# PANIMALAR ENGINEERING COLLEGE

An Autonomous Institution

Bangalore Trunk Road, Varadharajapuram, Nasarathpettai, Poonamallee Chennai – 600123.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SYSTEM FOR IDENTIFYING AGGRESSIVE BEHAVIOURS IN PUBLIC PLACES USING CNN MODEL

TITLE OF THE PROJECT:

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**ABSTRACT:**

Detection of unusual human behavior in public places has been a tedious process if we do it as manual process. As it is an important task, human process may be random and unpredictable and classification of suspicious behavior of human can be very difficult. So, we are proposing a system which works as an Automated Surveillance System to detect and track suspicious human behavior. Automated surveillance allows for the monitoring of human activity in sensitive and well-known places including bus stops, train stations, airports, banks, shopping centers, schools, colleges, parking lots, and roadways in order to prevent terrorism, theft, accidents, illegal parking, fighting, chain snatching, crime, and other shady activities. All the procedures used to identify human activity in surveillance videos have generally been covered in the literature. These procedures include foreground object extraction, object detection using feature extraction, activity analysis, and recognition. In our project, we have decided to overcome the drawbacks of the existing systems by using CNN (Convolutional Neural Networks) Model. The primary goal of video surveillance is to replace the current passive version so that aberrant human activity may be recorded and, after analysis, an alert can be generated through alarms to stop odd activity.