# AUTONOMOUS NAVIGATION SYSTEM

KAPILI HOSTEL

#### **MENTORS:**

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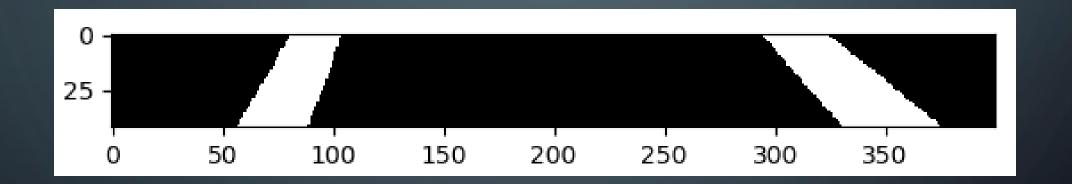
#### **TEAM MEMBERS:**

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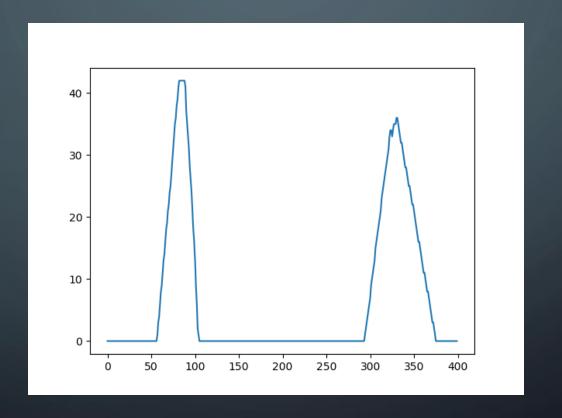
### BASIC OUTLINE

- Taking slices
- Histogram
- Weighted mean
- Offset between mean and center of image
- Pulse width modulation

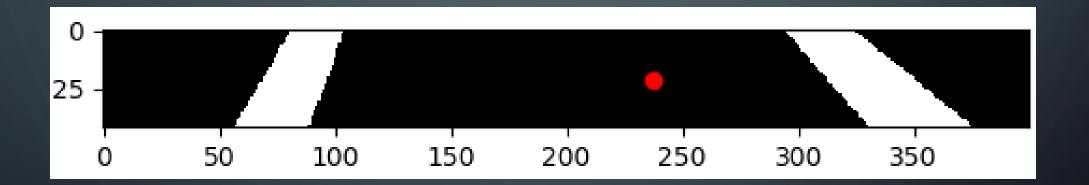
## TAKING SLICES



# HISTOGRAM



## WEIGHTED MEAN



# OFFSET BETWEEN MEAN AND CENTER OF IMAGE



### PULSE WITH MODULATION

• The width of the pulse for which the input was high was modulated according to a convenient high frequency.

### **ALGORITHM** Take left -1 Calculating the Deciding 0 Read the Selecting the No change in mean and the frame slice direction direction center +1 Take right