A feature selection in Top down visual attention model for sign board recognition has been incorporated to reduce the computational complexity and to enhance the quality of recognition. The approach is based on a biologically motivated attention system which is able to detect regions of interest in images based on the concepts of the human visual system. A top-down guided visual search module of the system identifies the most discriminate feature from the
previously learned target object and uses to recognize the object. This enables a significantly faster classification and is illustrated in identifying signboards in a road scene environment.

**Reference**

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Feature Selection in Top-Down Visual Attention Model using WEKA

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