

RAJA SHRIPATRAO BHAGAWANTRAO MAHAVIDYALAYA, AUNDH, SATARA

Indian Institute of Remote Sensing, ISRO, Govt. of India, Dehradun

Summary report of the Program

Date: 25/12/2021



To,
The Principal,
Raja Shripatrao Bhagawantrao Mahavidyalaya,
Aundh, Satara

I am sending summary report of the Outreach Programme on 93rd IIRS Outreach Programme on Geoinformatics for Biodiversity Conservation Planning. Please accept it.

1. Name of the programme: 93rd IIRS Outreach Programme on 'Geoinformatics for Biodiversity Conservation Planning'

2. Duration: 06/12/2021 to 17/12/2021

3. Number of enrolled students: 02

4. Name of the Coordinator: Dr. Telore Namdev Vasant

5. Name of the Resource Persons:

- Dr. Subrata Nandy, IIRS
- Dr. Hitendra Padalia, IIRS
- Dr. Ishwari Datt Rai, IIRS

6. Objective of the programme:

1. To know advanced concepts of geoinformatics for biodiversity in the conservation and planning

7. Outcome of the programme:

1. Participants became aware about the geoinformatics technology for biodiversity in the conservation and planning.

Course Coordinator

Dr. Namdev V. Telore
Co-ordinator

IIRS Outreach Programme, Dehradun
Centre: R.S.B. Mahavidyalaya, Aundh, Satara

Principal

Raja Shripatrao Bhagwantrao
Mahavidyalaya, Aundh (Satara)

IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 2900+. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Organisations/ Departments
- Forest Resource Professionals
- State Forest Departments/Forest Training Academies
- Research Institutes
- NGOs

Feedback Mechanism

IIRS has conducted workshops and sessions during IIRS Academia Meet to take feedback from participating institutions to improve the quality of future courses.



IIRS Outreach programme feedback session during IIRS Academia Meet (IIRSI) 2020

Awards of Appreciation

IIRS has received national awards for excellence in training for outreach and e-learning programme during 1st National Symposium on Excellence in Training conducted during April 11-12, 2015 in New Delhi by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).



About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute is the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia.

IIRS also conducts e-learning programme on Remote Sensing and Geoinformation Science (<https://elearning.iirs.gov.in>).

Contact Details

Dr. Hitendra Padalia
Head, FED & Course Director

Dr. Ishwari Datt Rai
Course Coordinator

IIRS DLP Team

Dr. Harish Karnatak
Head, GIT & DL Dept.

Dr. Poonam S Tiwari
Programme Coordinator
IIRS Outreach Programme

Mr. Janardan Vishwakarma
&

Mr. Ashok Ghildiyal
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Indian Institute of Remote Sensing,
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4 Kalidas Road, Dehradun
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93rd IIRS Outreach Programme

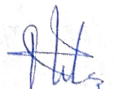


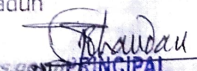
Geoinformatics For Biodiversity Conservation Planning

December 06-17, 2021



Organised by
Indian Institute of Remote Sensing
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun


Dr. Namdev V. Telore
Coordinator
IIRS Outreach Programme Dehradun


Raja Shripatrao Bhogwantrao
Mahavidyalaya, Aundh (Satara)

About the Course

Geoinformatics have pronounced role on assessing spatial biodiversity information for conservation assessment and planning. With advent of advanced remote sensing sensors and machine learning tools, it enabled a better understanding of the ecological systems for decision making. Remote sensing applications has been widely used as a source of environmental information for monitoring biodiversity elements. The temporal dimension of remote sensing is a valuable attribute for studies of biodiversity and habitats at landscape to global scales, providing a means to study the impacts of environmental change. Advance machine learning tools are efficient in analysing large volume of data for accurately mapping the biodiversity patterns and monitoring the changes. There has been considerable development in cloud computing with regard to handling large data set on free web platforms for visualization and geospatial analysis. With the development of new active and passive sensors with improved spatial, spectral, radiometric, and temporal resolutions, Earth observation data along with better data integration approaches can contribute immensely to biodiversity change research.

Course Contents

- Applications of GIS in biodiversity conservation planning
- Fine scale mapping of vegetation using machine learning
- 3D characterisation of forest biodiversity
- Functional biodiversity assessment using geoinformatics

- Wildlife habitat suitability assessment using geoinformatics
- Cloud computing for forest monitoring
- Biodiversity informatics and wildlife telemetry

Target Participants

The course is designed for professionals from Central/State Govt./Private Organizations/NGO/students and researchers engaged in ecological studies.

Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through e-class. Video lectures will also be uploaded on e-class (<https://www.eclass.iirs.gov.in/login>).

