Somaiya Vidyavihar University

Name:	Sonali B. Wankhede		E-mail:sonali.w@somaiya.edu	
Contact No:	9819604774			
Department/Section: Information Technology				
College: K J Somaiya College of Engineering				
DOJ Somaiya:20/11/2023	Career Experience:_10.8__ Yrs	Industry Experience:___Yrs		Teaching Experience:__10.8_Yrs
Present Academic Designation: Assistant Professor (Professor/Associate Professor/Assistant Professor)			Present Administrative Designation: (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
   1. Information Security
   2. Blockchain
   3. IoT
Courses Delivered
   1. Information Security
   2. Artificial Intelligence
   3. Analysis of Algorithms
   4. Cyber Security

Recognition as a teacher by any University	UG: Yes/No	PG: Yes/No	Ph.D : Yes/No
Details of Recognitions 1. Somaiya Vidyavihar University			

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	Computer Engineering(Pursuing)	Mumbai University	Veermata Jijabai Technological Institute	-	-
PG	Computer Engineering	Mumbai University	Thadomal Shahani Engineering College	2014	7.68
UG	Computer Engineering	Mumbai University	Xavier Institute of Engineering	2010	65.53

Notable Experience Details

Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.					
2.					

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: 02
Publications Total:02	Number of Peer review Journal papers:	Number of Conference papers: 08
Details of Publications: International Journals		

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Conferences

1. Sonali B. Wankhede, Dhiren Patel, "Integrating Iot and Blockchain Technology for Securing Sensors Communication", 12th International Conference on Big Data, IOT and Blockchain (BIBC 2023), 28 th -29 th Oct 2023, Vienna, Austria.

2. Sonali B. Wankhede, Dhiren Patel "The Proof of Authority Consensus Algorithm for IIoT Security", International Conference on Recent Innovations in Computing (ICRIC-2022), INDO-HUNGARIAN Conference, Volume 2, 13 th -14 th August 2022, Hungary.

3. Sonali B. Wankhede, "Anomaly detection using machine learning techniques", IEEE Sponsored 2019 5th International Conference for Convergence in Technology (I2CT) Co-Sponsored by IEEE Bombay Section, Pune, 29th -31st March 2019.

4. Sonali B. Wankhede, "Study of Back-Propagation and Self Organizing Maps for Robotic Motion Control: A Survey", IEEE International Conference on Trends in Electronics and Informatics ICOEI at SCAD college of Engineering and Technology, Cheranmahadevi, Tirunelveli, Tamil Nadu, 11th-12th May 2017.

5. Sonali B. Wankhede, "Study of Network-based DoS Attacks", 2 nd International Conference on Micro-Electronics Computing & Communication System (MCCS-2017) organized by Indian Society for VLSI Education & IETE Ranchi Centre at ARTTC, BSNL Near Jumar River, Hazaribag Road, Ranchi, Jharkhand, Volume 511, 13th-14th May 2017.

6. Sonali B. Wankhede, "Comparative study of clustering methods: K-means, K-medoid and Agglomerative", DRDO Sponsored 2nd IEEE International Conference on Innovations in Information, Embedded and Communication Systems ICIIECS'15, Mar 19th-20th, 2015.

7. Sonali B. Wankhede, "User Authentication for Keystroke-based system", ICACIT 2014, International Conference on Advances in Computing and Information Technology at RGIT, Dec 18th-19th, 2014.

8. Sonali B. Wankhede and Shilpa Verma, "Keystroke-based Authentication System Using Neural Network", Interface 2014, 3 rd International Conference On Network Infrastructure Management Systems at VJTI, June 27th-28th, 2014.

Interational Journals

1. Sonali B. Wankhede, "Analytical Study of Neural Network Techniques: SOM, MLP and Classifier-A Survey", IOSR Journal of Computer Engineering, Vol.16, Issue 3, PP 86-92, May-Jun. 2014.

2. Sonali B. Wankhede and Shilpa Verma, "Keystroke Dynamics Authentication System Using Neural Network", International journal of Innovative Research & Development, Vol. 3, Issue 1, ISSN 2278 – 0211, pp. 157-164, January 2014.

Patents/Copy Rights

No of Research / consultancy / projects completed: Rs:	No of Research / consultancy / projects on-going: Rs:	No of Research / consultancy / projects on applied as on date: Rs:

Details of Research / consultancy / projects:

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FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
Attended
1. Two weeks Hands-on Workshop on Ethical Hacking and Cyber Security, Jointly organized by NIT Goa and NFSU 10th -14th June 2024.
2. Capacity Building Workshop for the Early Career Researchers under the Inspiring India in Research, Innovation, and Stem Education (Irise) Programme held at Somaiya Vidyavihar University, Mumbai, 19th – 21st March 2024.
3. One Week training on Introductory Course on Internet of Things (IoT), TIH Foundation for IoT and IoE, IIT Bombay 13th -18th June 2023
4. Two weeks AICTE Sponsored QIP on "Machine Learning Tools & Applications for Engineers" held during 12th – 21st June 2017 at VJTI.
5. Two Week AICTE approved FDP by IIT Bombay on-Use of ICT in education for online and blended learning in May 2016.
6. Two weeks ISTE STTP on "Introduction to Design of Algorithms" conducted by IIT Kharagpur, 27th April to 30th May 2015.
7. Attended Certified Ethical Hacking Expert (Level 1) workshop at fr.C.R.C.E, Bandra, 26th -27th August 2011.
8. Two week STTP on Faculty Induction Programme [FIP-11], 4th july-16th July 2011 at SFIT.
9. Participated in the workshop on "Underwater Robotics & Basic AVR Microcontroller." Organized by IEEE at Xavier Institute of Engineering 6th -7th March 2009.
Organized
1. AICTE-ISTE approved STTP Course: Faculty Development Program on Unleashing the Potential of Data Science for Engineers 09th to 14th December 2019,SPIT.
2. Internal SIH 2020, under IIC at SPIT
Delivered

Notable Key Scholastic Achievements
1.

Notable Positions and Responsibility	
1.	Women Development Cell Committee member
2.	Timetable Committee member
3.	Class incharge of SYBTech IT, TYBTech IT
4.	NBA Criteria Coordinator
5.	Cultural Committee Coordinator

Date: 21/08/ 2024   **Signature of Faculty Member**