



Course Title:	Digital Image processing	Semester:	Fall-2016
Course Code:	SE-427	Max Marks:	50
Instructor:	Engr. Afzal Ahmed		
INSTRUCTIONS: i. There shall be no submission after deadline. ii. Report shall follow the IEEE standards. iii. Copied assignments shall result in zero marks no matter who copied whom.			
Title	Real time object tracking in panoramic images		
Abstract	The problem that has to deal is when the surveillance is taking place using multiple cameras. And from single camera there is limitation of coverage. And if there is anything suspicious then track it. The solution of this problem is video stitching. The goal of video stitching is to construct a single video output by stitching together multiple input video streams. The goal of project is to do the video stitching in real-time, so that it can be used for security purposes. The input videos are coming from the multiple cameras therefore the stitched video has large field of view. This can be done by finding the common region in the 2 videos and then merge these 2 videos along that region. The tracking is done by using the Kalman filter. As all the processing have to be done in real-time, therefore general purpose processor has not good use. Therefore we used the specific processor i.e beagle board.		

Good Luck