

**RAJA SHRIPATRAO BHAGAWANTRAO MAHAVIDYALAYA, AUNDH, SATARA**



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


**Date: 30/11/2020**

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:** Geographical Information System
- 2. Duration:** 28/09/2020 – 05/10/2020 **Total Days:** 08
- 3. Number of enrolled students:** 13
- 4. Name of Coordinator:** Dr. Telore Namdev Vasant
- 5. Name of Resource Persons:** i) Ms. Minakshi Kumar ii) Mr. Ashutosh Bhardwaj  
iii) Mr. Prasun Kumar Gupta
- 6. Objectives of the Programme:**
  - i. To know basic concepts of Geographical Information System.
- 7. Outcome of the Programme:**
  - i. Participants become aware of Geographical Information System.


Centre Coordinator

  
(Dr. Namdev V. Telore)

Dr. Namdev V. Telore

Centre Coordinator,  
Indian Institute of Remote Sensing, ISRO, Dehradun,  
Department of Space, Government of India,  
R.S.B. Mahavidyalaya, Aundh, Satara

Principal

  
T/O PRINCIPAL  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (Satara)

12/11/2019

iirs

# Announcement Brochure

## International Programme

### Basics of Remote Sensing, Geographical Information System and Applications of Remote Sensing and Satellite System

There are limited number of seats. Registration will be done on first come first serve basis



Organised by

International Programme on Remote Sensing  
for the Space Research Organisation  
Department of Space, Govt. of India  
Dehradun

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**T/O PRINCIPAL**  
Raja Shriprakash Maheshwari  
(Mahanagar, Nanded, Satara)



## About IIRS

Indian Institute of Remote Sensing (IIRS), a unit under Indian Space Research Organization (ISRO), Department of Space, Government 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 boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavor 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 user groups in the society, ranging from fresh graduates to policy makers including academia.

The training and education programmes at IIRS includes the short duration customized courses, PG Diploma, Master's Degree (M.Tech and M.Sc.) in various disciplines. IIRS also conducts distance learning programmes under IIRS Outreach Activity.

## IIRS Outreach Programme

IIRS Outreach Programme focusses on strengthening the Academia and User Segments in Space Technology & Its Applications using Online Learning Platforms. IIRS distance learning program was initiated in 2007 with the participation of twelve universities in India. Till date, IIRS has successfully conducted 61<sup>th</sup> programs through live and interactive classrooms (also known as EDUSAT programme) and also launched five online courses under e-learning programme. Currently IIRS distance learning programme is being conducted through following modes:

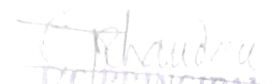
1. Live and Interactive classroom sessions (<https://dlp.iirs.gov.in>)
2. E-learning based online courses (<https://elearning.iirs.gov.in>)

## Live and Interactive classroom

The use of Remote Sensing, Geographical Information System, Global Navigation Satellite System and associated geospatial technologies is increasing rapidly, creating an urgent demand for trained manpower. The live and interactive mode of distance learning is enabled through Internet and A-view software platform developed by Amrita e-learning Lab in collaboration with Ministry of Human Resource Development (MHRD) Government of India. The programs are available through Internet without any cost to the user. The live and interactive sessions will be conducted by experts from IIRS-ISRO and other knowledge Institutions. IIRS has successfully conducted 63 such courses so far with participation of over 167000+ participants from 1900+ academic institutions, government departments and industry. The beneficiaries of the programme may include:

- ❖ Central/State/Private Universities & Academic Institutions;
- ❖ Central & State Government Organisations/Departments;
- ❖ Research Institutes;
- ❖ Geospatial Industry;
- ❖ NGOs.

