

Palestine Technical University-Kadoorie

College of Engineering and Technology

Department of Computer Systems Engineering

Course name:

Software Engineering

Project title:

**DESIGNING WEBSITE FOR POLICE TRAFFIC VIOLATION IN TULKARM**

By:

Duha Haded – 202110428

Ilham Qassrawi– 202111495

Raya Yahya– 202110032

Razan Abd-Alghani – 202110275

Supervisor:

Dr. Osama Hamed

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**Introduction:**

Traffic refers to the movement of vehicles, pedestrians, or other entities on a road or transportation network. It typically refers to the congestion or the flow of vehicles on the roads, and it can vary in intensity and speed depending on various factors such as the time of day, weather conditions, road capacity, and local events.

Traffic management also involves the use of traffic laws and regulations, such as speed limits, lane discipline, and enforcement of traffic rules to ensure the safety of all road users. Additionally, advancements in technology have led to the development of smart traffic management systems that use sensors, cameras, and data analysis to monitor traffic conditions in real-time and provide adaptive traffic control.

A traffic ticket is a notice issued by a [law enforcement](https://en.wikipedia.org/wiki/Law_enforcement" \o "Law enforcement) official to a [motorist](https://en.wikipedia.org/wiki/Driving" \o "Driving) or other road user, indicating that the user has violated [traffic laws](https://en.wikipedia.org/wiki/Traffic" \o "Traffic). Traffic tickets generally come in two forms, citing a [moving violation](https://en.wikipedia.org/wiki/Moving_violation" \o "Moving violation), such as exceeding the [speed limit](https://en.wikipedia.org/wiki/Speed_limit" \o "Speed limit), or a non-moving violation, such as a [parking violation](https://en.wikipedia.org/wiki/Parking_violation" \o "Parking violation), with the ticket also being referred to as a parking citation, or parking ticket.

In modern society, traffic violations have become a common occurrence that pose a serious threat to public safety and order. According to various studies, traffic violations can be categorized into different types such as errors, speed violations, stunts and safety violations. To address this issue, it is important for individuals to possess proper knowledge of traffic laws and regulations. Legal knowledge is known to influence people's behaviors, and familiarity with traffic laws can help avoid deliberate violations. Moreover, several studies have revealed that traffic violations can lead to an increase in the number of accidents on roads. However, some also argue that the monitoring of traffic violations can have both positive and negative impacts on road safety

**Abstraction**

Our project targets policemen and all drivers, as the project aims to develop a solution to the problem of violations and the driver’s lack of knowledge of this violation for various reasons, the most important of which is the violation paper flying when placed on the car windshield.

In general, the goal of the project is to inform the driver of the violations that he must pay, and thus make it easier for him to know the violation in terms of its type and the amount determined according to the type, and the policeman can issue the violation according to the number of the violating car.