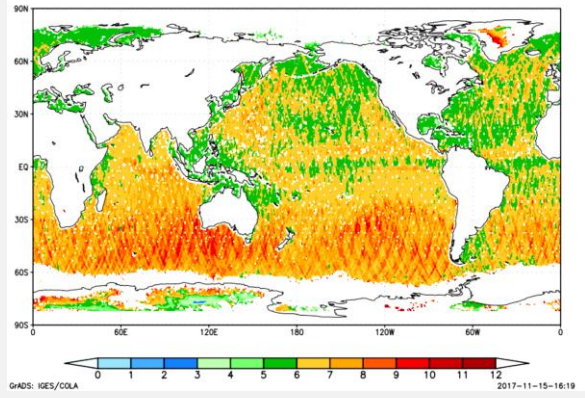


Name Mr. Vidhan Yogeshbhai Thakore
Affiliation Pandit Deendayal Petroleum University, Gandhinagar
Qualification M. Tech (Thermal Engineering)
Program Data Exploration Program
Duration Three months



Project title Wave energy resource assessment along the coast of India

Objective of the study is the wave energy resource assessment with the analysis of the spatial distribution of wave power. The study involves the determination of the root mean square wave height (H_s), wave period (T), mean direction, spectral density at frequency (f) and spectral momentum mn in order to quantify the power. The study incorporates the implementation of SWAN third generation model which will be fed with the reanalysis data in order to generate time series wave energy trends for the coast of India. Thus numerical model SWAN makes it simple to visualise the wave energy potential near the coast of India.



Six month average wave period (s) obtained from SARAL-Altika for 2016.