



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 Computer Engineering

FACULTY PROFILE

Personal Details

1. Name of the teaching Staff: - Dr. Shashakant V. Athawale
2. Designation: - Associate Professor
3. Department: Computer Engineering
4. Area of Interest: Computer Network, Wireless Security
5. Contact details: Flat No 506, Sukhniwas ,Sukhasager nager ,Pune-411046 eMail, Phone No: svathawale@aissmscoe.com_9823193486
6. Blood group; AB+ve
7. DOB: 06/10/1977
8. Domicile: Indian
9. Gender: Male
10. Website/links: Linkdin/google scholar /scopus etc.:
http://aissmscoe.com/wp-content/uploads/2017/07/6_Profile_S_V_Athawale.pdf



11. Date of Joining: 30/07/2005

Academic Background

Sr. No.	Qualification	Specialization	University	Class/Grade	Year of passing
1	Ph.D.	Wireless Security	Amaravti		2020
2	M.E./PG	Comp	BVP Pune	First Class	2011
3	B.E./UG	Comp	Amaravti	First Class	2004

Work Experience

Sr No	Name of Organization	Designation	Period
1	AISSMS College of Engineering, Pune-01	Lecture	30-07-2005
2	AISSMS College of Engineering, Pune-01	Assistant Professor	01-01-2012
3	AISSMS College of Engineering, Pune-01	Associate Professor	10-07-2023

Subjects/Courses Taught

Sr. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times subject taught
1	Computer Networks	UG	TE	05
2	Design and Analysis of algorithm	UG	BE	05
3	Advance Unix programming	PG	ME	03

4	Advance computer architecture	UG	BE	02
5	Principle of problem solving	UG	SE	02
6	Computer Network	UG	TE-Syllabus changed	01
7	Design and Analysis of algorithm	UG	TE- Syllabus Changed	02

Responsibilities handled at Institute/university (On various bodies/chairman etc.)

Sr No	Responsibilities held	year
1	College Smart board In charge	2015-tilldate
2	Departmental Social In charge	2016-tilldate
3	Departmental Criteria IV coordinator	2017-18
4	College Central Facility In charge	2016-17

ResearchAreas/ Areas of Interest

- [1] **S V Athawale and D N Chaudhari**, “IPS for Wireless LANs at Layer 3”, International Journal of Advance Research in Computer Science and Software Engg (IJARCSSE) , ISSN: 2277-128x, vol-3, issue-9,2013.

- [2] **S V Athawale and D N Chaudhari**, “Agent based IPS for WLAN”,International Journal of Computer Applications (IJCA) , ISSN: 0975 – 8887 , Volume 79 – issue-5, 2013.

- [3] **S V Athawale et al.**, “Performance Analysis of RPL for Low Power and Lossy Networks: A Survey”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), ISSN: 2277 128X, Volume 6, Issue 1, 2016.

- [4] **S V Athawale and Sayalee Shinde**,“Review on Intrusion Detection and Prevention System”, published in International Journal Of Engineering And Computer Science (IJECS), ISSN: 2319-7242,Vol 5 ,issue 11, 2016.

- [5] **S V Athawale and M A Pund**, “The Modern Approach in Wireless Intrusion Prevention System for Ad hoc Network: A Target Oriented Approach” ,Published in International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE) ,ISSN: 2277 128X, Volume 7, Issue 2, 2017.

- [6] **S V Athawale and R. U. Patil**, “An Enhance Network Security by Inhibited way in Wireless Ad Hoc Network: A Review”, Published in International Research Journal of Engineering and Technology (IRJET) , ISSN: 2395 - 0056,Volume: 03, Issue 11, 2016.

- [7] **S V Athawale**,” EEWIPS: An Enactment Evaluation of Wireless Intrusion Prevention System for Wireless LAN”, ISSN: 2395-1052, Volume 3 Issue 11 – NOVEMBER 2017.

