

# Short Course on Remote Sensing with special emphasis on Digital Image Processing

## About ITEC

The Indian Technical and Economic Cooperation (ITEC) Programme was instituted by a decision of the Indian Cabinet on 15 September 1964 as a bilateral programme of assistance of the Government of India which is focused on addressing the needs of developing countries. Under the programme, Indian development experience acquired since its Independence is shared with 162 partner countries in Asia & the Pacific, Africa, Latin America & the Caribbean and East & Central Europe.

Training or Capacity Building is one of the major activities under ITEC programme. The professionals and people from developing countries are offered unique training courses in different centres of excellence in India which empower them with professional skills and prepare them for an increasingly globalized world. The training programmes have contributed to capacity building and human resource development in many parts of the world.

Development Partnership Administration (DPA-II) division in the Ministry of External Affairs is the nodal division for handling all capacity building programmes. The list of empanelled institutions across the country conducting various short-term, medium-term and long-term courses each year are available at [www.itecgoi.in](http://www.itecgoi.in). The training programmes are fully sponsored by the Government of India.

Under the aegis of Indian Technical & Economic Cooperation (ITEC) of Ministry of External Affairs, Government of India, IIRS organizes two training programmes each year for international participants from ITEC countries.

- Short course on RS with emphasis on Digital Image Processing during January - February and
- Short course on Geoinformatics during September - November.



*Sponsored by*



Indian Technical and Economic Cooperation (ITEC)  
Ministry of External Affairs, Government of India



*Organised by*

Indian Institute of Remote Sensing  
Indian Space Research Organisation  
Department of Space, Government of India

## Aim

The primary aim of the course is to enhance the capacity of middle level professionals in the field of remote sensing with special emphasis on processing of remotely sensed data using digital image processing techniques. The objective is to train professionals to acquire good working knowledge of the theory and practice of the geospatial tools and technologies.

## Target Group

This course is primarily meant to train middle level resource managers and professionals from Federal and State Govt. Departments, Non-Governmental Organisations, Universities and Educational Institutions, in application of Geoinformatics in various disciplines.

**Medium of Instruction:** English

## Course Structure

The duration of the course is eight weeks and consists of three modules:

- (i) Remote sensing and Photogrammetry Basics (3 Weeks);
- (ii) Digital Image Analysis (3 weeks); and
- (iii) Thematic lectures and Project work (2 weeks).

## Eligibility

- Post Graduate degree/ Undergraduate Degree / Diploma in Physics/Chemistry/Mathematics/Botany/Forestry/Zoology/ Wildlife Science/Environmental Science/Life Science/Agriculture Science/Meteorology (Agro/Hydro)/Geography (with B.Sc. at U.G. level) or any other Science/Engineering, with sufficient knowledge of mathematics/statistics at X+2 level.
- Two years work experience relevant to natural sciences/management/data-map handling.
- Age: 25 to 45 years.

## Accommodation

Furnished accommodation would be provided in hostel within IIRS campus. Families are not accommodated.

## Fellowship

The Short courses are recognised and sponsored by ITEC (Indian Technical and Economic Cooperation) programme of Ministry of External Affairs, Government of India. Fellowships are available for candidates belonging to the countries covered under ITEC programme ([www.itecgoi.in](http://www.itecgoi.in)). The fellowship covers the following assistance:

- Course fee
- Airfare (to & fro)
- Local travel for joining the course and back
- Monthly Living allowance
- Book allowance
- Rent free accommodation at institute's hostel
- Transport and accommodation charges during field visits and study excursions

## HOW TO APPLY

Fill up the [online application form](#) available at [www.itecgoi.in](http://www.itecgoi.in). The print of the filled form is to be submitted by the applicants to his/her parent organisation. Completed application along with supporting documents should be submitted to Indian Embassy/High Commission located in applicant's home country by candidate's organisation. ([https://www.itecgoi.in/how\\_to\\_apply.php](https://www.itecgoi.in/how_to_apply.php))

**For any information please contact**

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