

# Language Detection Using Machine Learning Techniques

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## Abstract

Spoken Language Identification is the process of detecting the language of utterance by an anonymous speaker, irrespective of gender, accent and pronunciation. Implementation of an acoustic model for Spoken Language Identification is to be carried out in this project. The major task is to identify those features or parameters which could be used to clearly distinguish between languages. The system uses Support Vector Machine (SVM) to handle the problem of multi class classification. The project aims at detecting English and Malayalam. Experiments were conducted by forming a speech samples obtained from recorded dataset. The entire dataset is split into two sets, larger unit as the training dataset and a smaller set as the test set.