

Name of Faculty Dr. N.Sudhakar Yadav
 Designation Associate Professor
 Nature of Job/Appointment Regular
 Date of Joining 01-11-2023
 E-mail Sudhakaryadavn_it@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE) JNTU, Anantapur	Awarded
PG	M.E. (CSE)	First Class
UG	B.Tech (CSE)	First Class

Work Experience

Teaching	15 Years
Research	08 years
Industry	--
Others	--
Area of Specialization	Big Data Analytics, Machine Learning, Data Science, Cloud Computing

Professional Memberships
 1. ISTE No: LM 62976
 2. IACSIT No: 80349397
 3. IAENG No: 294039

Responsibilities held at Institution Level

Responsibilities held at Department Level
 1. IT Department NAAC Criteria 6 Incharge -UG,
 2. IT Department NBA Criteria 3 member- UG

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.
 UG Level: Big Data Analytics, Python Programming, Machine Learning, Data Analytics, Data Analytics and Visualization
 PG Level: Data Structures and Algorithms

No. of Papers Published
 National Journals – 0 International Journals – 13
 National Conference – 0 International Conference – 11

Patents
 National: 01 (Published-01)
 Patent Details:
 1. Patent published on “A proficient method for categorical data clustering” Application number: 202041035585, Published on 18-08-2020 (National Patent: INDIA).

Technology Transfer --

Invited Speaker
 • Delivered guest lecture(as part of Two week online refresher course on “Internet of Things from 09-08-2021 to 24-08-2021) on “Big Data & IoT” on 13-08-2021 organized by UGC-HRDC, JNTUH University, Hyderabad.

- Delivered guest lecture(as part of STTP program) on “Lists, Tuples, Dictionary” on 18-03-2021 atMaharaj Ranjit Singh Punjab Technical University, Bathinda.
- Delivered guest lecture(as part of STTP program) on “Numpy and Pandas” on 18-03-2021 at Maharaj Ranjit Singh Punjab Technical University, Bathinda.
- Delivered guest lecturer(national level webinar) on “Data Visualization using Tableau”on 26-11-2021 at CMR University, Bangalore.
- Delivered guest lecturer on “Data Visualization using Tableau” on 20-03-2021 at ACE Engineering College, Hyderabad.--

No. of Books/Chapter Published with details

1. Yadav, N. Sudhakar, et al. "IoT and Big Data Analytics-Based Intelligent Decision-Making Systems." IoT and Big Data Analytics for Smart Cities. Chapman and Hall/CRC 101-119.

2. Yadav, N. Sudhakar, et al. "Sustainable Efficient Solutions for Smart Agriculture:Case study." IoT and Big Data Analytics for Smart Cities. Chapman and Hall/CRC 175-199.

3. Bharathi, J. J., Aravinth, S. S., Madhusudhanan, S., Rahamathunnisa, U., & Yadav, N. S.

‘Challenges and Roles of IoT and Big Data Analytics-Enabled Services in the Establishment of Smart Cities. In IoT and Big Data Analytics for Smart Cities (pp. 23-41). Chapman and Hall/CRC.

1. Organized a guest lecture on “Data Ingestion ETL Process” for B. Tech IT Students by Cognizant, US resource person on 30th January,2021 at VNR VJMET, Hyderabad.
2. Attended Two week Faculty Development Programme on Research Challenges and hands on Practice in Data Analytics & Artificial Intelligence organized by NIT Warangal and VNR VJMET from July 21-30,2022.
3. Attended “AWS Builders online series” organized by AWS on July,14,2022.
4. Attended STTP on “AI ML using Python” Series II organized by VNR VJMET from December 14-19,2020.
5. Attended STTP on “AI ML using Python” Series I organized by VNR VJMET from November 16-21,2020.
6. Attended 3 Days Entrepreneurial Summit- “TiE Global Summit-2022” from 12th to 14th December,2022 organized by TiE at Novotel Hyderabad Convention Centre, Izzathnagar, Kondapur, Telangana, India.
7. Attended “AWS Empower India” on 18th January,2023 organized by Amazon, India at Novotel Hyderabad Convention Centre, Izzathnagar, Kondapur, Telangana, India.
8. Attended “AWS Boot Camp” on 16th February,2023 organized by Amazon, India at T-Hub, Gachhibowli, Hyderabad.
9. Attended “ Innovation Day-IITH” along with 40 students on 07th January,2023 organized by IIT, Hyderabad.
10. Attended STARTUP INDIA CARNIVAL Celebrations of " National Startup Day" along with 30 students on 11th January,2023 organized by AIC ALEAP We-Hub, Hyderabad.
11. Visited T-Hub (Entrepreneurship Hub-Telangana) along with 15 IT Students to provide awareness on Entrepreneurship on 10th February,2023.

