	MindLAB
Team leader name	Fabian Paez
Team leader address, phone number and email	Calle 145 11 91 Bogotá, Colombia +57 4761211 fmpaezri@unal.edu.co
Rest of team members	Fabio A. Gonzalez
Team website URL (if any)	www.mindlaboratory.org

	DTF based frame classifier
General method description	A BOF representation per-frame is made based on DTF features and a Random Forest classifier is trained using frames as training data
References	Wang, Heng, et al. "Dense trajectories and motion boundary descriptors for action recognition." International journal of computer vision 103.1 (2013): 60-79 Breiman, Leo. "Random forests." Machine learning 45.1 (2001): 5-32. Pedregosa, Fabian, et al. "Scikit-learn: Machine learning in

Describe features used or data representation model (if any)	MBH features extracted using DTF code, handling X and Y components separately Per-frame BOF
Dimensionality reduction technique applied (if any)	K-Means of 100000 trajectory samples to generate 4000 clusters
Temporal clustering approach (if any)	

Gesture representation approach (if any)	
Classifier used (if any)	Random forest with 40 estimators
Large scale strategy (if any)	

Temporal coherence and/or tracking approach considered (if any)	
Compositional model used, i.e. pictorial structure (if any)	
Other technique/strategy used not included in previous items (if any)	
Method complexity analysis	

Temporal coherence and/or tracking approach considered (if any)	
Compositional model used, i.e. pictorial structure (if any)	
Other technique/strategy used not included in previous items (if any)	
Method complexity analysis	

	As trajectories without significant displacement are filtered, on the context of static foreground the DTF features provide a mean of interest point detection
Results of the comparison to other approaches (if any)	
Novelty degree of the solution and if is has been previously published	

Human effort required for implementation, training and validation?	
Training/testing expended time?	
General comments and impressions of the challenge	