VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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Project Report on

"CROP CLASSIFICATION WITH HYPER SPECTRAL DATA USING DIFFERENT FEATURE EXTRACTION TECHNIQUES"

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ABSTRACT

The paper presents the different methods to classify the hyper-spectral data. The research also aims at a comparison of different classification methods of crop classification and at creating a map of actual vegetation. A method is presented to extract a subset of individual bands from a hyper-spectral dataset.

The test sites investigated in this study are collected from the Google map, which are already pre-processed. The classification results have been compared with those obtained from some other classified results. It has been found that the proposed method, even with its very simple approach and much less computational complexity, provided overall accuracy statistically equivalent to those of the conventional methods.