Subject: In Turkey, there are too many traffic accidents. Every year around 10,000 people die in the traffic accidents.

OF (OBJECTIVE FINDING)
- To decrease the amount of the traffic accidents.
- To decrease the bad consequences of the traffic accidents.
- To make people more careful in the traffic to cause less fault.
- To make people aware of the amount and the results of the traffic accidents.
- To eliminate the eradicable effects of people on the traffic accidents.
- To make people more conscious to obey the traffic rules.
- To make people more conscious and well-informed about the importance of driving a car in the traffic.
- To ensure more free of risk and more free of danger in the transport on the roads and in the traffic.
- To educate the youngs (new generations) to have more conscious generations on the roads in the future.

Summary of OF
- To make society more conscious about the traffic accidents to reduce the amount of occurrence of it and to reduce the death rate of the traffic accidents.

FF (FACT FINDING)
- All people especially drivers and pedestrians are involved.
- Cars, authorities, environments are also involved.
- There are too many traffic accidents in Turkey.
- Every year over than 100,000 people are involved in the traffic accidents.
- %95 of the causes to traffic accidents consists of the mistakes of the drivers.
- Every year on an average 5 to 6 thousand people die and 100 to 200 thousand people are injured in traffic accidents.
- People usually do not have the habit of using safety belt.
- In Turkey, the largest amount of transport is supported by road (highway) such as %95 of the general transport is based on roads, %4 of transport is based on railways and %1 of transport is based on seaway.
- In Turkey, every day approximately 600, every hour approximately 27 traffic accidents occur.
- In these accidents every day 5 to 20 people die and approximately 200 people are injured.
- Not to stop at the red traffic light causes 10,160 traffic accidents in the recent years.
- Due to the travelers 754 traffic accidents occur in the recent years.
- Due to the pedestrians 13,267 traffic accidents occur in the recent years.
- People do not give enough care to the subject which is the traffic accidents and its high costs.
- To exceed the speed limit and to drive with a very high speed causes 25,115 traffic accidents in the recent years.
- People get driving licenses in a very easy way mostly in small cities there are so many influential people that supported in exams.
- People do not know the content of traffic signs (panels), so they cannot obey these traffic signs in the road and cause fault.
- People are not enough conscious to obey the traffic rules both when they are driver and when they are pedestrian.
- There is a lack of enforcement by authorities with low cost legal laws instead of high cost legal laws.
- There is a lack of emergency when an accident occurs; injured people are usually waiting so much for an ambulance, so although they can be saved, they die. This lack increases the amount of death in traffic accidents.
The punishment for disobeying to the traffic rules and for mistakes is too low and not restricted by authorities.

To drive in the traffic while being sleepless, tired, sick or absent-minded causes 115,312 traffic accidents in the recent years.

People do not give enough importance to their cars’ maintenance; this fault causes 2,361 traffic accidents in the recent years.

Authorities do not give enough importance to the roads’ maintenance, too, and this causes 23 traffic accidents in the recent years.

In the daytime 316,712 traffic accidents occur in the recent years, on the other hand, at nights 108,116 traffic accidents occur in the recent years.

On the dry road conditions 344,272 traffic accidents occur, on the other hand, on the wet road conditions 88,188 traffic accidents occur in the recent years.

When there is an official control on the road this decreases the risk of the accident.

With an official control in the traffic 19,469 traffic accidents occur, and without any control 418,869 traffic accidents occur.

People get their driving licenses without enough knowledge about cars, traffic and without enough conscious.

In the courses that people attend to get their driving licenses, there are not a restrict education.

Because the most of the transport is based on roads, when there is a holiday the amount of the traffic accidents increase in a very short time and these accidents costs are very high both for money and for human life.

The lorries carry and transport too many load than they should carry in accordance to the traffic rules.

There is a lack of authority for enforcement to violation of the rules and for emergency when an accident occurs.

Summary of FF

- People are not enough careful drivers; they do not give enough attention to the traffic rules.
- There is a lack of consciousness and knowledge in the courses that we attend to get a driving license.
- People are more careful in the bad conditions of road or with an official control of authority.
- People get their driving licenses without enough about knowledge.
- There is a lack of emergency when an accident occurs.
- In Turkey, there is a lack of using other transportation possibilities such as railway (or seaway); the largest amount of transport is on the roads.

PF (PROBLEM FINDING)

- People give low care to traffic rules.
- People are not educated well to be conscious, well-informed drivers in the traffic.
- There are very high levels of traffic accidents in Turkey.
- The money cost and human life costs of traffic accidents are very high.
- The railway (or seaway) system is not developed in Turkey and the usage of both railway and seaway is too low.
- The roads are so crowded with cars, buses and lorries.
- Both human transportation and other load transportation are done by road transport.
- To decrease the ratio of the traffic accidents and its both money and human life costs.
- To develop the other type of transports such as railway or seaway to decrease the load and collapse on the roads.
- To make the roads less crowded than today.

