



Deepika Rani Sahu, M.Tech.

Designation : Assistant Professor

Department : Department of Computer Science and Engineering
(JOINED THE INSTITUTE IN 2022)

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RESEARCH INTERESTS

- ✓ Wireless Sensor Networks (Fault diagnosis, Fault tolerance)
- ✓ Sensor Networks in IoT

Academic Qualifications

- ✓ Ph.D. (Computer Science & Engineering) (Cont.), KIIT University, Bhubaneswar, India.
- ✓ M.Tech (Computer Science & Engineering), NIST, Berhampur, Odisha, India.
- ✓ B.Tech (Computer Science & Engineering), BPUT, Odisha, India.

Teaching Experience/Industrial Experience/Research Experience

- ✓ 11+ years of teaching experience

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

- [1]. Sahu, Deepika Rani, Niranjana Kumar Ray, and Pradyumna Kumar Tripathy. "A Review On Dependable Wireless Sensor Networks For Industrial IoT (IIOT)." In 2023 OITS International Conference On Information Technology (Ocit), Pp. 841-846. IEEE, 2023.
- [2]. Mohanty Sarthak, Deepika Rani Sahu, and Arunanshu Mahapatro. "Fault Detection Of Large Scale Wireless Sensor Networks Using Six Sigma Score." In 2018 International Conference On Recent Innovations In Electrical, Electronics & Communication Engineering (ICRIEECE), pp. 343-347. IEEE, 2018.

WORKSHOPS/SEMINAR/CONFERENCES ATTENDED

- ✓ Attended One week Faculty Development Programmer/Short Term Training Programme on Applied Optimization from 16th January to 20th January 2024, at NITTR Kolkatta.
- ✓ Attended AICTE Marg Darshan-sponsored Faculty Development Programme on "Big Data Analytics" from 9th January to 13th January 2023 at C.V.Raman Global University, Bhubaneswar, Odisha.
- ✓ AICTE Training and Learning(ATAL) Academy Online Elementary FDP on "Sensor Data Analytics" from 29th November to 3rd December 2021 at IIT Kottayam.
- ✓ AICTE Training and Learning(ATAL) Academy Online FDP on "Internet of Things(IoT)" from 14th December to 18th December 2020 at NIT Meghalaya.
- ✓ Attended Webinar series on "Innovative Applications of Internet of Things and Machine Learning", from 14th July – 15th July 2020.
- ✓ One Week Faculty Development Programme on "AI and Machine Learning", Jointly organized by E& ICT Academies at PDPM IIITDM Jabalpur, NIT Warangal, MNIT Jaipur, NIT Patna, 23rd December – 27th December 2019.
- ✓ One Week Faculty Development Programme on "Python Programming with Industry Perspective", Jointly organized by E& ICT Academies at PDPM IIITDM Jabalpur, NIT Warangal, MNIT Jaipur, NIT Patna, 2nd December-6th December 2019.
- ✓ Workshop on Academic Leadership, organized by National Institute of Science & Technology (Autonomous) during 15th – 17th July, 2019.
- ✓ Short-Term course on "Introduction to Programming: A Pedagogical Approach", conducted by E & ICT Academy, IIT Kanpur from 17th June to 21st June 2019.
- ✓ FDP on Artificial Intelligence and Machine Learning by E&ICT Academy, IIT Roorkee, 17th Dec-21st Dec, 2018. Workshop on Artificial Intelligence And Deep Learning organized by Bennett University and NIST, Berhampur, 1st September – 3rd September, 2018.
- ✓ Attended conference on International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering (ICRIEECE) held at KIIT, Bhubaneswar, July 2018.
- ✓ Attended AICTE QIP Short Term Course on Signal Processing for Wireless Communications and Sensor Networks, VSSUT, Burla, 30th Apr-05th May, 2018.
- ✓ Two-week ISTE Workshop on Computer Programming, NIST, IIT Bombay, 20th May-21st June, 2014.
- ✓ Modern Trends in Soft Computing and Security Issues, NIST, Berhampur, 23rd-28th September, 2013
- ✓ Wipro Mission 10X, Engineering Faculty Workshop, NIST, 20th-22nd November, 2013.

PROFESSIONAL CERTIFICATIONS

- ✓ ORACLE Certified Associate (OCA), Paper-I Cleared.