

## SHORELINE VULNERABILITY STUDY- RAIGAD DISTRICT, MAHARASHTRA

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### **Abstract:**

Shoreline Was Always Very Vulnerable Area For Land Transformations Yet Still The Populated Area. Almost 60% Of The Worlds Population Lives Along Shoreline. So It Is Evident To Keep Watch On The Changing Trends Of Shorelines. In This Study The Shoreline Of Raigad District In Maharashtra Was Selected. The Area Is Witnessing A High Rate Of Shoreline Change As Well As Population Migration, Yet The Least Studied Ares. Study Relates With The Shoreline Of The District From 1973 To 2013. Continuously Studying The Shoreline Change For 30 Years We May Able Witness Alarming Changes. The Shoreline Change Dynamics Was Studied With The Usgs Dsas Tool For Shoreline Change Detection. Based On These Maps The Shoreline Is Being Classified As High Erosion, Medium Erosion And Stable Or Low Erosion. Study Thus Aims At Providing The Vulnerability Status Of Shoreline Against Further Encroachment Of Sea, Consequently Suggesting The Shoreline Nourishment Techniques.