

Dr. DYANA A - BIOGRAPHY

Dr. Dyana A graduated her Bachelor of Engineering in computer science and engineering from Dr. Sivanthi Aditanar College of Engineering, Tiruchendur in 2002. She completed her Master of Technology in Computer and Information Technology from Manonmaniam Sundaranar University, in 2004. She was awarded Doctor of Philosophy from Indian Institute of Technology (IIT) Madras, Chennai in 2010 for her research work on “Video Object Representation for Content Based Video Retrieval (CBVR)”. She is honoured as distinguished (eminent) alumni of visualization and perception laboratory, Dept. of CSE in IIT Madras for her research work. She joined Electronics and Radar Development Establishment (LRDE), Defense Research and Development Organization (DRDO), Bangalore as Scientist in 2009. She has worked for the development of Ground Penetrating Radar system for detecting landmines and Improvised Explosive Devices. She has developed novel image processing algorithms for landmine detection using Ground Penetrating Radar. In her career, she has worked on image enhancement, image compression, object representation, detection and recognition and has published in refereed international journals and conference papers. Her research interests are in the areas of radar imaging techniques, image processing and computer vision and pattern recognition. Recognizing her work in LRDE, she is recommended by DRDO as one of the young scientist team to form Center for Adaptive Sensing Technology (CFAST) under the initiative of Prime Minister Narendra Modi. Pertaining to the goal of the center, she is currently working on futuristic high resolution radar imaging and target recognition techniques.