

36th IIRS Outreach Programme on 'Basics of Remote Sensing, Geographical Information System and GNSS' sponsored by NNRMS and organized by IIRS/ ISRO, Dept. of Space, Govt. of India, Dehradun 04/09/2018 to 16/11/2018

RAJA SHRIPATRAO BHAGWANTRAO MAHAVIDYALAYA, AUNDH, SATARA

Indian Institute of Remote Sensing, ISRO, Dehradun  
Department of Space, Government of India  
SUMMARY REPORT OF PROGRAM

Date: 16/12/2018

To,  
The Principal,  
R.S.B. Mahavidyalaya, Aundh  
Tal. Khatav, Dist. Satara

I am submitting summary report of Outreach Programme. Please accept it.

1. Name of Programme: Basic of RS, GIS & GNSS

2. Duration: 04/09/2018 to 16.11.2018

Total Days: 74

3. Number of enrolled students: 15

4. Name of Coordinator: Dr. Telore Namdev Vasant

5. Name of Resource Persons: i) Ms. Manu Mehta  
ii) Dr. Poonam S Tiwari  
iii) Dr. Hina Pande

6. Objectives of the Programme:

- i. To know concepts of Remote Sensing.
- ii. To know concepts of GIS.
- iii. To study concepts of GNSS.

7. Outcome of the Programme:

- i. Participants become aware of Remote Sensing concepts and its applications.
- ii. Participants become aware of GIS techniques and its applications.
- iii. Participants become aware of GNSS and its applications.

Centre Coordinator

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

Principal

  
I/C PRINCIPAL  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (Satara)





**Announcement Brochure**

## **IIRS Outreach Programme**

**Basics of Remote Sensing, Geographical Information System and  
Global Navigation Satellite System**

August 20- November 16, 2018

***Organised by***

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

<http://www.dlp.iirs.gov.in>



## Course Announcement

IIRS announces four courses commencing from August 20th, 2018. The courses are available as a Basic comprehensive course or as individual modules.

- ❖ Basics of Remote Sensing, GIS and GNSS (20/08/2018 to 16/11/2018): Comprehensive course consisting of above three courses.
- ❖ Remote Sensing and Digital Image Analysis (20/08/2018 to 14/9/2018): Basic Principles of Remote Sensing, Earth Observation Sensors and Platforms, Spectral Signature of different land cover features, Image interpretation, Thermal & Microwave Remote Sensing, Digital Image Processing: Basic Concepts of Rectification and Registration, Enhancement, Classification and accuracy assessment techniques.
- ❖ Global Navigation Satellite System and Geographical Information System (17/09/2018 to 26/10/2018): Introduction to GPS and GNSS, receivers, processing methods, errors and accuracy, GIS, databases, topology, spatial analysis and open source software.
- ❖ RS and GIS Applications (29/10/2018 to 16/11/2018): Agriculture and Soil, Forestry and Ecology, Geoscience and Geo-hazards, Marine and Atmospheric Sciences, Urban and Regional Studies and Water Resources.

The participants can register for individual module of their choice or the entire certificate course

## Target Participants

- ❖ Student of Undergraduate and Postgraduate courses (any year)
- ❖ Technical/ Scientific Staff of Central/ State Government Ministries/ Departments
- ❖ Faculty / Researchers at university / Institutions

## Course Study Material

Course study materials such as lecture slides, video recorded lectures, open source software, data & handouts of demonstrations, etc., will be made available through IIRS ftp link (<ftp://ftp.iirs.gov.in>)  
Video lectures will also be uploaded on YouTube Channel (<http://www.youtube.com/user/edusat2004>)

## Course Fee

There is *no course fee*.

## Course Registration

Course updates and other details will be available on URL- <http://elearning1.iirs.gov.in>

- ❖ To participate in the program, organizations/universities/departments/ institutes have to identify a Coordinator at their end. The coordinator is required to register his/her institute as nodal centre at: ([https://elearning1.iirs.gov.in/edusat\\_lms/cordinator\\_registration.php](https://elearning1.iirs.gov.in/edusat_lms/cordinator_registration.php))
- ❖ All the participants have to register online through registration page ([https://elearning1.iirs.gov.in/edusat\\_lms/student\\_registration.php](https://elearning1.iirs.gov.in/edusat_lms/student_registration.php)) by selecting his/her organization as nodal centre
- ❖ The Coordinator is required to approve the participants from his/her institute for each course

## Course Funding & Technical Support

The programme is sponsored by Indian Space Research Organization, Department of Space, Government of India and is conducted with due technical support from Amrita Virtual & Interactive E-learning World (A-VIEW).

