Project Design Phase-II

Customer journey map

User journey

Phases

The users must have the conscious about the traffic signs.	The NFC tag would be compulsorily placed in all vehicles.	Use Heart beat sensor to detect the driver status.	To reduce the accidents it is important to manage the vehicles properly.

Steps

The drivers must have the driving license.	Knowledge of traffic rules and regulations.	Develop the right attitude about driving.	Identify and tracking using radio waves.	Install speed governor device.	Use NFC tags to communicate wuth active NFC devices.	Use ultrasonic sensor to detect the object distance.	Using LCD display,Traffic congestion are displayed.	GPS sensors placed in the vehicles.	Drivers should maintain the vehicles in proper condition.	To maintain oil and coolant levels.	Warning light that reminds drivers that their vehicle needs a service.

Feelings 👍

NFC technology brings more benefits.	To avoid accidents and keep the passengers safe.	This technology improves road conditions in pit area.	To provide more efficient travel.	More strategic traffic management.	To provide Accident free techniques.	Less risk of damage.	This technique provides flexible service.	Prevent accidents and injuries	Provide better traffic signs.	Speed limits are detected early.	Cheapest and most profitable.

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Main cause of accidents and crashes are due to human errors.	There will be occur violation charges.	Vehicle damage leads to financial problems.	Huge economic losses because of slow transportation.	Traffic congestions ,which make lost a lot of time	Emotional injuries and medical costs.	There can be traffic delays and breakdowns.	Toll charges are high.	Risk of goods being damaged,especially over long distances.	Speeding remains a leading cause of accidents.	Major causes of environmental factor and mechanical factor.	Crowded at rush hours.

Pain points

Fatalities occurring has attained its peak with more death rates.	The volume of traffic and passengers are very large.	Direct consequences of accidents like injury and property damage.	Roads are inadequate and bad.	Due to poor lighting there will be occur accidents.	Due to wrong indication of traffic signs.	Many check points will be irritate for drivers.	Bad weather conditions affects the driving.	Road signs are ignored because of their mentality.	Increase traffic can increase carbon emissions.	Severity of air pollution.	Lack of coordination.

Opportunities

To provide the latest NFC technique.	Reduce the vehicles speed.	Avoid the accidental death rate.	NFC is an low cost way to connect android.	Provides data transfer that allows smartphones.	NFC enabled card payments are more secure.	*Improves the road safety measures.*	NFC tags are available in affordable prices.	Goods for location tracking and identity verification.	Tags have a long lifespan.	Drain is going to be very less.	This NFC provides the best service to the drivers.