



AISSMS
COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Computer Engineering

Faculty Profile

Ms.Amruta S.Aphale



(Computer Engineering)

Assistant Professor

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Research Areas / Areas of Interest

Artificial Intelligence, Machine Learning, Data Science

Personal Details

Date of Birth: 09 / 02 / 1991

Domicile: Maharashtra

Gender: Female

Blood Group: A+

Contact Details: Shivtirtha Nagar, State Bank Society, Himalaya, D-5, Paud Road, Kothrud, Pune – 411038.

Academic Background

Sr. No.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	PhD	Computer-AIML	Kalinga, Raipur	Pursuing	--
2	MBA	AIML	DPU, Pune	Pursuing	
2	M.Tech	Computer Science	SPPU, Pune	1st Class with Distinction	2020
3	B.E.	Computer	SPPU, Pune	1st Class	2016

Work Experience

S. No.	Types of Experience	Years	Months
1	Teaching	4	6
2	Industry	4	0
3	Research	3	0
4	Other	0	0
Total		8	2

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No. of Times Subject Taught
1	Fundamentals of Data Structures	UG	SE	01
2	Software Engineering	UG	SE	01
3	Computer Networks	UG	SE	02
4	Database Management System	UG	SE	02
5	Computer Graphics	UG	SE	01
6	Fundamentals of Artificial Intelligence and Machine Learning	UG	SE	01

7	Humanity and Social Science	UG	SE	02
8	Business Communication Skills	UG	SE	02
9	Software Modeling and Design	UG	TE	01
10	Information Systems and Engineering Economics	UG	TE	01
11	Pattern Recognition	UG	TE	01
12	Artificial Neural Network	UG	TE	01
13	Systems Programming and Operating System	UG	TE	01
14	Artificial Intelligence and Robotics	UG	BE	01
15	Machine Learning	UG	BE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	07	03	00	02	00
Conferences	00	02	00	02	00

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1.	Predict loan approval in banking system machine learning approach for cooperative banks loan approval	AS Aphale, SR Shinde	2020/08	International Journal of Engineering Trends and Applications (IJETA)		IJETA
2	Automatic Microaneurysms Detection using Deep Learning from Fundus Images	Amruta Aphale, DR Pandey, KP Paradeshi	2023/06	INCET		ieee
3	Robust Approach for Detecting Haemorrhage and Microaneurysms from Fundus Images	A Aphale, DR Pandey, KP Paradeshi	2023/5/26	INCET		ieee
4	TEXT SUMMARIZATION	Kartik Rajendran, Pallavi Kasar, Shrushti Kharche, Amruta Aphale	2023	International Journal of Novel Research and Development IJNRD	2456-4184	IJNRD
5	FOREST FIRE DETECTION USING DATA SCIENCE AND CONVOLUTION NEURAL NETWORKS	Amruta Aphale, Aditya Dhumal, Srushti Bhujbal, Tanmay Pokalwar	2023	International Journal of Novel Research and Development IJNRD	2456-4184	IJNRD

6	Prediction of Depression using Convolutional Neural Networks from Audio Visual Expression	Bhagyashree Lambture, Amruta Aphale	2023	International Journal of Technology Engineering ART Mathematics Science	2583-1224	IJTEMS
7	Systematic Study on Recent Automatic Microaneurysm Detection for Diabetic Retinopathy	Amruta Aphale, Dr. Dev Ras Pande	2022/03	Journal of Advances in Science and Technology (JAST)	2230-9659	Ignited Minds Journals

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1	Automatic Microaneurysms Detection using Deep Learning from Fundus Images	A Aphale, DR Pandey, KP Paradeshi	2023	4th International Conference for Emerging Technology (INCET)	979-835033575-0	4th INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES (4th INCET 2023) Technical Co-Sponsored By IEEE BANGLORE SECTION
2	Robust Approach for Detecting Haemorrhage and Microaneurysms from Fundus Images	A Aphale, DR Pandey, KP Paradeshi	2023/5/26	4th International Conference for Emerging Technology (INCET)	979-835033575-0	4th INTERNATIONAL CONFERENCE OF EMERGING TECHNOLOGIES (4th INCET 2023) Technical Co-Sponsored By IEEE BANGLORE SECTION

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	14

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
Indian Society for Technical Education (ISTE)	National	Life time	LM 136049

Patents / IPR Filed / Granted

S. No	Investigator Details	Title			

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
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Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount

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

S. No	Title	Type	Duration	Level (State/National/International)	Sponsoring Agency
1	Data Science	online	1 week (6 th February 2023-10 th February 2023)	National	D.Y.Patil Institute of Engineering and Management, Akurdi
2	Data Structure and Algorithm	online	1 day (22 nd Feb 2022)	Natioinal	Artificial Intelligence and Data Science –Sandip Institute of Technology and Research

					center ,Nashik and BOS,SP PU
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Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level (National/Int/ State/Regional)	Date
1	All India Shree Shivaji Memorial Society-Alacrity	National Intercollege Swimming Competition	National	21 st Feb 2023

Details of Workshop / STTP / FDP / Conferences Attended

S. No.	Title	Type	Duration	Organizer	Sponsoring Agency
1	Data Science	online	1 week (6 th February 2023-10 th February 2023)	National	D.Y.Patil Institute of Engineering and Management, Akurdi
2	Data Structure and Algorithm	online	1 day (22 nd Feb 2022)	Natioinal	Artificial Intelligence and Data Science –Sandip Institute of Technology and Research center, Nashik and BOS, SP PU

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	GFM
2	Mentor
3	BE Project Guide
4	NBA Criteria 6 Coordinator
5	Internal Exam Coordinator

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.

A handwritten signature in blue ink that reads "Amruta". The signature is written in a cursive style and is underlined.

Ms.Amruta S.Aphale
(Name with Signature)