

College of Engineering and Technology

Project Work/Internship – Student Hand Book

Degree/ program	B.Tech	Specialisation	Computer Science & Engineering
Academic Year	2022-2023 (Even)	Semester	8

Name of student	Register Number	Department	Mobile Number	Email ID
S Srirama Kumara Swamy	RA1911003010827	CSE	9603546918	ss7988@srmist.edu.in
V.G. Harikiran	RA1911003010840	CSE	9110354548	vg9396@srmist.edu.in
Course Code	18CSP109L	Course Title	Project	

Mission Statement

Working Title of the Project:		AUTOMATED IDENTIFICATION OF VEHICLES USING DEEP LEARNING NEURAL NETWORKS	
Project Site / Location		Offline.	
Name and address of the company / organisation (Applicable for projects with industry or industry support)		SRM IST, Kattankulathur, Chengalpattu District-603203	
Supervision Team			
	Supervisor	Co-Supervisor	External Supervisor (If applicable)
Name	M. Vijayalakshmi		
Designation	Associate Professor		
Department	Department of Computer Technologies		
Campus	Kattankulathur		
Telephone	9884450223		
E-mail	vijayalm@srmist.edu.in		

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Problem (or) Product Description:

The task of identifying and classifying different types of vehicles from video footage is a bit challenging.

The existing methods for vehicle identification and classification often rely on handcrafted features and heuristic algorithms, which may not be robust and accurate in complex and dynamic environments.

A Deep learning neural networks offer a promising approach to automate the identification of vehicles, but designing and training a deep learning model that can handle a large number of images and videos in real-time requires significant expertise and resources.

Assumptions and Constraints

This project aims to develop a deep learning neural network model to identify and classify different types of vehicles from video footage in real-time. It involves collecting and pre-processing a large dataset of vehicle images and videos, designing and optimizing the deep learning model, integrating it into a real-time system, and creating a user-friendly dashboard to display the results. Assumptions include the availability of relevant hardware and software resources.

Stakeholders

M.Vijayalakshmi, V.G.Harikiran, S Srirama Kumara Swamy, doctors and radiologists.

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Division of work and contributors

Time period		Activities or components of the project	Name/Register Number of the Individual Contributor	Names/Register Number of the Joint Contributors
From Date	To Date			
02/01	04/01	Research Work		Harikiran Sriram
05/01	06/01	Introduction		Harikiran Sriram
10/01	11/01	Literature Survey		Harikiran Sriram
12/01	15/01	Flowcharts		Harikiran Sriram
07/02	16/02	Methodology		Harikiran Sriram
17/02	20/02	Worked on PPT Contents		Harikiran Sriram
21/02	23/02	Worked on Coding Snippets	Harikiran	
23/02	28/02	Dataset	Sriram	
01/03	15/03	Block Diagrams		Harikiran Sriram
15/03	18/03	Conclusion,Future Enhancement		Harikiran Sriram
19/04	25/04	Worked on ICIOT Conference		Harikiran Sriram
27/04	05/05	Worked on Project Report		Harikiran Sriram
27/04	05/05	Worked on PPT		Harikiran Sriram
27/04	05/05	Worked on Other Project Documents.		Harikiran Sriram

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Summary record of major progress meetings with supervisors

Summary record of major progress meetings with supervisors			Working title of dissertation/research project:	
Meeting date & supervisors present	Progress since last meeting	Agreed programme of work and target dates	Other issues, e.g. facilities, supervision, training needs, etc.	Date of next meeting
06/01/2023 M.Vijayalakshmi	0th Review	Presented our idea, Abstract, introduction to mam.		
18/02/2023 M.Vijayalakshmi	1st Review	Novelty of the project		
18/03/2023 M.Vijayalakshmi	2nd Review	Code snippets Presentation Demo		

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06/05/2023 M.Vijayalakshmi	3rd Review			

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Worksheet / Data collection / Observation etc

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Journal Publication Details

ICIOT – International Conference of Internet Of Things