- [8] **S V Athawale** “An Improved Network-based Intrusion Detection System for Virtual Private Networks”, Journal of Information and Computing Science, ISSN 1746-7659, Volume. 13, No. 2, 2018.

- [9] **S V Athawale et al.**” Shrewd Heart Disease Prediction System by utilizing Machine Learning and Data Mining Techniques” International Journal of Advance Computational Science and Engineering Technology ISSN NO: 2582-323X, Volume: 2, Issue: 6, Page No: 1-7, 2020.

- [10] **S V Athawale et al.**” Support Vector Regression for Mobile Target Localization in Indoor Environments” MDPI Sensors ISSN NO: 1424-8220, Volume 22, Issue 1, 10.3390/s22010358, Page No: 1-19, 2022.

- [11] **S V Athawale et al.**” Improved resilience of secret sharing scheme with augmented multifarious features” International Journal of Information Technology, Springer Volume: 2, Issue: 5, Page No: 1-10, 2022.

- [12] **S V Athawale et al.**” Nonlinear Network Speech Recognition Structure in a

Deep Learning Algorithm” Computational Intelligence and Neuroscience Hindawi, Volume: 3, Issue: 7, Page No: 1-16, 2022.

- [13] **S V Athawale** et al.” Blockchain-Based Optimization Model for Evaluating Psychological Mental Disease and Mental Fitness” Computational Intelligence and Neuroscience Hindawi, Volume: 5, Issue: 9, Page No: 1-14, 2022.
- [14] **S V Athawale** Support Vector Regression for Mobile Target Localization in Indoor Environments MDPI sensors Volume 22 Issue 358 Page 1-19 4 January 2022.
- [15] **S V Athawale** Nonlinear Network Speech Recognition Structure in a Deep Learning Algorithm Computational Intelligence and Neuroscience, Special Issue/I-7 24 March 2022.
- [16] **S V Athawale** THWSN: Enhanced Energy-Efficient Clustering Approach for Three-Tier Heterogeneous Wireless Sensor Networks IEEE Sensors Journals Volume 22 Issue 20 Page 20052-20062 15 October 2022.
- [17] **S V Athawale** Blockchain- Based Optimization Model for Evaluating psychological Mental Disease and Mental Fitness Computational Intelligence and Neuroscience, Hindawi 2022 Special Issue Page 1-9 14 July 2022.
- [18] **S V Athawale** Improved resilience of secret sharing scheme with augmented multifarious features Interactional Journal of Information Technology, Springer 2022 14 May 2022.
- [19] **S V Athawale** Cloud Computing based Wireless Sensor Network in Data Transmission With Routing Analysis Protocol and Deep Learn Intelligent Systems and Applications in Engineering 2023 Issue 11 (3s) Page 165-169 4 February 2023.
- [20] **S V Athawale** Cluster Based Grid Computing with Privacy Preserving Optimization Using Deep Learning Technique Intelligent Systems and Applications in Engineering Volume 10 Issue 10(2s) Page 272-275 20 November 2022.
- [21] **S V Athawale** Sentiment Analysis of Customer Review using Pre-tra Models Intelligent Systems and Applications in Engineering Volume 11 Issue 7 S Page 614 - 620 12 June 2023.
- [22] **S V Athawale** Novel Buried Threat Detection with Convolution Neural Networks and Recurrent Neural Networks Better Approach International Journal of Mechanical Engineering,Kalahari journals Volume 6 Special Issue Page 1057-1063 Nov-Dec 2021.
- [23] **S V Athawale** Growth Prospects of Franchising Under Current Business Scenario Webology Volume 19 Issue 1 Page 4006-4026 January,2022.
- [24] An Advanced Buried Threat Detection Using Convolutional Neural Networks and Recurrent Neural NetworksInternational Journal of
- [25] **S V Athawale** Mechanical Engineering,Kalahari journals Volume 7 Special Issue Page 878-883 March,2022.

