

PROJECT DETAILS

Name and enrolment no. of student

1. **Sinojiya Rohit Shantilal (110340102038)**
Mobile no. - 9426418100
Email id - rohitsinojiya@yahoo.com
2. **Shah Dhruvesh Atulkumar (110340102054)**
Mobile no. - 9687694881
Email id - shahdhruvesh000@gmail.com
3. **Patel Darshil Rajeshkumar (110340102049)**
Mobile no. - 8690624567
Email id - darshil.patel27@yahoo.com

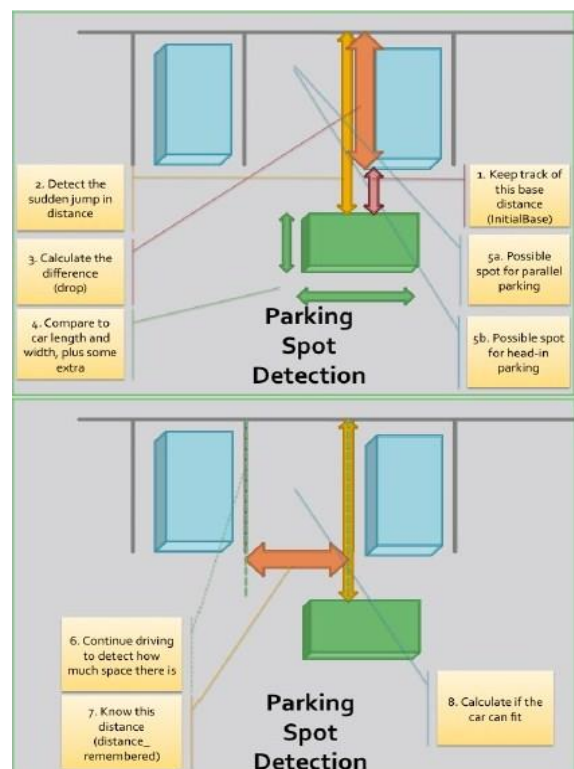
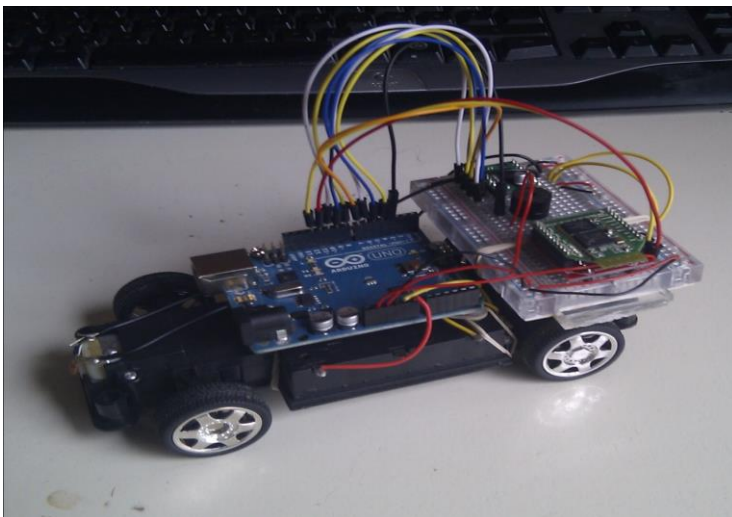
Name of project: Self-parking car

Working principle in Brief: Autonomous self-parking car is present for four wheeler car. This idea is to design and build an autonomous car that can detect a parking space and then park itself in to the space effectively. The prototype is control with arduino microcontroller and equipped with ultrasonic sensor and dc motors for speed control and steering mechanism. The ultrasonic sensor is use to measure the distance and obstacle along its path. The system working in three phase, firstly empty car space is detected by ultrasonic sensor mounted on car. Then second phase is the car reverse to edge of the parking space avoiding potential collisions. Finally maneuvering phase, the car move to the park position in the parking space.

Application: It can be used in all type of four wheeler cars for parking purpose.

Approximate cost: Project prototype model cost is 3000/- Rs. Approximately.

Figure/Photographs/etc.



Contact number and email id of internal guide:

Zankrut Desai

Mobile no.- 8128540207

Email id – zankrut@hotmail.com