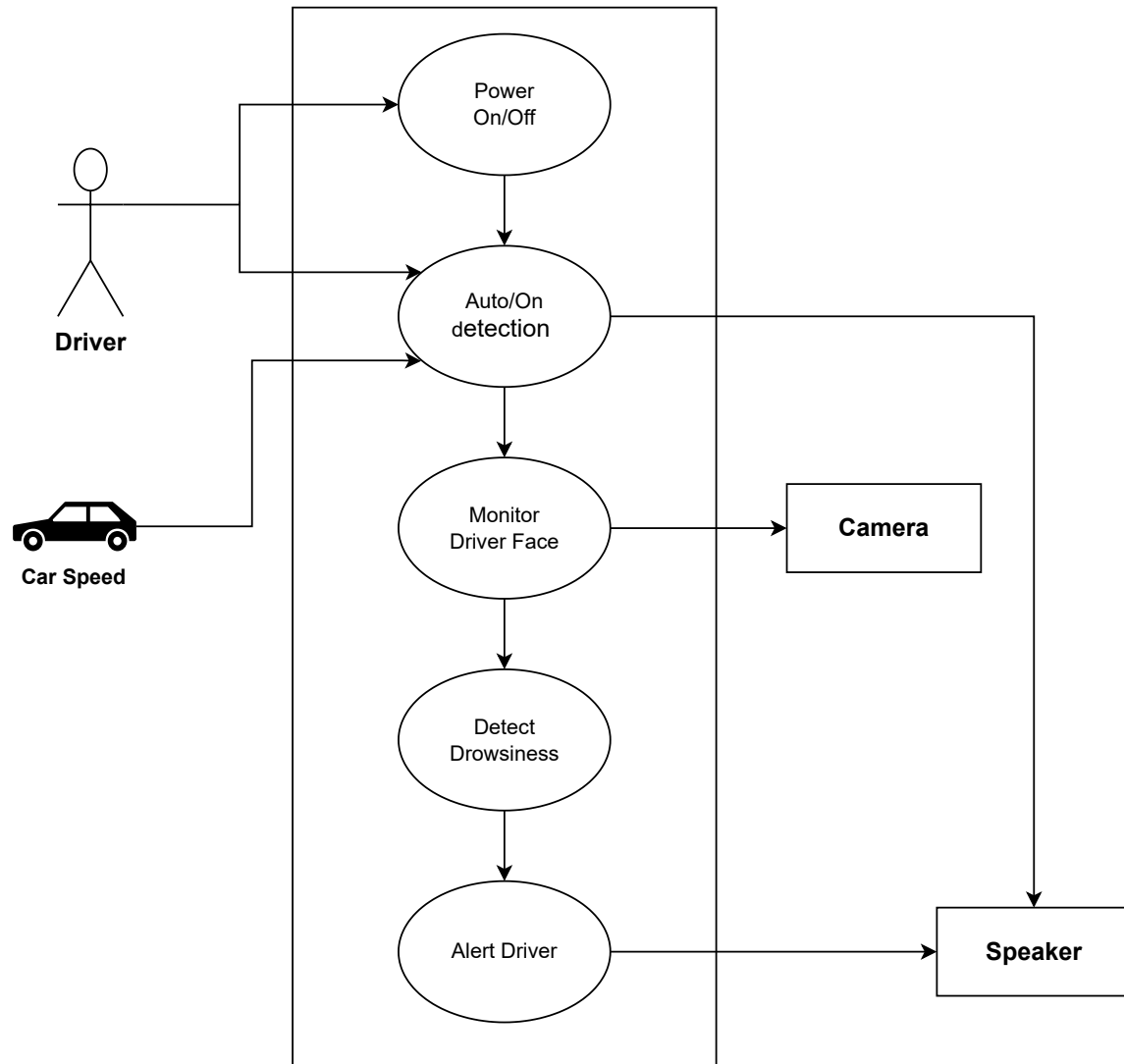


## Use Case Diagram



### Actors:

- **Driver:** The driver interacting with the system to power it on/off or setting the detection to be auto or on.
- **Car Speed:** Used to auto start detection when speed is 20 km/h or more.
- **Camera:** Captures the driver's face for monitoring purposes.
- **Speaker:** Outputs audio alerts.

### Use Cases:

- **Power On/Off:** Allows the driver to power the system on or off.
- **Auto/On Detection:** Listens to the switch to keep the detection working automatically when speed is 20 km/h or more. It also sends audio reminders every 10 minutes if the auto detection system is not working.
- **Monitor Driver Face:** Observes the driver's face using the camera for signs of drowsiness.
- **Detect Drowsiness:** Analyzes the captured data to determine if the driver is drowsy or yawning.
- **Alert Driver:** Sends alerts to the speaker to warn the driver of detected drowsiness.