Course Fee

There is no course fee for attending this programme.

Course Registration

- Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>.
- All the participants has to register online through registration page available on above web page



Course Funding & Technical Support

The programme is sponsored by IIRS, Indian Space Research Organisation, Department of Space, Government of India.

Programme Reception

- Individuals can attend the course live via any web-browser through the e-class portal of IIRS, Dehradun i.e. <https://eclass.iirs.gov.in>
- The participants can also attend the live sessions via the Youtube channel of IIRS i.e. <https://www.youtube.com/user/edusat2004>
- The content will be available offline after 24hrs in the e-class portal.

Award of Certificate

- All the participants who attend 70% sessions of the course via e-class portal.
- The participants who attend the course sessions via IIRS YouTube channel should mark their attendance via offline session available after 24hrs.


Dr. Namdev V. Telore
Co-ordinator


PRINCIPAL

Updated on 13th Dec, 2021




Indian Institute of Remote Sensing
Indian Space Research Organisation
Dept. of Space, Govt. of India
Dehradun



93rd IIRS Outreach Programme
on
Geoinformatics for Biodiversity Conservation Planning
December 06-17, 2021

Lecture Schedule

Date & Time	Topic	Faculty/Resource person
06/12/2021 1600-1730 hrs	Application of GIS in biodiversity conservation planning	Dr. Hitendra Padalia
08/12/2021 1600-1730 hrs	Fine scale mapping of vegetation using machine learning	Dr. Ishwari Datt Rai
10/12/2021 1600-1730 hrs	3D characterisation of forest biodiversity	Dr. Subrata Nandy
13/12/2021 1600-1730 hrs	Functional biodiversity assessment using geoinformatics	Dr. Taibanganba Wathan Note: Cancelled
14/12/2021 1600-1730 hrs	Wildlife habitat suitability assessment using geoinformatics	Dr. Subrata Nandy
15/12/2021 1600-1730 hrs	Cloud Computing for forest monitoring	Mr. Ashish Bisht
17/12/2021 1600-1730 hrs	Biodiversity informatics and wildlife telemetry	Dr. Sameer Saran


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Dr. Namdev V. Telore
Co-ordinator
IIRS Outreach Programme, Dehradun
Centre: R.S.B. Mahavidyalaya, Aundh, Dist. Satara



INDIAN INSTITUTE OF REMOTE SENSING
Indian Space Research Organisation
Department of Space, Govt. of India



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Attendance

Attendance Status

Study Material

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entries

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S.No.	Registration Number	Name	email	Certificate
1	2021931381870	Mr. POTEKAR NILESH PRAKASH	nileshpotekar29@gmail.com	



Dr. Namdev Vasant
Telore

Ongoing Courses

Live Lecture

Offline Session

Chandru
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Mahavidyalaya, Aundh(Satara)

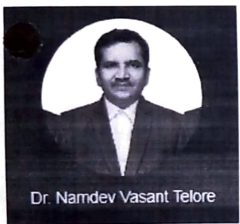
Nilesh
Dr. Namdev V. Telore
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INDIAN INSTITUTE OF REMOTE SENSING
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Students Record

Show 10 entries Search:

S.No.	RegNo.	Name	Email ID	Profession	Qualification	Subjects	Passing Year	ID Proof	Status
1	2021931383639	SEJAL HEMANT HANMANTE	sjlhanmante@gmail.com	Student	Pursuing Graduation	ENTC	2024	View	Approved
2	2021931381870	POTEKAR NILESH PRAKASH	nileshpotekar29@gmail.com	Student	Graduation	Geography	2014	View	Approved

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 - Course_Brochure....pdf
 - certificate_202297....pdf
 - Course_Schedule_97.pdf
 - course_brochure_97.pdf
- Show all

Rajendra
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Namdev
 Dr. Namdev V. Telore
 Co-ordinator
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 R.S.B. Mahavidyalaya, Aundh, Dist. Satara



भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING
भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



COR202193323

बहिः परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE



यह प्रमाणित किया जाता है कि राजा श्रीपतराव भगवंतराव महाविद्यालय, औंध, सातारा, महाराष्ट्र ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम जैव विविधता संरक्षण योजना हेतु भू-सूचना विज्ञान में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 06 दिसम्बर, 2021 से 17 दिसम्बर, 2021 तक किया गया।

This is to certify that **Raja Shripatrao Bhagawantrao Mahavidyalaya, Aundh, Satara, Maharashtra**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on **Geo-informatics for Biodiversity Conservation Planning**. This online programme was conducted during December 06, 2021 to December 17, 2021

दिनांक/ Date: 22-12-2021

देहारादून/ Dehardun

प्रमुख,
डिजिटल सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

समूह प्रमुख,
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Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

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