- [26] **S V Athawale** Modern Land Registration and Transactions using Block chain International Journal of Mechanical Engineering, Kalahari journals Volume 7 Special Issue 5 Page 444-448. April-May, 2022.
- [27] **S V Athawale** Decentralized Application Using Block chain for Land Registration International Journal of Mechanical Engineering, Kalahari journals Volume 7 Special Issue 5 Page 444-448 April-May, 2022.
- [28] **S V Athawale** Developing Virtual Reality Apps to Enhance Tourism The Ciencia & Engenharia- Science & Engineering Journal Volume 11 Issue 1 Page 65-68 March,2023.
- [29] **S V Athawale** Optimizing Surplus Resources To Private Cloud The Ciencia & Engenharia- Science & Engineering Journal Volume 11 Issue 1 Page 55-64 May,2023.
- [30] **S V Athawale** Convolutional Neural Networks using KER Detection and Emotion Recognition The Ciencia & Engenharia- Science & Engineering Journal Volume 11 Issue 1 Page 48—54 February ,2023.
- [31] **S V Athawale** Collateral Extension in Provocation of Security in IOTInternational Journal of Future Generation Communication and Networking Volume 14 Issue 1 Page 3703-3716 March, 2021.
- [32] **S V Athawale** Multi-Class Skin Diseases Classification Using Hybrid Deep Convolutional Neural Network International Journal Of Intelligent Systems And Applications In Engineering volume 11 Issue 10S Page 11-22 27 July 2023.
- [33] **S V Athawale** Strengths of Computational Systems of Techniques Using Artificial Intelligence in Machine Learning International Journal of System of Systems Engineering by Inder Science 2024.
- [34] **S V Athawale** Securing Smartphone User Authentication using Teeth Pattern TIJER - International Research Journal.Requirement Based Service Providing System International Journal of Management, IT & Engineering Volume 13 Issue 09 Page 52-58 10 September 2023.
- [35] **S V Athawale** Blockchain-Based Lightweight Authentication Protocol for Next-Generation Trustworthy Internet of Vehicles Communication IEEE Transactions on Consumer Electronics Volume 1 Issue 1 Page 1-1 16 January 2024.
- [36] **S V Athawale** Enhanced ubiquitous system architecture for securing healthcare IoT using efficient authentication and encryption International Journal of Data Science and Analytics Springer Regular Paper 2 January 2024.
- [37] **S V Athawale** Experimental and simulation research on the difference in motion technology levels based on nonlinear characteristics Nonlinear Engineering DE GRUYTER Volume 11 Issue 1 Page 629–636 22 November 2022.
- [38] **Shashikant V. Athawale** A New Frontier in Tomographic Image Reconstruction using Deep Learning Journal of Technology Volume 13 Issue 2 , Page 621-629, 2025.
- [39] **Shashikant V. Athawale** Computer- Aided Faulty Solar Panel Detection using Deep Learning Volume 11 Issue 1, Page 1-11,2025.
- [40] **Shashikant V. Athawale** AI-Based Natural Disaster Detection using CNN Journal of Engineering Technology Management, Volume 76 Issue 2 Page1-11,2025

- [41] **Shashikant V. Athawale** Comparative Analysis of 2D- CAD Comparison with Custom-Trained Computer Vision Models Metallurgical and Materials Engineering, Volume 3 Issue 2, Pages 21-29,2025.
- [42] **Shashikant V. Athawale** Enhancing Real Time Attendance Systems with Anti-Spoofing and Liveness Detection Journal of Technology, Volume 13 Issue 5, Pages 209-220,2025.

