

# **Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG(N))**

April 23, 2020

**Context** : Cabinet approved Elevation of Bhaskaracharya Institute of Space Applications and Geoinformatics (BISAG), Gujarat as Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG(N)) under Ministry of Electronics & Information Technology (MEITY), Government of India.

It will be an Autonomous Scientific Society under Government of India instead of the State Government.

## **Benefits**

1. To maintain efficiency and innovation of services, the current skilled manpower working at BISAG may join the national level institute on as-is and where-is basis.
2. To facilitate implementation of expanded scope of activities
3. To facilitate implementation of expanded scope of activities and efficient rollout of GIS projects.
4. To facilitate implementation of expanded scope of activities, aid research & development and technology development.
5. Facilitate development planning and good governance through spatial decision support systems.

## **Activities of BISAG**

- **Satellite Communication:** To promote and facilitate the use of Satellite broadcasting network for distant

interactive training, education and extensions.

- **Remote Sensing Applications:** For inventory mapping, developmental planning and monitoring of natural and man-made resources.
- **Geo-informatics System:** To conceptualize, create and organize multi-purpose common digital database for sector and thematic applications for various user.
- **Photogrammetry:** For creation of Digital Elevation Model, Terrain characteristics, Resource planning etc.
- **Global Navigation Satellite System and Land Survey:** For Location based services, Geo-referencing, Engineering Applications and Research.
- **Disaster Management:** To Prepare geo-spatial information to provide necessary inputs to Government to assess and mitigate damage in the event of disaster.
- **Software Development:** To provide low-cost Decision Support System, Geo-informatics applications (desktop as well as web based) to user for wider usage.
- **Technology Transfer:** To transfer technology to a large number of end users.
- **Value Added Services:** To provide tools which can be customized as per the needs of the users.
- **Education, Research and Training:** To provide education, research and training facilities to promote a number of end users through Academy for Geo-informatics.