	ICT Mumbai	--	Pursuing
2	M.E.	Chemical Engineering	ICT Mumbai	Ist	May 2010
3	PGDM	Piping Designand Engineering	Pune	Ist	May 2008
3	B.E.	Chemical Engineering	Pune	First Class with Distinction	May 2007

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	16	00
2	Research	00	00
3	Industry	01	02
4.	Others	--	--
Total		**17**	**2**

Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Chemical Reaction Engineering II	UG	BE (Chemical)	17

2	Fuel Cell Technology	UG	BE (Chemical)	05
3	Piping Design & Engineering	UG	BE (Chemical)	05
4	Catalysis	UG	BE (Chemical)	03
5	Chemical Process Safety	UG	BE (Chemical)	02
6	Chemical Engineering Thermodynamics II	UG	TE (Chemical)	01
7.	Chemical Engineering Thermodynamics I	UG	SE (Chemical)	04
8	Heat Transfer	UG	SE (Chemical)	10
9	IME	UG	SE (Chemical)	02
10	Lab Practice I	PG	M E (Chemical)	02
11	Advanced Process Control	PG	M E (Chemical)	02
12	Process Optimization	PG	M E (Chemical)	02
13	Mathematical and Statistical Methods	PG	M E (Chemical)	02
14	Chemical Lab – I	PG	M.Tech (Chemical)	02

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	01	01	00	02	02
Conferences	60	03	-	-	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher

1.	Treatment of Methylene Blue Dye Using Immersed Lamp Photocatalytic Reactor: 5 L Scale Study	Pravin S. Tadkar Palas K. Borkar . Sayali N Gholap Vitthal L Gole	2019	J. Inst. Eng. India Ser. E **100**, pages199–204(2019)	ISSN 1018-3639	Elsevier
2	Thin Layer Modeling Microwave Vacuum Drying of Green Chilli	Vitthal L Gole, Pravin Tadkar, Pratik Pawar and Nirmal Patil	2010	Vol. II, No. 2, 2010	978-81-314-2793-4	IUP Journal

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised By

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	**-**	-	90

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISTE	National	Life	LM134138
SESI	National	Life	LM/2506/2021
IIChE	National	Life	LM51009
IE (I)	National	Life	M1592283
IE (I) CE	International	Life	M1592283

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
1.	Extraction of Valuable products from Karanja	2016-18	BCUD, SPPU, Pune	INR 2.75 Lac

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency

01	Sustainable Waste and Water Management for a Cleaner Environmen	STTP/FDP	1 Week	National	ISTE and AISSMS
02	Introduction to Computer	SDP	03/07/2020 to 09/07/2020	International	Spoken Tutorial and AISSMS COE Pune
03	Biogas	Workshop	20/05/2020 to 25/05/2020	National	Spoken Tutorial and AISSMS COE Pune
04	DWSIM	Workshop	11/05/2020 To 15/05/2020	National	Spoken Tutorial and AISSMS COE Pune
05	Process Simulation Using DWSIM	FDP	28/04/2020 to 04/05/2020	National	Spoken Tutorial and AISSMS COE Pune
06	Advances in Chemical Reactor Design (Received Grant Rs 2 L from SPPU)	Seminar	27/02/2017 to 28/02/2017	National	SPPU Pune and AISSMS COE Pune
07	Sustainable Technologies for Specialty and Fine Chemicals (Received Grant Rs 2 L from SPPU)	Seminar	18/03/2016 to 19/03/2016	National	SPPU Pune and AISSMS COE Pune

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	MIT ALandi	SCHEMCON 2026	National	12/09/2026
2	AISSMS COE Pune	Solid Waste Management	National	21/03/2026
3	AISSMS COE Pune	Judge for BE E&TC Project Exhibition	Regional	March 2023
4	AISSMS COE Pune	Software Based Case Studies for Development of Multidisciplinary Projects	Regional	23/11/2021
5	Prakalp 2021 MIT AOE	Judge	National	13/09/2021 to 14/09/2021
6	Prakalp 2020 MIT AOE	Judge	National	11/09/2020
7	Prakalp 2019 MIT AOE	Judge	National	16/09/2020
	AISSMS Polytechnic	Piping Design	Regional	24/02/2012

