AISSMS COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

Accredited by NAAC with "A+" Grade

Department of Computer Engineering

Faculty Profile

Prof.Dr.Deepali M Ujalambkar

M.E(CN).PhD (CSE)

Assistant Professor

✉ dmujalambkar@aissmscoe.com

deepali.ujlambkar@gmail.com

☎ (020) 26058587; Extn: 1409

🔗 https://in.linkedin.com/in/deepali-ujlambkar-939a705a

Research Areas / Areas of Interest

Data Mining, Machine Learning, Computer Networks, Optical Networks.

Personal Details

Date of Birth:	17 / 08 / 1980	**Domicile:**	Maharashtra
Gender:	Female	**Blood Group:**	AB-ve
Contact Details:	E2-Flat No 703, Madhuban Housing Society, Kalas Road, Vishrantwadi, Pune –411015		

Academic Background

S. N0.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Computer Science & Engineering	SRTMU, Nanded	--	Sept 2021
2	M.E.	Computer Networks.	Pune	Ist	May 2012
3	B.E.	Computer Science & Engineering	Shivaji ,Kolhapur	Ist	May 2002

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	19	00
2	Research	00	00
3	Industry	1	8
4.	Others	--	--
Total		**20**	**8**

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Fundamentals of Programming Languages I & II	UG	FE (Mechanical)	2
2	Advanced Databases	UG	BE (Computer)	04
3	Multimedia Techniques	UG	BE (Computer)	04
4	Data Base Management Systems	UG	TE (Computer)	03
5	Operating System and administration	UG	BE (Computer)	02
6	Data Mining and Warehousing	UG	BE (Computer)	03
7.	Soft Computing and Optimization Algorithms	UG	BE (Computer)	02
8	Data Mining	PG	ME-I (Computer)	02
9	Information Retrieval	PG	ME-I (Computer)	02
10	Scalable Data Science	PG	ME-II(AIDS)	01
11	Cloud Computing	PG	ME-I (Computer)	02

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	00	25	00	8	05
Conferences	01	04		03	--

Publication Details

Sr. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN
1.	Enriching Feature Extraction for Cricket Video Event Detection	Deepali Bhawarthi and Prof Shriniwas Gadage	2012	International Journal of Engineering Research & Technology (IJERT)	, ISSN: 2278-0181
2	Enriching Feature Extraction Using A priory Algorithm forCricket Video	Deepali Bhawarthi and Prof Shriniwas Gadage	2012	International Journal of Engineering Research and Applications (IJERA)	ISSN: 2248-9622
3	A Handoff Technique for Wireless Heterogeneous Networks", , Vol. 5, Issue 4,	Deepali Ujalambkar and et al	2013	International Journal of Innovative Research and Studies	ISSN 2319-9725

4	Insight on Big Data: Scaling Paradigm	Deepali Ujalambkar	July 2015.	International Journal of Advanced Researchin Computer Science and Software Engineering	ISSN: 2277 128X
5	Big Data Mining Analysis Based on Opinion Classification Techniques: A survey	Deepali Ujalambkar	July2016	International Journal of Advanced Research in Computer Science and Software Engineering	ISSN: 2277 128X
6	Secured Aadhar Based ElectronicVoting System	Deepali Ujalambkar	December 2017.	International Journal for Research in Applied Science & Engineering Technology	ISSN: 2321-9653
7	Graphical Authentication forWeb Based Application	Deepali Ujalambkar et al	December 2017	International Journal of Advance Research, Ideas and Innovations in Technology	ISSN: 2454-132X
8	Door Lock System using Facial Recognition	Deepali Ujalambkar et al	2018	International Journal for Research in Applied Science & Engineering Technology	2321-9653
9	Artificial Intelligence for Music Composition	Deepali Ujalambkar et al	2019	NTERNATIONAL JOURNAL OF RESEARCH AND	2348-1269

