



## Department of Data Science

### Faculty Profile

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### Publications:

1. S. Jana, Arun Aram, **B. Yuvaraj**, K. Jaya Deepthi, K. Manikandan, Ch Veera Kiranmayi, **Navigating Urban Gridlock: Deep Learning for Predicting City-Wide Traffic Congestion in Smart Cities**, INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, July 2024, Volume:12(23s), ISSN:2147-67992.
2. P. Nithya, R. Narmadha, **B. Yuvaraj**, Gnanajeyaraman Rajaram, V. Selvakumar, R. Selvakumari (July 2024), **Maximizing Energy Efficiency: Optimized Deep Reinforcement Learning Model for Big Data in Cloud Environments**, INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, July 2024, Volume:12(23s), ISSN:2147-67992.
3. **B. Yuvaraj**, Karanam Ramesh Rao, R. Anbarasu and G. Kadirvelu (July 2024),

**Enhancing AI-Driven Sensors with Decision Tree Algorithms for Advanced Data Science Applications**, ICTACT JOURNAL ON MICROELECTRONICS, July 2024, VOLUME: 10, ISSUE: 02, ISSN: 0976-9102 (ONLINE).

4. M. Parameswari, **B. Yuvaraj**, S. Thunmilvannan and E. Munuswamy (May 2024), ***PSO Based Deep Belief Networks Learning for IoT Based Crop Disease Detection On Paddy Leaves Using Cloud***, ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, May 2024, VOLUME: 14, ISSUE: 04, ISSN: 0976-9102 (ONLINE).
5. D.C.Jullie Josephine, **B. Yuvaraj**, Sathesh Abraham Leo, S.Thumilvannan (September 2023) **“Image Representation And Rendering From Low-Resolution Surveillance Videos Using Densenet”**, ICTACT JOURNAL ON IMAGE AND VIDEO PROCESSING, NOVEMBER 2023, VOLUME: 14, ISSUE: 02, ISSN: 0976-9102 (ONLINE).
6. S.Thumilvannan, **B. Yuvaraj**, C.Srivenkateswaran, V.Balammal (September 2023) **“Design Of Efficient Routing Paths Using Similarity Estimation Based Stochastic Gradient Descent In Wireless Sensor Network”**, ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY, SEPTEMBER 2023, VOLUME: 14, ISSUE: 03, ISSN: 2229-6948(ONLINE).
7. **B. Yuvaraj**, S.Thumilvannan, D.C.Jullie Josephine, Sathesh Abraham Leo (July 2023) **“A Hybrid Machine Learning Approach For Early Detection Of Paddy Blight Disease”**, ICTACT JOURNAL ON SOFT COMPUTING, JULY 2023, VOLUME: 13, ISSUE:04, ISSN: 2229-6956(ONLINE)
8. A.Sairam, D.Sasikumar, R.Senthilkumar and **B. Yuvaraj** (March 2023) **“Enhanced Analysis of Blockchain Based Security Systems In Financial Institutions”**, ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY, MARCH 2023, VOLUME: 14, ISSUE:01, ISSN: 2229-6948(ONLINE)
9. **B. Yuvaraj** and Dr.C. Suresh Gnana Dhas,(2018) **“Optimal Cost And Path Selection In Domain-Specific Search Engines Using Multi-Objective Reinforcement Learning ”** Journal of Advance Research in dynamical and Control Systems, ISSN : 1943023X, Institute of Advanced Scientific Research.

10. **B.Yuvaraj** and Dr.C.Sureshganadhas (2015) “ **Using Base Line Methods Ranking on Data with Sink Points**’, **Australian Journal of Basic and Applied Sciences**, 9(10) Special 2015, Pages: 125-130.
11. **B.Yuvaraj** and Dr.C.Sureshganadhas (2015) “**Survey of Ranked Inputs with Join Queries On Incremental Methods**’, **International Journal of Applied Engineering Research (IJAER)**, Volume 10, Number 52 (2015) *Special Issues*. pp.132-147.

## **Presentations in International Conferences:**

1. **B. Yuvaraj, S. Thumilvannan, D.C. Jullie Josephine, C. Srivenkateswaran, Divya. K,** “An Optimal Attribute-Focused Privacy-Preserving Anonymization Scheme for Healthcare Data in Cloud Systems”, **2023 4th International Conference on Smart Electronics and Communication (ICOSEC-2023)**
2. B.Yuvaraj, Dr.C.Suresh Gnana Dhas , “**Using Base Line Methods Ranking On Data With Sink Points**”, International Conference on Electrical, Electronics and Computer Engineering (ICEECE-15).
3. B.Yuvaraj, Dr.C.Suresh Gnana Dhas , “**A Review On Mining User- Aware Rare Using Sequential Topic Patterns In Document Streams**”, Second International Conference of Innovative Trends in Engineering and Technology (ICITET-17).

## **Patents Published:**

1. "IOT AND EMBEDDED SENSOR BASED SMART VENTILATOR SYSTEM FOR COVID 19 PATIENTS"  
Application No.202341078938 A  
Publication Date: 15/03/2024
2. "A DEEP LEARNING METHOD DIRECTED FOR A NOVEL DRUG FORMULATION DEVELOPMENT".  
Application No. 202341000576  
Publication Date: 27/01/2023