FLOW CHART

Google Earth Engine

Load

Sentinel-2
Multispectral Imaging
(MSI), Level- 2A

Satellite

Landsat-8
Earth-imaging satellite

DATA CLEANING

Cloud masking

Region of Interest-1
Surat City

DATA PROCESSING

DATA PROCESSING

Image Composite

Tapi River with Centerline

Band Selection

B3	Green
B4	Red
B8	NIR
B11	SWIR

Input Geometry

Width Calculation

Water Mask NDWI

NDTI

Region of Interest-2 Buffer Zone of Tapi River

DATA ANAYSIS

Descriptive Statistics

MInmimum
Maximum
Mean

Heatmap Visualization