

# ABSTRACT

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The title of the project is “traffic security system”. There is a high frequency of car accidents taking place at the bend of corner of U shaped road, especially in the mountain areas. To avoid it, an idea of traffic system is being proposed and designed to reduce the accident cases.

In the U shaped road, when there is a vehicle toward the U bend corner, a green indicated light will be turned on. At the same time, a signal is being transferred to another side of U shaped road to turn on the red indicated light for stopping approaching vehicle near the U bend within certain distance.

In this project, a microprocessor is used to control and generate the wanted signal and data. All wireless transmission works are handled by the transmitter and receiver module sets together with the aiding of encoder and decoder.