



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra

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



Department of Computer Engineering

Faculty Profile

Mrs. Shikha J. Pachouly

Ph.D. (Computer Engineering) Pursuing

M.E. CSE(IT) BE CSE

DEAN, STUDENT'S AFFAIRS

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<https://scholar.google.co.in/citations?user=D8wT6tUAAAAJ&hl=en>

<https://www.linkedin.com/in/shikhapachouly/>



Research Areas/ Areas of Interest

Machine Learning, Deep Learning, Explainable Artificial Intelligence, ComputerNetwork

Personal Details

Date of Birth : 10/ 02 / 1981

Domicile: Maharashtra

Gender : Female

Blood Group: B+ve

Contact Details: C 204 ,Roseland Residency, Pimple Saudagar 411027

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	M.E.	Information Technology	Pune	First Class	May 2011
2	B.E.	Computer Engineering	RGPV Bhopal	First Class	May 2002

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	20	01
Total		20	01

Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Computer Network	UG	TE	04
2	Information and Cyber Security	UG	BE	02
3	Cloud Computing	PG	BE	02
3	Object Oriented and Multicore Programming	UG	SE	01
4	Business Intelligence	UG	BE	03
6	Database Management	UG	TE	02
7.	Cloud Computing	PG	ME	02

8.	<i>Fundamentals of Programming Languages I and II</i>	UG	FE	06
9.	<i>Fault Tolerance System</i>	PG	ME	02

Research Publications

	<i>National</i>	<i>International</i>	<i>State</i>	<i>SCI/ Scopus Indexed</i>	<i>UGC Approved</i>
Journals	02	31	00	03	19
Conferences	01	04	00		04

Publication Details (Journals)

<i>S. No</i>	<i>Document Details</i>	<i>Authors</i>	<i>Year</i>	<i>Source Details</i>	<i>ISBN/ ISSN</i>	<i>Publisher</i>
1	IoT and Computer Vision Efficient Parking Management in Urban Area Comprehensive Review	Mrs. Shikha Pachouly, Karan Solanki et all	2025	Volume 11, Issue 1, Jan-Feb-2025,	ISSN (Online): 2395-566X	International Journal of Scientific Research & Engineering Trends
2	An Integrated Smart Parking Using Vision-Based Occupancy and BLEBased Indoor Navigation	Mrs. Shikha Pachouly, Karan Solanki et all	2025	VOLUME 13 ISSUE 5, 2025	ISSN: 10123407	Journal of Technology

3	AI-Driven Personalized Streaming Music Recommendation System	Mrs. Shikha Pachouly, Ritesh Gadre et al	2025	VOLUME 13 ISSUE 5, 2025	ISSN: 1012340 7	Journal of Technology
4	Nirvana- Stress Relief Music Recommendation System	Mrs. Shikha Pachouly, Ritesh Gadre et al	2025	Volume 76	ISSN: 1879- 1719	Journal of Engineering and Technology Management
5	The Role of Explainability Driven Fashion Recommendation Model -	Mrs. Shikha Pachouly, Bablu Shinde et al	2024	IC Value: 45.98; SJ Impact Factor: 7.538 Volume 12 Issue I Jan 2024- Available at www.ijraset.com	ISSN: 2321- 9653	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
6	Fashion recommendation system using explainable AI	Mrs. Shikha Pachouly, Bablu Shinde et al	2024	VOLUME 12 ISSUE 5, 2024	ISSN: 1012340 7	Journal of Technology
7	Blockchain Based Fund Raiser & Splitter for Opensource Project	Punary Pawade, Rushikesh Nimlath, Atharva Patil, Dhopate, Mrs. Pachouly	2024	IC Value: 45.98; SJ Impact Factor: 7.538 Volume 12 Issue I Jan 2024- Available at www.ijraset.com	ISSN: 2321- 9653;	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
8	Blockchain Based Fund Raiser & Splitter for Opensource Project JOT- 5051	Mrs. Shikha Pachouly, Punary Pawade et al	2024	Volume 12 Issue 5	ISSN: 1012340 7	Journal of Technology