				ANALYTICAL REVIEWS	
10	Survey on Plant Pathology DiseasePrediction	Deepali Ujalambkar	November 2019	International Journal of Advanced Researchin Computer Science and Software Engineering	ISSN: 2277 128X
11	A survey on detection of brain tumor using computer vision and machine learning technique.	Deepali Ujalambkar et al	March 2021	International Journal of Applied Research	2394-7500,
12	A Survey on Detection of Phishing Websites using Machine Learning	Deepali Ujalambkar et al	March 2021	International Journal of Advance Research and Innovative Ideas in Education	2395-4396
13	Detection of brain tumor using CNN and ML	Deepali Ujalambkar et al	March 2021	International Journal of Applied Research	2394-5869
14	Allocation of channels over optical burst switching (OBS) networks in smart cities using integrated statistical techniques".	Deepali Ujalambkar et al.,	March 2022	International Journal of System Assurance Engineering and Management	10.1007/s13198-021-01435-x.
15	Traffic prediction in optical burst switched networks using deep learning	Deepali Ujalambkar et al.,	Dec 2021	International Journal of Research and Analytical Review	2348-1269
16	Node Behavior Classification for Traffic Prediction in Optical Burst Switched	Deepali Ujalambkar et al.	February 2020	International Journalof Innovative Technology and Exploring	2278-3075

	Networks using Machine Learning			Engineering (IJITEE)	
17	Classification and Prediction of traffic in Optical Burst Switched Networks using Machine Learning Vol.	Deepali Ujalambkar et al.,	February 2020	International Journal of Future Generation Communication and Networking	2233 - 7857
18	Social Distancing and Face Mask Detection using Yolov4 andCNN	Deepali Ujalambkar et al.,	March -2022.	International Journal of All Research Education and Scientific Methods (IJARESM),	2455 - 6211
19	Pneumonia Detection using VGG19 on Chest X-ray Images	Deepali Ujalambkar et al.,	March -2022.	International Journal of All Research Education and Scientific Methods (IJARESM),	2455 - 6211
20	Cloud Data: Encryption and Auditing by A Third Party	Deepali Ujalambkar et.al.	2022	Journal Of Harbin Institute of Technology	0367 - 6234
21	Restaurant Reviews: Aspect-Based Sentiment Analysis Using Deep Learning and NLP Algorithm	Deepali Ujalambkar et.al	2022	Journal Of Harbin Institute of Technology	0367 - 6234
22	Evaluating And Classifying Human Posture: A Review	Deepali Ujalambkar et.al	2022	Journal of Pharmaceutical Negative Results	0976 - 9234
23	Ship Detection at Small Ports using CNN	Deepali Ujalambkar et.al	2023	The Indian Society for Technical Education (ISTE)	0971- 3034
24	Digitalization of Doctor's Handwritten Prescription using Optical Character Recognition (OCR)	Deepali Ujalambkar, Adarsh Bhosale, Chaitnaya Kulkarni, Dipti Shegar, Aditya Tandulwadkar, Purva Wagh	July 2023	The Indian Society for Technical Education (ISTE)	0971- 3034
25	Prediction of Compressive Strength of High Strength Concrete using Artificial Intelligence and Machine Learning Techniques	Dr. Vidya Nitin Patil, Dr. Deepali Milind Ujalambkar, Dr. Ganesh C. Chikute , Prajwal Gaikwad , Pankaj	OCT, 2023	MATERIAL SCIENCE AND TECHNOLOGY	1005- 0299

			R. Modak , Dr. Vivek S Chavhan			
26	Real-Time Dimension Detection using Customized Canny Edge Detection Algorithm	Deepali Ujalambkar et.al	2023	International Journal of Engineering Trends and Technology	231–5381

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Enriching Feature Extraction for Cricket Video Event Detection**.**	Deepali Bhawarthi and Prof Shriniwas Gadage,	2013	NC'NACT-2012,	978-81-920427-1-8	Indira College of Engineering and Management, Pune
2	Congestion Control in Optical Burst Switching Networks Using Differential Evolution Optimization	Deepali Ujalambkar et al	2019	Intelligent Computing and Communication Proceedings of 3rd ICICC 2019,		Springer
3	Congestion Aware Routing in Optical Burst Switched Network Using Spider Monkey Optimization.	Deepali Ujalambkar et al	2020	International Conference on Computational Performance Evaluation (ComPE), North-Eastern Hill University, Shillong, Meghalaya, India	978-1-7281-6644-5	IEEE
4	Performance Evaluation of Spider Monkey Optimization for congestion control in Optical Burst Switched Network	Deepali Ujalambkar et al,	2020	International Conference for Emerging Technology (INCET)	978-1-7281-6221-8/20	IEEE

