



NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY

(Department of Electronics & Communication)

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Internal Guide:- Prof. Malhar Chauhan



Project Title:- Head Mount Cam

Abstract:-

The HEAD MOUNT CAM creates a stereoscopic view with excellent depth, scale, and parallax. Unlike on a television or in a movie, this is achieved by presenting unique and parallel images for eye. This is the same way your eyes perceive images in the real world, creating a much more natural and comfortable experience of virtual world. Picture a set of ski goggles in which a large cell phone screen replaces the glass. The screen displays image for each eye. A set of lenses is placed on top of the screen, focusing and reshaping the picture for each eye, and creating a stereoscopic image. The goggles have embedded sensors that monitor the wearer's head motions and adjust the image accordingly.

Project Application:-

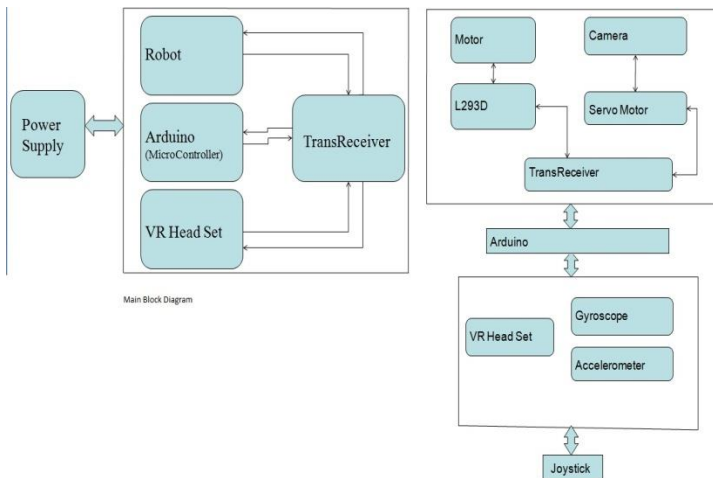
- (1) Entertainment purpose,
- (2) Architecture,
- (3) Education sectors,
- (4) Marketing purpose,
- (5) Training centers.

Approx. Project Cost:- ₹ 10,500/-

Project Photo:-



Block /circuit Diagram:-



Major Hardware components used:-

Accelerometer, Gyroscope, Motors, Motor driver circuit with power supply.

Software used:-

Orcad, Fritzing, Arduino.