



SRI SHRIDEVI CHARITABLE TRUST (R.)

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY



NAME: Dr. DIVYA RANI R
Designation: Associate Professor
Department: Department of MCA, SIET

Date of Joining	24-09-2025		
Professional Experience	Teaching	Industry	Research
	13	-	6

Contact Details	
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Academic Background
- Ph.D. in Computer Science from Kuvempu University. - MCA from Department of MCA and Computer Science, Kuvempu University. B. Sc. (P.M.Cs.) from Kuvempu University. - Successfully Qualified in UGC-NET and KSET.

Areas of Interest	
- Machine Learning - Data Science	- Artificial Intelligence - Algorithms

Significant Publications
- No. of Papers Published in Journals : 03 - Divya Rani R., and Prabhakar C. J., "Combining Handcrafted Spatio-temporal and Deep Spatial features for effective Human Action Recognition," International Journal of Human-Centric Intelligent Systems (HCIN), Vol. 5, Issue 1, pp. 123-150, 2025. DOI: https://doi.org/10.1007/s44230-025-00095-5. (Springer)

- **Divya Rani R.,** and Prabhakar C. J., “Vision Transformer-based Model for Human Action Recognition in Still Images,” *International Journal of Computational Analysis and Applications (JoCAAA)*, Vol. 33, No. 08, pp. 522–531, 2024. DOI: <http://www.eudoxuspress.com/index.php/pub/article/view/1366>. (Scopus)
- **Divya Rani R.,** and Prabhakar C. J., “Comparative Study of Vision-based Techniques for Recognizing Human Actions in Videos,” *International Journal of Machine Learning and Cybernetics*. (Springer) (Scopus) (Accepted)
- **No. of Papers Presented in Conferences : 05**
 - **R. Divya Rani** and C. J. Prabhakar, “ViTHAR: Vision Transformers for Human Action Recognition in Videos,” *In the Proceeding of 2024 Fourth IEEE International Conference on Multimedia Processing, Communications and Information Technology – MPCIT-2024*, 13-14th Dec 2024, Shivamogga, India, 2024, pp. 358-363, DOI: 10.1109/MPCIT62449.2024.10892707. (IEEE) (Scopus)
 - **Divya Rani R.,** and Prabhakar, C. J. "Human Action Recognition in Videos Using Inception-v4 Deep Learning Model," *In the Proceeding of 2024 IEEE Second International Conference on Advances in Information Technology (ICAIT)*, 24-27th July 2024, Chikkamagaluru, India, 2024, pp. 1744-1749, DOI: 10.1109/ICAIT61638.2024.10690470. (IEEE) (Scopus)
 - **Divya Rani R.,** and Prabhakar C. J., “Comparative Study of Vision-based Deep Learning Techniques for Human Action Recognition in Videos,” *In the Proceedings of International Conference on Applied Artificial Intelligence (AAI)*, 2-4th July 2024, at the Shoolini University, Solan, Himachal Pradesh, India, Springer LNCS Series, 2024. (Springer)
 - **R. Divya Rani** and C. J. Prabhakar, "Human Action Recognition by Concatenation of Spatio-Temporal 3D SIFT and CoHOG Descriptors using Bag of Visual Words," *In the Proceeding of 2022 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (DISCOVER)*, 14-15th Oct 2022, Shivamogga, India, 2022, pp. 255-260, doi: 10.1109/DISCOVER55800.2022.9974645. (IEEE) (Scopus)
 - **Divya Rani R.,** and Prabhakar C. J., “An Overview of Computer Vision-based Techniques for Human Action Recognition,” *In the proceeding of International Conference on Innovative trends in Electronics and Communication (ICINEC-2019)*, 30-31st Dec 2019, Shivamogga, India, 2019, pp. 296-304. (ISBN No: 978-93-83985-20-3)
- **Book Chapters : 01**
 - **R. D. Rani** and C. J. Prabhakar, “Comparative Study of Vision-based Deep Learning Techniques for Human Action Recognition in Videos,” *Communications in computer and information science*, pp. 164–176, Aug. 2025, doi: https://doi.org/10.1007/978-3-032-00793-3_14
- **List of FDP’s/Workshops :**

Conferences:

 1. Participated and presented a research paper in Fourth IEEE International Conference on Multimedia Processing, Communications and Information Technology - MPCIT 2024, Organized by IEEE Mangalore Sub-Section at JNNCE, Shivamogga, India, during 13th – 14th December 2024.
 2. Participated and presented a research paper in Second IEEE International Conference on Advances in Information Technology (ICAIT-24). Organized by the Department of Computer Science & Engineering, AIT, Chikkamagaluru, Karnataka, India, during 24th – 27th July 2024.
 3. Participated and presented a research paper in 2024 International Conference on Applied Artificial Intelligence (AAI), 2nd July – 4th July 2024, held at Shoolini University, Solan, Himachal Pradesh, India.
 4. Participated and presented a research paper in 2022 IEEE Two Day International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics (2022 IEEE DISCOVER), 14 – 15th October 2022, Organized by IEEE Mangalore Sub-Section at JNNCE, Shivamogga, India.