Details of Worshop/STTP/FDP/Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Sustainable Waste And Water Management For A Cleaner Environment.	FDP	21.03.2026	AISSMS COE and ISTE	
2	Assessment Of Student Performance	FDP	Feb-Apr 2026	NPTEL AICTE	
3	Assessment Of Effective Writing	FDP	Jan-Mar 2026	NPTEL AICTE	
4	Assessment Of Outcome Based Pedagogic Principles For Effective Teaching	FDP	Feb-Mar 2026	NPTEL AICTE	
5	Energy, Sustainability And Climate Chang	FDP	05-10 Jan 2026	AICTE ATAL	
6	Transformative Engineering Pedagogy: Outcome-Based Education, AI-Enabled Teaching, And Assessment Excellence Under NEP-2020"	FDP	2-7 February 2026	E&TC Department, AISSMS College of Engineering, Pune.	
7	Instruction For Good Learning	FDP	July-Oct 2025	NPTEL AICTE	
8	Green Technology For Engineering Faculty	FDP	15/09/2025 to 20/09/2025	Dr. D. Y. Patil Pratishthan's College	
9	Digital Marketing	FDP	22/09/2025 to 26/09/2025	Dayananda Sagar University, Bangalore in association with ExcelR Edtech Pvt. Ltd	

10	Emerging Sustainable Practices In Chemical Engineering	FDP	06/10/2025 to 11/10/2025	Datta Meghe College of Engineering, Navi Mumbai	
11	Hydrogen Energy Systems For A Clean And Green Future	FDP	13/10/2025 to 18/102025	Avanthi Institute of Engineering and Technology	
12	Accreditation And Outcome Based Learning	FDP	July-August 2025	NPTEL AICTE	
13	Generative AI And Agentic AI	FDP	10/11/2025 to 14/11/2025	S G Balekundri Institute of Technology, Belagavi, Karnataka, India.	
14	Process Intensification Through Heat Transfer Augmentation	FDP	18/02/2025 to 22/02/2025	GIT Ratnagiri	
15	Cyber Security	FDP	14/02/2025 to 20/02/2025	Excel R	
16	Integrating Synergism Among Chemical Processes And Technologies For Sustainable Development	FDP	10/02/2025 to 18/02/2025	AICTE Training and Learning (ATAL) Academy SVNIT Surat	
17	Process Optimisation	FDP	14/10/2024 to 18/10/2024	UPL University of Sustainable Technology, Vataria, Ankleshwar	
18	Optimisation Techniques In Engineering	FDP	24/06/2024 to 28/06/2024	Dr D Y Patil Institute of Engineering and Research Akurdi Pune	
19	Chemical Process Safety	FDP	16/12/2024 to 20/12/2024	SCOE Pune	

20	Bio Analytics	FDP	05.02.2024-09.05.2024	SJC Institute of Technology Hydrabad	
21	Sustainable Approaches For Mitigation Of Environmental Pollution	FDP	29.01.2024-02.02.2024	NIT Srinagar	
22	Soft Skills For Success	FDP	3 Webinars	IUCEE	
23	Green Energy Technology And Its Significance	FDP	24-28 .07.2023	BVCOE, Navi Mumbai	
24	Icoge 2023	Conference	16/05/2023 to 17/05/2023	AISSMS COE Pune	
25	Recent Advancement In Material, Micro-Manufacturing And Characterization	FDP	13/03/2023 to 17/03/2023	DPU Pune	
26	Effective Engineering Teaching In Practice	FDP	4 Week	NPTEL	
27	Recent Advancement In Material, Micro-Manufacturing And Characterization	FDP	March 13-17, 2023.	DPU Pune	
28	Recent Advances In Chemical Engineering-2022	FDP	08/11/2022 to 12/11/2022	Rajalakshmi engg.college.,Chennai.	
29	Sustainable Manufacturing Management	FDP	11/07/2022 to 15/07/2022	DYPIMER Pune	
30	Project Based Learning (PBL)	STTP	One Week Feb 21-26, 2022	AISSMS COE Pune	
31	Environment, Energy, Health Current Research & Social Responsibilities	FDP	One Week April 25-29, 2022	Bharati Vidyapeeth College of Engineering Navi Mumbai	

32	Outcome Based Teaching-Learning	FDP	One Week March 21-25, 2022	Pravara Rural Engineering College Loni	
33	Simulation Tools for Research	FDP	One Week February 08-14, 2022	Sharad Institute of Technology, College of Engineering, Yadrav, Ichalkaranji.	
34	Prospective Road Map To The Academicians	FDP	One Week January 03-07, 2022	Sri Venkatewara College Of Pharmacy (ATAL AICTE)	
35	Recent Trends in Green Technology and Materials.	FDP	One Week December 20-24, 2021	SCOE Pune	
36	ANSYS Workshop - A Hands-on introduction to Computational Fluid Dynamics	Workshop	One Day March 12, 2022	CADFEM ANSYS	
37	Applications of Nanotechnology and Nanoscience in Science and Engineering	STTP	01 week, 12/07/2021 to 17/07/2021	PIET Nagpur	
38	Energy Conservation and Audit	STTP	01 Week, 14/06/2011 to 19/06/2021	Sharad Institute of Technology , COE, Yadrav	
39	Applications Oriented Advanced Functional Nano composite	FDP	01 Week 26/07/2021 to 30/07/2021	SCOE Pune	
40	Foregrounding the spectrum of the Character Building in Modern Human Life	FDP	09 Days 25/06/2021 to 03/07/2021	Balaji Institute of Technology and Science Lakenpally, Narampet, Warang	

41	Augmented Reality and Virtual Reality	FDP	01 Week 21/06/2021 to 25/06/2021	AISSMS COE Pune	
42	Recent Trends in Chemical and allied Industries	FDP	01 Week 21/06/2021 to 25/06/2021	GP Daman	
43	Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates	STTP	06 Days 14-19 December 2020	SE&T GIET University Gunpur	
44	Energy Storage	FDP	05 Days 01-05 February 2021	GITM (ATAL FDP)	
45	Environment, Energy, Health, and Safety: Trends and Industrial Aspects	FDP	05 Days 17-21 May 2021	KKW Polytechnic Nashik (ATAL FDP)	
46	Project Based Learning	Workshop	01 Day 23 January 2021	VIT Pune	
47	Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates	STTP	One Week (14/12/2020 19/12/2020)	School of Engineering and Technology GIET University Gupur)	
48	Industrial Pollution & Control Strategies	STTP III	One Week (23/11/2020 28/11/2020)	Anurag Group of Institutions Ghatkesar, Medchal Telangana	
49	Industrial Pollution & Control Strategies	STTP I	One Week (24/082020 29/08/2020)	Anurag Group of Institutions Ghatkesar, Medchal Telangana	

50	Advances in Additive Manufactuing	STTP	6 Days (20/07/2020 to 25/07/2020)	Yashwantrao Chavan College of Engineering	
51	Microsoft Digital Literacy	STTP	One Week (15/06/2020 20/06/2020)	AISSMS IOIT	
52	Outcome Based Education And NBA Accreditation Process	STTP	5 Days (08/06/2020 12/06/2020)	P. R. Pote (Patil) College of Engineering & Management, Amravati	
53	Advanced Optimization Tools and Techniques for Research Engineers	STTP	One Week (23/05/2020 27/05/2020)	SKN Sinhgad College of Engineering	
54	Leadership Excellance	FDP	5 Days (09/11/2020 13/11/2020)	Indian Institute of Plantation and Management	
55	Green Technology & Sustainability Engineering	FDP	5 Days (26/10/2020 30/10/2020)	SVNIT Surat	
56	Essential Mathematics for Engineers and Researchers	FDP	One Week (23/07/2020 to 27/07/2020)	SKN Sinhgad College of Engineering, Pandharpur, Maharashtra	
57	Research in Energy Technologies	FDP	One Week (06/07/2020 11/07/2020)	Bharati Vidyapeeth COE Pune	
58	'Research Opportunities in Advanced Manufacturing Processes	FDP	One Week (22/06/2020 28/06/2020)	Bharati Vidyapeeth COE Pune	
59	E Leaning Creating and Managing e-Content	FDP	3 Days (22/06/2020 24/06/2020)	VVPIET Solapur	
60	Development and Impact of Recent Technologies & Innovations in Chemical Engineering	FDP	One Week (21/06/2020 26/06/2020)	MGM COE & T Navi Mumbai	

61	Leadership Excellence	FDP	7 Days (17/06/2020 23/06/2020)	Justice Basheer Ahmed Sayeed Sollege for Women Chennai	
62	Future Materials: Nanocomposites	FDP	0ne Week (15/06/2020 21/06/2020)	Bharati Vidyapeeth COE Pune	
63	Research in Environmental Engineering and A Way Forward	FDP	0ne Week (15/06/2020 20/06/2020)	PCCOE Pune	
64	Role of Energy Management in Smart City	FDP	One Week (15/06/2020 19/06/2020)	School of Engineering & Technology Sharda Unversity Greater Noida UP	
65	Technology Towards Common Man	FDP	04 Days (10/06/2020 to 13/06/2020)	Sri Manakula Vinayagar Engineering College Puducherry	
66	Modern Technologies and Self Development	FSD P	3 Days (08/06/2020 to 10/06/2020)	AISSMS COE Pune	
67	Role Of Teachers In Quality Enhancement & Accreditation	FDP	One Week (05/06/2020 11/06/2020)	Santhiram Engineering College, Nandyal and Kristu Jayantu College Banglore	
68	Materials: Recent Trends & Engineering Applications	FDP	One Week (02/06/2020 07/06/2020)	GOKARAJU RANGARAJU Institute of Engineering and Technology	
69	Advanced Teaching tools Techniques and Methodologies for outcome based Education	FDP	One Week (01/06/2020 05/06/2020)	AISSMS COE Pune	

70	Municipal Solid Waste Management during COVID-19 Pandemic	FDP	03 Days (28/05/2020 30/05/2020)	Anurag Group of Institutions, Ghatkesar (M), Medchal (D), Telangana	
71	Data Science using R	FDP	3 Days (28/05/2020 30/05/2020)	K. K. Wagh Institute of Engineering Education and Research, Nashik	
72	Promoting Quality Culture in Technical Institutions	FDP	One Week (25/05/2020 29/05/2020)	AISSMS COE Pune	
73	Introduction to Computers	FDP	One Week (20/05/2020 24/05/2020)	Shriram Institute of Technology & Engineering Paniv	
74	Advances in " Python(Django and Flask), Python for Data Science and Cyber Security"	FDP	One Week (21/05/2020 24/05/2020)	Chadalawada Ramanamma Engineering College, Tirupati	
75	Moodle- Learning Management System.	FDP	One Week (13/05/2020 17/05/2020)	SCOE Pune	
76	Outcome Based Education: A Step Towards Excellence	FDP	One Week (11/05/2020 15/05/2020)	Government College of Engineering, Karad	
77	Process Simulation using DWSIM	FDP	One Week (28/04/2020 04/05/2020)	AISSMS COE Pune	
78	Vision-Mission-PEO-PSO-PO-CO: Framing, mapping, Assessment and Attainment	FDP	One Week (10/06/2019 15/06/2019)	ISTE and AISSMS COE PUNE	
79	Modern Pedagogy and Recent Technological Development	FDP	One Week (10/12/2018 14/12/2018)	AISSMS COE Pune	
80	Teaching Learning	FDP	One Week (June 2014)	AISSMS COE Pune	

81	Mentoring	FDP	One Week (June 2014)	AISSMS COE Pune	
82	Teaching Learning	FDP	One Week (June 2013)	AISSMS COE Pune	
83	Computational Fluid Dynamics'	Seminar	1 day (24/9/2019)	Department of Chemical Engineering, AISSMS COE, Pune	
84	Scale-up of the batch process and flow chemistry in batch reactors'	Seminar	1 Day (19/7/2019)	Department of Chemical Engineering, AISSMS COE, Pune	
85	Schemcon	Conference	2 days (17/10/2019 to 18/10/2019)	Shroff S.R. Rotary Institute of Chemical Technology (SRICT)	

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Department Virtual Lab Coordinator
2	Department Website Coordinator (from 2026 to till date)
3	Department Academic Coordinator (from 2019 to 2023)
4	Department ERP Coordinator (from 2019 to till date)
5	AIChE Students Chapter Coordinator (from 2022 to till date)
6	Coordinator for Vinyl Board Printing (Institute Level) (from 2016 to till date)
7	Member of various committee on college level like NAAC R&D, Students Welfare, NSS, Alumni Association (from 2016 to till date)
8	Coordinator for Academic Calendar (Institute and Department Level)
9	Coordinator for Students' Activity (Engineering Today Coordinator, worked on various committee in Shivanjali, Science Project Exhibition Coordinator, Fresher's, and Farewell) (Department Level) (from 2010 to till 2018)
10	Coordinator for Social Program (Department Level) (from 2016 to till date)
11	Coordinator for NBA (Criterion-II) (Department Level)
12	CEFM Lab Development (Purchase of the equipment's)
13	Coordinator for National Level Seminar (Department Level)
14	Coordinator for Service Cell (Department Level)
15	Coordinator for Training and Placement (Department Level)
16	Coordinator for Project and Seminar (Department Level)
17	Coordinator for Industrial Training (Department Level)

Awards Received

S. No.	Awards
1.	Recognized as an NPTEL Star – Motivated Learner by NPTEL for outstanding commitment to continuous learning and professional development.
2.	Awarded the IGIP International Engineering Educator certification by the International Society for Engineering Pedagogy (IGIP), Austria, on 10 January 2026.
3.	Honoured with the IUCEE International Engineering Educator Certification in Spring 2025 for successful completion of the International Engineering Educator Certification Program.
4.	Recognized as an Exceptional Contributor and awarded a certificate for serving as a Primary Evaluator in Toycathon 2021, organized by the Ministry of Education's Innovation Cell in collaboration with AICTE and other Government of India ministries.

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

Mr Pravin S Tadkar

(Name with Signatue)