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Training (**Attended and/or Organized**).

Details of Conferences (**National and International**)

INSTITUTE

International Journals

1. N. Sudhakar Yadav et al published "An Optimized Load Balancing Strategy for an Enhancement of Cloud Computing Environment" *Wireless Personal Communications*, 1-21, May 2023. (Scopus Indexed)
2. N. Sudhakar Yadav et al published "Proficient job scheduling in cloud computation using an optimized machine learning strategy" *International Journal of Information Technology (Springer)*, 1-13, May 2023. (Scopus Indexed)
3. N. Sudhakar Yadav et al published "Dual stage ensemble technique for intrusion detection in cloud computing" *Web Intelligence*, vol. 21, no. 1, pp. 19-35, 2023 (Scopus Indexed)
4. N. Sudhakar Yadav et al published "HPO Using Dwarf Mongoose Optimization in the GAN Model for Human Gait Recognition" *International Journal of Safety and Security Engineering*, Vol. 13, No. 2, April, 2023, pp. 237-244 (Scopus Indexed)
5. Dr.N.Sudhakar Yadav et al. published "Effects of Integrated Fuzzy Logic PID Controller on Satellite Antenna Tracking System." *Computational Intelligence and Neuroscience 2022 (2022)*. (SCI and Scopus Indexed)
6. N. Sudhakar Yadav et al published "Multi objective task scheduling based on hybrid metaheuristic algorithm for cloud environment." *Multiagent and Grid Systems* 18.2 (2022): 149-169. (Scopus Indexed)
7. Dr.N.Sudhakar Yadav et al. published "Accessing Cloud Services using Token based Framework for IoT Devices" December 2021 in *Webolgo* 18(2):199-211 (Scopus Indexed)
8. Web Database Annotation for fast and accurate retrieval. *International Journal of Computer Science and Information Technologies(IJCSIT)*, ISSN online: 0975-9646, ISSN print: 7439-7442, Vol. 5 (6), 2014.
9. Dr.N.Sudhakar Yadav, P.Balakesava Reddy, Dr.G.Sreenivasulu "ML and IoT Based Real-Time Health Monitoring System For Domestic Animals "
10. N. Sudhakar Yadav, B. Eswara Reddy, K. G. Srinivasa: An efficient sensor integrated model for hosting real-time data monitoring applications on cloud. *Int. J. Auton. Comp.* 3(1): 18-33 (2018)
11. Yadav, S., Reddy, B. E., & Srinivasa, K. (2018). A Centralized Health Monitoring System Using Health Related Sensors Integrated to the Mobile. *International Journal of Vehicular Telematics and Infotainment Systems (IJVTIS)*, 2(1), 68-79.
doi:10.4018/IJVTIS.2018010105
12. Yadav, S., Reddy, B. E., & Srinivasa, K. (2018). Handling Medical Emergencies Through Better Interaction With Real-World Entities via GSM. *International Journal of Vehicular Telematics and Infotainment Systems (IJVTIS)*, 2(1), 48-67. doi:10.4018/IJVTIS.2018010104
13. N. Sudhakar Yadav, K. G. Srinivasa, B. Eswara Reddy, : An IoT-Based Framework for Health Monitoring Systems: A Case Study Approach. *International journal of Fog Computing*. 2(1): Pages: 18, 2019

