# Driver Assistant system

M. Sai Krishna

M. Hemanth Sai

S. Naga Preethi

V. Abhinaya

Our Solution : Architecture

Device

Monitors the traffic and driver

Alerts the driver during abnormal condition
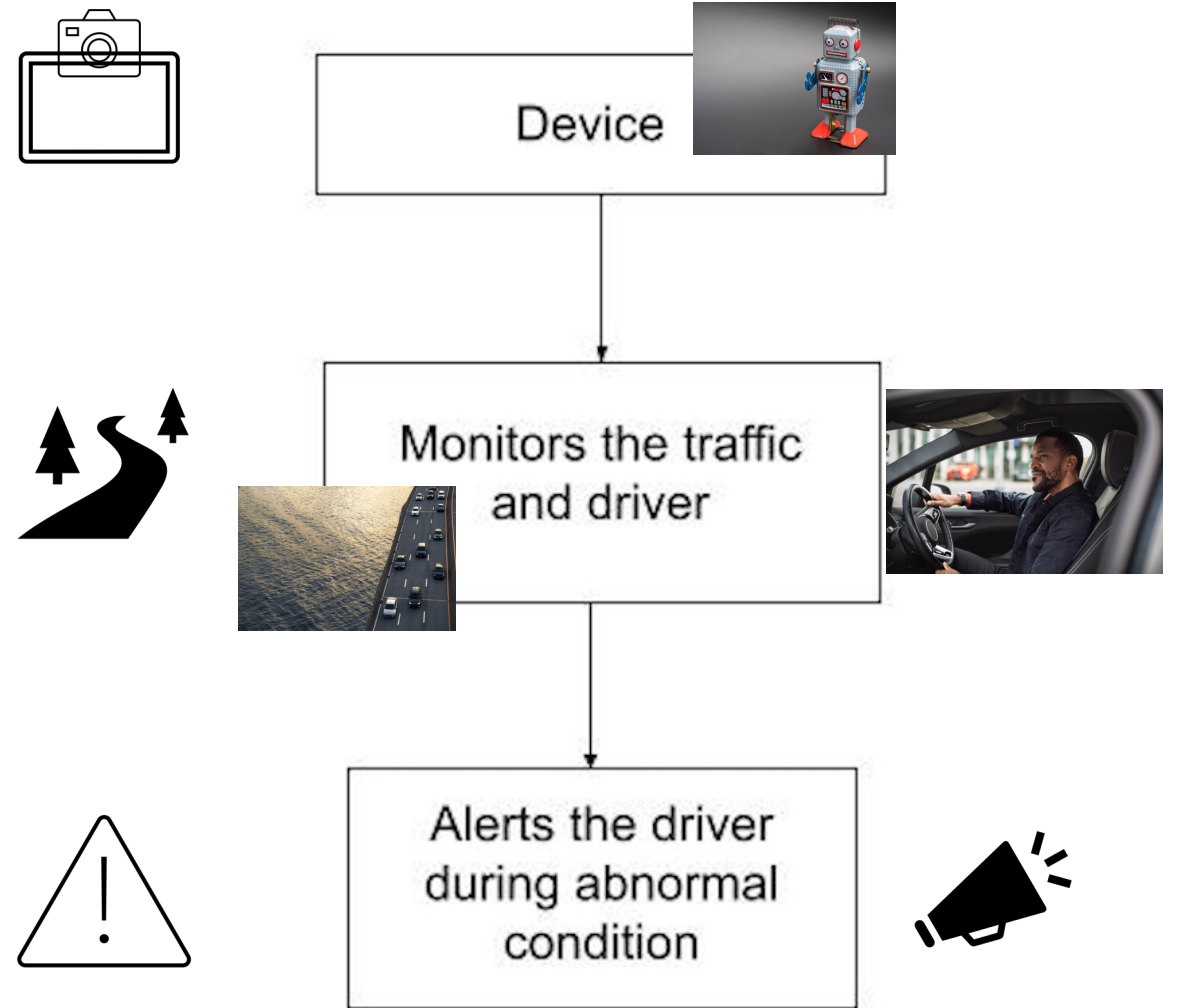
Detailed workflow :

