BHUVAN Platform

Prelims: *Current events of national and international importance*

Why in News?

Recently, access logs of Bhuvan portal show that Jharkhand have accessed the Land Use Land Cover (LULC) data that was hosted on Bhuvan Panchayat portal.

- It is the ***Indian Geo-portal of ISRO.***
- **Objectives –** To provide a *platform to visualize remote sensing data* and to download satellite data *free of cost*.
- To allow government departments to host customized applications to enable effective governance.
- **Working** – It *incorporates Natural Language Processing methods*, facilitating searches through both audio and text inputs.
- It *integrates location intelligence* into their applications for mapping, visualization, analysis, and more.
- **Role** – It can *store, process, manage, visualize*, monitoring and generating data products originating from different data sources.

Operation of Bhuvan Portal	
Standard Mode	Seamlessly *navigate maps*, explore points of interest, and access basic natural resource information with added voice-based search.
Thematic Mode	It offers *visualization, analysis, and download* options for various thematic datasets, prepared by NRSC in collaboration with stakeholders.
Data Hub & Analytics	Explore multi-sensor satellite data, conduct advanced analysis, and access scientific datasets for research, development, and applications.
Governance Mode	Access *sector-wise governance applications* & *citizen-centric applications* with user-friendly interfaces for efficient governance and decision-making.
Disaster Services Mode	Provide *near-real-time disaster alerts*, access emergency resources, and facilitate coordination and response efforts.

- **Know Your Resources (KYR)** – It provides for accessing detailed information about India's natural and man-made resources.
- **Bhuvan Store** – It serves as a vibrant catalouge for geospatial products, services, and applications, catering to diverse user needs and fostering innovation in the geospatial community.
- **Application** – Users can explore thematic data, such as 'waterbodies in Hyderabad,'

'builtup areas in Guntur,' 'forests in Pali,' and more.

- **Significance –** Planning and development, monitoring & evaluation, asset mapping and inventory creations, decision making, reporting & advisory, and resource management.

Reference

PIB| BHUVAN GIS Platform

Related News – Bhuvan Panchayat Portal

