



Department of Artificial Engineering and Machine Learning Faculty Profile

Name : Shubhashree Sahoo
Designation : Assistant Professor (AI&ML)
Qualification : M.Tech.(Ph.D)
Total Experience : 6 years teaching & 4 years industrial
JNTUH ID : 7748-150413-160558
AICTE ID : 1-2635339568
E-Mail : shubhashree1451990@gmail.com
shubhashree@sphoorthyengg.ac.in
YouTube Channel : [@lifelessons2043](https://www.youtube.com/@lifelessons2043)
Certification : Qualified National Eligibility Test (UGC)
Award : Best Faculty Award by TKR Educational Society



Publications:

1. Selection of PSO parameters based on Taguchi design-ANOVA-ANN methodology for missile gliding trajectory optimization, Cognitive Robotics, 2023, 3, 158-172. <https://doi.org/10.1016/j.cogr.2023.05.002>
2. Parameter Optimization of genetic algorithm using Taguchi design for gliding trajectory optimization of missile, Defence Science Journal, 2024, 74, 127-142. <https://doi.org/10.14429/dsj.74.18496>.
3. D. Optimization performance comparative study of five different intelligence algorithms for gliding trajectory optimization of missile, Communicated in Multimedia Tools and Applications.

4. A Comparative Analysis of Iso-surface Generation Techniques for 3D Scalar Field Visualization, International Journal of Engineering Science and Computing (IJESC), Volume 10, Issue No. 7, 2020.
5. Improving Efficiency, Data Integrity and Effective Privacy Policy and Anonymous Data Sharing with Forward Security, International Journal of Computer Applications (IJCA), Volume 1, Issue 1, Jan–June 2019, pp.18–24, Article Id: Ijca_03_01_001.
6. Construction of Private Methodical Query Services in The Cloud with Rasp Data Commotion., International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT), Volume 3, Issue 1, Jan–Dec 2018, PP. 542-546.
7. Distributed Robotics and Ad Hoc Networking, International Journal of Research in Computer Applications and Robotics, vol. 4, Issue 10, October 2016, pp. 13-17.

Presentations in International Conferences:

1. Comparative performance analysis of genetic algorithm and differential evolution for optimization of missile gliding trajectory. 20th OITS International Conference on Information Technology-OCIT, 14-16th December, 2022, pp. 181-186. IEEE, doi: 10.1109/OCIT56763.2022.00043.
2. Comparative performance analysis of particle swarm optimization and artificial bee colony algorithm for optimization of missile gliding trajectory. 20th OITS International Conference on Information Technology-OCIT, 14-16th December, 2022, pp. 187-192. IEEE, doi: 10.1109/OCIT56763.2022.00044.
3. Big Data and the Internet of Things, International Conference on Systems, Science, Control, Communication, Engineering and Technology (ICSSCET), 16-17th February, 2017.

Participation in Workshops/ Seminars:

1. Participated in Yoga Utsav, E-Workshop for the faculty, Organized by IQAC & Dept of Physical Education on 20 June 2020.
2. Two days workshop on "BLOCK CHAIN TECHNOLOGY" from 12/06/2020 to 13/06/2020 organized by Department of Information Technology, Keshav Memorial Institute Of Technology.
3. Five days workshop o "Women Cyber Security and Privacy" from 06/07/2020 to 10/07/2020 organized by Department of Computer Science and Engineering, St Martin's Engineering College in association with CYBERPSY.

4. Webinar on “COVID-19-Problems and Challenges of Women” conducted by G. Narayanamma Institute of Technology and Science, Hyderabad in association with CIIWN on 27-06-2020.
5. Webinar on "Data Science: DynamoDB for High Traffic Websites" held on 03.07.2020, organized by the Department of Computer Science & Engineering, Nalla Narasimha Reddy Education Society's Group of Institutions.
6. Webinar on “Machine learning using R” organized by Department of Computer Science & Engineering, Vaageswari College of Engineering- Karimnagar on 07th June 2020.
7. Seminar on “INTERNET OF THINGS(IoT) AND DATA ANALYTICS” held under TEQIP-III during 23rd-24th March 2018 at Department of Computer Science & Engineering, University College of Engineering, Osmania University, Hyderabad in Association with VSSUT, Burla, Odisha.

Faculty development programs attended:

1. International Faculty Development Program on Gen-AI and Prompt Engineering Using Microsoft Co-Pilot organized by BNM Institute of Technology Bangalore (BNMIT) – Karnataka, 16th Sep to 20th Sep 2024.
2. Online Faculty Development Program on “DataScienceandAnalytics”, conducted during 7th–11th July, 2020, at Anurag University, Hyderabad.
3. Online Faculty Development Program on “Internet of Things (IOT)”, conducted during 2nd–6th June, 2020, at Anurag University, Hyderabad.
4. One-week Faculty Development Program on “Blockchain Architecture, Ethereum and Hyperledger (BAEH)” organized by Department of CSE, KITS-Warangal during 8-7-2020 to 12-7-2020.
5. Online Faculty Development Program on Advanced Data Processing Using ML, ANN & DL Organized by Department Of CSE, TKR College of Engineering & Technology During 13.07.2020 to 17.07.2020.
6. 4- Day online Faculty Development Program on “PYTHON PROGRAMMING” organized by Department of Computer Science and Engineering, K L Deemed University, Hyderabad from 15-07-2020 to 18-07-2020.
7. Four day faculty development programme on "Machine learning for Signal Processing and VLSI", Organized by Centre for Artificial Intelligence and Machine Learning, Department of Electronics and Communication Engineering, Anurag university, Hyderabad, India during 05-06-20 to 08-06-20.

8. Online Faculty Development Program on Data Science and Analytics, conducted during 7th–11th July, 2020, at Anurag University, Hyderabad.
9. One week FDP on “Outcome Based Education” organized by civil department of Teegala Krishna Reddy Engineering College, Hyderabad from 01-07-2019 to 06-07-2019.