

## ABSTRACT

### DEVELOPMENT OF HEAD LIGH MOVEMENT WITH STEERING MECHANISM

A four wheeler usually find difficulty to drive especially at sharp turn .The model helps them to change the focus of headlight as the steering move on either direction. Adaptive headlights react to the steering system of the car and automatically adjust to illuminate the road wheel. When the car turns right, the headlight angles to the right. Turn the car left ,the headlights angles to the left.

Instead of moving the headlights, reflectors are fitted on the inside on either side of the headlamp casing. These reflectors are moved to direct a beam in the same direction as the movement of the vehicle .The power required to move the reflectors is transmitted using hydraulic linkages.