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3	PhD Thesis Title	Homography Based Detection and tracking of single person in dense crowd using multiple cameras	
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	Department and Designation	Information Science and Engineering.	
5	Date of Registration for PhD	No Ac6/Ph.D./EN/342/2008-09, dated 10-08-2009 WOF 1253/2009-2010	
	University /Branch	Mysore University, Mysore.ELECTRONICS BRANCH	
6	Date of Award of PhD degree	29/05/2015	
7	<u>Brief synopsis</u> The present work introduce a cost efficient technique of distinctive detection as well as tracking multiple object in real time street scene with highly uncertainty of the types of objects ,their movements and their count rates .These issues accomplished using unscented kalman filter ,where this algorithm that has used both foreground and background model and the framework detects even the minor movements of the leaves of the trees. This property might be little unwanted when we want to design an application specific to analyze pedestrian or some major moving object visually that keeps highest importance in application. Thus, the further work concentrated on detection and tracking single object in a crowded scene using homographic transformation. Here in this work the six dimensional views of dataset are considered. A unique technique has been used in the present system for both inliers and outliers are detected and are considered for increasing the precise of tracking system. The corresponding points for each frame are considered for evaluation to see that ,they precisely can compute the similarity matrixes followed by computation of homography matrix. The system uses negligible storage area illustrating that the system can be directly put into real time practices. Hence it can be said that the proposed system exponentially enhance the throughput by 97% compared to other prior studies till date.		