



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

(An Autonomous Institute under Kakatiya University, Warangal)

## Department of Mechanical Engineering

### VISION OF AUTOMOBILE

#### ABSTRACT

The main purpose of headlights is to have safe drive during night . Headlights are used in automobile for illumination of roads and to alert the driver of vehicle on the opposite end . The main aim of this seminar is to know the working condition of headlights in inevitable conditions like temperature and irrespective of place .

The primary goal of an automotive headlight is to improve safety in low light and poor weather conditions . But , despite decades of innovation on light sources , more than half of accidents occur at night even with less traffic on the road. Recent developments in adaptive lighting have addressed some limitations of standard headlights , however , they have limited flexibility switching between high and low beams , turning off beams toward the opposing lane , or rotating the beam as the vehicle turns and are not designed for all driving environments . Our single hardware design can be programmed to perform a variety of tasks. Anti-glare high beams, improved driver visibility during snowstorms , increased contrast of lanes , markings , and sidewalks , and early visual warning of obstacles are demonstrated.

At the end my section we will able to understand ultra-low latency reactive visual system that can sense , react , and adapt quickly to any environment while moving at highway speeds .

**Seminar Guide:**

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