SPEED MEASUREMENT AND TRACKING OF MOVING OBJECT USING MULTIVIEW CAMERA

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A **Thesis** Submitted to
Gujarat Technological University
In Partial Fulfillment of the Requirements for
The Degree of Master of Engineering
In **Computer Engineering**

May-2016



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ABSTRACT

Object Tracking is an important research field in computer vision. Tracking of any object can be defined as the problem of determining the trajectory of an object in the image plane as it moves around a scene. Tracking can be done for various objects like vehicle, humans, animals etc. In single-view camera, tracking of moving object becomes difficult when occlusion occurs. So, in this work, Multiview approach is used for tracking and speed estimation of the moving object using multiple synchronized cameras which are located at particular distance from each other. Instead of detecting and tracking of object from single-view camera, the cameras are synchronized to get the better results and the challenges of occlusions are also overcome.