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**Dr. A. Manju** is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She holds a Ph. D degree in the field of Computer Vision and Video Analytics from Saveetha Institute of Medical and Technical Sciences (SIMATS) since 2022. She has 16 years of teaching experience with good programming skills. She is a certified EMC Academic Associate in Data Science & Big Data Analytics and also certified in various courses from Coursera and NPTEL. She has published articles in National and International Journals, Conferences and Symposiums.

**Area of Research:**

Computer Vision, Deep Learning and Video Analytics

**Selected Publications:**

1. A. Manju, A. Revathi, M. Arivukarasi, S. Hariharan, V. Umarani *et al.*, "Fuzzy rule-based model to train videos in video surveillance system," *Intelligent Automation & Soft Computing*, vol. 37, no.1, pp. 905–920, 2023. <https://doi.org/10.32604/iasc.2023.038444>
2. Manju, A., Kaladevi, R., Hariharan, S., Chen, S. Y., Kukreja, V., Sharma, P. K., Alqahtani, F., Tolba, A., & Wang, J. (2023). Early Diagnosis of Lung Tumors for Extending Patients' Life Using Deep Neural Networks. *Computers, Materials and Continua*, 76(1), 993-1007. <https://doi.org/10.32604/cmc.2023.039567>
3. Manju, A., Valarmathie, P. "Video analytics for semantic substance extraction using OpenCV in python". *J Ambient Intell Human Comput* **12**, 4057–4066 (2021). <https://doi.org/10.1007/s12652-020-01780-y>.
4. A.Manju, "Fuzzy Rule Based Model For Semantic Content Extraction In Video Big Data" in ARPN Journal of Engineering and Applied Sciences (ISSN 1819-6608), Vol. 13, No. 09, May 2018.
5. A.Manju, "A STUDY ON ORGANIZING MULTIMEDIA BIG DATA", IJIEST (ISSN 2455-8494), Vol.01, No.01 January 2016.

6. A.Manju, "Organizing Multimedia Big Data Using Semantic Based Video Content Extraction Technique", IEEE Conference on International Conference on Soft-Computing and Network Security (ICSNS -2015), Feb. 25 – 27, 2015, ISBN: 978-1-4799-1753-2/15.

**Patents:**

1. IOT based finger decontamination device.365820-001, Publication Date: 13/04/2023.
2. Design system of AI powered technology analyzes and annotates X-Rays for dentists. 202241057059, Publication Date:14/10/2022.
3. Diabetes monitoring patch for visually impaired persons using Artificial Intelligence. 202141002323, Publication Date:22/01/2021.

**Professional Bodies:**

1. Member in Internet Society (Member ID: 2232980)
2. International Association of Engineers (IAENG) (Member No:125962), Hongkong, HK.
3. Institute For Engineering Research and Publication (IFERP) (Member ID : PMIN90751236), Chennai, Tamil Nadu, IN.
4. The Indian Society for Technical Education(ISTE) (Member ID: LM 136337)

**Google Scholar:**

<https://scholar.google.com/citations?user=8FuAxeMAAAAJ&hl=en>

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