9	Blockchain Based Fund Ra Splitter for Opensource Project	Shikha Pachouly, Punarv Pawade et all	2023	Volume 12 Issue I Jan 2024- Available at www.ijraset.com IC Value: 45.98; SJ Impact Factor: 7.538	ISSN: 2321- 9653;	IJRASET
10	The Role of Explanability Driven Fashion Recommendation Model -	Mrs. Shikha J Pachouly, Aarya U Patil, Arpit P Zambare	2023	Volume 12 Issue I Jan 2024- Available at www.ijraset.com IC Value: 45.98; SJ Impact Factor: 7.538	ISSN: 2321- 9653;	IJRASET
11	Depression Detection of A1. Image and Text Using Mac Learning Technique	Mrs. Shikha Pachouly, Praveenkumar Saw, Pratik Nawale ,	2022	Volume: 06 Issue: 12 December - 2022 Impact Factor: 7.185 ©	ISSN: 2582- 3930	International Journal of Scientific Research in Engineering and Management (IJSREM)
12	Student general performar prediction using machine l algorithm	1.Shikha Pach Oul Shubham Zope Rupesh Rajput,	2022	Volume: 09 Issue: 1 2022 www.irjet.net	p-ISSN:	International Research Journal of Engineering and Technology (IRJET)
13	Man Machine Interaction in Autonomous Vehicles Volume 2, Issue 2, March 2022	1 Ajay Singh, Neha Agrwal, Shikha Pachoul	2022	International Journal Advanced Research Communication and Technology (IJARSC	ISSN (Or 2581-94	IJAR SCT
14	Prediction of House Price Machine Learning	Shikha Pachouly,Piyus h Choradia et al	2022	International Journal Research in Applied Engineering Technology -9653;	ISSN: 2321	(IJRASET) Volume 10 Issue II Feb 2022- Available at www.ijraset.com

15	Depression Detection on Twitter using Sentiment Analysis: A Machine Learning Approach	Prof. S. J. Pachouly1, Kshama Bute2, Gargee Raut3, Shruti Bhavsar4, Rushikesh Tambe5	May 2021	Research Journal of Engineering and Technology Volume: 08 Issue: 05 May2021 www.irjet.net	ISSN: 2395-0056 p-ISSN: 2395-0072	(IRJET)
16	Depression Detection on Social Media Network (Twitter) using Sentiment Analysis	Prof. S. J. Pachouly1, Gargee Raut2, Kshama Bute3	Jan 2021	International Research Journal of Engineering and Technology (IRJET) Vol 8 issue 1	e-issn 2395-0056 p-issn 2395-0072	(IRJET) Impact Factor 7.529 ISO 9001: 2008 Certified Journal
17	Implementation of Intelligent Model of Pneumonia Detection, using Deep Learning	Ms. Pallavi A Kanhere1, Mr. Vincent S. Dsouza2 Prof. Shikha Pachouly3	June 2021	International Research Journal of Engineering and Technology (IRJET) Volume: 08 Issue: 06	e-IS SN : 2395-0056	(IRJET) Impact Factor 7.529 ISO 9001: 2008 Certified Journal
18	Implementation of Intelligent Model of Pneumonia Detection, using Deep Learning	Ms. Pallavi A Kanhere1, Mr. Vincent S. Dsouza2 Prof. S. J. Pachouly3	Dec 2020 -	International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 8 Issue XII	ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429	(IJRASET)
19	Implementation of Intelligent Model of Pneumonia Detection, using Deep Learning	Ms. Pallavi A Kanhere 1, Mr. Vincent S. Dsouza2 Prof. S.	June 2021	International Research Journal of Engineering and Technology Volume: 08 Issue: 06 www.irjet.net	e-ISSN: 2395-0056 p-ISSN: 2395-0072	(IRJET)