Publication Details (Conferences)

- [1] **S V Athawale and D N Chaudhari**, “Towards effective client-serverbased advent intrusion prevention system for WLAN ”, IEEE International Conference on Computer, Communication and Control (IC4-2015),Indore, India, Publication IEEE , September 13 -15, 2015.
- [2] **S V Athawale et al.**,“A New Multilevel System to Mitigate DDoS, Brute force and SQL Injection Attacks for Cloud Security”, International Conference on Information, Communication, Instrumentation and Control (ICICIC – 2017) ,Indore, India, Publication IEEE September 15-17,2017.
- [3] **S. V. Athawale and M. A. Pund**, “ NGIPS: The road map of next generation intrusion prevention system for wireless LAN”,1st International Conference on Intelligent Systems and Information Management (ICISIM-2017), Aurangabad,India,Publication IEEE October 5-6, 2017.
- [4] **S V. Athawale** ,” Next Generation Intrusion detection and Prevention System for Wireless Ad Hoc Network” ISBN 13:978-93-87278-67-7.2019.

PhD / ME / BE Student Guided for Project

Sr. No	Title	University / Company	Year
1	Fuzzy Vault security system	For student of BE (Computer Engg) Pune University	July 2014
2	Layer 3 NXTgen IPS for Wireless LANs	For student of BE (Computer Engg) Pune University	5, July 2015
3	RAP prevention System	For student of BE (Computer Engg) Pune University	April- June 2015
4	Designing Ideal Wifi Campus Area Network	For student of PGDIT Pune University	2017
5	Agile Software Development Methodology	For student of PGDIT Pune University	2016
6	Business Management System	For student of PGDIT Pune University	2017
7	Smart parking system	For student of BE (Computer Engg) Pune University	2017
8	Multilevel System to Mitigate DDoS, Brute force and SQL Injection Attacks for Cloud Security	For student of BE (Computer Engg) Pune University	2017
9	Smart Farming Plant Disease Recognition Using Model-based Statistical Features	For student of BE (Computer Engg) Pune University	2018
10	Plagiarism Detection an Approach towards Uniqueness of Data: A Survey	For student of BE (Computer Engg) Pune University	2018
11	Shrewd Heart Disease Prediction System by utilizing Machine Learning and Data Mining Techniques	For student of BE (Computer Engg) Pune University	2020
12	Securing Smart Phone User Authentication using Teeth Pattern.	For student of BE (Computer Engg) Pune University	2024

13	Requirement Based Service Providing system	For student of BE (Computer Engg) Pune University	2024
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Workshop/STTP/Seminar /FDP/attended

Sr. No	Conducted/Attend	Title of Program	Date & duration	Role/ Organized by/at
1	Attended	Mat lab & Simulink	AISSMS COE,Pune	10 th Nov 2005
2	Attended	Implementation of MPMC (HL) Lab	CumminsCOE,Pune	16 th Aug 2005
3	Attended	Implementation of CNL	VIT,Pune	20 th June 2006
4	Attended	Implementation of new syllabus of BE (OOMD& Elective)	SKNCOE,Pune	22 nd April 2008
5	Conducted	"Computer Network Administration"	AISSMS COE,Pune	24 th - 27 th March 2007
6	Conducted	"Linux Workshop "	AISSMS COE,Pune	24 th March 2009
7	Attended	"Network Security & LAW"	IOIT,PUNE	11,12 Sep 2012
8	Attended	Computer Network FDP	SKN Coe pune	
9	Resource Person	"FDP on principals of teaching and learning methodologies" "FDP on principals of Mathematical modeling"	SVP COE,Nagpur	3 rd & 4 th of May 2016
10	Resource Person	FDP onWireless Security	CELT Pvt pune	10 March 2017
11	Resource Person	CUDA Architecture	JSPM Narahe ,pune	12 March 2018
12	FDP Attended	Application Security by Satish Sreenivasaiiah	TCS SPD COE Web seminar, using WebEx	March 20, 2018
13	FDP Attended	Vision,PEO,PSO,PO,CO Mapping	AISSMS COE,Pune	10-15 June 2019

