Geospatial Technology is an emerging field of study that enables us to acquire data that is referenced to the earth and use it for analysis, modeling, simulations and visualization. Remote sensing imagery and derived products are a direct input for geospatial data generation, monitoring resources and providing citizen services. As of now, geospatial technology has made inroads into various sectors both in the public and private domains in India. The major sectors using this technology are agriculture, telecommunication, oil & gas, environmental management, forestry, public safety, infrastructure, and logistics. The current plans and initiatives call for geospatial capabilities that are larger than what the geospatial industry can currently provide. Hence there is an urgent requirement for trained manpower in the area of geospatial technology. With this background, Indian Institute of Remote Sensing (IIRS)/ ISRO has started its Distance Learning Program in the year 2007. The distance learning program was started with the basic objective of creating awareness among students and working professionals in the areas of fundamentals and advanced concepts of geospatial technology, to reach out to the masses and also catering to the requirements of the user departments by conducting demand specific theme oriented courses.

This course is designed to provide an understanding of the basic concepts of geospatial technology and its applications. The course is divided into two parts, Part I focuses on the fundamentals of geospatial technology, while Part II covers advanced topics. The course is designed to be self-paced and flexible, allowing students to learn at their own pace and in their own time.

The course is open to all individuals who are interested in learning about geospatial technology and its applications. The course is designed to be accessible to learners from a variety of backgrounds, including those with little or no prior experience in the field.

In summary, the Indian Institute of Remote Sensing (IIRS)/ ISRO’s Distance Learning Program offers a comprehensive and flexible learning experience in geospatial technology, allowing learners to acquire the knowledge and skills they need to succeed in this rapidly evolving field.

Indian Space Research Organisation
The institute has so far conducted 56 Satellite and Internet based Outreach Programmes, benefitting more than 1,00,000 participants from 1000 Indian Universities/Institutions/User Departments/User Ministries in India. To promote the use of geospatial technology, IIRS announces the Annual Course Calendar-2020 for Distance Learning program. For the year 2020, a total of 15 courses of varying duration and 09 one day workshops have been planned. The course topics range from basics of remote sensing, GIS, GNSS to advanced theme based topics pertaining to application of geospatial technology in disaster risk reduction, ecological studies, urban master plan formulation, planetary geosciences, agricultural water management, land degradation, coastal ocean modelling. IIRS also announces 09 one full day workshops on advanced topics such as machine learning, glacier dynamics and climate change, automatic feature extraction etc. The target participants include undergraduate and postgraduate students, technical/Scientific Staff of Central/State Government/Faculty/researchers at university/institutions.

It is a unique opportunity for participants to learn directly from their place of working by devoting an hour and a half each day. Courses can be attended with no cost to the participants. Programme can be received live through internet. These Programs are sponsored by NNRLMS, Department of space, and Government of India for capacity building. The participants who successfully complete the course will be awarded a certificate from IIRS, ISRO. The programme is scheduled during 1600 Hrs.-1730 Hrs. every day for a week. Courses are open to UG & PG students/researchers/scientific/technical staff and interested individuals. We need your support for wide publicity and maximum participation from your University/Institute/Organisation.

You may also visit IIRS website http://www.iirs.gov.in/Edusat-News for further details.

Prakash Chauhan
Director, IIRS

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With regards and best wishes,

Prakash Chauhan
Director, IIRS

IIRS Distance Learning Course Calendar 2020