**Report on Virtual Research Symposium Series**

IEEE Computational Intelligence Society Chapter - IEEE Gujarat Section and Ahmedabad University organised second talk under its Virtual Research Symposium Series with details as follows.

Title: Recent Trends in brain Tumor analysis

Speaker:  Rupal Agravat, PhD Scholar, Ahmedabad University

Mode: Virtual

Date: 23.03.2021

Time: 1100 am to 12.15 pm

Participants: 30 under graduate students, PhD scholars, faculty members from Gujarat participated in the talk.

**Abstract:**

Glioma is the deadliest brain tumor with high mortality. Treatment planning by human experts depends on the proper diagnosis of physical symptoms along with Magnetic Resonance (MR) image analysis. Highly variability of a Glioma brain tumor in terms of size, shape, location, and a high volume of MR images makes the analysis time-consuming. Automatic tumor analysis achieves a reduction in time with excellent reproducible results. The objective of the talk focuses on the recent trends of the Glioma brain tumor analysis which includes: 1) Glioma segmentation techniques, 2) patient’s overall survival prediction techniques, and 3) techniques for uncertainty prediction in tumor segmentation.

**About Speaker:**

Rupal Agravat works as an Assistant Professor at the Institute of Technology, Nirma University. She is pursuing her PhD on "Robust Brain Tumor Segmentation for Overall Survival Prediction". She has 18 years of teaching experience. Her research area includes Digital Image Processing, Medical Imaging, Deep Learning. She has published around 15 research articles in National / International Journal/Conferences..