Summary of PF

- The high level of traffic accidents in Turkey and to decrease this ratio and to eliminate all causes of these traffic accidents such as human careless and lack of authority.
- Lack of the railway and different type of transports instead of roads and autobahns in Turkey and being crowded and unsafe of the roads’ due to this lack.
IF (IDEA FINDING)

- To improve the education to get a driver license.
- To put some real useful traffic lessons to schools to make the children conscious about traffic while they are small children.
- To make higher costed enforcements to people who violate the traffic rules.
- To improve the railway (or seaway) transport system. (Especially the transportation of loads with lorries should be transferred to the transportation with trains (or ships)…).
- To change the system of getting a driver license.
- To improve the control system of authorities in the traffic such as control of more policemen.
- To coordinate more panels to make people aware of the importance of the traffic accidents’ nowadays situation.
- To improve the emergency system to rescue the more humans life when an accident occurs.
- To educate people to be enough conscious to drive in the traffic.
- Not to drive in the traffic when the driver is tired, careless, sleepless or sick.
- To put so many digital computer control systems to the both in city traffic and out city traffic in a very short distances to each other.
- To put special times in accordance of the vehicle’s type such as for lorries, car etc… to go on the main traffic.
- To put some kind of chips to cars that pass a punish limit to control to avoid them to disobey more rules and to decrease the possibility to cause more accidents.
- Driving license getting age should be older to be more conscious.
- To improve alternative transport ways instead of autobahns.
- To built new railways to carry the load on the roads to the railways and to make the traffic on the roads more calm, peaceful and safe.
- To built more autobahns to make the roads less crowded than nowadays’ situation.

Summary of IF

- To improve the railway system and built new railways instead of autobahns (1).
- To put digital computer control systems everywhere in very short distances between each other (2).
- To make higher cost enforcements (3).
- To put some kind of chips to some more disobeyed cars which are determined by the authorities in accordance with their existing faults (4).
- To change the system of getting a driver license (5).
- To put useful traffic lessons to schools and educate them well about traffic rules and to make them conscious drivers in the future (6).
- To improve the emergency system to save more humans life after the accident (7).
- To make the getting driver license age older (8).
- To built more autobahns (9).
SF (SOLUTION FINDING)
Evaluate the ideas by giving points to each one at the title. The given point in the title is the most acceptable and it goes down to the least acceptable.

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<td>To make the getting driver license age older (8)</td>
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Summary of SF
- To improve the railway transport system (total=84).
- To put useful traffic lessons to schools (total=83).
- To improve the emergency system (total=77).
- To put digital computer control systems everywhere (total=70) and to make higher costed enforcements (total=76)-(avg. total=73).

AF (ACCEPTANCE FINDING)
- First acceptable solution: To improve the railway transport system.
  - This is acceptable because in Türkiye mostly the road transport system is developed instead of the railway and other types of transport system, but to make less the load and collapse on the roads there is a need to carry this load to other types of transport, and building new railways has not more costage than building an autobahn.
  - Firstly, the plan of how the railway system of transportation can be done should be coordinated by the authorities.
  - For instance, to improve the railway system new railways should be built and the place such as between which places there is the most need of railway transportation, cost and all other needs should be decided at the beginning. Then the new railways should be built and these railways are begun to be used to for
different loads or for people. All types of transportation by trains will help to make less load on the roads’ traffic because when we carry some loads which are carried by lorries, this will decrease the number of lorries in the traffic and this can be useful to decrease the traffic accidents’ ratio or when we travel with trains instead of buses or our own cars then this will decrease the number of private cars and buses in the traffic, so this will be useful to increase the traffic accidents’ ratio in the roads, as well. This need a bit time to built new railways but with a hard work it can be quick, when the railways improved we may see that the roads will be safer and not crowded as today.

❖ Second acceptable solution: To put useful traffic lesson to schools.
   ➢ This can be helpful in a long time than the other solutions because it will make the new generation more conscious about traffic rules, about the importance of traffic rules and this will make the new generations well-informed about the traffic in Türkiye and how they should behave in the traffic when they are driver or pedestrian, but although this will be useful in the future it is very important to educate new generation about traffic to decrease the traffic accidents in the future. Today we will improve some traffic lesson to educate youngs in a good way then we will educate the instructors well to teach the youngs in a good way. When this education is done perfectly this will bring up conscious generations, and in the future this will decrease the accident ratio.

❖ Third acceptable solution: To improve the emergency system.
   ➢ This can be a solution to save more people’s life instead of to decrease the accident ratio in Türkiye, because emergency is needed after an accident occurs and we know that so many people die while waiting help after an accident in the place that the accident occurs or while they are being carried to the hospital in the road. This is another important point in the accidents to decrease the humans life cost of the accidents.
   ➢ First the emergency departments of the hospitals should be more conscious to be hurry when there is an accident and they should reach the place where the accident occurs in a very short time that they can because they should know that a few second can save a human’s life. The people that work on those departments should be educated in a better way and the nearest emergency service should be called when there is an accident occurs if not the emergency service should inform the nearest emergency service about this accident. When enough importance is given to emergency services, this can be useful to save more humans’s life after an accident. Therefore we can decrease the cost of the accidents on human life.

❖ Fourth acceptable solution: To put digital computer control systems everywhere and to make higher costed enforcements can work together in a good way to stop people to disobey the traffic rules and to make fewer mistakes in the traffic.
   ➢ This is acceptable because when we work on the statistics about the traffic and traffic accidents in Türkiye, this shows us that people cause fewer accidents when there is a control in the traffic.
   ➢ When there is a more disciplined control in a very short distance in the roads with a digital system the mistakes of the drivers will be caught more by the authorities and when the enforcements such as legal punishments are higher than today, then this will lead people (especially drivers) to be more careful and not to go over the speed limit. Therefore, when people know that their mistakes can always be caught by authorities and they will pay high punish for their fault, this will be the best sanction for them to obey the rules and to be careful in the traffic, so the possibility of causing an accident will be less.

HATİCE GÖKÇE BİLGİÇ