# Report Writing: Case study on water scarcity leading to wilting and drying up of roadside trees.

Section 1:

NGO Explained

**Dr. Sukhdev Singh Gill**coordinator of various **NGOs i**n Malout and his team interacted with us (2nd year B. Tech Students) on **21st June 2019.**

A non-governmental organization (NGO) is an organization that was not founded by a state and, therefore, is typically independent of governments. Purpose of NGOs include improving the state of the natural environment, encouraging the observance of human rights, improving the welfare of the disadvantaged, or representing a corporate agenda. It aims at social upliftment.

They told us about the problems they face in day to day life in this work and asked us to find the solution to those problemsaccording to our field.

**Section 2:**

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1. Blood donation-unavailability of blood donor at the time of emergency (like accidents).

2.Sewage issues

3.water scarcity leading to wilting and drying of roadside trees.

4.Traffic lights to avoid road accidents.

5.Ambulance facility

6.First aid in case of accidents

7.Cleanliness

**Why it occurred?**

Trees are planted on roadside but no proper care can be taken due to unaviability of water which leads to drying up of trees and plants.

**Why did they engage us to help?**

They gave this responsibility to our college Engineering students of 2nd year of all branches because now a day’s Engineers are doing all big projectsand they believed we could find a better solution to their problems through our technical mind and skills.

Section3:

My solutions and findings:

**We should adopt drip irrigation along divider**

We have to keep clean water there with divider and cover it properly with the help oftechnology we will sprinkle time to time water on trees. And some taps with themalso because there is lots of problem in drinking water on highways.

**Protect trees and plants from heat waves.**

Apply mulch, preferably reflective much such as dry grass clippings. The first line of defence against hot weather, and against windy conditions which can dry surface soil, is to apply a liberal layer of mulch around the **plants**. This protects the soil from direct sun exposure, keeping it moist at the surface.

**Google Tulip**

Google is working on google tulip and somehow, he got success on tulip plant and nowa days we are taking with plants literally plants talk with us they ask for water, sunlight. So, with the help of this technology plant can itself tell us what they want anotification come to us and one worker will go there and sprinkle water on them.

