

Traffic Lights Management System

We recently conducted an interview with police officers and drivers to pinpoint any issues with our Traffic Lights Management System. Our goal is to work together to come up with solutions that will enhance traffic flow, safety, and overall efficiency. By involving both law enforcement and drivers, we can gain valuable insights from those who use the system regularly. This data-driven approach will inform future improvements, resulting in reduced congestion, increased safety, and more efficient roadways for everyone in the city.

Interviewee: -Policeman -Drivers	Interviewer: -Meshal Okairy 2237836 -Muayad Bajandooh 2237970 -Omar Bakhedar 2237708
Questions:	Answers:
1. What do you think are the main causes of traffic jams at traffic lights in your area? (Select all that apply)	a. Poor synchronization of traffic lights b. Inadequate traffic flow analysis c. Lack of real-time traffic monitoring d. Insufficient pedestrian and cyclist prioritization e. Other (please specify)
2. Do you prefer access within the city limits or throughout the entire country?	I prefer each city to have access within itself, and for the capital city to have access to all other cities.
3. Would you prefer to integrate the new system with the old one or keep them separate but working together?	I prefer it to be integrated but if this will make the system complex or if the system will have glitches, then make it separate since the project is very sensitive.
4. What suggestions do you have for improving traffic light management during special events or emergencies, when traffic patterns may be disrupted?	It would be beneficial to install timers on all traffic lights and prioritize Sustainable Transportation.
5. How satisfied are you with the accessibility and safety of pedestrian crossings at traffic lights in your area?	(Very Satisfied, Satisfied, Neutral, Dissatisfied, Very Dissatisfied)
6. On a scale of 1 to 5, how satisfied are you with the current traffic light system in your area?	1 is very dissatisfied and 5 is very satisfied

7. What features or improvements would you like to see in the traffic light system to reduce traffic jams?	Utilize the statistics offered by this system to their fullest potential.
8. How important do you think it is for your city or municipality to invest in advanced traffic management technologies to reduce traffic jams?	(Very Important, Important, Neutral, Unimportant, Very Unimportant)
9. Please share your thoughts on the effectiveness of these initiatives in reducing traffic congestion.	If this initiative is applied correctly, congestion will be greatly reduced.
10. Would you be willing to use a mobile app that provides real-time information about traffic light timing and suggests alternate routes to avoid congestion?	(Yes/No)
11. Do you want to know traffic statistics? If so, who will have access?	Yes, I want traffic statistics to identify congested areas and causes. Access will be granted to statisticians for the purpose of generating reports.
12. Have you ever experienced traffic congestion or jams caused by inefficient traffic light management in your area?	(Yes/No)
13. How often do you encounter traffic jams at traffic lights in your daily commute?	(Rarely, Occasionally, Often, Always)
14. Are there any specific intersections or areas in your city where you frequently encounter traffic jams caused by traffic lights?	There are many congested areas, particularly main roads during rush hour, which require attention.
15. Do you believe that public transportation and alternative transportation options (e.g., cycling, walking, ridesharing) should be better integrated with traffic light management to reduce congestion?	(Yes/No)