

Dr. K.Sreekala

Assistant Professor

Education Qualifications: Doctor of Philosophy (Computer Science)
Specialization: Grid Computing, AI & ML



ADDRESS:

- D – Block -Room No -001B

JNTUH ID:

2605-180703-133913

EMAIL: ksrikala_cse@mgit.ac.in

DATE OF JOINING: 01-08-2018

EXPERIENCE - 20 Years

- Teaching - 19
- Research -5
- Industry -1

SUMMARY:

- Recent Publications -8
- Recent Conferences - 3
- Recent Patents – 4
- Recent Books – 3
- Recent Book Chapters - 2
- Honors/Awards - 3

EVENTS:

- Attended - 60

LET'S MEET ON SOCIAL:

<https://www.facebook.com/srikala.keshetti> □

<https://www.linkedin.com/in/k-srikala-614189238>

Membership of Professional Bodies:

1. **Life Member of International Association of Engineers (IAENG), LM 259556.**
2. **Computer Science Teachers Association (CSTA), 198358001139**
3. **Internet Society (Life time member of Asia – Pacific Region-member of Chennai chapter)- member id – 2222221**
4. **I2OR (International institute of organized research)-member id-757**

Responsibilities Held at Institution Level:

1. Coordinator, STRIDE, UGC Quality Initiative Program.

Responsibilities Held at Department Level:

1. Department Research Activities

Honors/Awards Received:

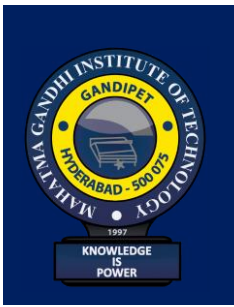
1. Outstanding Women Researcher Selected by Venus International Women Awards.
2. Outstanding Woman Award by TAPA in 2023.
3. Best Teacher award by TAPA in 2024.

Courses Handled at Under Graduate /Post Graduate Level:

- **UG:** Machine Learning, Artificial Intelligence, Natural Language Processing, Elements of Computer Science and Engineering and Design Patterns
- **PG:** Conversational AI, Cyber Security and Software Project Management

Publications:

1. Sreekala et al. "Plant disease classification using novel integration of deep learning CNN and graph convolutional networks", Indonesian Journal of Electrical Engineering and Computer Science Vol. 36, No. 3, December 2024, pp. 1721~1730 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v36.i3.pp1721-1730 indexed in Scopus.
2. K. Prashantha Kumar, Keshetti Sreekala et al. "An Overview of Agricultural Desalination for Irrigation Purposes and Quality Parameter Analysis", Journal of Environmental Protection and Ecology 25, No 6, 1936–1946 (2024), indexed in Scopus.
3. Sreekala et al." An Early and Precise Diagnosis of Alzheimer Disease," International Research Journal of Multidisciplinary Scope (IRJMS), 2024; 5(4):668-678, | ISSN (O): 2582-631X DOI: 10.47857/irjms.2024.v05i04.01208 indexed in Scopus.
4. Sreekala et al. "Capsule Network-Based Deep Transfer Learning Model for Face Recognition", Wireless Communications and Mobile Computing Volume 2022, Article ID 2086613, 12 pages (SCIE)

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5. Sreekala et al, "Skin Diseases Classification Using Hybrid AI Based Localization Approach", Computational Intelligence and Neuroscience Volume 2022, Article ID 6138490, 7 pages <https://doi.org/10.1155/2022/6138490> (SCIE)
6. Sreekala et al, "Deep convolutional neural network with Kalman filter based objected tracking and detection in underwater communications", Wireless Networks, [\(https://doi.org/10.1007/s11276-023-03290-z\(0123456789\(\).,-volV\)\(0123456789\(\).,-volV\)](https://doi.org/10.1007/s11276-023-03290-z(0123456789().,-volV)(0123456789().,-volV)) (SCIE)
7. Keshetti Sreekala and B. Indira, "Organizing IoT Health care based on FOG Computing: CORONA Tasks Scheduling based on the Priority" Advances and Applications in Mathematical Sciences, ISSN 0974-6803, Volume 20, Issue 12, 2021, Pages 3194-3204 (WoS, ESCI)
8. Keshetti Sreekala. "Lineaments and Resultant Consequences, Potential Solvent of Latency and consumption of energy in IoT" Advances and Applications in Mathematical Sciences, ISSN 0974-6803, Volume 20, Issue 12, 2021, Pages 32193233(WoS, ESCI).

Conferences:

1. Sreekala et al. "Hybrid Kmeans and ML Classification Approach for Credit Card Fraud Detection", 2024 3rd International Conference for Innovation in Technology (INOCON) (SCOPUS).
2. Sreekala et al. "A Novel Integration of Hierarchical Clustering and Ensemble Classification Algorithms for News", ICC- Robins 2024. (SCOPUS).
3. Sreekala et al. "Human Imitation in Images and Videos using GANs," Greuze ID: 01. GIJET, 2022 (SCOPUS)

Patents:

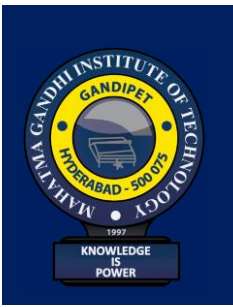
1. Patent on "ADVANCING PRECISION AND EARLY WARNING MECHANISMS FOR GLOBAL SAFETY THROUGH AI DRIVEN DISASTER PREDICTION SYSTEMS" was published on 14-3-2025, No: 202511010673
2. Patent on "ENHANCING AGRICULTURAL PRODUCTIVITY WITH IOT, AI, AND ML: A SMART APPROACH TO CROP MONITORING" was published on 20-9-2024, No: 202441069200
3. Patent on "GENETIC INNOVATIONS AND MACHINE LEARNING FOR ENHANCING CROP TRAITS AND PROMOTING SUSTAINABLE AGRICULTURE" was published on 22-11-2024, No: 202441088290
4. Patent on "Artificial intellectual based Automatic Drug discovery and drug recommended System for Doctor based Patient details using Deep Learning algorithms" was Published on 05-01-2024 No: 202341081599

Books:

1. Published a book on "AI Applications" Jan 2024, ISBN: 978-9-3613-2624-0, SIPH
2. Published a book on "The Era of Artificial Intelligence and Machine Learning," July 2022, ISBN: 978-93-94304-52-9, GCS
3. Published a book on Data Structures and Algorithms using C," in 2022, ISBN: 978-93-56251-64-9, SIPH

Book Chapters Published:

1. Published a Chapter on "Protecting and Mitigating Against Advanced Threats: Deploying Artificial Intelligence and Machine Learning" in the book titled "Protecting and Mitigating Against Advanced Threats: Deploying Artificial Intelligence and Machine Learning" Wiley Publishers in 2025.
2. Published a Chapter on "Adaptive Ensemble of ML Regressors and LSTM for Stock Price Prediction" in the book titled "Computational Intelligence in Pattern Recognition" in Lecture notes networks and systems Springer Publishers in 2025.



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Events Organized:

FDPs/STTPs:

1. One FDP on Cyber Security in 2022.

Events Attended:

FDPs/STTPs:

1. Attended around 60 FDPs in Emerging Technologies like AI, ML and Cyber Security.

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Attended around 10 Refresher Courses in between 2020-2025.

Online Certifications:

1. Completed around 10 online certifications from Coursera and NPTEL.