A

Project Report

On

OBJECT TACKING IN VIDEO USING PYTHON

Submitted to

Department of
Computer Science and Engineering

By

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Under the guidance

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2022-2023

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**OBJECT TACKING IN VIDEO USING PYTHON**" is submitted by KOTAGIRI MEGHANA(206Y1A0547), KASURI RAMYA(206Y1A0540), KANUKUNTLA SWAPNA SRI(206Y1A0538) and DULLAPELLY KATHYAYANI(206Y1A0523) to the department of Computer Science and Engineering during academic year 2022-23.

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ABSTRACT

This project was an attempt at developing object detection and tracking system using modern computer vision technology. The project delivers an implemented tracking system. It consists of a hybrid of optical and modern infra-red technology and is applicable to areas such as unsupervised surveillance or semi-autonomous control. It is stable and is applicable as a standalone system or one that could easily be embedded into an even larger system. The project was implemented in 5 months, and involved research into the area of computer vision and robotic automation. It also involved the inclusion of cutting-edge technology of both the hardware and software kind. The results of the project are expressed in this report, and amount to the application of computer vision techniques in tracking animate objects in both a 2 dimensional and 3 dimensional.

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