

SYMBIOSIS INTERNATIONAL (Deemed University)

Symbiosis Institute of Geoinformatics, Pune

NAAC 5.1.3- Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology		
File Name: 5.1.3_SIG_20-21_Capacity enhancement.pdf		
Sr. No	Details of Documents	No of Pages
1.	Technology trends 1 – Course brochure, course letter, Time table, Participants list, certificate	5
2.	Technology trends 2 – Course content, Participants list, certificate	4
3.	Technology trends 3 – Course brochure, course letter, Time table, Participants list, certificate	5
4.	Summary sheet	1

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Outreach Programme

IIRS outreach programme, which was started in 2007, has now grown substantially to 1100. The beneficiaries of the programme include:

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



Outreach programme feedback session during IIRS Academia Meet (IAM)-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 on 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 boasts to be 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
Course Director &
Head, Forestry and Ecology Department
Tel: 0135-2524170
Email: hitendra@iirs.gov.in

Dr. Subrata Nandy
Course Coordinator
Forestry and Ecology Department
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Email: nandy@iirs.gov.in

Dr. Poonam S Tiwari
Programme Coordinator
IIRS Outreach Programme
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IIRS DLP Team
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Tel: 0135-2524130
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Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India,
4 Kalidas Road, Dehradun
Email: dip@iirs.gov.in



60th IIRS Outreach Programme



Application of Geoinformatics in Ecological Studies

July 13-24, 2020



Organised by

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

www.iirs.gov.in

About the Course

Recent advancements in the field of geoinformatics have a significant impact on ecological studies, providing spatial data associated information to enable a better understanding of ecological systems. Remote sensing has been widely used as a source of environmental information for ecological research. The temporal dimension of remote sensing is also a valuable attribute for studies of ecological systems at local to global scales, providing a means to study the effects of environmental change. Researchers have become increasingly aware of the potentials of GIS and of data availability and tools for ecological modelling applications. There has been considerable development in WebGIS with regard to visualization and geospatial analysis that are useful to the ecologist. The recent surge in Free and Open Source Software (FOSS) of GIS has added another dimension by providing services beneficial to the ecological and environmental sciences. With the development of new active and passive sensors with improved spatial, spectral, temporal, and metric resolutions, Earth observation data along with better data integration approaches can contribute immensely to ecological research.

Course Contents

An overview of application of geoinformatics in ecological studies
Ecological niche-based species distribution modelling
Ecological studies using LIDAR
Biodiversity assessment with geoinformatics
Geostatistical analysis in ecological studies
Biodiversity Informatics and citizen science
Satellite telemetry for wildlife studies
Ecological studies using cloud computing (Demo)

Target Participants

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

The course participants have to be duly sponsored by their university/institution and application should be forwarded through coordinators from respective organisations/centres. Users attending programmes under CEC-UGC/CIET/other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate.

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://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- <https://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 have to register online through registration page by selecting his/her organization as nodal center.

Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System – Standing Committee on Training and Education (SC-T), Indian Space Research Organisation, Department of Space, Government of India.

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 hardware will be required:

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

Important links

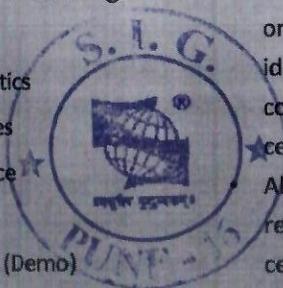
Course updates and other details will be available on URL- <https://www.iirs.gov.in/EDUSAT-News>

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 by selecting his/her organisation as nodal centre.

<https://elearning.iirs.gov.in/edusatregistration/student>

Award of Certificate

Working Professionals and Students: Based on 70% attendance and 40% in the online examination





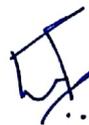
Indian Institute of Remote Sensing
Indian Space Research Organisation
Dept. of Space, Govt. of India
Dehradun

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60th IIRS Outreach Programme
on
Application of Geoinformatics in Ecological Studies
July 13-24, 2020