IIRS also conducts various theme oriented online courses and monthly webinars on recent topics on geospatial technologies and its applications. Users are encouraged to actively participate on these programs. For more detail please visit IIRS official website-

  
PRINCIPAL  
Rajashree B. Bhagwantrao  
Maharaja College, Kundli (Satara)

## Course Announcement

IIRS announces four courses commencing from August 17<sup>th</sup>, 2020

- ❖ Remote Sensing and Digital Image Analysis (17/08/2020 to 11/09/2020): 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 (14/09/2019 to 25/09/2020): Introduction to GPS and GNSS, receivers, processing methods, errors and accuracy.
- ❖ Geographical Information Systems (28/09/2020 to 15/10/2020): GIS, databases, topology, spatial analysis and open source software.
- ❖ Basics of Geocomputations and Geoweb Services (19/10/2020 to 29/10/2020): Geocomputation and Geoweb Services
- ❖ RS and GIS Applications (28/10/2020 to 20/11/2020): Agriculture and Soil, Forestry and Ecology, Geoscience and Geo-hazards, Marine and Atmospheric Sciences, Urban and Regional Studies and Water Resources
- ❖ Comprehensive course (17/08/2020 to 20/11/2020): Comprehensive course consisting of above five courses.

The participants can register for individual course of their choice or the entire Programme.

## Target Participants

- ❖ Undergraduate and Postgraduate (any year)
- ❖ Technical/ Scientific Staff of Central/ state Government/Faculty/researchers at university/institutions

## 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 E-CLASS.

## Course Fee

There is no fee.

## Course Registration

- ❖ Course updates and other details will be available on URL- <http://www.iirs.gov.in/Eclass/News/>
- ❖ To participate in this programme the interested organizations/ universities/ departments/ Institutes has to identify a coordinator at their end. The identified coordinator will register online his/her Institute as nodal center in IIRS website.
- ❖ All the participants has to register online through registration page by selecting his/her organization as nodal center
- ❖ 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.



DR Namdev V. Telore  
Department of Geography  
R.S. Baf College, Solapur, Satara



I/C PRINCIPAL

Raja Shripada Mahawade  
Mahavideya College, Solapur (Satara)

## Programme Reception

Programme can be received through E-CLASS platform of IIRS-ISRO Using internet connectivity. No specific hardware /software required. However it is recommended good internet connectivity at user end. To run the programme in class room following computer hardware will be required

- Desktop computer with web camera microphone & output speaker or laptop with microphone camera and output speaker
- Large display screen /projector/TV

\*Note: Participating institutions have to bear total expenses for establishment of the classroom facility.

## Important Links

Course updates, and other details will be available on URL: [www.iirs.gov.in](http://www.iirs.gov.in)

To participate in this programme the interested organisations/ universities/ departments/ institutes have to identify the Coordinator at their end. The identified coordinator will register online his/her Institute as nodal centre in IIRS website

( [www.iirs.gov.in](http://www.iirs.gov.in) )

All the participants have to register online through registration page ( [www.iirs.gov.in](http://www.iirs.gov.in) ) by selecting his/her organisation as nodal centre.

## Award of Certificate

Working Professional and Students: Based 70% attendance and 40% marks in the online examination

## Feedback Mechanism

The participants are required to submit their feedback online through IIRS e-Learning portal. Feedbacks are critically analyzed and implemented in further courses. Selected participants and participating organization will be invited to attend annual IIRS Academia Meet (IAM) at IIRS Dehradun.



Outreach Programme Feedback Session during  
IIRS Academia Meet (IAM)-2020



IIRS received two national awards for excellence in training for outreach and e-learning programme by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).

## Contact Details

IIRS Distance Learning Centre

Indian Institute of Remote Sensing, Indian Space Research Organization  
Department of Space, Govt. of India, 4-Kalidas Road, Dehradun-248001

Email: [dlp@iirs.gov.in](mailto:dlp@iirs.gov.in); Tel: 0135-2524354/4130/4334

Monday to Friday (9:30 AM to 05:00 PM)

DR. Namdev V. Telore

Department of Space

4-Kalidas Road, Dehradun-248001

Chandru  
T/C PRINCIPAL  
Raja Shri Mahavidyalaya, Raigarhwartra  
Mahayidyalaya, Raigarhwartra

