Traffic Signal Management System

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Abstract: - *India is home to the world's second-largest road network. The Indian Road networks have a total length of 5.4 millionkilometres! As a result, it serves as a big deadline for the Indian government to supply immaculate roads at all times. Driving in Indian streets is a nuisance that no one wants to go through, whether they are an ordinary or millennial Indian. Poor road quality owing to high traffic is one of the most common traffic issues. - Because of the heavy usage of private vehicles, metropolitan roads are extremely congested, resulting in a decline in road quality. Most of the time, this results in constant traffic congestion. Noise pollution and air pollution, particularly in urban areas- Other health-harming difficulties, including as air and sound pollution, arise as a result of the sheer size of traffic problems. As a result, the suggested system is a solutionthat dynamically controls traffic depending on several critical criteria such as time of day, road condition, and so on. The technique allows for an equitable distribution of traffic congestion around the area.*

Keywords: - Traffic, Jam Factor, Dynamic Traffic Control, Machine Learning, etc.

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