

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

Co-ordinator

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

Principal

I/O PRINCIPAL

Raja Shripatrao Bhagwantrao
Mahavidyalaya, Aundh (Satara)



iirs

Announcement Brochure

IIRS Outreach Programme

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


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




August 17- November 20, 2020

Organised by

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


DR. Namdev V. Telore
Department of Geography
R.S.B. College, Aundh, Satara


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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 61th 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:

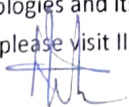
1. Live and Interactive classroom sessions (<https://dlp.iirs.gov.in>)
2. E-learning based online courses (<https://elearning.iirs.gov.in>)


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- www.iirs.gov.in


DP. Namdev V. Telore
Department of Space, Govt. of India
R.S.S. Centre, Ahmednagar


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Course Announcement

IIRS announces four courses commencing from August 17th, 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 System (28/09/2020 to 15/10/2020):** GIS, databases, topology, spatial analysis and open source software.
- ❖ **Basics of Geocomputation 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.
- ❖ **Basics of Remote Sensing, GIS and GNSS (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. <https://eclass.iirs.gov.in/login>

Course Fee

There is no course fee.

Course Registration

- ❖ Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-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.



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Mahavidyalaya, Aundh (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- <https://www.iirs.gov.in/EDUSAT-News>
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 (<https://elearning.iirs.gov.in/edusatregistration/coordinator>).

All the participants have to register online through registration page (<https://elearning.iirs.gov.in/edusatregistration/student>) by selecting his/her organisation as nodal centre.

Award of Certificate

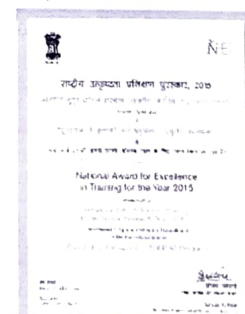
Working Professional and Students: Based 70% attendance and 40% marks in the online examination

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; Tel: 0135-2524354/4130/4334

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

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R.S.B. College, Alwar, Rajasthan

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Raja Shripati Go Bhagwantra
Mahavidyalaya, Alwar, Rajasthan





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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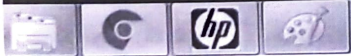
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7	20200432461	PRADEEP AMBAVANE	22-10-1980	901101501	pradeepambavane@gmail.com	View	Approved
8	2020680434573	RAHUL TAPKIR	08-10-1978	762041707	tapkirrahul@gmail.com	View	Approved
9	2020680458644	PRATIKSHA HATWAR	29-06-1999	907510445	pratikshashatwar@gmail.com	View	Approved
10	2020680458716	SUDHEER KALE	22-03-1996	985080844	sudheerkale22@gmail.com	View	Approved
11	2020680458724	Sweety Katre	08-09-1997	951831005	katresweety8@gmail.com	View	Approved
12	2020680459492	ABHISHEK KHAIRE	27-10-1998	888846203	abhishekkhaire111@gmail.com	View	Approved
13	2020680459940	SURAJ WANI	14-02-1995	878877013	surajwani2@gmail.com	View	Approved



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65: BS Outreach Programme on Geographical Information System

View Student Attendance attendance status Study Material Download Certificates

Attendance Record for Course on Geographical Information System

Registration Number	Name	Total Sessions	No. of sessions attended	% of Attendance	Eligibility for Examination/Certificate
2020680430009	MR. KAPIL ARUNRAO UPHADE	13	1	7.69	No
2020680427577	MS. RUCHA RAMCHANDRA JOSHI	13	2	15.38	No
2020680426633	MR. VIVEK DHARMVEER GAIKWAD	13	2	15.38	No
2020680455724	MS. SWEETY SUKHDEV KATRE	13	3	23.08	No
2020680432461	MR. PRADEEP KRISHNA AMBAVANE	13	10	76.92	Yes
2020680434573	MR. RAHUL TAPKIR	13	10	76.92	Yes
2020680424825	MRS. PRACHI SAMEER SATHE	13	11	84.62	Yes
2020680459940	MR. SURAJ DEEPAK WANI	13	11	84.62	Yes
2020680458716	MR. SUDHEER SHIVAJI KALE	13	12	92.31	Yes
2020680431969	MS. SHATAKSHI GAWADE	13	12	92.31	Yes
2020680459492	MR. ABHISHEK RAJENDRA KHAIRE	13	12	92.31	Yes
2020680426289	MRS. KIRTI PRAFUL WANI	13	12	92.31	Yes
2020680456644	MS. PRATIKSHA SUKARU HATWAR	13	12	92.31	Yes



[Signature]
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Future Courses

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Change Password

View Profile

Sign Out

68- IIRS Outreach Programme on Geographical Information System

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S.No.	RegNo.	Name	DOB	Mobile No.	Email	ID_Proof	Status
1	2020680424825	Prachi Sathe	24-12-1986	9420194652	vaidya.prachi24@gmail.com	View	Approved
2	2020680427577	Rucha Joshi	30-06-1984	9970509030	ruchajoshi2012@gmail.com	View	Approved
3	2020680428289	Kirti Wani	24-02-1982	7350923344	kirtiwani@gmail.com	View	Approved
4	2020680428833	Vivek Gaikwad	20-06-1982	8698544883	vivekk.gaikwad@gmail.com	View	Approved
5	2020680430009	Kapil Uphade	25-01-1994	7775922289	kapiluph.25@gmail.com	View	Approved
6	2020680431969	Shatakshi Gawade	19-04-1990	9910530519	shatakshi.g@gmail.com	View	Approved
7	2020680432461	PRADEEP	22-	9011015601	pradeepambayane@gmail.com	View	Approved

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E-CLASS
 ELECTRONIC COLLABORATIVE LEARNING
 AND KNOWLEDGE SHARING SYSTEM

Ongoing Courses

Live Lecture

Offline Session

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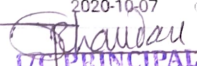
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68- IIRS Outreach Programme on Geographical Information System

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Session Name	Presenter	Session Date	Project
Introduction to GIS Interactive Session	Dr. Sameer Saran	2020-09-28	download
Geographic Phenomena, Concepts and examples Interactive Session	Shri Prasun Kumar Gupta	2020-09-29	download
Data Inputting and Editing in GIS	Shri K. Shiva Reddy	2020-09-30	download
GIS Data Models (Spatial and Non spatial)	Shri. Ashutosh Kumar Jha	2020-10-01	download
Map Projection Concepts & Use in RS & GIS	Dr. Ashutosh Srivastav	2020-10-05	download
Spatial Analysis - Functionality and Tools	Shri Kapil Oberai	2020-10-07	download


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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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बहिःपरिसर 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 देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम “भौगोलिक सूचना प्रणाली” में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 28 सितम्बर, 2020 से 15 अक्टूबर, 2020 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 Dehradun on “**Geographical Information System**”. This online programme was conducted during September 28, 2020 to October 15, 2020.

DR. Namdev V. Telore
Department of Geography
R. S. B. College, Panch 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

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

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