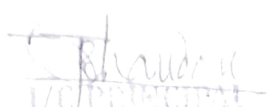


**Module- 3: Geographical Information System**  
**Module/ Course Module/Course Coordinator: Shri. Prabhakar Alok Verma**

Last Updated on: 9 October 2020

Date	Day	Time	Topic	Speaker
28/09/2020	Monday	1600-1705 hrs	Introduction to GIS	Dr. Sameer Saran
		1705-1730 hrs	Interactive Session	
29/09/2020	Tuesday	1600-1700 hrs	Geographic Phenomena, Concepts and examples	Shri Prasun Kumar Gupta
		1705-1730 hrs	Interactive Session	
30/09/2020	Wednesday	1600-1700 hrs	Data Inputting and Editing in GIS	Shri K. Shiva Reddy
		1705-1730 hrs	Interactive Session	
01/10/2020	Thursday	1600-1700 hrs	GIS Data Models (Spatial and Non spatial)	Shri Ashutosh Kumar Jha
		1705-1730 hrs	Interactive Session	
05/10/2020	Monday	1600-1700 hrs	Map Projection Concepts & Use in RS & GIS	Dr. Ashutosh Srivastav
		1705-1730 hrs	Interactive Session	
06/10/2020	Tuesday	1600-1700 hrs	Spatial Analysis - Introductory Concepts and Overview	Shri Prabhakar Alok Verma
		1705-1730 hrs	Interactive Session	
07/10/2020	Wednesday	1600-1700 hrs	Spatial Analysis - Functionality and Tools	Shri Kapil Oberai
		1705-1730 hrs	Interactive Session	
08/10/2020	Thursday	1600-1730 hrs	Open Source Software Technology & Tools	Shri Prasun Kumar Gupta
09/10/2020	Friday	1600-1700 hrs	Uncertainty in GIS and Error Propagation	Shri Prabhakar Alok Verma
		1705-1730 hrs	Interactive Session	
12/10/2020	Monday	1600-1700 hrs	Advanced Geospatial Modeling	Shri Ashutosh Kumar Jha
		1705-1730 hrs	Interactive Session	
13/10/2020	Tuesday	1610-1650 hrs	Overview of Big Data Analytics	Shri Kapil Oberai
		1655-1740 Hrs	Overview of Machine Learning for GIS	Shri Prabhakar Alok Verma
14/10/2020	Wednesday	1600-1730 hrs	Recent Trends in Geoinformatics	Dr. Sameer Saran
15/10/2020	Thursday	1600-1730 hrs	Panel Discussion of Module 3	All Module -3 Faculty

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 I/C/PROFESSOR  
 Raja Shripati College of Engineering  
 Mahavidyalaya, Amli (Satara)



6	20170813000000	Shata-sh Gawade	19- 04- 1990	9910530079	shatakshir@gmail.com	Approved
7	20170813000000	PRADDEE AMBAVANE	22- 10- 1980	9011101501	pradeepamavane@gmail.com	Approved
8	20170813000000	RAHLL TAPR	08- 10- 1978	782047117	teakmanul@gmail.com	Approved
9	20170813000000	FRAT KSHA PATVAR	28- 08- 1989	907514143	sratinenshatwar@gmail.com	Approved
10	20170813000000	SUDHEE PALE	22- 03- 1993	9350318144	sudheepale@gmail.com	Approved
11	20170813000000	Sweety Katre	03- 03- 1997	961830008	katresweety@gmail.com	Approved
12	20170813000000	ABHISHEK KHAIFE	27- 10- 1996	888945103	abhishekhaife17@gmail.com	Approved
13	20170813000000	SURAJ WANI	14- 02- 1995	878877013	surajwan2@gmail.com	Approved

*[Signature]*  
Principal  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (Satara)

*[Signature]*  
I/C PRINCIPAL  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (Satara)



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Attendance Record for Course on Geographical Information System

