Somaiya Vidyavihar University

Name:	YOGITA K. BORSE		E-mail:yogitaborse@somaiya.edu
Contact No:	02244669411		
Department/Section: Information Technology			
College: K J Somaiya College of Engineering			
DOJ Somaiya: 2nd Jan 2008	Career Experience:_15__ Yrs	Industry Experience:_00_Yrs	Teaching Experience:_15__Yrs
Present Academic Designation: Assistant Professor		Present Administrative Designation: (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
1. Blockchain Technology
2. Cryptography and Network Security
3. Data Structures and Algorithms

Courses Delivered
1. **Under Graduate Courses :**
   - Blockchain Technology
   - Information and Network Security
   - Data Structures
   - Algorithm analysis
2. **Post Graduate Courses :**
   - Blockchain
   - Cloud Computing Security
   - Security Analysis and Implementation Laboratory
3. **PhD Courses**
   - Cloud Computing 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 Approved guide for Master of Technology (MTech)
2. Mumbai University Approved guide for Master of Engineering (ME)
3. Somaiya Vidyavihar University Approved guide for Bachelor of Technology (BTech)
4. Mumbai University Approved guide for Bachelor of Engineering (BE)

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D	-	-	-	-	-
PG	Master of Engineering	Mumbai University	K J Somaiya CoE	2014	74.32%
UG	Bachelor of Engineering	Mumbai University	MGM CoE	2006	63.67%
Diploma	Diploma	MSBTE	SSBT CoE&T	2000	70.10%
NET/SET/Other	-				

Notable Experience Details

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

Somaiya Vidyavihar University

1.	LT CoE	Lecturer	June 2007	Dec 2007	0.6
2.	S K Somaiya College	Visiting Faculty	Jan 2023	March 2023	0.3

Research Accomplishments and Projects	
No of students pursuing Ph.D as on date: 00	No of students completed Ph.D as on date:00
No of students completed PG thesis / Project work as on date: 01	No of students / groups completed UG projects as on date: 30 groups
Publications Total: 23	Number of Peer review Journal papers:13	Number of Conference papers: 08

Details of Publications:

International Journals

1. Prof. Yogita Borse*2, Shahzaib Bijapure *1, **A review on quantum computing as a service (Qcaas) in cloud Computing**, International Research Journal of Modernization in Engineering Technology and Science - e-ISSN: 2582-5208, Volume:02/Issue:12/December-2020, pg 605-608.

2. Yogita Borse , Dhruvin Jain , Shreyash Sharma , Viral Vora, Aakash Zaveri, 2020, **Flight Delay Prediction System**, International Journal Of Engineering Research & Technology (IJERT) Volume 09, Issue 03 (March 2020), pg. 88-92. DOI: http://dx.doi.org/10.17577/IJERTV9IS030148

3. Patole Deepti; Ahirao Purnima; Borse Yogita "**Novel Teaching Learning and Evaluation Activities for Imbibing the Concepts of Cyber Security as Perennial Thought-Process in the Learners' Digital Life**", Journal of Engineering Education Transformations, [S.l.], p. 376-383, Jan. 2020. ISSN 2394-1707.

4. Yogita Borse and Sheetal Gokhale. **Cloud Computing Platform for Education System: A Review**. *International Journal of Computer Applications* 177(9):41-45, October 2019. DOI-10.5120/ijca2019919475

5. Yogita Borse and Mohammed Saleh Shaikh. **Cloud based Cyber Physical Systems Security** Issues: A Survey. *International Journal of Computer Applications* 177(9):38-40, October 2019. DOI-10.5120/ijca2019919474.

6. Tanmay T., Yogita Borse **"Implementation of Cloud computing Service Delivery Models (IAAS, PAAS) by AWS and Microsoft Azure: A Survey**". International Journal of Computer Applications 179(48):19-21, June 2018.

7. Yogita Borse, Anushka Chawathe "**A Survey on Access Control in Cloud Computing**". International Journal of Computer Trends and Technology (IJCTT) V59(2):81-84, May 2018. ISSN:2231-2803.

8. Omkar Ghaisas, Prof. Yogita Borse "**Survey of Data Protection Mechanisms to Protect Data at Rest on Cloud**", International Journal of Engineering Trends and Technology (IJETT), V59(2),105-107 May 2018. ISSN:2231-5381.

