

Somaiya Vidyavihar University

Name: Dr Payal Aditya Varangaonkar			E-mail: payal.av@somaiya.edu		
Contact No. 9403097480					
Department/Section: Electronics Engineering					
College: K J Somaiya College of Engineering,Vidyavihar, Mumbai					
DOJ Somaiya: 18.09.2023		Career Experience:10 Yrs		Industry Experience:2.8 Yrs	
				Teaching Experience: 7.4 Yrs	
Present Academic Designation: Assistant Professor			Present Administrative Designation: -		

Area of research/specialization and Courses Delivered					
Research domain/interests/areas 1. Artificial Intelligence and Machine Learning 2. Remote Sensing, Image Processing Courses Delivered 1. Machine Learning 2. Python Programming 3. Mobile Computing 4. Digital Logic Design 5. Data Science					

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D :
Details of Recognitions – Assistant Professor			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Electronics and Telecommunication	Sant Gadge Baba Amravati University	Sipna COET, Amravati	2023	
PG	Electronics and Telecommunication	Sant Gadge Baba Amravati University	Prof. Ram Meghe Institute of Technology and Research, Amravati	2015	71.87
UG	Electronics and Telecommunication	Sant Gadge Baba Amravati University	Sipna COET, Amravati	2011	78.15
Diploma	-				
NET/SET/Other	PET- Electronics and Telecommunication	Sant Gadge Baba Amravati University	Sant Gadge Baba Amravati University	2018	Passed

Notable Experience Details					
Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1	K J Somaiya College of Engineering, Mumbai	Assistant Professor	18/9/2023	Till Now	1 Y
2	K J Somaiya Institute of Technology, Sion, Mumbai.	Assistant Professor	15/07/2022	15/09/2023	1 Y
3	RGIT Mumbai	Assistant Professor	1/9/2021	31/5/2022	9M

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4	Khadi and Village Industries Commission, Government of India, Mumbai.	Senior Consultant (S&T)	11/01/2021	30/08/2021	8 M
5	Atharva College of Engineering ,Mumbai.	Assistant Professor	9/07/2015	4/06/2018	3 Y
6	Renuka Industries MIDC Amravati	Production Supervisor	1/6/2014	31/5/2015	1 Y
7	PRMIT& R Amravati	Leturer	1/8/2012	30/4/2014	1.5Y
8	Renuka Industries MIDC Amravati	Production Supervisor	1/7/2011	30/6/2012	1Y

Research Accomplishments and Projects		
No of students pursuing Ph.D as on date:0		No of students completed Ph.D as on date:0
No of students completed PG thesis / Project work as on date:0		No of students / groups completed UG projects as on date:0
Publications Total:4	Number of Peer review Journal papers:3	Number of Conference papers:1
Details of Publications: International Journals <ol style="list-style-type: none"> 1. Lightweight deep learning model for automatic landslide prediction and localization. 2. Methods of Landslide Detection using GIS and Remote Sensing Images. 3. Landslide prediction with severity analysis using efficient computer vision and soft computing algorithms National Journals <ol style="list-style-type: none"> 1. 0 Conferences <ol style="list-style-type: none"> 1. Research on Efficient Landslide Prediction Approaches using Machine Learning Techniques. Books/Book Chapters <ol style="list-style-type: none"> 1. 0 		
Patents/Copy Rights <ol style="list-style-type: none"> 1. 1 Copyright- Copyright Registered for research project “Design of Prediction Model for Landslide Area from Remotely Sensed Satellite Images Using Deep Learning Approach” with registration no. SW-16599/2023 on 14 th June 2023. 		
No of Research / consultancy / projects completed:0 Rs:_____	No of Research / consultancy / projects on-going:1 Rs:_____	No of Research / consultancy / projects on applied as on date:0 Rs:_____
Details of Research / consultancy / projects: Comprehensive soil analysis for enhanced cotton crop cultivation Completed -0 On-going- 0 Applied - 0		
IPR/ Copyrights <ol style="list-style-type: none"> 2. Copyright Registered for research project “Design of Prediction Model for Landslide Area from Remotely Sensed Satellite Images Using Deep Learning Approach” with registration no. SW-16599/2023 on 14 th June 2023. 		

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
Attended <ol style="list-style-type: none"> 1. One-week online FDP on Data Science, organized by Department of Artificial Intelligence &

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<p>Data Science, Computer Engineering, Dr. D Y Patil Institute of Engineering and Management Research, Akurdi. Date :- 6th February 2023 to 10th February 2023.</p> <p>2. Five Day online FDP titled & “Environmental Engineering & Sustainability - Research, Technologies and Challenges” from 27th February 2023 to 3rd March 2023, jointly organised by the Department of Civil Engineering, Nitte Meenakshi Institute of Technology, Bengaluru and Prakruthi Institute of Environmental Studies, Bengaluru, under Skill Council for Green Jobs, Govt. of India.</p>
<p>Organized</p> <p>1. Industry Interaction Session on "C-DAC e-Governance Products & Services” ,Jan 2024</p>
<p>Delivered</p> <p>1. Workshop on ‘Arduino and sensors” at Summer School, SVU, May 2024</p>

Notable Key Scholastic Achievements	
1.	Certificate of Recognition: In recognition of outstanding contribution as a Distinguished Speaker of the presentation entitled Research on Efficient Landslide Prediction Approaches using Machine Learning Techniques at Virtual Event - 2 nd Global Summit on Advances in Earth Science and Climate Change held during September 15-16, 2023 Peers Alley Media, 1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada.
2.	“Introduction to Machine Learning” , IITK, NPTEL Online Certification Course (Elite), July-September-2022.
3.	Merit Certificate for 6th University rank in BE EXTC from SGBAU Amravati University.
4.	Young Women Researcher Award in Remote Sensing by VIWA International Foundation, Chennai, March 2024
5.	“Remote sensing and GIS” IITG, NPTEL Online Certification Course, July September-2024

Notable Positions and Responsibility	
1.	Responsibility- Faculty and Student achievement, Internship co-coordinator, Academic Coordinator, Mini Project coordinator

Date: 04 /10 / 2024

Member

Signature of Faculty