Ideation Phase
Literature Survey

Date	03 September 2022
Team ID	PNT2022TMID31413
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

S.No	Author	Paper Title	Journal & Year	Remarks / Critics
1.	Ashish Dhar	Traffic and road condition monitoring system	Indian Institute of Technology, Mumbai. - 2008.	• Reports severity, intensity and dimension of a damaged road segment. • Proposed a different solution using AMR Magnetic Sensor.
2.	Pooja Pawar, Suvarna Langade, Mohini Bandgar	IOT Based digital Notice Board using Arduino ATMega 328.	International Research Journal of Engineering and Technology(IRJET). - 2019.	• Circulates notice regularly & reduce physical efforts. • Send message at any distant location within a second.
3.	Sandeep Chaware, Trushitha Chaware.	Proposed Algorihm for Smart Traffic Control using Ultrasonic Sensor.	International Journal of Engineering and Advanced Technology(IJEAT). - 2019.	The outcome of the project is to learn insights of the traffic controlling and management at the signal with the dynamically changing in timing of timer as per need.
4.	Kamna Singh, Deepa Bura	IOT: distinct algorithms for the Sensor Connectivity with Comparative Study between node MCU and Arduino MCU.	NVEO Journal – 2021	• Presents different algorithms for the connection between different types of sensors. • Brief description of node MCU & Arduino MCU. • Stepby step solution to provide connectivity with IOT technology.

5.	Jack Greenhaigh	Recognizing Text Based Traffic Signs.	IEEE – 2015	• Detect all possible Road sign candidates. • Reduce total regions based on contextual constraints.

				A Novel System for the automatic detection and recognition of text in traffic sign based on MSER & MSV.
6.	Bhumika.R, Harshita. S.A, Meena. D, Asha. N	Accident Prevention and Road Safety in Hilly Region using IOT Module	International Research Journal of Engineering and Technology(IRJET). – 2021	Stay away from mishap & forestall clog in sloping region & hairclip twist. As a significant part of street mathematical plan bended street portion
7.	Sowparnika. B	IOT Road Safety		This project paves a system to alert the driver about the speed limit in specific areas and to reduce the speed of vehicles in sensitive public zones without any interference of drivers where controls are taken automatically by use of wireless local area network.
8.	S.S. Sugania, D. S. Vishalis Hwaran, J. Vignesh Kumar.	Automated System for Road Safety Enhancement using big data reports.		The speed is controlled accordingly to situations to give suggestions. The suggested system can control the vehicle but at same time can collect data and manipulate it using the big data technologies.

9.		IOT Based Smart Road Safety & Vehicle Accident prevent System for Mountain roads.		▯ This system is divided into 2 half (Accident Detection & Prevention) and alerting the members of family by causation message and placement of accidental place.
10.	Shweta Vyas, Pooja Awhale, Shreya Kukdeja, Prashant Jawalkar.	A Modern Approach to identify Traffic Sign Symbols in Color Images.		▯ In this technique proposed more reliable and robust method of Traffic Sign Detection Recognition (TSDR).
11.	Deepika K. N, Sangeetha Thirumoorthy.	Internet Of Things Based Notifications using Smart Notice Board.	Sri Krishna College of Technology. - 2018	▯ By using this system in the field of wireless communication we can make communication more effective, fast and very easy handling method. ▯ With the help of this, displaying of notices can be updated by every second from anywhere and anytime through a mobile phone.
12.	Chai K. Toh, Juan-Carlos Cano, Carlos Fernandez-Laguia, Pietro Manzoni, Carlos T. Calafate.	Wireless digital traffic signs of the future.	The Instituition of Engineering and Technology(IET)	▯ In this architecture notify the sign can be narrated via voice to driver, in addition to displaying on the dashboard. ▯ Changing a sign is easy as reprogramming it with advanced electronics and radio hardware embedded into poles, will be present to transmit programmed traffic signs wirelessly on the road.