		J. Pachouly 3				
20	UID based Payment Interface	Reetik Mathankar 1 , Vipul Karande2 , Rahul Hipparkar3 ,Prof. Shikha Pachouly3	2020	International Journal for Research in Applied Science & Engineering Technology Volume 8 Issue I, Jan 2020- Available at www.ijraset.com	ISSN: 2321- 9653; IC Value: 45.98; SJ Impact Factor: 7.177	(IJRASET)
21	Payment Interface using Face Recognition	Reetik Mathankar 1 , Vipul Karande2 , Rahul Hipparkar3 ,Prof. Shikha Pachouly3	2020	International Journal for Research in Applied Science & Engineering Technology Volume 8 Issue VI June 2020- Available at www.ijraset.com	ISSN: 2321- 9653; IC Value: 45.98; SJ Impact Factor: 7.429	(IJRASET)
22	UID based Payment Interface	Reetik Mathankar 1 , Vipul Karande2 , Rahul Hipparkar3 , Prof. Shikha Pachouly3	Jan 2020	(IJRASET; IC Value: 45.98; SJ Impact Factor: 7.177 Volume 8 Issue I,	ISSN: 2321- 9653	

23	Driver drowsiness detection using machine learning with visual behaviour	Shikha Pachouly ¹ , Neha Bhondve [#] , Ashutosh Dalvi ³	June 2020	International Journal of Creative Research Thoughts (IJCRT)	ISSN: 23320-2882.	
24	Video Steganography Using Encrypted Payload for Communication	Sneha Bidkar ^{Priyanka} , Gaikwad, Shweta Chousalka Prajakta Avhad ^{Prof} . Shikha Pachouly	May 2019	International Journal of Innovative Research in Science, Engineering and Technology	ISSN2319-8753	
25	A Survey on A Time-Specified Ciphertext-Policy Attribute-Based Encryption with circuit's Technique in Cloud Computing	Akash Labade, Shikha Pachouly	Dec 2017	International Journal of Innovative Research in Computer and Communication Engineering	ISSN 2320-9798	
26	Hindering data theft attacks through fog computing	Arbat Rashmi Vinod, Bhalke Sumit Sunildatta, Shikha J Pachouly	2016	IJRET: International Journal of Research in Engineering and Technology eISSN: 2319-1163 p	2321-7308	

27	Privacy preserving and detection of sensitive data over cloud	Pooja Pawar, Shikha Pachouly	2016	International Engineering Research Journal (IERJ) Volume 1 Issue 10 Page 1155-1158, 2015,	ISSN 2395-1621	
28	A robust and verifiable threshold multi authority	S K Attimani, Shikha Pachouly	2016	“International Journal of Innovative research in science Engineering and Technology Vol 5 issue 9	ISSN (Online) : 2319 – 8753 ISSN (Print): 2347 - 6710	
29	Data Security and policies in Cloud	Shikha pachouly , Puneet Kasundharkar	2015	International journal of science and research Volume 3 issue 12 ISSN 2319-7064	ISSN 2319-7064	IJSR
30	Automated Identity based Approach to verify Data Possession in Public Cloud	Shikha Pachouly , pooja Nathu	2015	International Journal of Computer Applications(IJCA) (0975 – 8887) Volume 121 – No.21	0975-8887	IJCA
31	ID Based Automated Data	Shikha Pachouly, pooja Nathu	2015	” International Journal of Advanced	ISSN-09759646	IJARCET

	ID Based Automated Data Integrity Checking Model			Research in Computer Engineering & Technology (IJARCET) Volume 4 Issue 9,		
32	A Comparative Analysis of Provable Data Possession Schemes in Cloud”	Shikha Pachouly, pooja Nathu	2014	IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 5 (6) , 2014,.	7927-7931	IJCSIT
33	Load Balancing in Cloud Computing	Ankita Fale, Sagar Aghav, Shikha Pachouly	2014	IJARCSSE Volume 4, Issue 2, February 2014 Page 544	ISSN 2277-128X	IJCSIT

