

TANMOY HAZRA

Assistant Professor (Computer Science and Engineering)
Indian Institute of Information Technology, Pune

Objective: To work in an environment that provides for high standards of intellect, professionalism, human values and ethics and be part of a dynamic team that works towards the growth of the organization and enhance my skills with the cope of latest trend.



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Academic Records:

Course name	College/School	University /Board	Year of Passing	DGPA / %Marks
Ph.D. (Thesis submitted, Dept. of CSE)	Defence Institute of Advanced Technology, Pune (DRDO)	DIAT, Pune (DU)	(Expected by 2018)	N. A.
M.Tech (Computer Application)	IIT-ISM, Dhanbad	IIT-ISM, Dhanbad	2012	8.06
B.Tech (Computer Science & Engineering)	Dr. B. C. Roy Engineering College, Durgapur	W. B. U. T. (Presently, M. A. K. A. U. T.)	2009	7.78
Higher Secondary	P.B.G.D.I	W. B. C. H. S. E.	2005	77.3
Secondary	P.B.G.D.I.	W. B. B. S. E.	2003	83.75

PhD Details:

Ph. D. status: Thesis submitted (December, 2017)

PhD registration type and year: Full-time, July, 2014

Thesis title: Game-theoretic target selection and search strategies in grids

Department: Computer Science and Engineering, DIAT, Pune

Supervisor: Dr. C. R. S. Kumar (Associate Professor, HoD, CSE dept., DIAT)

Co-supervisor: Dr. Manisha Nene (Assistant Professor, CSE dept., DIAT)

Research Interest:

Applications of game theory, Behavioral game theory, Agent-based target selection and searching

Publications:

International Journal:

1. T. Hazra, M. Nene and C. R. S. Kumar, A Strategic Framework for Searching Mobile Targets Using Mobile Sensors, **Wireless Personal Communications (Springer), SCIE indexed**, 2017. Status- **Published**
2. T. Hazra, C. R. S. Kumar and M. Nene, Modeling and Analysis of Grid-Based Target Searching Problems in a Mobile Sensor Network, **Wireless Personal Communications (Springer), SCIE indexed**, 2017. Status- **Published**
3. T. Hazra, C. R. S. Kumar and M. Nene, Multi-agent target searching with time constraints using game-theoretic approaches, **Kybernetes (Emerald), SCIE indexed**. Status- **Published**
4. T. Hazra, M. Nene and C. R. S. Kumar, Modelling and analysis of information-based target searching using mobile sensors, **IJSCC (Inderscience), Scopus indexed**. Status- **Published**
5. T. Hazra, M. Nene and C. R. S. Kumar, A probabilistic approach to compute strategies for players of a search game in a bounded space, **CSI Transactions on ICT, Springer**. Status- **Published**
6. T. Hazra, C. R. S. Kumar and M. Nene, Strategies for Searching Targets Using Mobile Sensors in Defence Scenarios, **IJITCS (MECS, Hong Kong), INSPEC indexed**, 2016. Status- **Published**
7. H. Om, T. Hazra, Design of Anomaly Detection System for Outlier Detection in Hardware Profile Using PCA, International Journal in Computer Science and Engineering, 2012. Status- **Published**
8. H. Om, T. Hazra, Statistical Techniques in Anomaly Intrusion Detection System, International Journal of Advances in Engineering and Technology, 2012. Status- **Published**
9. T. Hazra, Two-agent cooperative search model using Petri-nets, Status- **Communicated to a scopus indexed journal**
10. T. Hazra, Intelligent target searching in grids based on information availabilities, Status- **Paper writing**

International Conference:

1. T. Hazra, M. Nene and C. R. S. Kumar, Optimal strategies for searching a mobile object using mobile sensors in a grid environment, **3rd ICACCS (IEEE)**, Coimbatore, 2016. (**Best Paper Award**), Status- **Published**
2. T. Hazra, C. R. S. Kumar and M. Nene, Strategies for Searching a Mobile Target Using Mobile Sensors in a Two-Dimensional Grid , **2nd I2CT (IEEE)**, Pune, 2017. Status- **Published**

Published Book:

Author: Mr. Tanmoy Hazra

Book title: Application of PCA in IDS

Book sub-title: A Brief Idea and Approach

Publisher: Lambert Academic Publishing (International Publisher, Germany)

Publishing year: 2012

Website: Available on Amazon

Serving as a reviewer:

1. Wireless Personal Communications (Springer, SCIE indexed journal) since 2017
2. Kybernetes (Emerald, SCIE indexed journal) since 2017
3. IJSCC (Inderscience, Scopus indexed journal) since 2017
4. IJISD (Inderscience, Scopus indexed journal) since 2017

Editorial board member:

1. Editorial board member in Wireless Communication Technology, Whoice Publishing Pte. Ltd., Singapore since 2018

2. Invited to join as an editorial board member in Enpress Publisher, USA

Achievement:

1. National Merit Certificate based on Secondary Examination
2. GATE qualified in 2010
3. Ph.D. Institutional Fellowship funded by the ministry of defence
4. Best Paper Award in 3rd ICACCS, Coimbatore, 2016.
5. SPPU approved faculty (ISB&M School of Technology, Pune)

Technical Information:

Training: A project on “Quantum Computing- Shor’s Algorithm” from Central Mechanical Engineering Research Institute, Durgapur (C.M.E.R.I., Durgapur) (2008-2009)

Language: C, C++, Java, MATLAB

Tools: Latex, GameTheoryExplorer, Irslib, wireshark

Operating System: Windows family, LINUX (basics)

Subject Interest: Applications of Game Theory, Design and Analysis of Algorithms, Discrete Mathematics, Object Oriented Programming

Teaching Experience:

Institute details: ISB&M School of Technology, Pune (Under SPPU)

Duration: 23rd June, 2012 – 11th July, 2014 (2 years)

Subjects taught: Design and Analysis of Algorithms, Computer Network Technology, Object Oriented Programming

Academic Activities:

1. Conducted NNSC Workshop in ISB&M School of Technology, Pune
2. Selected as an external examiner in practical examinations in various engineering colleges under SPPU
3. Guest lecture on “Applications of discrete mathematics in computer science” in DYPIEMR, Pune
4. TE Computer class teacher in ISB&M School of Technology, Pune
5. BE Computer project coordinator in ISB&M School of Technology, Pune

Personal Details:

Father’s Name : Mr. Dilip Kumar Hajra

Date of Birth : 1.1.1988

Sex : Male

Nationality : Indian

Religion : Hindu

Permanent Address : Vill + P. O. + P. S.- Patrasayer
Dist- Bankura
West Bengal
Pin-722206

Language Known : Bengali, English, Hindi

Strength : Punctuality, Responsibility, Positive Attitude, Patience

Interest : Teaching, Net Surfing, Listening Music, Playing Cricket