In case of Accidents :

Used to communicate between devices

[Arduino nano]

Controller

ADXL345 sensor

GSM module

GPS module

Vehicle Accident Alert

Lane monitoring :

Video input
[Live footage]

Model

Ultra fast lane
detection V2

Detected and
annotated
frames
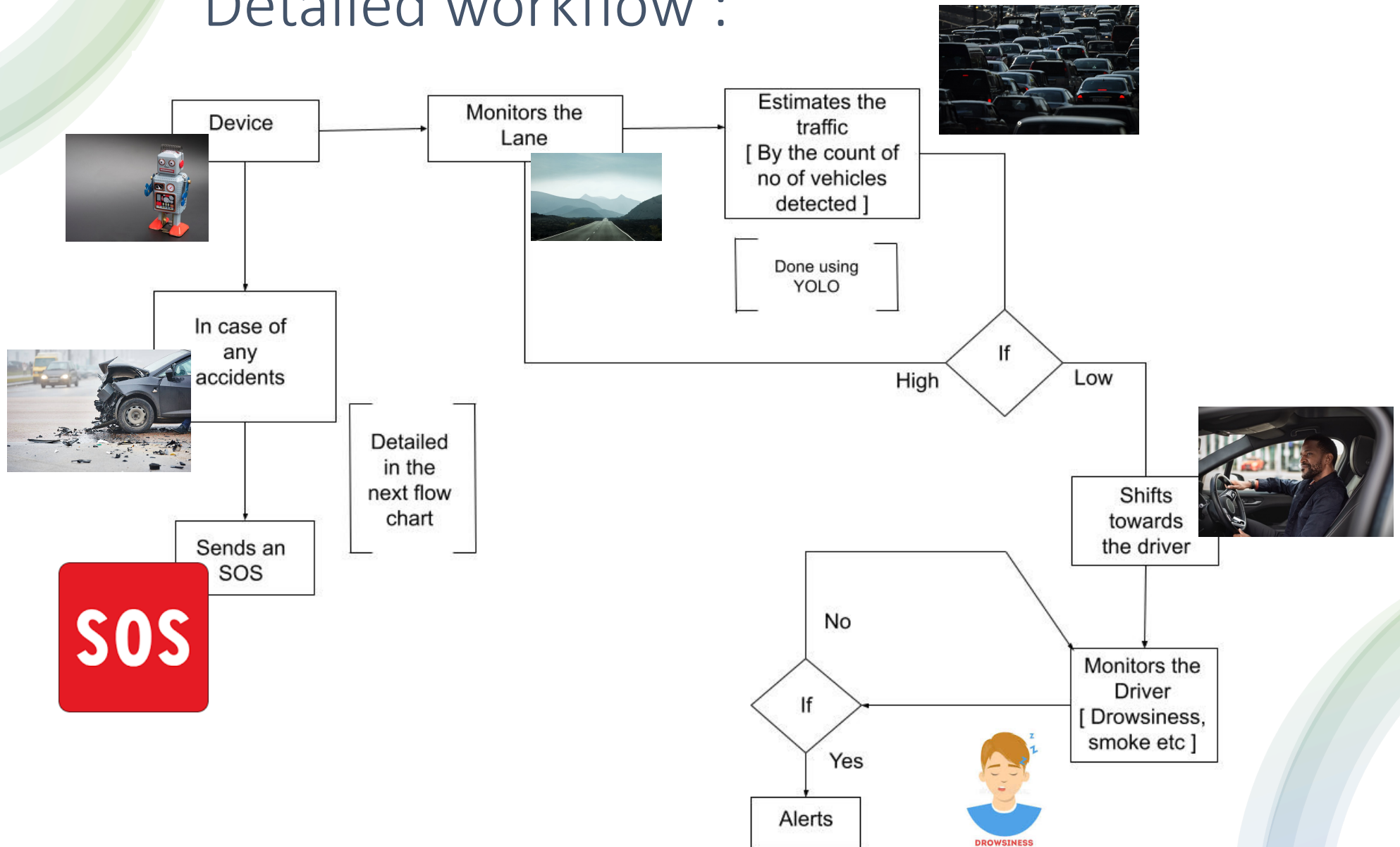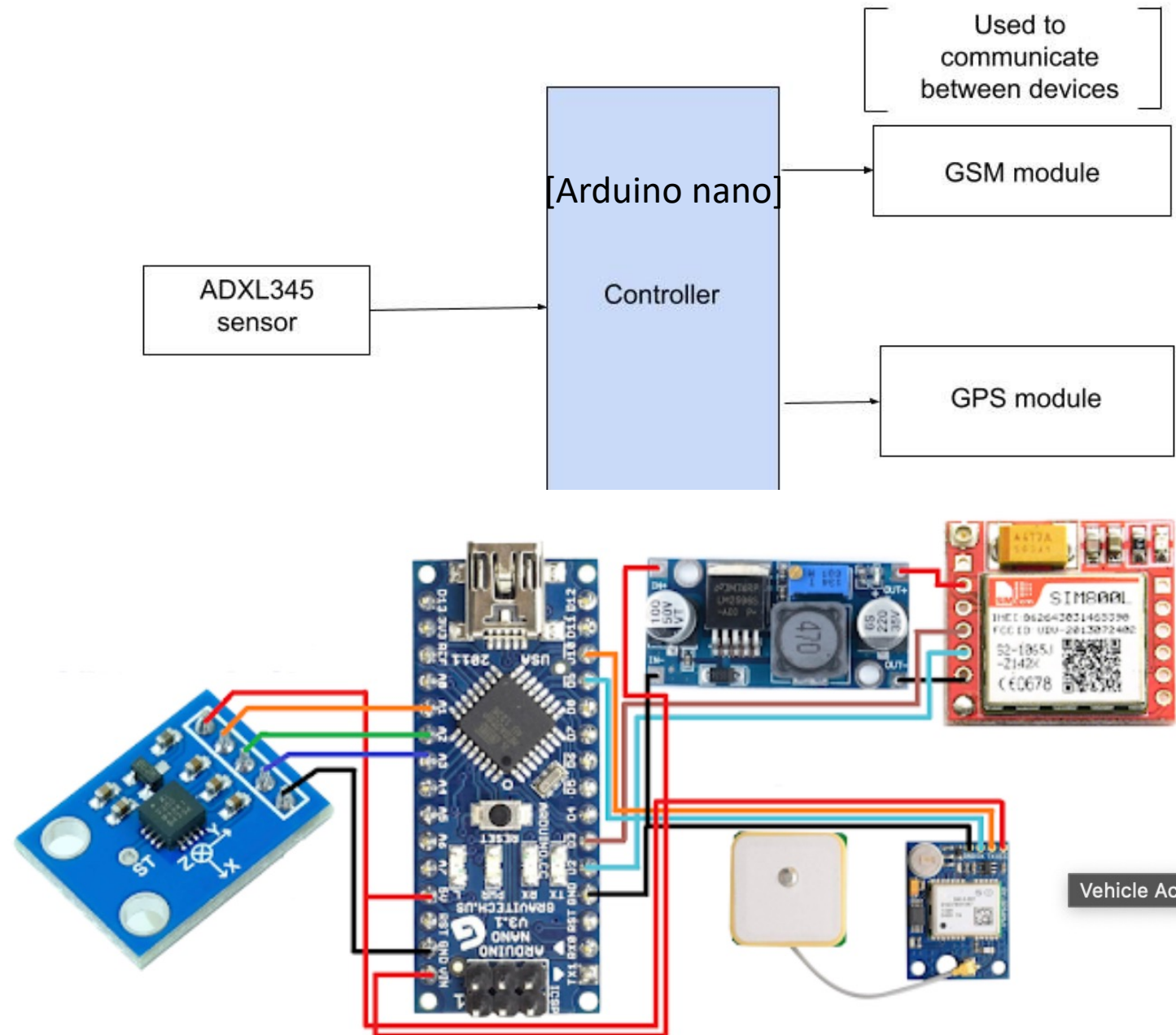