SMART TOURIST GUIDE

ABSTRACT: Smart Tourist Guide is a system to show details of tourist places by capturing image in smart phone .This project aims to develop a system to recognize and annotate outdoor Places of-Interests (PoIs) captured on smart phones, relying on geo-tagging from online services. This is a “Spatial plus Visual” (S+V) framework which consists of a probabilistic field-of-view (pFOV) model in the spatial phase and sparse coding similarity metric in the visual phase. The system detects common visual features among noisy photos geo tagged on each POI, thereby obtaining a cleaned geo tagged image database. The mining results can be utilized to annotate the region-of-interest on the query image during online query processing. The system uses an updated version of the popular SIFT algorithm, viz. SURF algorithm. It is intended to be a more user friendly version of Google Lens.

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