



SRINIVAS UNIVERSITY

Mangalore-575001, Karnataka (India)

Srinivas Research Centre for Image Processing and Artificial Intelligence



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About the Research Centre

Image processing technology concentrates on the development of data extraction techniques applied towards the statistical classification of visual imagery. In classical image processing systems, an image is preprocessed to remove noise, segmented to produce close object boundaries, analyzed to extract a representative feature vector, and compared to ideal object feature vectors by a classifier to determine the nearest object classification and its associated confidence level. The applications in industry include fingerprint or retina recognition, processing records of security or traffic cameras. The applications in medicine include ultrasound imaging, magnetic resonance.

Artificial Intelligence (AI) can be determined as intelligence executed by manufactured or man-made system. It is an attempt to make a machine behave in ways that would be called intelligent if a human were to do the same thing. The main objective of an Artificial Intelligence based system is to attain a human level of intelligence. Intelligence is the potential to learn, understand and think about things. It is a popular intellectual ability that involves capability to reason, plan, resolve complications, think abstractly, perceive ideas and learn.

This research centre is an initiative in the field of computer science and engineering at

Srinivas University College of Engineering and Technology (S.U.C.E.T), focusing various activities in the area of Image Processing and Artificial Intelligence. With the active participations from faculties and students of SUCET, this centre wish to contribute by means of research and teaching activities in this sphere and also intending to present papers in the field of Image Processing and Artificial Intelligence at national and international seminars and conferences apart from conducting a large number of training programs in this domain. This also proposes an industry-academic partnership to form many of its activities.

Objectives of Srinivas research centre for Image Processing and Artificial Intelligence

- Developing teaching materials and preparing working papers.
- Organize workshops / seminars / conferences
- Conducting certificate programmes for aspirants
- Undertaking research and consultancy studies.
- Preparing engineering graduates for the Image Processing and Artificial Intelligence domain.

List of Publications

- A paper titled “Computer Aided Diagnosis of Breast Cancer using Mammograms” is presented in International Conference on ICETSE-2017 held at Coorg Institute of Technology, Ponnampet and published in the International Journal of Emerging Research in Management and Technology (IJERMT).
- A paper titled “Detection Of Breast Cancer using Image Processing Technique” is presented in National Conference on NCRACES-2017 held at GSSS Institute of Engineering & Technology for Women, Mysuru, in association with Instrument Society of India (ISOI) and International Journal of Computer Application (IJCA).
- A paper titled “Comparative Study on the Various Techniques used to Compose Web Services Using Semantic Approach” is presented in National Conference on Multimedia and Information Security (NCMIS-14) held at NMAMIT, Nitte.
- A paper titled “A Survey: Structure and Usage Web Mining Algorithms is presented in International Conference on Information and Communication Technologies (ICICT-14) held at PESITM, Shimoga.
- A paper titled “SMS Based Discovery and Composition of Syntactic Web Services Provided by Mobile Devices” is presented in International Conference on Emerging Trends in Engineering (ICETE-14) held at NMAMIT, Nitte.
- A paper titled “Video Encryption Using RSA” is presented in International Conference on Advanced Computing, Networking and Security (ADCONS2011) held at NITK, Surathkal.