

SONALI SHANKAR

Ph.D in Information Systems from Indian Institute of Technology (IIT) Delhi, India

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<https://scholar.google.com/citations?user=XUcoJKEAAAAJ&hl=en&oi=ao>



Experience

- Assistant Professor, Information Systems at IIM Sirmaur [November 2025 – Present]
- Assistant Professor, Information Systems & Analytics at OP Jindal Global University [July 2022 – October 2025]

Teaching Interest

- Management Information Systems, Introduction to Spreadsheet, Introduction to Machine Learning, Emerging Technologies for Business, Business Process Management.

Research Interest

- Information Systems for Sustainability, Information Systems for Social Good, Machine Learning for Decision Making, Emerging Technologies for Logistics Management.

Publication

- **Shankar, S., Punia, S. and Ilavarasan, P.V.** (2021), "Deep learning-based container throughput forecasting: a triple bottom line approach", *Industrial Management & Data Systems*. <https://doi.org/10.1108/IMDS-12-2020-0704>. Vol. 121 No. 10, pp. 2100-2117. (ABDC A)
 - **Shankar, S., Ilavarasan, P. V., Punia, S., & Singh, S. P.** (2019). Forecasting container throughput with long-short-term-memory networks. *Industrial Management and Data Systems*. Vol. 120 No. 3, pp. 425-441. <https://doi.org/10.1108/IMDS-07-2019-0370>. (ABDC A)
 - **Shankar, S., Punia, S., Singh, S. P., & Dong, J.** (2021). Trajectory of research on maritime transportation in the era of digitization. *Benchmarking: An International Journal*. Vol. 29 No. 1, pp. 194-216. <https://doi.org/10.1108/BIJ-05-2020-0272> (ABDC B)
 - Sanguri, K., **Shankar, S.**, Punia, S., & Patra, S. (2022). Hierarchical container throughput forecasting: The value of coherent forecasts in the management of ports operations. *Computers & Industrial Engineering*, 173, 108651. <https://doi.org/10.1016/j.cie.2022.108651> (ABDC A)
 - Punia, S., & **Shankar, S.** (2022). Predictive analytics for demand forecasting: A deep learning-based decision support system. *Knowledge-Based Systems*, 258, 109956. <https://doi.org/10.1016/j.knosys.2022.109956> (ABDC A)
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Selected International/National Conferences

- **S. Shankar** and M. M. Singh, "Modeling Blockchain For Different Industries in Developing Economy," 2024 11th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2024, pp. 446-450, doi: 10.1109/SPIN60856.2024.10511321
- Singh, M. M., & **Shankar, S.** (2024, March). Modeling Blockchain For Manufacturing Industry in Developing Economy. In *2024 International Conference on Recent Innovation in Smart and Sustainable Technology (ICRISST)* (pp. 1-6). IEEE. (10.1109/ICRISST59181.2024.10921745)
- **Shankar, S.** & Kesharbani, N. (2023). How does IS strategy drive sustainable business practices? – Role of IT capabilities from a Resource-based perspective. *Strategic Management Forum 2023*, IIM Tiruchirappalli, India.
- **Shankar, S.**, Kalra, K., & Vigneswara Illavarasan, P. (2022, December). Big Data Analytics for Food Delivery App Using Unstructured Data from Social Media. In *Congress on Smart Computing Technologies* (pp. 173-183). Singapore: Springer Nature Singapore. (10.1007/978-981-97-8096-9_14)
- **Shankar, S.**, Attri, S., & Ilavarasan, P.V. (2021). What makes MNC's B2B Freemium Model for Start-ups work in Emerging Market?: Insights from India. *ICEBA 2021 7th International Conference on E-Business and Application*. Proceedings publish in *ACM (Association for Computing Machinery) digital library*.
- **Shankar, S.**, & Ilavarasan, P.V (2019). Application of Deep Learning for Throughput Forecasting in Container Supply Chain. *Annual International Conference of Society of Operations Management, 2019*, IIT Kanpur, India.
- **Shankar, S.**, Ilavarasan, P.V, & Singh, S. P. (2019). Portfolio of time series forecasting models to predict container throughput at the port. *INFORMS Annual Meeting 2019*, Seattle, Washington, USA.
- **Shankar, S.**, Ilavarasan, P.V, & Singh, S. P. (2019). The content analysis on the 40 years of literature on ocean transportation. *INFORMS Annual Meeting 2019*, Seattle, Washington, USA.