

Abstract

CHANGE DETECTION OVER MULTI-SPECTRAL IMAGES USING MACHINE LEARNING TECHNIQUES

Change detection is essential to understanding how human actions affect the environment over two distinct periods; hence the ability to estimate change is essential. Empirical observations revealed a change close to the rushikonda beach in the Visakhapatnam district of Vizag, Andhra Pradesh. In this study, we will look at two historical periods and compare how land usage and land cover have changed around the Rushikonda beach.

A detection method is used to detect satellite images to determine whether or not changes happened between two distinct time periods. We may make use of a number of machine learning algorithms to examine remote sensing images for change.

Keywords: Remote Sensing, Change Detection, Classification, Image Processing, Multi-Spectral Images.

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