14	FDP Attended	Cyber Security	IOIT , COE,Pune	11-17 Feb 2019
15	FDP Attended	Outcome Comebased system	AISSMS COE,Pune	09-14 Dec 2019
16	FDP Attended	Promoting Quality Culturein Technical Institutions	AISSMS COE,Pune	25 th to 29 th May 2020
17	FDP Attended	EmergingTrends in Industry 4.0	Rajarshi Shahu College of Engineering, Pune	18 th May 2020 to 29 th May 2020
18	FDP Attended	Digital Transformation	AISSMS COE,Pune	11 th -13 th June 2020
19	FDP Attended	IPR	AISSMS COE,Pune	11 th -13th March 2021
20	FDP Attended	Learn, Unlearn and ReLearn-Effective and Quality Research Writing	Patrician College of Arts and Science	22 Nov to 28 Nov 2022
21	FDP Attended	Research Methodology : From Problem Formulation to Report Writing	Prof. Ram Meghe Institute of Technology and Research Badnera-Amravati	25 th to 30 th July 2022
22	FDP Attended	Big data analytics: Recent Trends,tools & Technology	Cummins College Of Engineering For Women	17 th -21 st April 2023
23	FDP Attended	Faculty development program on cloud Infrastructure AWS	AICTE	21 st to 25 th August 2023
24	FDP Attended	Advanced Excel for Data Analytics- Hands-on	PCET's Pimpri Chinchwad College of Engineering & Research, Ravet, Pune	7 th to 12 th August 2023
25	FDP Attended	National Intellectual Property Awareness Mission	Intellectual Property Office India	30 August 2023
26	FDP Attended	Education 4.0 in Higher education	VIIT, Pune	31 st July 2023 to 4 th August 2023
27	FDP Attended	Perl Scripting	IIT Mumbai spoke tutorial	9 Dec 24 to 14 Dec 24
28	FDP Attended	Orientation & Sensitization Programme Under Malaviya Mission Teacher Programme	Coimbatore Institute of Technology	06 March 2025 to 14 March 2025
29	FDP Attended	Nep orientation & sensitization program	Malaviya mission teacher GOI	6 March 25 to 14 March 25

Workshop/STTP/Seminar /FDP/Conference organized:

1. Organized FSDP (Faculty Student Development Program) June 8 to 10, 2020.
2. Organized National Faculty Development Program 5 to 10 Feb ,2023.
3. Organized National Level Tech Talk 18th January, 2025 (Saturday).

Contribution as Resource person :

- Invited as guest faculty in Indira College of engineering
- Invited as a guest faculty in Modern College of Engineering
- Invited as a guest faculty in AISSMS COEM 2017
- Invited as a guest faculty in Police Wireless Training Centre FEB 2017
- Invited as a guest faculty in Police Wireless Training Centre in June 2017
- Invited as a Panel expert CPF, carrier guidance India 13 July 2020.
- Invited as session chair multicon 2023
- Invited as session chair multicon 2024
- Invited as session chair Emerging Trends in Engineering and Technology Annual Journal,2025.

Reviewers: IEEE/ SPRINGER

- The IEEE International Conference on Computing, Analytics and Security Trends (CAST-2016).
- International Conference on Innovative Trends and Advances in Engineering and Technology (ICITAET-2019).
- International Conference on Intelligent Computing and Networking (IC-ICN-2020).
- Multicon 2021 Thakur College of Engineering and Technology Mumbai.
- Hindawi journal of healthcare engineering,2024

Responsibilities handled at University/institute

S. No.	Role and Responsibilities
1	Internet in charge 2016-2020
2	In charge- Hardware and upgradation
3	Engineering Today – 2015,2016,2017
4	Software and Networking
5	Guardian Faculty Member
6	NAAC Criteria 6 and NBA Criteria 5 In charge
7	Mentoring and Counselling of Students
8	HOD Compute Engineering 18 July 2023 – till date

1. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2016-17.
2. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2017-18.
3. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2018-19.
4. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2019-20.
5. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2021-22.
6. As Paper setter at Bharati vidyapeeth, Pune University Exam May 2023-24.

Awards

S. No.	Awards
1.	Young and Dynamic Researcher Award 2023 by Phoenix

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

Declaration:

Dr. Shashikant V Athawale