9. Lipika Mahajan, Prof. Yogita Borse International paper publication titled as "**Security Analysis of OTP Generation Techniques**" in IJSRD International Journal for Scientific Research & Development| Vol. 5, Issue 02, 2017: 2191-2194.

10. Purvi H. Vichhi, Yash Shah and Yogita Borse **"Peripheral Security System"** in International Journal for Scientific Research and Development(IJSRD) 5.1 (2017): 1457-1459.

11. H. Agrawal, H. Mavani, Yogita Borse* **"Student Performance Prediction using Machine Learning"** in International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, Vol. 4 Issue 03, March-2015(*Mentor/Advisor).

12. Yogita Borse and Irfan Siddavatam. Article: **A Novel Secure Remote User Authentication Protocol using Three Factors**. *International Journal of Computer Applications* 87(17):1-6, February 2014 DOI- 10.5120/15297-3985

13. Yogita Borse and Irfan Siddavatam. Article: **Mitigating Vulnerabilities in 3-Factor based Authentication**. *International Journal of Computer Applications* 76(10):19-23,

August 2013.

National Journals - NIL

Conferences

1. Borse Y., Ahirao P., Mangukiya M., Patel S. (2021) **A Novel Approach to Preserve DRM for Content Distribution over P2P Networks**. In: Thampi S.M., Lloret Mauri J., Fernando X., Boppana R., Geetha S., Sikora A. (eds) Applied Soft Computing and Communication Networks. Lecture Notes in Networks and Systems, vol 187. Springer, Singapore. https://doi.org/10.1007/978-981-33-6173-7_2.

2. Yogita Borse, Deepti Patole, Purnima Ahirao, "**Geo-Encryption: A location based encryption technique for data security",** Fifth International Conference on Computing Communication Control and Automation (ICCUBEA), September 2019, IEEE.

3. Deepti Patole**,** Yogita Borse, Jayesh Jain, Shreya Maher, **"Personal Identity on Block chain",** Algorithms for Inteligent Systems(AIS), Springer 2019.

4. Purnima Ahirao, Deepti Patole**,** Yogita Borse, **"Imbibing the core Engineering concepts through pedagogy of Teaching- Learning Methodologies",** National Conference on Exploring New Dimensions in Teaching Learning for Quality Education, 2019.

5. Purnima Ahirao, Yogita Borse, Deepti Patole, **"Multi Banking System using Three level security"** in International Conference on sustainable computing in Science, Technology and Management in February 2019.

6. Yogita Borse, Anushka Chawathe, Purnima Ahirao, Deepti Patole, **"Anonymity: A Secure Identity Management Using Smart Contracts"** in International Conference on sustainable computing in Science, Technology and Management in February 2019.

7. Khandelwal, Dhruv, Devika Shanbhag, Aditya Shriyan, Rugved Thorve and Yogita Borse**. "LeMeNo: Personalised News Using Machine Learning." 2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA) (2018): 1-4.**

8. S. Deshmukh, K. Doshi and Yogita Borse**, "Securing Images Using Layered Morphing,"** *2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)*, Pune, India, 2018, pp. 1-6.

Books/Book Chapters

1. **Application of Blockchain Technology to Make Smart Cities Smarter,** Yogita Borse, Purnima Ahirao, Kunal Bohra, Nidhi Dedhia, Yash Jain, Rohit Kasale, and Unmesh Madke*.* Solanki, A., Jain, V., & Gaur, L. (Eds.). (2022). Applications of Blockchain and Big IoT Systems: Digital Solutions for Diverse Industries (1st ed.). Apple Academic Press. https://doi.org/10.1201/9781003231332.

Patents/Copy Rights - NIL

No of Research / consultancy / projects completed: Rs: 00	No of Research / consultancy / projects on-going: Rs: 00	No of Research / consultancy / projects on applied as on date: Rs: 01

Details of Research / consultancy / projects:
Completed
On-going
Applied
   1.

IPR/ Copyrights
   1.

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

Attended

Somaiya Vidyavihar University

1.

