

Somaiya Vidyavihar University

Name: Mr. Sagar Damodar Korde			E-mail: sagar.korde@somaiya.edu		
Contact No: 7045656838					
Department/Section: Information Technology					
College: K J Somaiya College of Engineering					
DOJ Somaiya: 07/07/2014	Career Experience: 9.5 Yrs	Industry Experience: 0 Yrs	Teaching Experience: 9.5 Yrs		
Present Academic Designation: Assistant Professor			Present Administrative Designation: (Convener IIC, ECell Coordinator)		

Area of research/specialization and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> 1. Blockchain Technology 2. Cyber Physical Systems and Security 3. Internet of Things 4. Business Analytics <p>Courses Delivered</p> <ol style="list-style-type: none"> 1. Operating Systems 2. Ubiquitous Computing 3. Usability Engineering 4. Internet of Things 5. Intelligent Systems 6. Cloud Computing 7. E-Commerce 8. Business Analytics 9. Blockchain Technology

Recognition as a teacher by any University	UG: Yes	PG: No	Ph.D : No
<p>Details of Recognitions</p> <ol style="list-style-type: none"> 1. Approved Assistant Professor in Dept. of Information Technology by University of Mumbai 2. Approved Assistant Professor in Dept. of Information Technology by Somaiya Vidyavihar University 			

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
PG	Master of Engineering	Rashtrasant Tukadoji Maharaj Nagpur University	G. H. Rasoni College of Engineering, Nagpur (Autonomous)	2014	8.23
UG	Bachelor of Engineering	Rashtrasant Tukadoji Maharaj Nagpur University	Smt. Radhikatai Pandav College of Engineering, Nagpur	2012	60.19

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	07/07/2014	Till Date	8.5
2.	Madhukarrao Pandav College of	Assistant Professor	24/06/2013	24/06/2014	01

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Engineering, Bhandara			
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Research Accomplishments and Projects
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No of students pursuing Ph.D as on date: NA	No of students completed Ph.D as on date: NA
No of students completed PG thesis / Project work as on date: NA	No of students / groups completed UG projects as on date: 14
Publications Total: 14	Number of Peer review Journal papers: 10 Number of Conference papers: 04

Details of Publications:

International Journals

1. Smart Agriculture using IoT and Machine Learning
SM Patel, MB Jain, SS Pai, SD Korde
International Research Journal of Engineering and Technology (IRJET), 2021
2. Impact of Entrepreneurship Ecosystem in an Engineering College: A Case Study
S Korde, IS Dhanjal, B Soni, D Mehta, P Chaudhary
Journal of Engineering Education Transformations 36 (Special Issue 2), 2023
3. DocsInBlocks - A Blockchain-Based Document Handler for Candidate Verification
PSK Vaibhav Vesmaker1
International Research Journal of Engineering and Technology (IRJET), 2022
4. Blockchain Based Car Rental App
PSK Malay Bhatt1, Harsh Pithadia2, Bhavik Mehta3, Vaibhav Vesmaker4
International Research Journal of Engineering and Technology (IRJET), 2022
5. Turistas: Trip Planner and Recommender
R Gupta, P Shah, R Siddiqui, K Prajapati, SD Korde
i-manager's Journal on Mobile Applications and Technologies 8 (1), 2021
6. Time Estimation as Critical Factor of Software Failure: A Systematic Literature Review Protocol
M Turakhia, U Nandu, P Shah, S Sharma, S Korde
i-Manager's Journal on Software Engineering 13 (4), 2019
7. Student Data Integration and Consolidation System
N Khandor, D Mehta, Z Mistry, A Mittal, S Korde
i-Manager's Journal on Software Engineering, 2019
8. Technical Review and Analysis of Popular Speech Recognition Techniques for Ubiquitous Human Computer Interaction
S Jape, M Kulkarni, S Korde
International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), 2016
9. Humanoid Robot With Synthetic Brain
S Korde, GR Talmale
i-manager's Journal on Embedded Systems 2 (Issue : Aug-Oct 2013), 2013
10. Speech to 3D Scene Generation
Manthan Turakhia, Umang Nandu, Prayesh Shah, Siddharth Sharma, Sagar Korde

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i-manager's Journal on Software Engineering, 2019

