SMART DRIVE

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Team Members
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Problem: Inability to detect vehicle collision.
Product: The proposed device is an IOT based application that notifies the driver in a situation that may lead to collision of vehicles with varying intensity of light and buzzer sound.

Initial Prototype:

Our product is the integration of sensors that calculate distance with the car and notify the driver if the distance is less than the threshold limit.

Business:

We did market research and found great demand for the product.
Each product is sold for 5000/-
Targeted customers of the product are

- Small scale car manufacturing companies.
- OLA and UBER Cabs

Technology:

Arduino UNO
Ultrasonic sensor
LEDs
Buzzers

Customer Stories:

We conducted a survey among some people who drive cars and customers said, “This product is economically feasible.”

Progress:

Week1 – Identified gaps in the product.

Week2 - Visited Tata Motors and enquired the customers about the expected price and benefits.

Week3 - Received feedback from the mentors and worked on remodeling the prototype as product.

Week4 – Updated the product with integration of accelerometer.

Week5 – We have finalized the design.

Week6 - Estimated the total cost and arrived at a price. Worked on revenue model.

Contributors:

Mentor Sandeep sir suggested us to use accelerometer to measure the speed.

Mentor Praful sir suggested us to concentrate more on Market research and to work on basic requirements. He even suggested us that Uber and Ola cab companies can form our potential customer base.