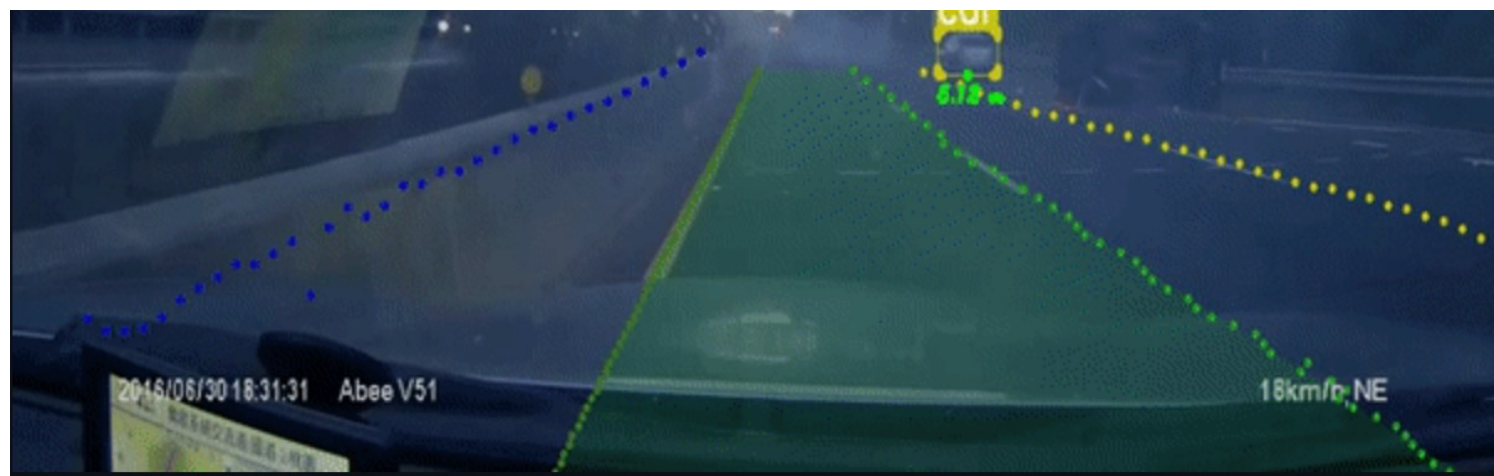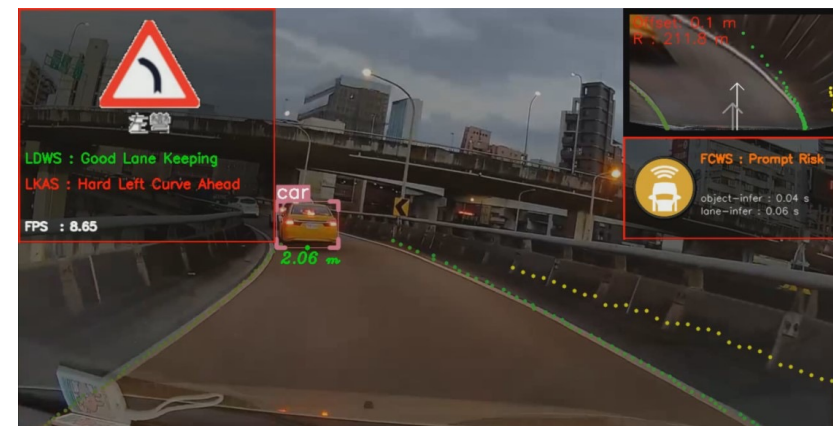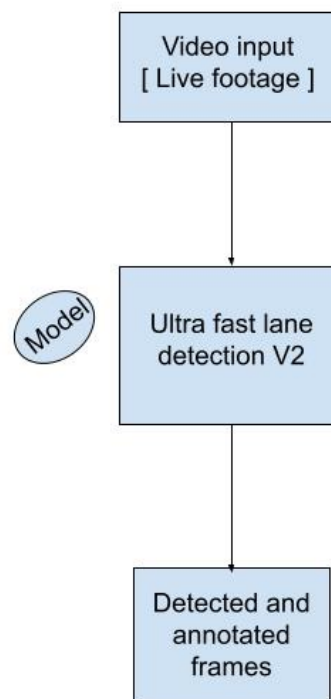
Traffic estimation:

Drowsiness detection :