

## Somaiya Vidyavihar University

<b>Name:</b> Dr Pankaj P. Mishra			<b>E-mail:</b> pankaj.mishra@somaiya.edu		
<b>Contact No:</b> +91-8291867058					
Department/Section: Information Technology					
College: K J Somaiya College of Engineering					
DOJ Somaiya: 15/05/2024	Career Experience: 3 Yrs		Industry Experience: 2.5 Yrs	Teaching Experience: 1 Yrs	
Present Academic Designation: Assistant Professor (Professor/Associate Professor/Assistant Professor)			Present Administrative Designation: - (Principal/Vice-Principal/ Associate Dean/ HOD etc)		

Area of research/specialisation and Courses Delivered
<p>Research domain/interests/areas</p> <ol style="list-style-type: none"> <li>1. Reinforcement Learning</li> <li>2. MultiAgent Systems</li> <li>3. Game Theory</li> <li>4. Social Network Analysis</li> <li>5. Internet of Things</li> <li>6. Auction Design</li> </ol> <p>Courses Delivered</p> <ol style="list-style-type: none"> <li>1. Operating System</li> <li>2. Database Management System</li> <li>3. Discrete Structure and Graph Theory</li> <li>4. Internet of Technology</li> <li>5. AI/ML</li> <li>6. Green IT</li> <li>7. Research Methodology</li> </ol>

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

Education					
Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/%Marks
PhD	Doctoral	University of Wollongong, Australia	UOW Engineering and Technology	2022	N/A
PG	M.E	Nagoya Institute of Technology, Japan	School of Computer Science	2016	4.5/5
UG	B.E	Mumbai	Don Bosco Institute of Technology, Mumbai	2014	70%
Diploma					
NET/SET/Other					

Notable Experience Details					
Sr. No	Name of the organisation	Designation	Date of Joining	Date of Leaving	Experience (Years)

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1	KJ Somaiya College of Engineering	Assistant Professor	May 2024	-	
2	Xavier Institute Of Engineering	Assistant Professor	Aug 2023	May 2024	0.9 Years
3	Krishna Technologies, Mumbai	Information Technology Specialist	Oct 2016	Mar 2019	2.6 Years

### Research Accomplishments and Projects

No of students pursuing Ph.D as of date: 0		No of the students completed their Ph.D as on date: 0
No of the students completed PG thesis / Project work as of date: 0		No of students/groups completed UG projects as of date: 0
Publications Total:	Number of Peer review Journal papers: 4	Number of Conference papers: 9

#### Details of Publications:

##### International Journals

- Mishra, Pankaj** and Moustafa, Ahmed. (2023). Real-Time Pricing based Resource Allocation in Open Market Environments. ACM Transaction on Internet Technology (TOIT). <https://doi.org/10.1145/3465237> (IF: 3.10)
- Mishra, Pankaj** and Moustafa, Ahmed. (2022). Reinforcement Learning based Monotonic Policy for Online Resource Allocation. Future Generation Computer System (FGCS). <https://doi.org/10.1016/j.future.2021.09.023> (IF: 7.19)
- Mishra, Pankaj** and Moustafa, Ahmed. (2021). A Diffusion Mechanism for Multi-Unit Commodity Allocation in Economic Networks. Electronic Commerce Research and Applications (ECRA). <https://doi.org/10.1016/j.elerap.2021.101078> (IF: 6.01).
- Mishra, Pankaj**, Hadfi, Rafik, and Ito, Takayuki (2016). Role of Human Emotions in Social Influence." International Journal of Information Technology (IJIT). [https://intjit.org/cms/journal/volume/22/2/222\\_4.pdf](https://intjit.org/cms/journal/volume/22/2/222_4.pdf)

##### Conferences

- Mishra, Pankaj** and Moustafa, Ahmed. (2022). Reinforcement Learning-based Real-Time Fair Online Resource Matching. 14th International Conference on Agents and Artificial Intelligence (ICAART).
- Mishra, Pankaj** and Moustafa, Ahmed. (2022). A Mechanism for Multi-Unit Multi-Item Commodity Allocation in Economic Networks. 14th International Conference on Agents and Artificial Intelligence (ICAART).
- Mishra, Pankaj**, Moustafa, Ahmed, and Ito, Takayuki. (2020). Reinforcement Learning based Real-Time Pricing in Open Cloud Markets. The 33rd International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE).
- Mishra, Pankaj**, Moustafa, Ahmed, and Ito, Takayuki. (2020). Optimal Auction-based Automated Negotiation in Realistic Decentralized Market Environments. 35th AAAI conference.
- Mishra, Pankaj**, Moustafa, Ahmed and Ito, Takayuki. (2020). Fairness-based Multi-Preference Resource Allocation in Decentralised Open Markets. 11th International Workshop on Optimization and Learning in Multiagent Systems (AAMAS).
- Mishra, Pankaj**, Hadfi, Rafik, and Takayuki Ito. (2016). Multiagent Social Influence Detection Based on Facial Emotion Recognition. Highlights of Practical Applications of Scalable Multi-Agent Systems. The PAAMS Collection. Springer International Publishing.
- Mishra, Pankaj**, Hadfi, Rafik, and Ito, Takayuki. (2016). Social Influence Analysis based on Facial Emotions." International Workshop on Social Influence Analysis (IJCAI).

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<p>8. <b>Mishra, Pankaj</b>, Hadfi, Rafik, and Ito, Takayuki. (2015). Adaptive Model for Traffic Congestion Prediction. International conference on engineering and other applications of the applied intelligent system (IEA/AIE).</p> <p>9. Tripathy, Amiya, Sundararajan, Revathy, Deshpande, Chinmay, <b>Mishra, Pankaj</b>, Natarajan, Neha. (2015). Opinion mining from user reviews.” Proceedings of Technologies for Sustainable Development.</p>		
Books/Book Chapters -		
Patents/Copy Rights -		
No of Research completed: Rs: 680000/-	No of Research/consultancy / projects on-going: Rs: _____	No of Research / consultancy / projects on applied as on date: Rs: _____
<p>Details of Research/consultancy / projects:</p> <p>Completed</p> <p>1. Supported by a Foreign Student Grant awarded by NGK-Spark, Japan</p> <p>On-going -</p> <p>Applied -</p>		
IPR/ Copyrights -		

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
<p>Attended</p> <ol style="list-style-type: none"> <li>1. ATAL FDP on Blockchain Technology: Architecture and its Application, Fr. Conceicao Rodrigues College of Engineering</li> <li>2. Symposium organised by the JHEASA West Zone committee at Xavier Institute of Communication, St. Xavier's College Autonomous</li> <li>3. Outcome-Based Education and Essential AI Tools for Teachers, Online</li> </ol>
<p>Organised -</p>
<p>Delivered</p> <ol style="list-style-type: none"> <li>1. International Collaborative Symposium for Informatics, ICSI 2022, University of Wollongong, Australia</li> <li>2. International Collaborative Symposium for Informatics, ICSI 2023, Nagoya Institute of Technology, Japan</li> </ol>

Notable Key Scholastic Achievements
1. Foreign Student Scholarship — Heiwa Nakajima Foundation, Japan Apr 2020
2. Student Travel Award — Association for the Advancement of Artificial Intelligence (AAAI 2020)
3. Best Paper Award — International Journal of Information Technology, Jan 2017
4. MEXT Scholarship — Japanese Govt. Scholarship, Sep 2014

Notable Positions and Responsibility
1.

Date: 18 / 08 / 2024

Signature of Faculty Member