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Relational Design Patterns – An empirical study of Industry code.	S J Pachouly, H M Jadhav	2009	International conference ITECH - 2009	9789351072928	SCOE, Pune
2	“Integration of Legacy Applications Remote Procedure Call (RPC) as Services in Service Oriented Architecture(SOA) ”	S.J.Pachouly and Prof.H.M.Jadhav	2010	NCPC2010	978-1-4673-4550-7	sponsored by IEEE, in Sinhgad College of Engineering. Pune

Books Published						
3	Automated data security provision in public cloud based on ID-RDPC	Shikha Pachouly	2015	Innovation 2017, PICT, Pune 15 nov 2017		PICT Pune

PhD / ME / BE Student Guided for Project

<i>Level</i>	<i>Ph.D.</i>	<i>M.E. (PG)</i>	<i>B.E. (UG)</i>
<i>No. of Student guided</i>	-	-	-

Professional Memberships

<i>Professional Body</i>	<i>Level (National/ International)</i>	<i>Type (Fellow/Life/Annual)</i>	<i>Membership No.</i>
ISTE	International	Life	LM122575
IREF	International	Till Dec 2020	M-99876
IETE	International	Life	No :M-502327
SESI	International	Life	LM/2530/2021

Patents/IPR Filed/Granted

<i>S. No</i>	<i>Investigator Details</i>	<i>Title</i>	<i>Year</i>	<i>Status (Filed/Granted)</i>	<i>Details</i>

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Fundamentals of programming language I F.E.(Sem I)	Success Publication	978-93-5158-421-6

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Successfully Organized an National Level Faculty Development Program on Cloud Infrastructure and AWS	<i>FDP</i>	21 Aug 2023 To 25 Aug 2023	<i>National</i>	Braion O Vision Solutions
2	Successfully Organized an Art Competition by Magazine Department with Title Today's India renewing our tryst with Destiny	<i>Competition</i>	19to 24 th January 2022	<i>National</i>	Magazine AISSMSCOE
3	Successfully Organized Second Event of Authors meet.	<i>Seminar</i>	1 April 2022	<i>National</i>	Magazine AISSMSCOE
4	Successfully Organized National Level Faculty Development Program on Amazon Web Services	<i>FDP</i>	22 Aug 2022 to 27 Aug 2022	<i>National</i>	Braion O Vision Solutions
4	Successfully Organized YUVAWANI Authors meet Inaugration Function at 12 Sep 2020.	<i>Seminar</i>	Sep 2021	<i>National</i>	AISSMSCOE
5	Successfully Organized a Webinar on "Empowering students to be Future Ready "By Magazine Committee of	<i>Webinar</i>	1 Day	<i>National</i>	AISSMSCOE

	AISSMSCOE at 12 Sep 2020.				
6	Successfully Organized a Webinar on “Empowering Women Professionals “By Vishakha Committee of AISSMSCOE at 4 th Sep 2020.	Webinar	1 Day	National	AISSMSCOE
7	Successfully Organized a Workshop on “Cyber Security “Computer Engineering Department on 15 Sep 2020.	Workshop	1 Day	National	AISSMSCOE
8	Successfully Conducted First Inaugural Event of PARAMARSH 2020 as a Part of Media Team on June 15 2020 On the Occasion of Rajshri Shahu MAharaj Jayanti.	Webinar	1 Day	National	AISSMSCOE
9	Successfully Conducted Second Event of PARAMARSH 2020 as a Part of Media Team on July 7 2020 On the topic Career Opportunities after 12 th guidance and counselling by Dr Durgesh Mangeshkar	Webinar	1 Day	National	AISSMSCOE

