

Faculty Profile



Name: Dr. SANDEEP KUMAR PANDA

Designation: Professor

Teaching Areas: Operating System, Computer Organization, Computer Networks

Research Interests: Blockchain, AI, Image Processing, Audio/Video processing, AR/VR/XR, Metaverse

Education:

- Ph.D., Computer Science and Engineering, KIIT University, Bhubaneswar, Odisha, 2016.
- M. Tech [Computer Science & Engineering]: College of Engineering, Bhubaneswar, Biju Pattnaik University of Technology, Rourkela, Odisha, INDIA [2009].
- B.E. [Computer Science & Engineering]: Seemanta Engg. College, North Odisha University, Mayurbhanj, Odisha, INDIA [2001].

Research / Selected Publications:

1. Panda, S.K., Satapathy, S.C. Drug traceability and transparency in medical supply chain using blockchain for easing the process and creating trust between stakeholders and consumers. *Pers Ubiquit Comput* (2021). <https://doi.org/10.1007/s00779-021-01588-3>
2. Panda, S.K., Jena, A.K., Panda, M.R. *et al.* Speech emotion recognition using multimodal feature fusion with machine learning approach. *Multimed Tools Appl* (2023). <https://doi.org/10.1007/s11042-023-15275-3>
3. S. K. Panda and S. N. Mohanty, "Time Series Forecasting and Modeling of Food Demand Supply Chain Based on Regressors Analysis," in *IEEE Access*, vol. 11, pp. 42679-42700, 2023, doi: 10.1109/ACCESS.2023.3266275.
4. Panda SK, Mohammad GB, Nandan Mohanty S, Sahoo S. Smart contract-based land registry system to reduce frauds and time delay. *Security and Privacy*. 2021; e172. <https://doi.org/10.1002/spy2.172>
5. Panda, S.K., Elngar, A.A., Balas, V.E., & Kayed, M. (Eds.). (2020). *Bitcoin and Blockchain: History and Current Applications* (1st ed.). CRC Press. <https://doi.org/10.1201/9781003032588>
6. *Blockchain Technology: Applications and Challenges*, Editors: Panda, S.K., Jena, A.K., Swain, S.K., Satapathy, S.C. (Eds.), Springer, Intelligent Systems Reference Library. <https://doi.org/10.1007/978-3-030-69395-4>.
7. Sandeep Kumar Panda, Vaibhav Mishra, Sujata Priyambada Dash, Ashis Kumar Pani, "Recent Advances in Blockchain Technology Real-World Applications", *Intelligent Systems Reference Library (ISRL, volume 237)*, 978-3-031-22835-3, Vol 1, pp: 1-317.
8. Sandeep Kumar Panda, Ramesh Kumar Mohapatra, Subhrakanta Panda, S. Balamurugan, *The New Advanced Society: Artificial Intelligence and Industrial Internet of Things Paradigm*, John Wiley & Sons, Vol:1, pp:1-512, DOI:10.1002/9781119884392