Lecture Schedule

Date & Time	Topic	Faculty/Resource person
13.07.2020 1600-1730 hrs	An overview of application of geoinformatics in ecological studies	Dr. Hitendra Padalia
14.07.2020 1600-1730 hrs	Ecological niche-based species distribution modelling	Dr. Hitendra Padalia
15.07.2020 1600-1730 hrs	Ecological studies using LiDAR	Dr. Subrata Nandy
16.07.2020 1600-1730 hrs	Biodiversity assessment with geoinformatics	Dr. Ishwari Datt Rai
17.07.2020 1600-1730 hrs	Geostatistical analysis in ecological studies	Dr. Taibanganba Watham
20.07.2020 1600-1730 hrs	Biodiversity informatics and citizen science	Dr. Sameer Saran
21.07.2020 1600-1730 hrs	Satellite telemetry for wildlife studies	Dr. Gautam Talukdar
23.07.2020 1600-1730 hrs	Ecological studies using cloud computing (Demo)	Dr. Subrata Nandy & Ms. Ritika Srinet
24.07.2020 1600-1700 hrs	Panel discussion	



SYMBIOSIS INTERNATIONAL (Deemed University)
Symbiosis Institute of Geoinformatics, Pune
Attendance Sheet

S.No.	RegNo.	Name	DOB	Mobile No.	Email	ID_Proof	Status
1	<u>2.0206E+12</u>	Kunal Seth	28-07-99	9800080902	kunalseth012@yahoo.com	View	Approved Disapprove
2	<u>2.0206E+12</u>	Abhimanyu Pathak	03-01-95	8376911904	abhimanyu.p51@gmail.com	View	Approved Disapprove
3	<u>2.0206E+12</u>	SHARON THOMAS	14-03-95	9495990814	19070146009@sig.ac.in	View	Approved Disapprove
4	<u>2.0206E+12</u>	Sarina Podder	29-04-97	8981602489	18070241039@sig.ac.in	View	Approved Disapprove
5	<u>2.0206E+12</u>	Datta Kamble	27-11-83	9921431983	kambledattac99@yahoo.com	View	Approved Disapprove



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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



नामांकन सं./ Enrollment No. : 2020600137534



ऑनलाइन दूरस्थ अधिगम प्रमाण पत्र
ONLINE DISTANCE LEARNING CERTIFICATE

पाठ्यक्रम प्रमाणपत्र/ COURSE COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि श्री कुनाल सेठ को यह प्रमाण पत्र “ पारिस्थितिकी अध्ययन में भू-सूचना विज्ञान के अनुप्रयोग ” में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस) द्वारा 13 जुलाई, 2020 से 24 जुलाई, 2020 के दौरान किया गया। प्रतिभागी ने आईआईआरएस आउटरीच नेटवर्क सेंटर, सिम्बायोसिस इंस्टिट्यूट ऑफ जियोइन्फॉर्मेटिक्स पुणे महाराष्ट्र से इस पाठ्यक्रम में भाग लिया है।

This is to certify that **MR. KUNAL SETH** has been awarded this certificate on having completed the online course on “**Application of Geoinformatics in Ecological Studies**”. The course was conducted by Indian Institute of Remote Sensing (IIRS), during 13-07-2020 to 24-07-2020 . The participant has attended the course at IIRS outreach network centre, **Symbiosis Institute Of Geoinformatics, Pune, Maharashtra.**



17



17

Dr. (Prof.) T. P. Singh
Director

समन्वयक, विश्वविद्यालय/ संस्थान
Coordinator, University/ Institution

17

निदेशक/ Director,
आईआईआरएस, देहरादून/IIRS, Dehradun

Date: 10-09-2020
Dehradun

UID- 7f983174fdc0cc23a55a70dbcd0c1433 .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

Course Name: Remote Sensing & Digital Image Analysis
Course Coordinator: Mrs. Minakshi Kumar

