

A Project Report

On

Target Detection & Tracking

Submitted for the partial fulfillment of the requirement

for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE & ENGINEERING

by

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Under the Guidance of

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April 2019



DECLARATION

This is to certify that the Project entitled “**Target Detection & Tracking**” in partial fulfillment of the requirement for the award of the **Degree of BACHELOR OF TECHNOLOGY in COMPUTER SCIENCE & ENGINEERING** submitted to **DIT University, Dehradun, Uttarakhand, India**, is an authentic record of bonafide work carried out by me, under the guidance of Rohit Kamboj (IBM Trainer).

The matter embodied in this Project/Thesis/Dissertation has not been submitted for the award of any other degree or diploma to any University/Institution.

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CERTIFICATE

This is to certify that the Project entitled “**Target Detection & Tracking**” in partial fulfillment of the requirement for the award of the **Degree of BACHELOR OF TECHNOLOGY** in **COMPUTER SCIENCE & ENGINEERING** submitted to **DIT University, Dehradun, Uttarakhand, India**, is an authentic record of bonafide research work carried out by

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ABSTRACT

This project is to recognize and identify the moving objects for (specific) interest, and to track those moving objects throughout their life spans. This project aims for the existing challenging issue in the area of unsupervised surveillance and security. This project also aims to solve the issue that video feeds can't be processed in real time and we cannot track the object in real time with accuracy. In this project deep neural network have been implemented to provide accuracy and we divided its functionalities into modules to make up for the speed. This algorithm can be implemented to process video feed of the drones or sniffers and help the controller to identify the target and trace its path in real time view. This project was implemented in 3 months & it involves going through research work on object tracking & trying to develop the best out of it. The results are included in this report and we would be working on its future expansion to increase speed and accuracy & make it more effective for ease of use in standard system.

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