Title: Feature Extraction from RS-HR data using AIML

Ex– Farm Pond, Check Dam, Nala Pond, Dug wells, High Tension tower, windmill, electric

Substation, sewage treatment plant, warehouse.

Sample IRS Data:

The sample dataset from IRS satellite data can be downloaded from
https://bhoonidhi.nrsc.gov.in/bhoonidhi/help/sampleProducts.html

Open Source Data can be taken of High resolution .Few sample resources are attached:

Maxar Open Data: https://www.maxar.com/open-data

Earth Engine Data Catalog: https://developers.google.com/earth-engine/datasets/tags/highres

Sentinel Open Data: https://dataspace.copernicus.eu/browser/

ESA Open Data : https://earth.esa.int/eogateway/catalog

Steps to be performed:

- Collect relevant satellite data.
- Generate labels (collect labels as well if available) manually.
- Train the classification models

Bhuvan portal can be used for visualization of relevant areas where data can be downloaded.

https://bhuvan-app1.nrsc.gov.in/bhuvan2d2.0/