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	2	30+

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IAENG	Inter National	Life	245619
ISTE	National	Life	LM122576

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	Dr Deepali Ujalambkar	Deep Learning Based Approach to Identify the Pros and Cons of Make in India Campaign on Indian Economy	2022	Published	The Patent Office Journal No. 42/2022 Dated 21/10/2022
2	Dr Deepali Ujalambkar	Intelligent Management System for Electricity Power Settlement of Electric Energy Power Station Using Block chain & Machine Learning.	2022	Granted	South Africa Patent No. 2022/11105
3	Dr Deepali Ujalambkar	Integration between IoT and Block chain	2022	Published	The Patent Office Journal No 202221077654, dated: 31/12/2022

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
1	Congestion control schemes in optical burst switched networks	Namya Press	9789355451743
2	Soft Computing	Nirali Publication	

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Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	Research Proposal			

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

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
1	Digital Transformation	STTP	3 days	National	AISSMSCOE
2	Making Right Choice	Webinar	2hrs	National	AISSMSCOE
3	Financial Nirvana	Webinar	2hrs	National	AISSMSCOE
4	Entrepreneurship as a career choice	Webinar	2hrs	National	AISSMSCOE
5	Cloud Automation	Webinar	2hrs	National	AISSMSCOE

Details of Worshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Swift programming language of Technology	FDP	12-16 May 2020	MET's Bhujbal Knowledge City,Nashik	National Mission onEducation through ICT,MHRD,Gov of India
2	Linux,	FDP	25th May - 29th May 2020	PVG	National Mission onEducation through ICT,MHRD,Gov of India
3	PHP and MySQL	FDP	8 th May to 13th May 2020	VIT Nashik	National Mission onEducation through ICT,MHRD,Gov of

					India
4	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessmentand Attainment	FDP	10-15 June 2019	AISSMS Collegeof Engg, Pune	ISTE
5	Programming forEverybody	Online Course	1May-20th May 2020	Coursera	University of Michigan
6	Emerging trends in Industry 4.0	FDP	18th -29 May 2020	JSPM	JSPM
7	Matlab based teaching-Learning in Mathematics science and Engineering	STTP	18th may 2020 to 22 may 2020	Ramrao Adik Institute of Technology, Nerul, Navi Mumba	Ramrao Adik Institute of Technology, Nerul, Navi Mumba
8	Opportunities and Challenges in industry 4.0	Technical Symposium	15th -17th June 2020	MIT, Aurangabad	MIT, Aurangabad
9	Modern Technologies and self-Development	FSDP	8th -10th June 2020	Computer Engineering Department, AISSMS COE	AISSMS COE
10	IOT and its Applications in Industry	STTP	8th -10th June 2020	RAIT, Navi Mumbai	RAIT, Navi Mumbai
11	Research Methodology: Tools and Techniques	Refresher course	23rd -28th November 2020	DNR College of Eng Technology, Bhimavaram, Andhra Pradesh	AICTE-ISTE
12	Information Security and Digital Forensics	STTP	14th -19th December 2020	Army Institute of Technology, Pune	AICTE
13	SciLab: An Effective Open-Source Tool for Computer Vision and Machine Learning	STTP	2nd -7th November 2020	Vidya Jyothi Institute of Technology, Hyderabad	AICTE
14	Artificial Intelligence	Refresher program	19th -24th October 2020	D Y Patil, COE, Akurdi, Pune	AICTE
15	Data Sciences	FDP	5th – 9th October	University College o Engineering(A).	AICTE