Registration Number	Name	Total Sessions	No. of sessions attended	Percentage of Attendance	Eligibility for Examination/Certificate
200068048003	MR. V. P. LAKSHMAN, SHARDE	12	12	100	Yes
200068048004	MS. RUCHI RAJESH KUMAR, KOTUR	12	12	100	Yes
200068048005	MR. V. B. CHANDRASEKAR, SHARDE	12	12	100	Yes
200068048006	MS. SURESH, SHARDE	12	12	100	Yes
200068048007	MR. PRADIP K. S. BHAVAR, SHARDE	12	12	100	Yes
200068048008	MR. RAJESH K. S. BHAVAR, SHARDE	12	12	100	Yes
200068048009	MRS. PRADIP K. S. BHAVAR, SHARDE	12	12	100	Yes
200068048010	MR. SUPAL DEEPAK MAN, KAPLE	12	12	100	Yes
200068048011	MR. SURESH K. S. BHAVAR, SHARDE	12	12	100	Yes
200068048012	MR. ABHISHEK RAJENDRA, KHAIRE	12	12	100	Yes
200068048013	MRS. KIRTI PRAFUL MANI, KHAIRE	12	12	100	Yes
200068048014	MS. PRATIKSHA SUKARU, HATNAR	12	12	100	Yes

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Mahavidyalaya, Solapur  
 Solapur, Maharashtra  
 India

**Rajawade**  
**T/C PRINCIPAL**  
 Raja Shripatrao Bhagwantrao  
 Mahavidyalaya, Solapur (Mahara)







WPE-CMS Outreach Programme on Geographical Information System



Study Materials

attendance status

attendance

View Student

**Passed Courses**

S.No.	Reg.No.	Name	DOB	Mobile No.	Email	ID_Proof	Status
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1	2020680424825	Prachi Sathe	24-12-1986	9420194652	vaidya.praachi24@gmail.com		Approved
2	2020680427577	Rucha Joshi	30-06-1984	9970509030	rucha_joshi2012@gmail.com		Approved
3	2020680426289	Kirti Wani	24-02-1982	7350923844	kirtiwani@gmail.com		Approved
4	2020680428633	Vivek Gaikwad	20-06-1982	8698544883	vivek_gaikwad@gmail.com		Approved
5	2020680430009	Kapil Uphade	25-01-1994	7775922289	kapiluph_25@gmail.com		Approved
6	2020680431969	Shatakshi Gawade	19-04-1990	9910530519	shatakshi.g@gmail.com		Approved

**APPROVED**  
I/O PRINCIPAL

Raja Shripada Bhorvankar  
Mahavideya (Principal)

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ELECTRONIC COLLABORATIVE LEARNING  
WITH ACCESSIBLE SWAPPING SYSTEM

Registration  
Application  
0111

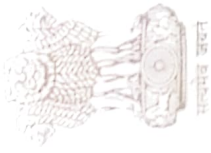
Point Out

- Apply Digital
- Update Student's
- Change Passw
- View End
- Sign Out

*[Signature]*

DR. Namdev V. Telam  
Department of  
R.S.B. College, Aurangabad

Principal  
R.S.B. COLLEGE  
Aurangabad



# 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



COR683232020

बहि: पॉस्टर 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 श्रीपत्राव  
इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम  
का संचालन दिनांक 28 सितम्बर, 2020 से 15 अक्टूबर, 2020 तक किया गया।

ने भारतीय सुदूर संवेदन संस्थान,  
में भाग लिया। इस ऑनलाइन पाठ्यक्रम

This is to certify that Raja Shripatrao Bhagwantrao  
has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO  
Dehardun on "Geographical Information System". This online programme was conducted during  
September 28, 2020 to October 15, 2020.

DP. Namdev V. Telore  
Department of Geography  
A.S.B. College, Aundh, Satara  
दिनांक/Date: 08-12-2020  
देहरादून/ Dehradun

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

T/C PRINCIPAL

समूह प्रमुख,  
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह  
Group Head, Geospatial Technologies & Outreach Programme Group, IIRS  
Raja Shripatrao Bhagwantrao  
Mahavidyalaya, Aundh (Satara)

Head, Geoweb Services, IT & Distance Learning Department, IIRS