## Programme Reception

Programme can be received through Internet connectivity of 2Mbps or better. Following hardware and software set-up is required at user end:

आर्य समाज के लोग  
सर्वोपरि  
सर्वोपरि  
सर्वोपरि



THIRTY SIX IIRS Outreach Programme  
On  
Basic of RS, GIS & GNSS

Sl No.	Module Name	From	To
1	Basic of RS, GIS & GNSS	04-09-2018	16-11-2018

September, 2018

Dr. Namdev V. Telere  
Co-ordinator  
IIRS Outreach Programme, Lehroden  
Centre: R.S. & Mahavidyalaya, Aurangabad, Dist. Jalgaon

22 Oct 18	Monday	1600-1730 hrs	Uncertainty in GIS and Error Propagation	Sibt Harit Shaukat
23 Oct 18	Tuesday	1600-1730 hrs	3D GIS, City Models and Applications	Dr. Sameer Saran
24 Oct 18	Wednesday	1600-1730 hrs	<b>BREAK</b>	
25 Oct 18	Thursday	1600-1730 hrs	Raster Trends in Geoinformatics	Dr. Sameer Saran
26 Oct 18	Friday	1600-1730 hrs	Panel Discussion of Module 2	All Faculty

Note: RS & GIS Applications Module and Course schedule will be updated soon.

36<sup>th</sup> Course Consist 03 Module

- 1- Remote Sensing & Digital Image Analysis
- 2- Global Navigation Satellite System and Geographical Information System
- 3- RS & GIS Applications

There will be 03 exam for Basic of RS, GIS & GNSS

And a single exam for Course no. 37,38 and 39<sup>th</sup> course

Sl No	Exam Name	Exam Date
1-	Online Examination 36 <sup>th</sup> Course on Module1 Remote Sensing & Digital Image Analysis	24 Sept 2018
2-	Online Examination 37 <sup>th</sup> Course on Remote Sensing & Digital Image Analysis	24 Sept 2018
3-	Online Examination Module- 2 Global Navigation Satellite System and Geographical Information System	Will be informed shortly
4-	Online Examination of 38 <sup>th</sup> Course on Global Navigation Satellite System and Geographical Information System	Will be informed shortly
5-	Online Examination Module- 3 Course on RS & GIS Applications	Will be informed shortly
6-	Online Examination of 39 <sup>th</sup> Course on RS & GIS Applications	Will be informed shortly

Indian Institute of Remote Sensing / ISRO

36th Outreach Course on Remote Sensing, GIS & GNSS (4th Sept. to 10 Nov. 2018 )

S.No.	RegNo.	Name	Mobile No.	Email
1	20183657279	Nilam Kumbhar	7350763505	kumbharNilam751@gmail.com
2	20183657276	Jayashri Shinde	7517945129	jayashrishinde282@Gmail.com
3	20183656913	Aishawarya Mahadik	9763949366	aishwaryanmahadik4@Gmail.com
4	20183656900	Pranali Gayakwad	7420005223	pranali14698@Gmail.com
5	20183656881	Shrutika Yewale	7350407412	shrutikabyewale7@Gmail.com
6	20183656835	Nikhil Bhandare	7775857163	nikhilbhandare3@gmail.com
7	20183655706	Kajal Gharge	8805214595	kajal.gharge01@gmail.com
8	20183655704	Prajakta Gharge	9552548926	prajaktagharge122@Gmail.com
9	20183654112	Sarika Yadav	7350430935	sarikayadav256@gmail.com
10	20183653212	Amruta Otari	9766533179	amrutaotari2025@gmail.com
11	20183653210	Priyanka Pawar	9075271011	priyankarapawar03@gmail.com
12	20183653207	Dhananjay Mahamuni	7758828302	dmahamuni533@gmail.com
13	20183653206	Sonali Amale	9552649816	sonaliamale81@gmail.com
14		Pooja Sarnobat		
15		Rohit Jadhav		

  
T/C PRINCIPAL  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (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



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

COR363232019

समन्वय का प्रमाणपत्र  
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि राजा श्रीपतराव भगवंतराव महाविद्यालय, औंध, महाराष्ट्र कार्यरत डॉ नामदेव वसंत तेलोरे, ने 'रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत' विषय पर इस संस्थान द्वारा दिनांक 04 सितम्बर, 2018 से 26 नवंबर, 2018 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. NAMDEV VASANT TELORE**, working with **Raja Shripatrao Bhagawantrao Mahavidyalaya, Aundh, Maharashtra**, has coordinated the online training course on "Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System" conducted by this institute during September 04, 2018 to November 26, 2018.

दिनांक/ Date: 29-01-2019  
देहदुद्र/ Dehradun

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

समूह प्रमुख,  
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह  
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

**Raja Shripatrao Bhagawantrao**  
Mahavidyalaya, Aundh (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



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