



DEPARTMENT OF INFORMATION TECHNOLOGY
Maturi Venkata Subba Rao Engineering College, Nadergul, Hyderabad
(An Autonomous Institution)
(Sponsored by Maturi Education Society, Estd.1980)
(An ISO 9001:2008 Certified Institution)

Academic Year: 2024-25
Summer Internship Evaluation - II

Date: 13-09-2024

Title of the Case Study: Traffic Sign Recognition

Abstract

Traffic sign recognition is a crucial component of Advanced Driver Assistance Systems (ADAS) that enhances road safety and driving efficiency. This project focuses on developing an accurate and robust traffic sign recognition system using advanced machine learning algorithms, specifically deep learning models, to analyze and interpret traffic signs in real-time, ultimately contributing to the enhancement of autonomous driving systems. By training on a diverse dataset of traffic sign images, the system learns to recognize various signs, such as speed limits, stop signs, and warnings, even under different lighting and weather conditions. The primary goal is to integrate this recognition system into ADAS technology to assist drivers by providing timely and accurate information about road signs, thereby reducing accidents and improving overall driving experience. The project aims to create a robust, real-time solution that enhances safety and navigation for drivers.

Student details:

S.No.	R.No.	Name	Domain	No. of Weeks
1.	2451-21-737-071	Veerla Deeksha	Data Science	10 Weeks
2.	2451-21-737-072	Suraj Reddy Dommata	Data Science	10 Weeks
3.	2451-21-737-080	Silveeri Lokesh	Data Science	10 Weeks

Summer Internship Coordinator Signature