17 August-11 September

Date	Day	Time	Topic	Speaker
17/08/2020	Monday	1600-1730 hrs	Course Inauguration and Introductory Lecture , Indian Space Programme	Dr. Prakash Chauhan
18/08/2020	Tuesday	1600-1700 hrs	Basic Principles of Remote Sensing	Ms. Manu Mehta
		1700-1730 hrs	Interactive Session	
19/08/2020	Wednesday	1600-1700 hrs	Earth Observation Sensors and Platforms	Mr. Vinay Kumar
		1700-1730 hrs	Interactive Session	
24/08/2020	Monday	1500-1545 hrs	Spectral Signatures of Different Land cover Features and Visual Image interpretation	Dr. Hina Pande
		1545-1600 hrs	Interactive Session	
24/08/2020	Monday	1605-1700 hrs	Digital Image Processing: Basic Concepts Rectification and Registration	Ms. Minakshi Kumar
		1700-1730 hrs	Interactive Session	
25/08/2020	Tuesday	1500-1545 hrs	Enhancement techniques Image	Dr. Poonam S. Tiwari
		1545-1600 hrs	Interactive Session	
25/08/2020	Tuesday	Offline Session	RS and Image Interpretation Practical	Self-Practice by participants / Assignment
26/08/2020	Wednesday	1500-1545 hrs	Image Classification Techniques and Accuracy Assessment Part 1	Dr. Poonam S. Tiwari
		1545-1600 hrs	Interactive Session	
26/08/2020	Wednesday	1605-1700 hrs	Thermal Remote Sensing	Dr. Yogesh Kant
		1700-1730 hrs		
27/08/2020	Thursday	1600-1700 hrs	Image Classification Techniques and Accuracy Assessment Part 2	Dr. Poonam S. Tiwari
		1700-1730 hrs	Interactive Session	
28/08/2020	Friday	1600-1700 hrs	Digital Change Detection	Ms. Minakshi Kumar
		1700-1730 hrs	Interactive Session	
31/08/2020	Monday		Onam Festival	
01/09/2020	Tuesday	1600-1730 Hrs	GEE Application Programming Interface: Introduction and Case Studies Demo	Ms. Supriya sharma
02/09/2020	Wednesday	1600-1700 hrs	Hyperspectral Remote Sensing	Mr. Vinay Kumar
		1700-1730 hrs	Interactive Session	
03/09/2020	Thursday	1600-1700 hrs	Demonstration: Image Processing Software	Ms. Minakshi Kumar
		1700-1730 hrs		

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Date	Day	Time	Topic	Speaker
			Interactive Session	
04/09/2020	Friday	1600-1700 hrs	Basics of SAR Remote Sensing	Mr. Shashi Kumar
		1700-1730 hrs	Interactive Session	
07/09/2020	Monday	1600-1700 hrs	Basics of SAR Data Processing	Ashish Joshi
		1700-1730 hrs	Interactive Session	
08/09/2020	Tuesday	1600-1700 hrs	Basics of LIDAR Remote Sensing	Dr. Hina Pande
		1700-1730 hrs	Interactive Session	
04/09/2020 07/09/2020 08/09/2020	Friday , Monday & Tuesday	Offline Session	Image Processing Hands-on practice	Self-Practice by participants / Assignment
10/09/2020	Thursday	1600-1700 hrs	Basics of UAV Remote Sensing	Mrs. Shefali Agrawal
		1700-1730 hrs	Interactive Session	
11/09/2020	Friday	1600-1730 hrs	Panel Discussion/Query Session	All the faculty
28/09/2020	Monday Tuesday & Wednesday	9:30 to 1500 Hs	Examination Examination Website: https://clearing.iirs.gov.in/	As per allotted Slot Details and procedure will be uploaded on below link: https://www.iirs.gov.in/ EDUSAT-News

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1	<u>2.0207E+12</u>	Kunal Seth	28-07-1999	9800080902	20070241030@sig.ac.in	View	Approved
2	<u>2.0207E+12</u>	Mustafa Pipaliya	19-06-1999	8401816752	20070241038@sig.ac.in	View	Approved
3	<u>2.0207E+12</u>	sonika dixit	02-07-97	8840736808	sonika.dixit98@gmail.com	View	Approved





भारत सरकार
अंतरिक्ष विभाग
भारतीय अंतरिक्ष अनुसंधान संगठन
भारतीय सुदूर संवेदन संस्थान, देहरादून



सत्यमेव जयते

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
INDIAN SPACE RESEARCH ORGANISATION
INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrollment No. : 2020650239607

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

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यह प्रमाणित किया जाता है कि श्री मुस्तफा युसुफभाई पिपलिया को यह प्रमाण पत्र “ सुदूर संवेदन और डिजिटल छवि विश्लेषण ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 17 अगस्त, 2020 से 11 सितंबर, 2020 (कुल पाठ्यक्रम अवधि = 25 घंटे 30 मिनट) के दौरान किया गया ।

This is to certify that **MR. MUSTAFA YUSUFBHAI PIPALIYA** has been awarded this certificate for participation in online course on “**Remote Sensing and Digital Image Analysis**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **17-08-2020 to 11-09-2020 (Total course duration = 25 hours and 30 minutes)** .

