Automated identification of vehicles using deep learning neural network

Guide Name	Panel Head
Mrs. Vijayalakshmi M	Dr.M.Kanchana

Faculty Advisor	Project Domain
Dr.V.Deeban Chakravarthy	Deep Learning

Student(s) Details: Name

1. V.G.Hari Kiran
2. S.SRIRAMA KUMARA SWAMY

Passport size photo(s)

Registration Number(s)

1.RA1911003010840

2.RA1911003010827

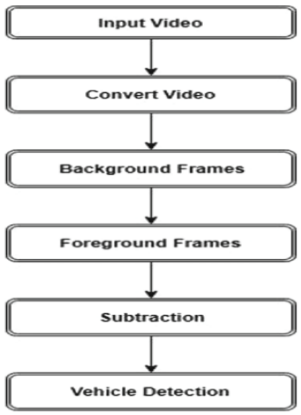
Email ID(s)&Mobile Number(s)

1: vg9396@srmist.edu.in	2: ss7988@srmist.edu.in
9110354548	9603546918

Abstract

Recently, there has been a developing interest inside the use of non-glaring structures including radar and infrared automobile recognition systems. Modern non-intrusive systems can file up to 8 styles of automobiles. Video structures, possibly the maximum non-intrusive detection structures, can handiest report very coarse classification levels (up to four classes) in spite of the most green vision structures. In the prevailing look at, a gadget vision machine became advanced that could document extra accurate car category in step with the FHWA scheme and is also similar with different non-intrusive reputation systems.

Architecture Diagram



Significance of the Project

Overall, the significance of automated identification of vehicles lies in its potential to improve safety, Enhanced Security, Traffic Control, Law Enforcement, Automated Toll Collection, Insurance and Fleet Management, security, and efficiency in various domains, making it a valuable technology for society.

Conclusion

In conclusion, the project of automated identification of vehicles using deep learning neural networks is a significant technological advancement with promising applications in various fields. Its potential benefits for society are vast, and the technology is expected to continue to evolve and improve in the future.

Conference/Journal Publication Details (If Any)

ICIOT- International conference on Internet of Things 2023