

An aerial photograph of a river delta, showing a complex network of water channels and land. The top portion of the image is overlaid with a semi-transparent yellow rectangle.

INTERNATIONAL TRAINING

ON

**GEO-INFORMATICS AND ITS APPLICATION
ON BIODIVERSITY CONSERVATION**

15-27th September, 2011

An aerial photograph of a river delta, showing a complex network of water channels and land. The middle portion of the image is overlaid with a semi-transparent yellow rectangle.

Organised by

Aaranyak

A Scientific & Industrial Research Organization

www.aaranyak.org

An aerial photograph of a river delta, showing a complex network of water channels and land. The bottom portion of the image is overlaid with a semi-transparent yellow rectangle.

What is this training all about?

This training is designed to disseminate knowledge about geo-spatial technology and its application in the field of biodiversity conservation for conservation biologist. The objective of this short term training course is to make the participants familiar with the technology and utility of geo-informatics in the field of biodiversity conservation. This course hopes to bring about a basic understanding of the relevant topics for new as well as middle level technical personnel, who are entrusted with the responsibility of planning, mapping and implementation of plans related to conservation of biological diversity.

Course Structure:

The course is modular in structure and provides a balanced treatment of theory, application and practical experience as follows.

Remote Sensing:

- Fundamentals of Remote Sensing
- Principles of Remote Sensing
- Satellite Remote Sensing
- Sensors and platforms
- Visual and digital analysis of Remote Sensing data.
- Introduction to MSS, TM, LISS, Thermal Images, Rader Technology.

Aerial Survey:

- Introduction to aerial photography
- Types of aerial photos
- Handling and storage of aerial photos.

GPS:

- Basics of GPS
- Use of handheld GPS.
- Extensive hands on exercise of GPS application in field.
- Application of GPS in forestry and biodiversity conservation.

GIS:

- Introduction to GIS
- Basic principles of GIS
- Concept of GIS data
- GIS data types
- Method of GIS data generation
- Spatial analysis
- Digital cartography
- Analytical capability of GIS

Application:

- Application of Geo-informatics in biodiversity conservation.
- Three days live project will be assigned to participants to make them more understandable of the subject.

How to Apply:

Interested participants should download the brochure and fill up the registration form and email the scanned copy of the registration form to course coordinator on or before 10th August, 2011. Short listed participants will be informed via email on or before 15th August, 2011. Mode of payment will be preferably wire transfer. However payments can also be made on the 1st day of the course, provided participants register online or via email. The course fee includes accommodation (twin share), food (breakfast,lunch & dinner), course materials, cost of field work/trip, etc.

Seat Capacity:

Seat Capacity is Fifteen (15)

REGISTRATION TYPE	REGISTRATION DEADLINE	REGISTRATION FEES
Early Bird	30th June, 2011	USD 1500
Regular Entry	1st August, 2011	USD 1750
Final Deadline	10th August, 2011	USD 2000
Announcement of Shortlisted Participants	15th August, 2011	
Duration	15th - 27th September, 2011	

CONTACT DETAILS:

Course Coordinator

Pranjit Kumar Sarma
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+91 361- 2230250

www.aaranyak.org

REGISTRATION FORM

INTERNATIONAL TRAINING ON GEO-INFORMATICS AND ITS APPLICATION ON BIODIVERSITY CONSERVATION

Personal Information:

Name: (IN BLOCK LETTER):

Gender :

Date of Birth :

Nationality :

Marital Status :

Recent
Passport
Size
Photograph

Correspondence Address:

Address :

City/Town :

Postal/Zip code :

Country/State/Province :

Telephone :

Fax :

E-mail :

Educational Record :

(Highest Degree Achieved)

Employment Record
(if employed)

Present professional employment

Employer's Name :

Designation :

Address :

Telephone :

Fax :

E-mail :

Experience :

Please give tick mark of the following questions

I have followed extensive GIS training and/or work regularly with GIS software,
namely.....

I have only a basic awareness of GIS.

I have no experience with GIS software.

State why you wish to follow this training programme and how it will help you and your organization: