



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated with
Savitribai Phule Pune University

Accredited by NAAC with "A+" Grade | NBA - 7 UG Programmes



Department of Robotics and Automation Engineering

Faculty Profile

Dr Nitin G Shekapure

Associate Professor
PhD Mechanical Engineering
ME Industrial Engineering
MBA Operation
BE Mechanical Engineering
✉ ngshekapure@aiissmscoe.com



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🔗 <https://scholar.google.com/citations?user=laqHDxsAAAAJ&hl=en>

Research Areas / Areas of Interest

Quality Management, Industrial Engineering, Design Thinking, Digital Marketing

Personal Details

Date of Birth : 10 / 06 / 1976

Domicile: Maharashtra

Gender : Male

Blood Group: B+ve

Contact Details: 1 Kennedy Road, Production Engineering Department, AISSMS
COE, Pune – 411 001

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	PhD	Mechanical Engineering	SGAU	--	September 2021
2	MBA	Operations	SPPU	--	June 2012
3	M.E.	Industrial Engineering	SPPU	1st with Dist.	May 2010
4	B.E.	Mechanical Engineering	SGAU	1st	May 2000

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	23	--
2	Industry	02	00
3	Others	--	--
Total		25	00

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class FE/SE/TE/BE/ME	No of times Subject Taught
1	Industrial Engineering & Management	UG	SE Robotics and Automation	03
2	Artificial Intelligence for Robotics	UG	TE Robotics and Automation	03
3	Internet of Things and Machine Learning	UG	BE Robotics and Automation	03
4	Creative Product Design	UG	BE Production SW	03
5	Industrial Engineering & Management	UG	SE Production SW	05
6	Production & Industrial Management II	UG	TE Production SW	05
7	Industrial & Technology Management	UG	TE Electrical	06

8	Material Management & Logistics	UG	BE Production SW	03
9	Basic Mechanical Engineering	UG	FE	04
10	Engineering Graphics	UG	FE	04
11	Automobile Engineering	UG	BE Production SW	04
12	Process Planning and Industrial Statics	UG	TE Production SW	06
13	Creativity and Innovation	UG	FE	02

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	00	09	01	12	01
Conferences	00	05		03	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Effective speech recognition for healthcare industry using phonetic system	Nitin Shekapure, G. Dharmale, Dipti D. Patil	2024	Journal of Autonomous Intelligence	ISSN No: 2630-5046	Frontier Scientific Publishing
2	Data analytics for finding emerging entrepreneur's success factors	Nitin Shekapure, Dipti D. Patil, Swati Shekapure	2023	Journal of Autonomous Intelligence	ISSN No: 2630-5046	Frontier Scientific Publishing
3	Evaluation of Success Factors in Professional Business Incubation	Nitin Shekapure, Sandeep Wankhade, Vipin Gawai	2022	Journal of Optoelectronics Laser	ISSN No: 1005-0086	ORES Science
4	Survey Paper on Extraction of 3D	Nitin Shekapure, Sandeep	2022	Journal of Optoelectronics Laser	ISSN No:	ORES Science

	image Data for Detecting Chest Diseases	Wankhade, Vipin Gawai			1005-0086	
5	Cognitive Analysis of Employer for Identifying Incubation Success Factors	Nitin Shekapure	2022	NeuroQuantology	ISSN NO : 1303-5150	Anka Publishers
6	Cognitive Analysis of User for Suggesting Learning Objects	Nitin Shekapure	2022	NeuroQuantology	ISSN NO : 1303-5150	Anka Publishers
7	Clinical Data Analysis of Patient and Recommendation	Nitin Shekapure	2022	NeuroQuantology	ISSN NO : 1303-5150	Anka Publishers
8	Relationship between entrepreneurship and business incubation of Indian start-up ecosystem	N G Shekapure, Dr S P Kallurkar	2020	UGC-CARE Approved Group 'II' journal	ISSN NO : 1869-9391	GIS SCIENCE JOURNAL
9	Technical Business Incubator and Indian Ecosystem	N G Shekapure, Dr S P Kallurkar	2021	Volume 7, Issue 12, pp. 1189, 12 December 2020	ISSN No: 2395-0072	International Research Journal of Engineering and Technology (IRJET)

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organized by
1.	Design and Development of an AI-Powered Compact Duck-Inspired Walker (Waddlebot)	N G Shekapure	2026	ICSI 2026	978-81-996627-5-9	
2.	Significance of business incubation In practice	N G Shekapure, Dr S P Kallurkar	2020	IEEE ICCDW 2020		IEEE
3.	"Design and Analysis of Factors Affecting Technical Business Incubation in India"	Nitin G Shekapure, Dr. Shrikant P Kallurkar	2021	Springer Proceedings International Conference on Advancement in Materials,		

				Manufacturing and Energy Engineering "ICAMME-2021" February 2021		
4.	Optimization of set up time reduction for Flexible Manufacturing Systems	N G Shekapure, M A Kelkar, R J Dhake	2013	International Conference on Industrial Engineering		SVNIT, Surat.
5.	Refined Design and Development of Tool for Counselling of Sick and Aspiring Entrepreneurs	N G Shekapure, S S Kallurkar	2011	International Conference ELIXIR		VNIT, Nagpur

Professional Memberships

Professional Body	Level National/ International	Type Fellow/Life/Annual	Membership No.
SAE	International	Life	7180510020
IE I	National	Life	
IIIE	National	Life	
Robotics Society	National	Life	

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Humanities and Social Science	Wiley Publications	ISBN – 10: 8177228471, ISBN-13: 978-8177228472
2	Data Analysis for Technical Business Incubation Performance Improvement	Taylor & Francis Imprint: Chapman and Hall/CRC	ISBN – 9781003283249
3	Design Thinking and Idea	StudyMax Publication	ISBN: 978-81-977409-1-6

Details of Courses Completed

S. No	Title	Type	Duration	Level State/National/ International	Sponsoring Agency
01	Module 1 – Orientation Towards Technical Education and Curriculum Aspects	AICTE - NITTT	6 Months	National	Self
02	Module 2 – Professional Ethics & Sustainability	AICTE - NITTT	6 Months	National	Self
03	Module 3 – Communication Skills, Modes & Knowledge Dissemination	AICTE - NITTT	6 Months	National	Self
04	Module 4 – Instructional Planning and Delivery	AICTE - NITTT	6 Months	National	Self
05	Module 5 – Technology Enabled Learning & Life-Long Self Learning	AICTE - NITTT	6 Months	National	Self
06	Module 6 – Student Assessment and Evaluation	AICTE - NITTT	6 Months	National	Self
07	Module 7 – Creative Problem Solving, Innovation and Meaningful R&D	AICTE - NITTT	6 Months	National	Self
08	Module 8 – Institutional Management & Administrative Procedures	AICTE - NITTT	6 Months	National	Self
09	Leadership and Team Effectiveness	NPTEL	12 Weeks	National	College
10	Employability Skills	NITTTR	1 Week	National	College
11	Warehouse Management	NITTTR	1 Week	National	College
12	Entrepreneurship Educator	Wadhvani Foundation	4 Weeks	International	College
13	“Foundations of Business Strategy” by University of Virginia	Coursera Course	4 Weeks	International	College
14	“Six Sigma Principles” By University System of Georgia	Coursera Course	4 Weeks	International	College
15	“Initiating and Planning Projects” By University of California, Irvine	Coursera Course	6 Weeks	International	College
16	“Digital Product Management: Modern	Coursera Course	4 Weeks	International	College