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J



Dr. (Prof.) T. P. Singh
Director

निदेशक/ Director

Date: 03-12-2020
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun

IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 2800. The beneficiaries of the programme may include:

- Water Resource Professionals
- State Water Resources / Irrigation Departments / Training Academies
- Central/State/Private Universities & Academic Institutions
- Central & State Government Departments
- Research Institutes
- Geospatial Industries
- NGOs

Feedback Mechanism

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



Feedback session during IIRS Academia Meet (IAM)-2020

Awards of Appreciation

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

Contact Details

Dr. S.P. Aggarwal
Group Head, WRD & Course Director

Dr. Bhaskar R. Nikam
Course Coordinator

IIRS DLP Team

Dr. Harish Karnatak
Head, GIT & DL Dept.

Dr. Poonam S Tiwari
Programme Coordinator
IIRS Outreach Programme

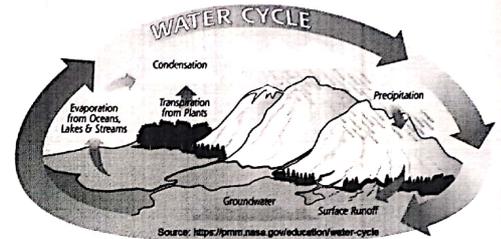
Mr. Janardan Vishwakarma

Mr. Ashok Ghildiyal
Tel: 0135-2524130; email- dip@iirs.gov.in



Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India,
4-Kalidas Road, Dehradun
Email: dip@iirs.gov.in

IIRS Outreach Programme



Geospatial Technology for Hydrological Modelling

July 19-30, 2021



Organised by

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

www.iirs.gov.in

About the Course

Hydrological modeling is an effective and essential tool for assessment, prediction and management of water resources, hydrological parameters and water movement/demand/use scenarios. The advancements in geospatial technology and data have opened a new avenues of research and operational applications of hydrological modelling. The hydrological models requires basic geo-referenced data such as, land use land cover (LULC), soil maps, and digital elevation models etc., for capturing the spatio-temporal variations of these thematic layers. Most of these datasets can be easily derived from remote sensing images and limited ground truth. The hydro-meteorological data such as precipitation, air and land surface temperature, solar radiation, evapotranspiration, soil moisture, river and lakes water levels, river discharge, and terrestrial water storage can be also be derived from remote sensing as well as from point based ground instruments. The GIS based platforms, both commercial and open source, provides an excellent interface for integration of all such geospatial and hydro-meteorological data to accomplish the hydrological modeling. Such modeling studies can be done at various spatio-temporal scales, ranging from city, watershed to basin level and at time scale of few hours to daily/annual time steps.

Detailed lectures on overview and sources of various satellite based hydrological parameters; integration of geo-spatial data in various hydrological models; practical applicability and basic knowledge of widely used hydrological models; would be a part of this training

Pre-requisites:

- Graduate Degree in Science/Technology
- Understanding of Basic concepts of Remote Sensing, GIS and Hydrology

Curriculum

- Geospatial technology applications for Water Resources: An Overview
- Type of hydrological models and Spatial, Non-spatial Data Inputs for Hydrological Modelling
- Digital Elevation Model and its Derivatives for hydrological Modelling
- Rainfall-Runoff Modelling
- Snow/Glacier melt-Runoff Modelling
- Soil Erosion and Sediment Yield Modelling
- Flood peak Estimation using Hydrological Modelling
- River Flow Modelling using 1D Hydrodynamic
- Impact Climate Change on Hydrological Regime

Target Participants

- The course is designed for professionals from Central / State Govt. / Private Organizations / NGO engaged in water resources management and planning, regional and national water resources projects; students and researchers aligned to research in water resources.

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.

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

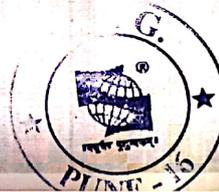
The programme is sponsored by IIRS, Indian Space Research Organisation, Department of Space, Government of India, Dehradun

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 workshop via the YouTube channel of IIRS i.e. <https://www.youtube.com/user/edusat2004>
- The content of the workshop will be available offline after 24 hours in the e-class portal.

