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Research Interests:

- Cloud Computing
- Game Theory
- Mechanism Design
- Internet of Things
- Machine Learning

Education:

- Ph.D. (Computer Science) from Jawaharlal Nehru University, New Delhi, India.
- M.Tech. (Computer Science and Technology) from Jawaharlal Nehru University, New Delhi, India.
- B.Tech. (Computer Science and Engineering) from Uttar Pradesh Technical University, Lucknow, India.

Publications:

International Journals:

1. Gaurav Baranwal, Dinesh Kumar, Zahid Raza, Deo Prakash Vidyarthi. "A Negotiation based Dynamic Pricing Heuristic in Cloud Computing", International Journal of Grid and Utility Computing (InderScience), 2017. (Scopus, ACM Digital Library, DBLP indexed) (Accepted)
2. Gaurav Baranwal, Deo Prakash Vidyarthi, "A Truthful and Fair Multi-Attribute Combinatorial Reverse Auction for Resource Procurement in Cloud Computing", IEEE Transactions on Services Computing, 2016. (SCIE indexed), Impact Factor: 3.520
3. Dinesh Kumar, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A systematic study of double auction mechanisms in cloud computing", Journal of Systems and Software, Volume-125, pp. 234-255, 2016. (SCIE indexed), Impact Factor: 2.444
4. Gaurav Baranwal, Deo Prakash Vidyarthi, "A Cloud Service Selection Model Using Improved Ranked Voting Method", Concurrency and Computation: Practice and Experience, Volume 28, Issue 13, pp. 3540-3567, 2016. (SCIE indexed), Impact Factor: 1.133
5. Gaurav Baranwal, Deo Prakash Vidyarthi, "Admission Control in Cloud Computing using Game Theory", Journal of Supercomputing, Volume 72, Issue 1, pp. 317-346, 2015. (SCIE indexed), Impact Factor 1.326
6. Gaurav Baranwal, Deo Prakash Vidyarthi, "A fair multi-attribute combinatorial double auction model for resource allocation in cloud computing", Journal of Systems and Software, Volume-108, pp. 60-76, 2015. (SCIE indexed), Impact Factor 2.444

International Conferences:

1. Gaurav Baranwal, Deo Prakash Vidyarthi, "A framework for selection of best cloud service provider using ranked voting method", Proceedings of IEEE International Advance Computing Conference (IACC), 2014, pp. 831-837.

2. Gaurav Baranwal, Deo Prakash Vidyarthi, "An econometric based model for resource scarcity problem in Cloud computing", Proceedings of IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 2014, pp. 1-6.

Book Chapters:

1. Aditya Naik, Gaurav Baranwal, "Allocation of Resource using Penny Auction in Cloud Computing", Intelligent Communication and Computational Technologies, Springer.