Conferences

1. Automated Shopping and Convenient Wi-Fi Based Indoor Navigation
S Korde, P Batavia, I Gajera, S Gandhi, P Mody
6th International Conference for Convergence in Technology (I2CT), 2021
2. Accessible Self-Care and Automated Indoor Navigation for COVID-19 Vaccination Centre
P Batavia, I Gajera, S Gandhi, P Mody, S Korde
2nd Global Conference for Advancement in Technology (GCAT), 2021
3. A digital approach to access and manage distributed data
S Korde, N Khandor, A Mittal, Z Mistry, D Mehta
2nd International Conference on Advances in Science & Technology (ICAST), 2019
4. Implementation of synthetic brain concept in humanoid robot
SD Korde, GR Talmale
International Conference for Convergence for Technology-2014 (I2CT), 2014

Books/Book Chapters

1. Digital Forensic, Computer Engineering, Neo Publication 2023
2. Digital Forensic, Electronics and Telecommunication Engineering, Neo Publication 2023

No of Research / consultancy / projects completed: 01(funded) + 05 (non-funded)
Rs: 66 Lakhs

No of Research / consultancy / projects on-going: 01
Rs: 1 Cr

No of Research / consultancy / projects on applied as on date:00
Rs: Nil

Details of Research / consultancy / projects: Completed

1. K J Somaiya College of Engineering in association with Cyber Peace Foundation working on a CIFF International-funded research project "Landscape Analysis for Online Child Trafficking and Online Child Sexual Exploitation".

Position – Documentation Officer

Responsibilities:

- Planning and delivering engagement activities and events for industry and academic professionals and students
- Monitoring budgets, accounting and delivering within those, and reporting regularly and accurately to line management

Gant Amount: 66 Lakh

2. Automated Car Parking System, L&T Automation Consultancy Project, 2017-18
3. Image Editor Development, L&T Automation Consultancy Project, 2017-18
4. Linen Counter Weighing Machine, Indian Railway Consultancy Project, 2016-17
5. Water Level Alarm System for Indian Railways, Indian Railway Consultancy Project, 2016-17
6. IVR System for Indian Railways, Indian Railway Consultancy Project, 2016-17

On-going

1. Somaiya Vidyavihar University funded the project under the Research and Technology Development programme.

Project Title: Sustainability and security of blockchain network (On Going)

Position – Co-principal Investigator

Grant Amount: 01 Crore

The proposed objectives are to:

- Develop infrastructure to deploy blockchain-based applications

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- Develop a Data trading Platform using Blockchain
- Develop a Mining rig agnostic to coin to benchmark the performance
- Sustainability assessment setup for Mining
- Security assessment for Blockchain network

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

Attended

1. Attended one week online FDP on “Machine learning”, organized by Dept. of IT, SIT, Lonavala, Pune from 7th to 11th Dec. 2022.
2. Attended ONE WEEK FDP/ STTP ON CYBER FORENSICS AND CYBER SECURITY
3. Organised by Department of Computer Technology, Yeshwcmtrcao Chavcm College of Engineering, Nagpur In Association with The Institution of Engineers, Nagpur Local Center & Maharashtra State Center And FORnSEC Solutions, Nagpur. During 20 to 25 December 2021.
4. Completed certification on Blockchain Specialization (Coursera: University at Buffalo, The State University of New York), 2022
5. Completed certification on Foundations of User Experience (UX) Design (Coursera: Google), 2022
6. Completed certification on Being a researcher in Information Science and Technology (Coursera: Politecnico di Milano), 2022
7. Completed certification on Cyber Security (NPTEL), 2022
8. Attended a one week AICTE-ISTE approved Short Term Training Program on “Cognizance of Industry-4.0 towards Implementation and Security” under the Department of Information Technology and Mechanical Engineering, KJSCE during December 30, 2019 to January 4, 2020.
9. Completed NPTEL online course “Introduction of Internet of Things” with “Elite Grade”.
10. Attended a one week workshop on “Artificial Intelligence, Machine and Deep Learning” jointly held by ISTE and department of Computer Engineering & Information Technology at K. J. Somaiya Institute of Engineering and Information Technology on June 24 - 29, 2019.
11. Attended the ”Python Workshop” on 22 June 2019, at Shah And Anchor Kutchhi Engineering College, Chembur. This training was organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT).
12. Attended five days "Linear Algebra, Statistics and Mathematical modelling: Hands On " organized by Department of Electronics Engineering and Department of Science and Humanities, K. J. Somaiya College of Engineering on 08 - 12 January 2019.
13. Attended one week "Development Program on Engineering Exploration" course held at KLE Tech, Hubali, karnatka, during 14 - 18 May 2018.
14. Attended four week "Pedagogy for Online and Blended Teaching - Learning Process (FDP201x) ``. held by IIT Bombay during September 14, 2017 - October 12, 2017.
15. Attended four week "Foundation Program on ICT in Education (FDP101x) ``. Held by IIT Bombay during August 24, 2017 - September 12, 2017.
16. Attended Two days hands on workshop on "Wireless Sensor Networks and IoT" organized by Department of Computer Engineering, K. J. Somaiya College of Engineering on 08 - 09 February 2019.
17. Attended one week workshop on “SMAC(Social, Mobile, Analytics and Cloud ” jointly held by ISTE Teachers chapter KJSCE (MH103) and department of Computer Engineering at K. J. Somaiya college of Engineering, Mumbai-77 on December 5 - 9, 2016.
18. Attended a two days’ workshop on “Frameworks” jointly held by ISTE Teachers chapter KJSCE (MH103) & department of Information Technology at KJSCE on March 5 & 19, 2016.
19. Attended one week workshop on “LabVIEW and Data Acquisition” jointly organized by National instruments and Department of Electronics Engineering at K. J. Somaiya college of Engineering, Mumbai-77 held from August 24-28, 2015.
20. Attended a Two days’ workshop on “Arduino & IoT” with ARK Techno – Solutions and

