Computer Vision (CS 6350)
Term Project Assignment (TPA)
July-November, 2011

Sl. No.	Topic	Performance based Marks		
		Satisfactory	Good	Excellent
1	**Video Categorization based on Camera Movement (Pan, Tilt, Zoom)**	25	35	40
2	**Scene – City Classifier from Key frames of a video**	20	33	37
3	**Mosaic Creation from Video having arbitrary camera motion**	24	34	40
4	**Track and Represent multiple moving objects from video**	20	34	38
5	**Comparison of Feature Extractors (SIFT, HOG, SURF etc.)**	15	30	35
6	**Restoration of Degraded face image samples**	20	33	37
7	**Comparison of any two recent Face Recognizers under degradation, and illumination variations (e.g. LTP, Dual-Space, SVM-based)**	22	33	38
8	**Specularity Estimation from frontal Face Images**	20	32	37
9	**Performance of eye, nose and lip detectors (any two), against degradation - noise, blur and scale (even combinations)**	24	36	40
10	**Fit an elliptical mask on a face image, using landmarks detected automatically (say, using AAM)**	22	33	38

11	Scale invariant multi-object detection using a set of classifiers (say, AdaBoost)	25	34	38
12	Uniqueness and Compactness Issues in CSS & Top Points (Theoretical analysis mostly)	15	33	38
13	Supervised classification of foreground and background objects separately in a scene	17	30	35