Faculty Profile

Name:　　　　　**Dr. P. CHAKRADHAR**

Designation:　　　**Senior Assistant Professor**

Teaching Areas:　Operating System, Data Structures and Algorithms, Image Processing, Deep Learning, and Computer Vision.

Research Interests: Vision based Smart Classroom Analytics, Affective Computing, and Human Facial Emotion Analysis.

Education:
- Ph.D., Computer Science and Engineering, VNIT, Nagpur, Maharashtra, 2024.
- M.Tech., Computer Science, NIT, Trichy, Tamil Nadu, 2010.
- B.Tech., Computer Science and Engineering, KTRMCE, Telangana, Aff. JNTU-H, 2008.

Research / Selected Publications:

Journals:
- **Pabba Chakradhar**., & Praveen Kumar, (2022). An intelligent system for monitoring students' engagement in large classroom teaching through facial expression recognition. *Expert Systems*, 39(1), e12839. https://doi.org/10.1111/exsy.12839

- **Pabba Chakradhar**., Bhardwaj, V. & Praveen Kumar, A visual intelligent system for students' behavior classification using body pose and facial features in a smart classroom. *Multimed Tools Appl* **83**, 36975–37005 (2024). https://doi.org/10.1007/s11042-023-16388-5

- **Pabba Chakradhar**., Praveen Kumar, A vision-based multi-cues approach for individual students' and overall class engagement monitoring in smart classroom environments. *Multimed Tools Appl* **83**, 52621–52652 (2024). https://doi.org/10.1007/s11042-023-17533-w

Conferences:
- S. K. Pandey, **Pabba Chakradhar** and Praveen Kumar, "Unobtrusive Classification of Student Behavior in Real Classroom Settings Using a Video Dataset," *2024 IEEE International Conference on Integrated Circuits, Communication, and Computing Systems (ICIC3S)*, Una, India, 2024, pp. 1-6, https://doi.org/10.1109/ICIC3S61846.2024.10603263

- S. P. Desai, S. V. Hanji, M. M. Munshi, **Pabba Chakradhar**, S. Naik and S. K. Pare, "Impact of outbound training on student engagement in management education: An AI based computer vision approach," *2024 IEEE North Karnataka Subsection Flagship International Conference (NKCon)*, Bagalkote, India, 2024, pp. 1-6, https://doi.org/10.1109/NKCon62728.2024.10775121