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<p>Robokart.com under ISTE approved Short Term Training Program on “Internet of Things” at KJSCE during January 5, 2016 - January 6, 2016.</p>
<p>Organized</p> <ol style="list-style-type: none"> 1. Organized two days Hands-On Training Session on “Fortinet Firewall” under the Department of Information, KJSCE during 23 and 24 January 2023. 2. Organized a one week AICTE-ISTE approved Short Term Training Program on “Cognizance of Industry-4.0 towards Implementation and Security” under the Department of Information Technology and Mechanical Engineering, KJSCE during December 30, 2019 to January 4, 2020. Position – Organizing Committee Member 3. Organized a two days workshop on “Frameworks” jointly held by ISTE Teachers chapter KJSCE MH103) & department of Information Technology at KJSCE on March 5 & 19, 2016. Position – Coordinator 4. Organized a one-week ISTE approved Short Term Training Program on “Internet of Things” under the department of Information Technology at KJSCE during January 4, 2016 - January 8, 2016. Position – Co-Coordinator 5. Organized a Two days’ workshop on “Arduino & IoT” with ARK Techno – Solutions and Robokart.com under ISTE approved Short Term Training Program on “Internet of Things” at KJSCE during January 5, 2016 - January 6, 2016. Position – Coordinator 6. Organized a seminar on “Open Source Web Frameworks” for ‘Advance Internet Technology’ subject of department of Information Technology, KJSCE on March 8, 2016 Position – Coordinator 7. Organized a one week ISTE approved Short Term Training Program on “Digital Security” under the department of Information Technology, KJSCE during June 27, 2016 – July 4, 2016. Position – Organizing Committee Member
<p>Delivered</p> <ol style="list-style-type: none"> 1. Delivered hands-on session on ‘Engineering Exploration - Basic Electromechanical Workshop’ in KJSIET, 28th December 2022 2. Delivered a session on ‘Being Autonomous’ in Shah and Anchor Kutchhi College of Engineering, 12th July 2022. 3. Delivered a session on ‘Advance Computer Architecture’ in D. J. Sanghvi College of Engineering dated 16th March 2018.

Notable Key Scholastic Achievements	
1.	Rank 1st in “Smart India Hackathon”. It is an initiative by AICTE and the Government of India, under the Science and Technology Department. Position - Mentor Grant Amount: 3.5 Lakh
2.	Worked with Indian Territorial Army on JOSH (Judicial Observation System for Human resource) project
3.	Industrial Internship in Automation Department at Abhijeet Power Plant, MIHAN, Nagpur (MH)

Notable Positions and Responsibility	
1.	Convener of KJSCE MHRD’s IIC (Institute Innovation Council).
2.	Faculty Coordinator in Training and Placement Cell.
3.	Faculty Coordinator in KJSCE BloomBox Entrepreneurship Cell.
4.	SPOC of KJSCE for Smart India Hackathon 2017 to 2019.
5.	Member of KJSCE Student Welfare Committee.

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6.	Member of Academic Advisory board of Shankarrao Bande Art & Science Junior College, Warud, Amravati (MH) 444906. Position : Chief Adviser for Computer Science Subject. Period : 25th January, 2016 to till date.
7.	Invited as expert for project evaluation in NMIMS University Shirpur Campus on dated 21st and 22nd April 2018.



Date: 09/02/2023

Signature of Faculty Member