Award of Certificate

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



Lecture Topics for Outreach Programme on “Geospatial Technology for Hydrological Modelling”

Lecture Time : 4PM to 5.30 PM

Time: Two Weeks

Start: July 19, 2021

Lecture/Date	Title	Faculty
L-1 19/07/2021	Geospatial technology applications for Water Resources: An Overview	SPA
L-2 20/07/2021	Type of hydrological models and Spatial, Non-spatial Data Inputs for Hydrological Modelling	VG
L-3 22/07/2021	Digital Elevation Model and its Derivatives for hydrological Modelling	AC
L-4 23/07/2021	Hydrological Modelling-1: Rainfall-Runoff Modelling	VG
L-5 26/07/2021	Hydrological Modelling-2: Snow/Glacier melt-Runoff Modelling	PKT
L-6 27/07/2021	Hydrological Modelling-3: Soil Erosion and Sediment Yield Modelling	BRN
L-7 28/07/2021	Hydrological Modelling-4: Flood peak Estimation using Hydrological Modelling	PKT
L-8 29/07/2021	Hydrological Modelling-5: River Flow Modelling using 1D Hydrodynamic Models	PRD
L-9 30/07/2021	Impact Climate Change on Hydrological Regime (In Hindi language)	SPA
30/07/2021	Panel Discussion	

Faculty

SPA: Dr. S. P. Aggarwal, Group Head, WRD, IIRS

PKT: Dr. Praveen K. Thakur, Sci./Eng. 'SF', WRD, IIRS

BRN: Dr. Bhaskar R. Nikam, Sci./Eng. 'SF', WRD, IIRS

VG: Dr. Vaibhav Garg, Sci./Eng. 'SF', WRD, IIRS

AC: Mr. Arpit Chouksey, Sci./Eng. 'SE', WRD, IIRS

PRD: Mr. Pankaj R. Dhote, Sci./Eng. 'SD', WRD, IIRS



SYMBIOSIS INTERNATIONAL (Deemed University)
Symbiosis Institute of Geoinformatics, Pune
Attendance Sheet

S.No.	RegNo.	Name	DOB	Qualification	Subjects	Year	ID Proof
1	2021831136949	NG Gayathri	25-09-99	Graduation	Geology, Maths, chemistry	2020	View
2	2021831075772	Pallapati Dhanush	13-11-99	Graduation	B.Sc Geography, Tourism and Travel Management	2020	View
3	2021831169492	Diksha	26-11-98	Post Graduation	Geoinformatics	2022	View

FA





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



नामांकन सं. / Enrolment No. : 2021831075772

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE



यह प्रमाणपत्र

श्री पल्लापति धनुष

को "जियो-स्पेशियल तकनीक का हाइड्रोलॉजिकल मॉडलिंग में उपयोग"

में ऑनलाइन पाठ्यक्रम में भाग लेने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 19 जुलाई, 2021 से 30 जुलाई, 2021 (कुल पाठ्यक्रम की अवधि = 13 घंटे 30 मिनट) के दौरान किया गया।
(संबन्धित आई.आई.आर.एस. नोडल केंद्र - सिम्बियोसिस इंस्टिट्यूट ऑफ जियोइन्फॉर्मेटिक्स पुणे, महाराष्ट्र)

THIS CERTIFICATE IS

AWARDED TO

MR. PALLAPATI DHANUSH

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Geospatial technology for hydrological modelling"

THIS ONLINE COURSE WAS CONDUCTED DURING 19-07-2021 to 30-07-2021 (Total course duration was = 13 hours
and 30 minutes).

(Concerned IIRS Nodal Centre- Symbiosis Institute Of Geoinformatics, Pune, Maharashtra)



Dr. (Prof.) T. P. Singh
Director

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution

निदेशक/ Director
आई.आई.आर.एस. देहरादून/ IIRS, Dehradun

Date: 10-08-2021

Place: Dehradun

UID: 04384be412d49f385097e1b5368aa8ec. This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

Summary

Name of the capacity enhancement scheme	Year of implementation	Number of students enrolled	Name of the agencies involved with contact details
Technology – Application of Geoinformatics in Ecological Studies	July 13-24, 2020	5	IIRS, ISRO Tel: 0135-2524170 Email: hitendra@iirs.gov.in
Technology – Remote Sensing & Digital Image Analysis	17 August-11 September, 2020	3	IIRS, ISRO Tel: 0135-2524170 Email: hitendra@iirs.gov.in
Technology – Geospatial Technology for Hydrological Modelling	July 19-30, 2021	3	IIRS, ISRO Tel: 0135-2524130; email-dlp@iirs.gov.in

WJ

