

DESIGN PRACTICUM 2019

Proposed Ideas -

1. **Border Surveillance rover :-**

RAKSHAK is a surveillance rover designed for patrolling of International Borders and various sneak operations. The main Motivation behind this project is to reduce the risk of life loss / injuries of soldiers risking their everything at borders.

2. **Self Adjusting automobile seat :-**

People face problems in travelling in hilly areas like in Himachal pradesh.

The main motivation behind this idea is to help people who live hilly areas(especially senior citizens and pregnant ladies have a great use of it).

Gimbal is need to be implemented in this.

3.**Path Guiding robot (BotDog) :-**

This project aims to detects the things in surroundings using Deep learning and guide the blind people by audio.The main motivation behind this project is to make the life of blind people and people with chronic eye diseases easy.

4.**Automatic Street Lighting at night :-**

Saving energy wasted by street lights during night(when they are of no use)

5.**Plastic Shredder :-**

Alternative method for recycling plastic by shredding it and converting it to plastic blocks.