International /National Conferences

1. Presented paper on "Skin Pathology Detection using Artificial Intelligence" in *Proceedings of IEEE International Conference on Signal Processing, Computing and Control, 2021, 2021-October*, pp. 373–376 (Scopus Indexed) (link:<https://www.scopus.com/authid/detail.uri?authorId=57203820682>)
2. Presented paper on "Artificial Intelligence based Algorithms for Driver Distraction Detection: A Review" in *Proceedings of IEEE International Conference on Signal Processing, Computing and Control, 2021, 2021-October*, pp. 383–386 (Scopus Indexed) (link:<https://www.scopus.com/authid/detail.uri?authorId=57215325004>)
3. Presented paper on "An Automated Rescue and Service System with Route Deviation Using IoT and Blockchain Technologies" in *IEEE MysuruCon 2021-The First Edition of the Flagship International Conference Series of IEEE Mysore Subsection in association with IEEE Bangalore Section hosted by the house of Sri. M S Ramaiah, NAVKIS College of Engineering, Hassan during 24th & 25th October 2021.* (IEEE Xplorer: <https://ieeexplore.ieee.org/document/9641574>)
4. Presented paper on "The Improved Effectual Data Processing In Big Data Executing Map Reduce Frame Work" in *IEEE MysuruCon 2021-The First Edition of the Flagship International Conference Series of IEEE Mysore Subsection in association with IEEE Bangalore Section hosted by the house of Sri. M S Ramaiah, NAVKIS College of Engineering, Hassan during 24th & 25th October 2021.* (IEEE xplorer link: <https://ieeexplore.ieee.org/document/9641660>)
5. Sudhakar Yadav, N., Ramasubbareddy, S., Ravikanth, M. (2022). Neural Network- Based Activity Recognition System. In: Saini, H.S., Sayal, R., Govardhan, A., Buyya, R. (eds) *Innovations in Computer Science and Engineering. Lecture Notes in Networks and Systems*, vol 385. Springer, Singapore. https://doi.org/10.1007/978-981-16-8987-1_54.
6. Presented paper on "Mushroom Classification using Machine Learning Techniques" in *IPDIMS- International conference organized by NIT Rourkela during 30 & 31st, December, 2021*
7. Presented paper on "Predictive and Behavioral Analytics for Big Data Architecture " in *IPDIMS- International conference organized by NIT Rourkela during 30 & 31st, December, 2021.*

8. Presented paper on “ Rice dicease detection and classisfication using Artificial Intelligence” in ICISPES-2021 - 1 st International Conference on Innovations in Signal Processing and Embedded systems (ICISPES-2021) (Springer) organized by MLRIT Hyderabad, 22-23, October,2021
9. Presented paper on “Advancements of Artificial Intelligence in Microbiological Study by Extraction and Identification of Different Micro-organism Clusters” in ICISPES- 2021 - 1 st International Conference on Innovations in Signal Processing and Embedded systems (ICISPES-2021) (Springer) organized by MLRIT Hyderabad, 22-23,October,2021
10. Presented paper on “Applications of Artificial Intelligence for Autonomous Landing and multicopter unmanned aerial vehicles design by space exploration machines” in ICISPES-2021 - 1 st International Conference on Innovations in Signal Processing and Embedded systems (ICISPES-2021) (Springer) organized by MLRIT Hyderabad, 22-23, October,2021
11. Sudhakar Yadav, Eswar Reddy, K.G. Srinivasa,Cloud Based Healthcare MonitoringSystem using Storm and Kafka. The International Conference, Towards Extensible and Adaptable Methods in Computing (TEAMC 2018) held in during 26-28 March, 2018, under the aegis of Netaji Subhas Institute of Technology (NSIT), New Delhi. Springer, CCIS Series (S. Chakraverty et al. (eds.), Towards Extensible and Adaptable Methods in Computing, https://doi.org/10.1007/978-981-13-2348-5_8,Springer Nature Singapore Pte Ltd. 2018).

