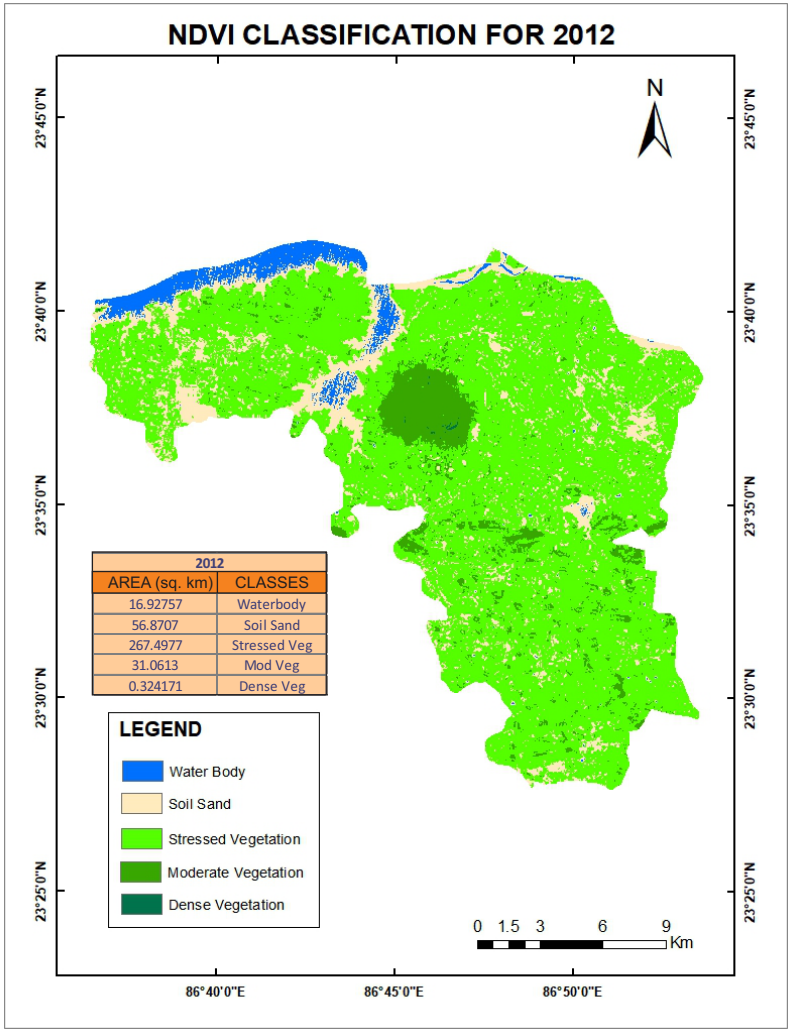
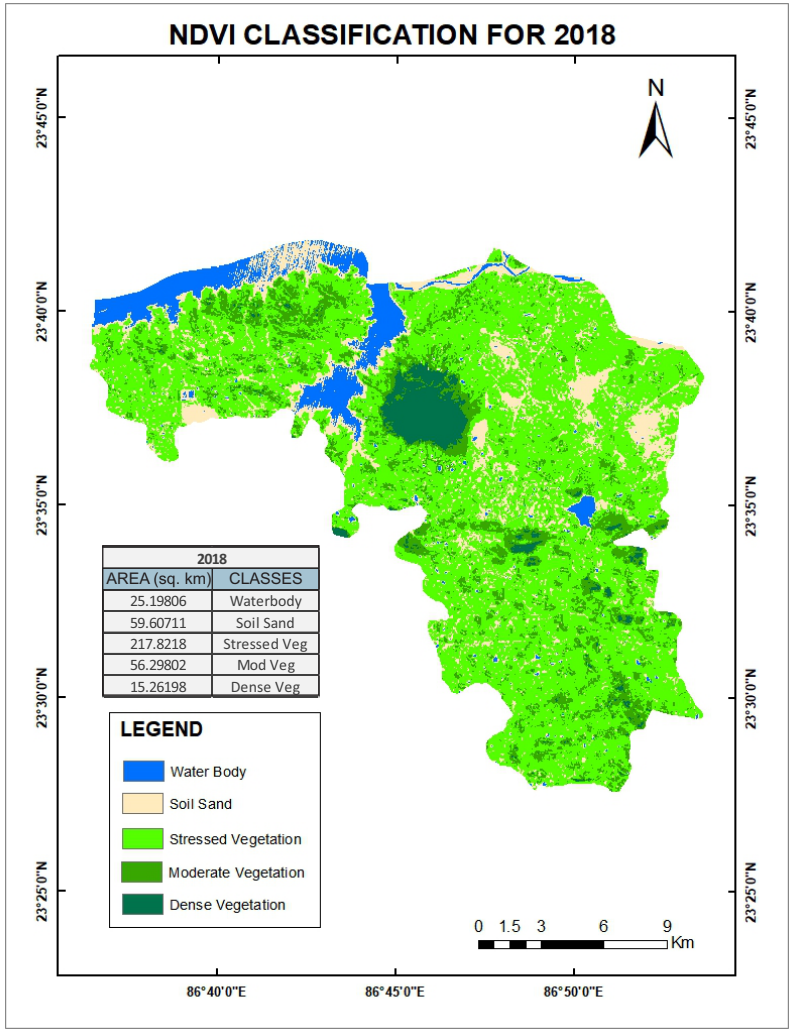
TOPIC :NDVI Classification of Neturia and Santuri Blocks, 2012-2018



2012	
AREA (sq. km)	CLASSES
16.92757	Waterbody
56.8707	Soil Sand
267.4977	Stressed Veg
31.0613	Mod Veg
0.324171	Dense Veg



2018	
AREA (sq. km)	CLASSES
25.19806	Waterbody
59.60711	Soil Sand
217.8218	Stressed Veg
56.29802	Mod Veg
15.26198	Dense Veg

Team Name: Union

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Map Analysis

Normalized Difference Vegetation Index (NDVI) was calculated on the merged LISS III data set after extracting the clipped raster
Since the NDVI value ranges from -1 to +1, based on the result, 5 classes were identified for the study area, which are Water Body (Below -0.01), Soil Sand (-0.01-0.2), Stressed Vegetation (0.2-0.35), Moderate Vegetation (0.35-0.5) and Dense Vegetation (0.5 and above)

There is a sharp contrast in the Areas of these 5 classes between the two data sets. 2018 has a relatively well defined Dense Vegetation cover while, 2008 is dominated by Stressed Vegetation cover.

This can be attributed to the ongoing Ushar Mukti project which has helped to transfer the barren land cover into productive plantation units

Data Courtesy: *Bhuvan (Resourcesat-1/Resourcesat 2) LISS III; https://static.fossee.in/mapathon/Mapathon2020_Data/;*