

## BOOKS

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1. Gaurav Baranwal, **Dinesh Kumar**, Zahid Raza, Deo Prakash Vidyarthi, "Auction based Resource Provisioning in Cloud Computing", **Springer Briefs in Computer Science, Springer**, 2018, ISBN 978-981-10-8737-0. <https://doi.org/10.1007/978-981-10-8737-0>

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1. Gaurav Baranwal, **Dinesh Kumar**, Deo Prakash Vidyarthi, "A Blockchain-aided Auction-based Resource Allocation in Edge Computing enabled Industrial Internet of Things", *Future Generation Computer Systems*, Elsevier, Volume 135, pp. 333-347, 2022. (SCIE Indexed, Impact Factor: 7.307), 2022. <https://doi.org/10.1016/j.future.2022.05.007>
2. **Dinesh Kumar**, Gaurav Baranwal, Yamini Shankar, Deo Prakash Vidyarthi, "A Survey on Nature-Inspired Techniques for Computation Offloading and Service Placement in Emerging Edge Technologies", **World Wide Web, Springer**. (SCIE Indexed, Impact Factor: 3.001), 2022. <https://doi.org/10.1007/s11280-022-01053-y>
3. **Dinesh Kumar**, Gaurav Baranwal, Deo Prakash Vidyarthi, "A Survey on Auction based Approaches for Resource Allocation and Pricing in Emerging Edge Technologies", **Journal of Grid Computing, Springer**. (SCIE Indexed, Impact Factor: 4.674), 2022. <https://doi.org/10.1007/s10723-021-09593-9>
4. **Dinesh Kumar**, Gaurav Baranwal, Deo Prakash Vidyarthi, "Fair Resource Allocation Policies in Reverse Auction based Cloud Market", **SN Computer Science, Springer**. Article number: 483, 2021. (Scopus Indexed). <https://doi.org/10.1007/s42979-021-00907-y>
5. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A Truthful Combinatorial Double Auction Based Marketplace Mechanism for Cloud Computing", **Journal of Systems and Software, Elsevier**, Volume -140, pp. 91-108, 2018. (SCIE Indexed), Impact Factor: 3.514. 2018 <https://doi.org/10.1016/j.jss.2018.03.003>
6. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A Survey on Spot Pricing in Cloud Computing", **Journal of Network and Systems Management, Springer**, Volume 26, No. 4, pp. 809-856, 2018. (SCIE Indexed), Impact Factor: 2.198. 2018 <https://doi.org/10.1007/s10922-017-9444-x>
7. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi, "A Systematic Study of Double Auction Mechanisms in Cloud Computing", **Journal of Systems and Software, Elsevier**, Volume-125, pp. 234-255, 2016. (SCIE Indexed), Impact Factor: 3.514. 2016 <https://doi.org/10.1016/j.jss.2016.12.009>
8. 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**, Volume-9, No. 1, pp. 83-96, 2018 (Scopus Indexed).2018 <https://doi.org/10.1504/IJGUC.2018.090230>

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1. **Dinesh Kumar**, Ashish Kumar Maurya, Gaurav Baranwal. “IoT services in healthcare industry with fog/edge and cloud computing”, in **IoT based Data Analytics for Healthcare Industry**, Elsevier, 2020. <https://doi.org/10.1016/B978-0-12-821472-5.00017-X>
2. Gaurav Baranwal, **Dinesh Kumar**, Deo Prakash Vidyarthi. “Feasibility of Providers’ Coalition in Reverse Auction based Cloud Market”, in **Handling Priority Inversion in Time-Constrained Distributed Databases**, pp. 119-129, IGI Global, 2020. <https://doi.org/10.4018/978-1-7998-2491-6.ch007>

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1. Mohd Aqib, **Dinesh Kumar**, Sarsij Tripathi, “Classification of Edge Applications using Decision Tree, K-NN, & SVM Classifier”, in 7th Students' Conference on Engineering & Systems(SCES-2022), MNNIT Allahabad, Prayagraj, 2022. (Accepted)
2. Gaurav Baranwal, **Dinesh Kumar**, “PoSP: A Novel Proof of Service Placement in Blockchain-based Edge Computing”, in 20th International Conference on Pervasive Computing and Communications (PerCom 2022), Pisa, Italy, 2022. (**CORE 2021 A\* conference**) <https://doi.org/10.1109/PerComWorkshops53856.2022.9767225>
3. Naval Kumar, **Dinesh Kumar**, Pragya Dwivedi, “Load Forecasting for EV Charging Stations Based on Artificial Neural Network and Long Short Term Memory”, in International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021), in BHU, Varanasi, India, 2021. [https://doi.org/10.1007/978-3-030-96040-7\\_37](https://doi.org/10.1007/978-3-030-96040-7_37)
4. Nitish Gupta, Ashutosh Soni, Yogesh Kumar Gond, **Dinesh Kumar**, “An E-healthcare System using IoT and Edge Computing”, in 2nd International Conference on Machine Intelligence and Smart Systems (MISS-2K21), in Gwalior, India, 2021. [https://doi.org/10.1007/978-981-16-9650-3\\_13](https://doi.org/10.1007/978-981-16-9650-3_13)
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6. Gaurav Baranwal, **Dinesh Kumar**. “DAFNA: Decentralized Auction based Fog Node Allocation in 5G Era”, in 15<sup>th</sup> IEEE International Conference on Industrial and Information Systems (ICIIS), IIT Ropar, India, 2020.<https://doi.org/10.1109/ICIIS51140.2020.9342683>
7. Gaurav Baranwal, **Dinesh Kumar**, Deo Prakash Vidyarthi. “A Multi-Criteria Framework for Smart Parking Recommender System”, in 6<sup>th</sup> IEEE International Smart Cities Conference, New Jersey, USA, 2020. <https://doi.org/10.1109/ISC251055.2020.9239098>

8. **Dinesh Kumar**, Gaurav Baranwal, Zahid Raza, Deo Prakash Vidyarthi. “Fair Mechanisms for Combinatorial Reverse Auction based Cloud Market”, Proceedings of 3<sup>rd</sup> International Conference on Information and Communication Technology for Intelligent Systems (*ICTIS*), 2018.  
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