Organized

1. Organized an Expert Lecture on "Early Age research Exposure", for TY BTech(OET) students on 17th March 2022.
2. Organized a Webinar on "Cyber Law" for SY MTech and SY BTech(OET) students on 18th Oct2021.
3. Organized a Webinar on "Digital Data: Personalization and Privacy" under ISTE Teacher's Chapter, K J Somaiya College of Engineering for KJSCE college faculty members on 26 Feb2021.
4. Coordinated the Guest sessions on "Cloud computing Security" for PhD(IT) and MTech students during the month of June 2021.
5. Organized an Expert session on "Anonymous Browsing and Deep Web" conducted on 1st August, 2019.
6. Organized an Guest expert session on "Digital Forensics" conducted on 17th September, 2019.
7. Organized an Expert session on "Digital Forensics" conducted on 27th September, 2019.
8. Organized a workshop on "LMS" conducted on 20th September, 2019.
9. Organized a workshop on Blockchain Technology for TY BTech (IDC) students on 20 March 2019.

Delivered

1. Two days' workshop conducted on "**Blockchain and Smart Contract Development using Remix and Truffle**" for M.Sc. IT and CS students at S.K. Somaiya College, Somaiya Vidyavihar University, Mumbai.
2. Two days' workshop conducted on "**Blockchain and Smart Contract Development**" for Trainers at Network Intelligence India Pvt. Ltd., Mumbai.
3. Guest lecture on "**Blockchain Forensics**", organized for students by the Department of Information Technology, FCRCOE, Mumbai
4. Guest lecture on "**Blockchain Technology**", organized for students by the Department of Information Technology, Terna Engineering College, Mumbai.
5. Guest lecture on "**Blockchain Technology**", organized for students by the Department of Information Technology, FCRCOE, Mumbai.
6. Expert lecture on "**Blockchain Technology**", organized for students by the Department of Information Technology, K J Somaiya COE, Mumbai.
7. **LaTex – A tool for technical writing",** organized for teachers by the department of Information Technology, K J Somaiya COE, Mumbai.
8. Conducted expert talk and hands-on sessions in **ACTE-ISTE Approved Short Term Training Program on Cyber Security and Laws** at Jondhale College of Engineering and Technology, Mumbai.
9. Conducted a sessions in **ISTE Approved Short Term Training Program on Blockchain and Security** at K J Somaiya College of Engineering, Somaiya Vidyavihar University, Mumbai.

Reviewer

➢ **Conference**

1. Reviewer for 2nd International Conference on Data Science and Applications (ICDSA 021) International Conference in Virtual Format in association with school of mobile computing and communication, jadavpur university, kolkata, india and soft computing research society april 10-11, 2021.
2. Reviewer for International Conference on Computer Vision and Robotics (CVR 2021) Organized by Babu Banarasi Das University Lucknow, India and Soft Computing Research Society AUGUST 07-08, 2021.
3. Reviewer for Second International Conference on Recent Trends in Communication & Intelligent Systems (ICRTCIS 2020), Springer Algorithms for Intelligent Systems (AIS Series), Organized by Arya College of Engineering and IT, Jaipur, Rajasthan, India, November 20-21, 2020.

4. Reviewer for Congress on Intelligent Systems (CIS 2020), Springer Advances in Intelligent Systems and Computing, Organized by Soft Computing Research Society, New Delhi, India, held on September 05-06, 2020.
5. Reviewer for International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2020), Amity University Rajasthan, Jaipur, India, held on January 20 - 22, 2020.
6. Reviewer for International Conference on Advancements in Computing & Management (ICACM-2019), Jagan Nath University, Jaipur, India, held on April 13-14, 2019.
7. Reviewer for International Conference On Recent Trends in Communication & Intelligent Systems (ICRTCIS 2019), RTU Kota, Arya College of Engineering & IT, Jaipur, India, held on June 8-9, 2019.
8. Reviewer for International Conference on Communication and Computational Technologies (ICCCT2019), Rajasthan Institute of Engineering and Technology Bhankrota, Ajmer Road, Jaipur-302026, India, August 30-31, 2019.

➢ **Journal**
1. Journal of Engineering Education Transformations (JEET), Scopus Indexed, EBSCO indexed, UGC-CARE indexed.
2. International Journal of Cyber-Security and Digital Forensics (IJCSDF) - A Peer Reviewed, Refereed, Indexed and Leading Journal in Cyber Security and Digital Forensics. Published by The Society of Digital Information and Wireless Communications.

Notable Key Scholastic Achievements

1.	
2.	

Notable Positions and Responsibility

1.	Member of Department Result Analysis
2.	Member of NAAC criteria 7

Date: 01 / 0 1 / 2023   **Signature of Faculty Member**