	Fundamentals” By University of Virginia				
17	“Creative Thinking: Techniques and Tools for Success” By Imperial College London	Coursera Course	7 Weeks	International	College
18	“Agile Meets Design Thinking” By University of Virginia	Coursera Course	4 Weeks	International	College
19	Presentation skills: Designing Presentation Slides” By National Research Tomsk State University	Coursera Course	4 Weeks	International	College
20	Essentials of Entrepreneurship: Thinking & Action By University of California, Irvine	Coursera Course	4 Weeks	International	College
21	“Specialization in Excel Skills for Business” By Macquarie University	Coursera Course	16 Weeks	International	College
22	“Specialization in Supply Chain Management” By Rutgers the State University of New Jersey	Coursera Course	22 Weeks	International	College
23	Six Sigma: Black Belt	PMI, USA	30 Hours	International	Self
24	NBA Accreditation and Teaching Learning in Engineering (NATE)”	IISc Bangalore	12 Weeks	National	Self
25	Applied Ergonomics	IIT Kanpur	12 Weeks	National	Self
26	Consumer Behavior	IIT Kharagpur	12 Weeks	National	Self
27	Introduction to Managerial Economics	IIM, Bangalore	12 Weeks	National	Self

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level National/Int/ State/Regional	Date
01	Centre for Innovation, Incubation & Entrepreneurship (CIIE), DY Patil International University	Startup & Innovation Powering the Future of Entrepreneurship	State	17/02/2026
02	MMIT, Pune	Design Thinking, Critical thinking and Innovation Design	State	25/01/2025
03	Pravara Rural Engineering College, Loni	Fosters innovation, incubation, entrepreneurship, and startup initiatives	State	21/11/2024
04	PVG COE, Pune	Design Thinking & Idea Lab	State	20/08/2024
05	PVPIT, JSPM-TSSM Group of Institutes, Pune	Design thinking & Product Development:	State	26/12/2024
06	Phaltan Education Society's College of Engineering, Phaltan	"Use of ICT Tools Resources in Teaching Learning Process"	State	2023
07	FanTech Technical Campus, Sangola	Ensuring Students Engagement during Online Teaching	State	2022
08	AISSMS College of Engineering, Pune	Gagne s suggested 9 events of instruction	International	2020
09	P R Pote College of Engineering, Amaravati	NBA	State	2012
10	Gaikwad Patil College of Engineering, Nagpur	NBA	State	2013

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Indian Knowledge Systems	STTP	One week	UGC	UGC

2	Entrepreneurship Development and Start-ups	PDP	One week	NITTTR, Chennai	College
3	Design Development and use of rubric in students	PDP	One week	NITTTE, Bhopal	College
4	Service Science Indian	STTP	One week	IIT, Kharagpur	AICTE
5	Decision Modeling in Facility Planning	STTP	One week	IIT, Kharagpur	AICTE
6	Design Development and use of Rubric in Students Assessment	FDP	One week	NITTTR, Bhopal	College

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Working as a BOS Member, Production and Industrial Engineering Borad, SPPU, Pune
2	Working as a BOS Member, PVG's COET & GKPIM, Pune
3	Working as a Academic Coordinator, Robotics and Automation Engineering Department
4	Worked as a HOD, Production Engineering Department
5	Worked as a NBA Coordinator, Production Engineering Department
6	Departmental Time Table In-charge
7	Guardian Faculty Member, BE Class
8	Worked as a NAAC Coordinator, Central Level
9	Computer Centre In-charge
10	Coordinator Department Image Building
11	College web site coordinator for Production department
12	Departmental coordinator for QAC
13	Departmental coordinator for Engineering Today
14	Coordinator for result analysis at college level
15	Worked as Training and Placement coordinator
16	Worked as System Analyst in SE CAP, University of Pune
17	Contribution in designing APR for College
18	Worked as Asst. test Administer ATA for GATE Exam
19	Worked as Asst. test Administer ATA for MBA CET

20	Worked as Asst. test Administer ATA for IIM Bangalore
21	Worked as Asst. test Administer ATA for SBI Exam
22	Worked as a Senior Supervisor Observer for University of Pune

Awards Received

S. No.	Awards
1	IUCEE Award Individual Honorary Member Certificate 2026
2	Received Award for “Best Student Services” By US Indus Foundation,
3	Six Sigma Black Belt Certification
4	TRIZ Level 1 Certification

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

Dr Nitin G Shekapure