5. Participated in the Two-Day International Conference on “Innovative Trends in Electronics and Communication” at Department of Electronics, Kuvempu University, Shivamogga, India from 30th December to 31st December 2019.
6. Attended in the Two-Day National Conference on “Computational Sciences and Soft Computing NCCSSC 2017” in association with IIIT Allahabad and ISTE New Delhi, organized at JNNCE, Shivamogga, held on 14th December to 15th December 2017.
7. Participated in the UGC sponsored Two Day National Conference on “Network Security, Image Processing and Information Technology” at Sahyadri Arts College, Shivamogga, from 17th March to 18th March 2017.

Workshops:

1. Participated in UGC Sponsored Workshop on “Machine Learning and Its Applications” organized by the Department of Computer Science and MCA, Kuvempu University, Shankaraghatta, Shivamogga, during 21st March to 23rd March 2024.
2. Participated in Kuvempu University sponsored Faculty Training programme on “Artificial Intelligence Course,” organized by Kuvempu University, Shankaraghatta, Shivamogga on 21st Feb 2023.
3. Participated in UGC Sponsored Two-day Workshop on “Machine Learning and Deployable Artificial Intelligence” organized by the Department of Computer Science and MCA, Kuvempu University, Shankaraghatta, Shivamogga, during 29th March to 30th March 2022.
4. Attended in One-week virtual workshop on “Artificial Intelligence Workshop 2021” from 15th November to 21st November 2021, organized by St. Claret College, Bangalore in coordination with AiCHEF Club. (Online)
5. Organized and attended in UGC Sponsored One week workshop on “Mathematics of Machine Learning and Data Sciences with Applications” from 18th March to 24th March 2021, organized in Department of Computer Science and MCA, Kuvempu University, Shankaraghatta, Shivamogga.
6. Attended Two days Hands-on workshop on “Introduction to Machine Learning: Object Recognition and NLP with Tensorflow” by SCALAR EDGE on 4th July to 5th July 2020. (Online)
7. Attended One Day NVIDIA workshop on “Artificial Intelligence/Machine Learning and Deep Learning” held on 22nd May 2020 by Digital Track Solutions. (Online)
8. Attended One Day workshop on “Research Methodology” held on 27th March 2019 at Kuvempu University, Shivamogga.
9. Participated in Five Days National Level workshop on “DSP and Image Processing through Machine Learning” organized by the Department of Electronics and Communication Engineering, J. N. N. College of Engineering, Shivamogga during 8th Jan to 12th Jan 2019.
10. Attended Five Days workshop on “Visual Object Recognition” organized by the Department of Computer Science, Mangalore University during 15th Jan to 19th Jan 2018.
11. Organized and attended One Week National Level workshop on “Advanced Technologies in Computer Science” in the Department of MCA and Computer Science, Kuvempu University, Shivamogga, from 22nd February to 27th February 2016.
12. Attended Five Days workshop on “Machine Learning and Its Applications” organized by the Department of Computer Science & Engineering at MSRIT, Bengaluru, from 13th July to 17th July 2015.
13. Organized and attended Three Day National Level workshop on “Pattern Classifiers” in the Department of MCA and Computer Science, Kuvempu University, Shivamogga, from 26th March to 28th March 2015.
14. Attended One Day workshop on “Modern Machine Learning Applications” organized by JSS Research Foundation, Mysuru, on 24th January 2015.
15. Attended Three Day National Level workshop on “Mathematics behind Machine Learning” at SJCE, Mysuru, from 21st August to 23rd August 2014.
16. Attended a Two-Day Workshop on “Recent Advances in Machine Learning” at SJCE, Mysuru, from 15th May to 16th May 2013.

Seminars:

1. Organized and attended One Day a UGC Sponsored Seminar on “Research and Development in Computing Technologies” in the Department of MCA and Computer Science, Kuvempu University, Shivamogga, on 26th November 2016.
2. Attended a Five-Day National Seminar on “Multimedia Data Analysis” at SJCE, Mysuru, from 26th April to 30th April 2016.

Webinars:

1. Attended One Day webinar on “Hands on Introduction to Machine Learning” held on 8th August 2020 organized by Department of Computer Science and Engineering of B. P. Poddar Institute of Management & Technology. (Online)
2. Attended National One day webinar on “The Art of Reviewing the Literature by Integrating Technology” on 17th July 2020, organized by Internal Quality Assurance Cell (IQAC) and Research Forum, MES College Erumely, Kerala. (Online)
3. Attended One day webinar on “Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley” on 1st May 2020, organized by Kurukshetra University, Kurukshetra. (Online)

- **Project Guided details:**

Supervised MCA and M.Sc. (Computer Science) students for more than 50 application-oriented projects and research-oriented projects.

Achievements

- **Editorial Board Member :** NIL
- **Reviewer for:** Expert Systems with Applications, Multimedia Tools and Applications, ANTIC-2024/2025