16	Internet of Things	FDP	1st-5th February 2021	Knowledge Institute Technology.	AICTE
17	Industrial Application of MATLAB	Refresher	11th-17th February 2021	Institute of Management and Technology, Damoh, Madhya Pradesh	AICTE
18	Scope of IOT and its applications in automotive and agriculture Industry	Refresher	22nd -27th February 2021	Govt college of Engineering and research, Awasari, Pune	AICTE
19	Predictive Analysis using artificial intelligence	STTP	4th -9th January 2021	NRI Institute of Technology, Hyderabad	AICTE
20	Computer Science & Biology	FDP	25th -29 January 2021	Kakatiya Institute of Technology And science.	AICTE
21	Leading to self Excellence	ATAL FDP	15th -19th October 2021	IIIT Delhi	AICTE
22	Enabling Entrepreneurship and startup mind set	AICTE FDP	16th – 20th August 2021	SGGS, Nanded	AICTE
23	Design Thinking: Aspirations for innovations	AICTE FDP	29th November – 3rd December 2021	AISSMS COE Pune	AICTE
24	3D Interaction design using AR-VR	Refresher course	23rd -29th December 2021	VPCCOE, Pune	AICTE
25	Big data computing	FDP	8 weeks	NPTEL	AICTE
26	STATISTICS	Faculty Orientation Program	17 February 2022	Department of Computer Engineering, IOE, BKC, Adgaon, Nashik	SPPU
27	Internet of Things	Faculty Orientation Program	22 February 2022.	Department of AI-DS, K. K. Wagh Engineering Education and Research, Nashik,	SPPU
28	Data Science & Big Data Analytics	FDP	08th February 2022	Department of Computer Engineering, I2IT	SPPU
29	Data Science and its applications	Orientation/ Refresher	30th Dec 2021 -5 January 2022	Abha Gaikwad-Patil Engineering, Nagpur	AICTE

30	Data Mining	NPTEL FDP	Feb-Aril 2022	IIT Madras	AICTE
31	Amazon Web Services	FDP	22nd -27th August 2022	Department of com engineering, aissms of engineering, pur collaboration with brainovision soluti pvt.ltd & all india technical education	AICTE
32	Machine learning and Deep learning using Python	FDP	2nd -6th August 2022	MET institute of computer science	MET institute of computer science
33	Recent trends in Computations	FDP	18th-23rd July 2022	VIT, Pune	VIT, Pune
34	AWS Academy Solutions Architect	Educator Training Certificate	17/08/2022	EDUSKILLS	
35	Laboratory Practice-IV	One Day Online Faculty Program	3rd August 2022.	MMIT	SPPU
36	Amazon Web Services	FDP	22nd August 2022 to 27th August 2022	BRAINOVISION SOLUTIONS INDIA PVT.LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE	BRAINOVISION SOL INDIA PVT.LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION – AICTE
37	Data Science using Machine Learning	FDP	2nd January 2023 to 6th January 2023	Pravara Rural Engineering College	ExcelR
38	Blockchain Technology and Its Use Cases	FDP	20th March, 2023 to 25th March, 2023	Marathwada Mitra Mandal's College of Engineering, Karvenagar, Pune	The Institution of Engineers (India)
39	RECENT TRENDS IN AI TOOLS	STTP	24/07/2023 to 28/07/2023	D Y Patil College of Engineering, Akurdi	D Y Patil College of Engineering
40	Building Advanced Analytic Applications with Cloud	FDP	29/01/2024 02/02/2024	EDUNET	AICTE

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Cultural In charge (2016-17,17-18,18-19)
2	Student Counselling Cell In charge (2012-2016)
3	PG Co-Ordinator
4	Women's Grievance cell member
5	Gymkhana Member (Sports and Cultural)
6	Autonomy cell member
7	ISO Committee cell member
8	Competitive examinations cell member
9	Department NAAC Coordinator

NPTEL Courses:
1) Database Management Systems (8 Weeks)
2) Introduction to soft computing (8 weeks)
3) Big Data computing (8 Weeks)
4) Social Networks (12 Weeks)
5) Introduction to Machine Learning (8 Weeks)
6) Educational Leadership (8 Weeks)
7) Data Mining (8 Weeks)
8) Yoga and Positive Psychology for Managing Career and Life (8 weeks)
9) Roadmap for Patent Creation (8 Weeks)

Coursera certification:
1) Programming for Everybody (Getting Started with Python)
2) AWS Fundamentals: Going Cloud-Native
3) Successful Negotiation: Essential Strategies and Skills.

Awards:
1) Savitribai Phule Excellence award for Best Researcher.

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

Dr Deepali Milind Ujalambkar