



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 Science & Engineering

Faculty Profile

Prof.Neha Amit Rai

MTech (Computer Science & Engineering)

Assistant Professor

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🌐 <https://scholar.google.co.in/citations?user=8nTGMEgAAAAJ&hl=en>

🌐 <https://www.linkedin.com/in/xxxx-xxxxxx-93b335b5/>



Research Areas / Areas of Interest

Artificial Intelligence, Machine Learning, Deep Learning

Personal Details

Date of Birth : 05 / 05 / 1986

Domicile: Maharashtra

Gender : Female

Blood Group: A+ve

Contact Details: C2-508, Belcastel Society Keshav Nagar Mundwa, Near Orbis School, Pune – 411036

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	M.Tech	Computer Science Engg.	Bhopal	I st	2011
2	B.E.	Computer Science Engg.	Bhopal	I st	2008

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	13	0
2	Research	00	00
3	Industry	0	0
4.	Others	--	--
Total		13	0

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Fundamental Of Prog. Lang	UG	FE	06
2	Data Structure	UG	SE	02
3	Discrete	UG	SE	03
4	PPL	UG	SE	01
5	Software Engineering	UG	SE	01
6	Theory Of Computation	UG	TE	03
4	Analysis & Design Of Algo.	UG	TE	01
6	Computer Network	UG	TE	02
7	Data Base Managment System	UG	TE	01

8	Artificial Intelligence	UG	TE	02
9	Natural language Processing	UG	BE	02
10	Machine Learning	UG	BE	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	1	01	02		7
Conferences	01	02			

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1	Smart Bin: A Smart Dustbin Solution for Smart Cities	Neha Rai	2025	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	e-ISSN: 2319-8753, p-ISSN: 2347-6710	
2	Towards Smarter Waste Management: A Review of IoT and ML in Dustbin Optimization	Neha Rai	2024	Journal of Technology	10123407	
3	Deep Learning Approaches for Brain Tumor Classification	Neha Rai	2024	<i>TIJER – International Research Journal</i> , Vol. 11, Issue 5, May 2024	ISSN: 2349-9249	
4	Optimizing Precision: Brain Tumor Detection	Neha Rai	2023	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	2321-9653	
5	Making Legal Contract Smart using Block Chain Technology	Neha Rai	2023	<i>International Journal of All Research Education and Scientific Methods (IJARESM)</i> , Vol. 11, Issue 5, May	ISSN: 2455-6211	

				2023		
6	Implementation of Alzheimer Disease Detection using Structural Images	Neha Rai	2023	<i>International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)</i> , Vol. 12, Issue 5, May 2023, DOI:10.15680/IJIRSET.2023.1205407	e-ISSN: 2319-8753, p-ISSN: 2347-6710	
7	Survey Towards Detection of Alzheimer's Disease using Structural Images	Neha Rai	2022	International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE)	e-ISSN: 2320-9801, p-ISSN: 2320-9798	
8	Medical Chatbot Using Machine Learning	Neha Rai	2021	Open Access International Journal of Science & Engineering (OAIJSE)	2456-3293	
9	Face Mask Detection Using Deep Learning	Neha Rai	2021	International Journal for Research & Development in Technology (IJRDT)	2349-3585	
10	Genetic Algorithm Based Intrusion Detection System	Neha Rai	2014	(IJCSIT)	ISSN 0975-9646	

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.						

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	20

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IETE	International	Life	AM-502273
ISTE	International	Life	LM 134164

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.				

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

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

01	“National Level One Week Faculty Development Program on Cloud Infrastructure (AWS)” 2023-24	Online	One Week	National	
02	“ONE WEEK NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAM ON AMAZON WEB SERVICES” 2022-23	Online	One Week	National	

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Recent Trends in Signal & Image Processing	Workshop	25 th &26 th Feb 2016	Institute Of Information Technology, Pune	BCUD, AISSMS College of Engg, Pune
2	ATAL Online Elementary FDP on Design Thinking: Aspirations for Innovations"	FDP	29Nov 2021 to 3 rd. Dec 2021	AISSMS COE	
3	ATAL FDP on "OUTCOME BASED CURRICULUM AND EXAMINATION REFORMS	FDP	25 Oct to 29 Oct 2021	B.V.V.S.Polytechnic Bagalkot), Bagalkot	

5	Atal FDP on Cyber Security.	FDP	1 Feb 2021- 5Feb 2021	National	Jawaharlal Nehru National College of Engineering
6	Voice Biometrics and Image Processing	IEEE Conference	19 th -21 st dec 2016	Institute Of Information Technology, Pune	IEEE
7	Computational Intelligence and Soft Computing(CISC-2012)	Conference	27 th & 28 th April	Jai Narain College Of Technology, Bhopal	Madhya Pradesh Council Of Science & Technology
8	Recent Developments in Wind and Solar Power	Conference	1 st &2 nd July 2011	Jai Narain College Of Technology, Bhopal	Ministry of New & Renewable Energy, New Delhi
9	Computational Intelligence and Communication Networks(CICN-2014)	International Conference	8 th Nov, 2014	LNCT Bhopal	IEEE
10	Data Mining and Optimization Techniques in Computer Engineering	Seminar	11 th &12 th Dec, 2014	AISSMS College of Engg, Pune	
11	Introduction to Big Data	Webinar	6 th Oct 2020	Shree Naryana Guru College, Coimbatore	

12	Block Chains and its Application	Webinar	13 th Oct, 2020	IBM	IBM,India Acadmic Program
13	“Ethics in Scientific Research”.	Webinar	10th Oct, 2020	Sree Narayana Guru College (SNGC), Coimbatore, Tamil Nadu	
14	"IFEES GEDC IUCEE: Post-Pandemic - How To Turn Everything We Learned From Virtual Labs Into A Hybrid Approach To Engg Education"	Webinar	14 th Oct, 2020		
15	BigData.	Webinar	6 th Oct,2020	Sree Narayana Guru College (SNGC), Coimbatore, Tamil Nadu	
16	Harassment of women in Digital Space	Webinar	16 th Oct, 2020	Sankara College of Science and Commerce,Coimbatore	National Commission for Women, Government of India
17	“Importance of Day to Day Life Nutrition “	Webinar	22/10/20	AISSMS COE	National service scheme
18	“Artificial Intelligence in Natural language processing”	Webinar	15/10/20-19/10/20	ATAL	AICTE Training And Learning (ATAL) Academy

19	Webinar on Robotics	Webinar	23/10/20	BVICAM, Delhi	IEEE Delhi section
22	Attending AICTE approved FDP on ML	FDP	19/10/20-24/10/20	DY PATIL COE, PUNE	AICTE
23	Engineering Pedagogy in Post Covid-19 Paradigm	FDP	19/10/20-20/10/20	Walchand College of Engineering Sangli	AICTE

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1.	GFM Of BE Computer .
2.	Mentor Coordinator of computer Department.
3.	Annual Yearly report Coordinator.
4.	Time Table Coordinator.
5.	Handling NBA CRETERIA VI.
6.	Department Media Team.

Awards Received

S. No.	Awards
01	Best Project Award during BE.

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

Neha Rai
(Assistant Professor)

