Somaiya Vidyavihar University

Name: Snigdha Bangal	**E-mail: snigdha.b@somaiya.edu**
Contact No: 9920096449	
Department/Section: Information Technology	
College: K J Somaiya College of Engineering	

DOJ Somaiya:	Career Experience:12 Yrs	Industry Experience : --	Teaching Experience: **12 Yrs**
Present Academic Designation: Assistant Professor		Present Administrative Designation:	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
1. Data Structures
2. Machine Learning

Courses Delivered
3. Data Structures
4. C Programming
5. Operating Systems
6. Theory of Computation
7. Software Testing
8. Software engineering
9. Data Analysis using Python Advanced
10. Natural Language Processing

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
PhD(pursuing)	PhD (IT)	Somaiya University	KJSCE, Vidyavihar	2024	-
PG	M.E	Mumbai University	VESIT, Chembur	2013	62%
UG	B.E	Mumbai University	KJSCE, Vidyavihar	2008	61%

Notable Experience Details

Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	SVPP, Borivali	Lecturer	7/1/2009	14/82010	1.5
2.	PVPP, Sion	Lecture	4/8/2011	5/2/2012	0.5
3.	KJSIT, Sion	Lecturer	6/2/2012	5/5/2012	0.3
4.	ACOE, Malad	Assistant Professor	26/12/2013	14/1/2022	8.1
5.	KJSCE, Vidyavihar	Assistant Professor	17/1/2022	Till date	2.5

Research Accomplishments and Projects	
No of students pursuing Ph.D as on date: -	No of students completed Ph.D as on date: -
No of students completed PG thesis / Project work as on date: -	No of students / groups completed UG projects as on date: 06
Publications Total:12	Number of Peer review Journal papers: - 01	Number of Conference papers: 6

Details of Publications:

International Journals

1. Nishin D., Preshita K. Snigdha B.(2015). "Fire Detection using Image Processing" IJRIT, Vol 3, Issue 3.

2. Varsha A. Snigdha B.(2016), "Android Blood Bank" , IJARCCE Vol 4 Issue 11 Nov. 2016

3. Snigdha B, Satish B., Vijya Sagvekar (2017). "Real Time Driver's Eyes Status Detection System" , ICIATE and IJERT 2017.

4. Yash Kumar, Akhil Talashi, Snigdha Bangal (2017). "Public Transparency Database System using DQF", IJERT

5. Tejas Parkar, Devanand Haldar, Snigdha B, (2018). "Text Extraction and Translation using Image Processing and Augmented Reality", IOSR Journal of Engineering.

6. Sanjeev Bhogan, Sai Kumawat, Ajay chawala, Aditya Chaudhary, Snigdha Bangal "Secure Transfer of University Question Paper using Image Steganography", IOSR Journal of Engineering 2018

7. Aditya Pai , Prathamesh Powar, Rohan Sharma, Snigdha Bangal , Leena Sahu, "Comparative Analysis and Ensemble-Driven Improvement in Depression Detection on Reddit Posts", Taylor and Francis Journal 2024.

International Conferences:

1. Snigdha B. "Driver Fatigue Detection System: : A Survey" ICCSEE 2012

2. Snigdha B. "Driver Fatigue Detection System" ICCSEE 2012

3. Varsha A. Snigdha B., "Android Blood Bank" , National Conference NCTAA 2016 Atharva COE, 2016

4. Snigdha B, Satish B., Vijya Sagvekar "Real Time Driver's Eyes Status Detection System" , ICIATE 2017.

5. Yash Kumar, Akhil Talashi, Snigdha Bangal "Public Transparency Database System using DQF, ICAITE 2017"

6. Sanjeev Bhogan, Sai Kumawat, Ajay chawala, Aditya Chaudhary, Snigdha Bangal "Secure Transfer of University Question Paper using Image Steganography", ICAITE 2018

7. Snigdha Bangal; Dipti Pawade; Malay Thakkar; "A Machine Learning Model for Prediction of Parkinson's Disease using Vocal Features", IEEE Conference, 6th International Conference on Advances in Science and Technology (ICAST), 08-09 December 2023, ISBN 979-8-3503-5981-7

8. Revati N, Ruta M, Snigdha Bangal, "Improving Diabetes Prediction with Linear Stacking Classifier" International Conference on Emerging Trends in Microelectronics, Communication and Intelligent Systems as proceedings with Springer

9. Arpan Soni, Brigunandan Sharma, Snigdha Bangal, "Optimizing Sentiment Analysis in Airline feedback: Feature Selection Impact on Machine Learning Models" International Conference on Emerging Trends in Microelectronics, Communication and Intelligent Systems as proceedings with Springer

10. Aditya Pai , Prathamesh Powar, Rohan Sharma, Snigdha Bangal , Leena Sahu, "Comparative Analysis and Ensemble-Driven Improvement in Depression Detection on Reddit Posts", ICTEAH 2024.

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered

Attended
1. Two Weeks ISTE approved STTP on AI/ML and Data Science in Dec 2023
2. Attended Basic and Advanced workshops for Robotics from KUKA Robots.
3. Attended one week STTP on Advanced Data Mining.
4. Attended two weeks STTP on Emerging Trends in Cloud Computing with IoT and BIGDATA.
5. Attended workshop for NBA Accreditation.
6. Attended seminar on Internetworking Security and Personality Development.
7. Attended one day workshop on amazon
8. Attended workshop on Ethical Hacking

Organized
1. Organized **12 Technical Workshops** for Students and Faculties under CSI ATHARVA
2. Organized **ISTE Approved Two Weeks STTP** on "Emerging Trends of Cloud Computing with IoT and BIG DATA" in July 2016
3. Organizing **ISTE Approved One Week STTP** on "Data Analytics using R Language and Python" in July 2017.

Notable Positions and Responsibility	
1.	ISO Coordinator
2.	CSI Coordinator

Mrs. Snigdha Bangal