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	AISSMSCOE	Innovation Preserve or Innovate TEDX Talk	International	9/04/2025
2	AISSMSCOE	Importance of social Media Handling	Institute	17/11/2022
3	AISSMSCOE		Institute	30/12/2021
4	IOM,AISSMSCOE	Management information System	Institute	2015-2016

Details of Workshop/STTP/FDP/Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	One week International Level FDP on Business Analytics	FDP	5 th to 9 th Feb 2024	MMCOE	Excel IR Pvt Ltd
2	One week National Level FDP on Cloud Infrastructure	FDP	21 aug to 25 aug 2023	AICTE	Braino vision
3	Attended Five Days FDP on Software based case studies for development of multi disciplinary projects	FDP	22-11 2022 to 26-11- 2022.	National	AISSMSCOE
4	ATAL Online Elementary FDP on Design Thinking: Aspirations for Innovations"	FDP	29Nov 2021 to 3 rd. Dec 2021	National	AISSMSCOE
5	ATAL FDP on "OUTCOME BASED CURRICULUM AND EXAMIN REFORMS	FDP	. 25 Oct to 29 Oct 2021	National	B.V.V.S.Polytechnic(Bagalkot),Baga lkot
6	Atal FDP on Cyber Security.	FDP	1 Feb 2021-5Feb 2021	National	Jawaharlal Nehru National College of Engineering.
7	FDP on Software based software based case study	FDP	22Nov 2021 to 26 Nov 2022	AISSMSCOE	AISSMSCOE
8	Webinar on “Cyber Security” in Computer engineering department on 31 May 2020.	Webinar	1 Day	National	
9	Webinar on “Industry 4.0 opportunities and Challenges” by Magazine Committee in association with Computer engineering department on 17 June 2020.	Webinar	1 Day	National	
10	Python 3.4.3	FDP	27 th Apr- 2 nd May 2020	PICT,Pune	National Mission on Education through ICT,MHRD,Gov of India

11	<i>“Modern Technology and Self Development”</i>	<i>FSDP</i>	<i>8th to 10th June 2020.</i>	<i>AISSMSCOE Computer Department Pune</i>	
12	<i>FDP on NAAC Awareness Program</i>	<i>FDP</i>	<i>8th may to 14th May 2020</i>	<i>MMIOT Lohgaon</i>	<i>MMIOT Lohgaon</i>
13	<i>FDP on Java Business Application</i>	<i>FDP</i>	<i>2nd May 2020</i>	<i>RMDCOE, Pune</i>	<i>Spoken tutorial</i>
14	<i>FDP on Python 3.4.3 by organized by Pune</i>	<i>FDP</i>	<i>30th April 2020</i>	<i>NBNSSOE,</i>	<i>Spoken tutorial</i>
15	<i>High Performance Computing</i>	<i>Webinar</i>	<i>26 may 2020</i>	<i>saveetha engineering college Chennai</i>	
16	<i>Webinar by on Topic “Knowledge sharing on A to Z of Journal Publication” on</i>	<i>Webinar</i>	<i>30th may 2020.</i>		<i>IFERP</i>
17	<i>Webinar on Topic “Virtual Interactive classroom for teachers post COVID 19 Era” on Attended an</i>	<i>Webinar</i>	<i>5th June 2020.</i>		<i>IFERP</i>
18	<i>FDP on "Innovative practice and reform in higher education" by</i>	<i>FDP</i>	<i>22 may 2020</i>	<i>Electronics Department AISSMSCOE</i>	<i>Electronics Department AISSMSCOE</i>

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	<i>Working as central Magazine In charge AISSMSCOE from year 2019 till today.</i>
2	<i>Working as a member of Central Vishakha committee for Women</i>
3	<i>Worked as Project coordinator for 2019-2020</i>
4	<i>Working as a member of Central Media committee of Institute from last 3 years</i>
5	<i>Worked As a GFM, Cultural coordinator of department</i>

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

S J PACHOULY

(Name with Signature)