Title of the Project : IMAGE IDENTIFICATION AND RECOGNITION USING NOVEL HYBRID ARCHITECTURE DEVELOPMENT FOR SATELLITE IMAGES

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**ABSTRACT**

The continuous innovation and development of satellite technology has brought the world closer together. At present, there are thousands of artificial satellites in the world, and the number of spacecraft working in orbit is increasing. With the constant exploration of outer space, there is inevitably a large quantity of space debris, e.g., lacquer, satellite debris. But, nowadays even with the advancement of technology there is still a lag in predicting the space crafts and the related targets in an accurate manner. In this project we will be focusing on developing a novel architecture by effectively modifying squeezenet for determining the different types of satellite images, where four different kind of pre-processing techniques as well as two different optimization techniques will be used to increase the accuracy of the proposed model. By this project, we will be able to determine any kind of satellite images given as an input to the generated model. Thus, we propose a solution for the determination of spacecraft with the most accurate prediction by developing a novel architecture.