

INDEX

6.3.3. Average number of professional development / administrative training programs organized by the Institution for teaching and non-teaching staff during the last five years

| Sl. No | Name of the Event | Page Number |
|---------------|---|--------------------|
| 1. | One week refresher course on Digital Design workshop | 1 |
| 2. | 70 th IIRS outreach Program on, Remote sensing and Land Degradation | 10 |
| 3. | 71 st IIRS outreach Program on, Advances in SAR-polarimetry & Interferometry | 22 |
| 4. | 64 th IIRS outreach Program on, Basics of remote sensing geographical information system and global navigation satellite system" | 33 |
| 5. | 69 th IIRS outreach Program on, "Rs & GIS Applications | 49 |
| 6. | 65 th IIRS outreach Program on, Remote sensing and digital Image analysis | 60 |
| 7. | 66 th IIRS outreach Program on, Global navigation satellite system | 71 |
| 8. | International webinar on Printed and flexible electronics | 81 |
| 9. | 61 st IIRS outreach Program on, Satellite photogrammetry and its applications | 84 |



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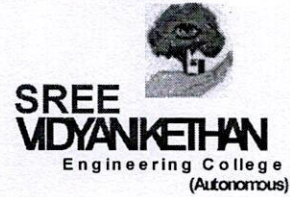
**SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)**

**Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA**

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One week refresher course on Digital Design workshop

One Week Refresher Course on



Digital Design Workshop

Coordinator
Ms. M. Bharathi,
Department of ECE, SVEC



Duration

22-02-2021 to 27-02-2021

Venue

ECAD Lab (202-B)

COURSE OUTCOMES:

- Enhance the designing and programming skills in electronic design using proteus.
- Analyze and apply the experience on the various methodologies and techniques in PCB design.
- Reduce the PCB dimension by choosing proper routing.
- Deliver the research contribution towards the societal needs using PCB design.
- Explore fundamentals of new device structure and new material availability in the technology transform

Resource Person

Ms. M. Bharathi & Ms K. Neelima

Department of ECE, SVEC

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WHO CAN PARTICIPATE ?

Faculty of ECE, EIE and EEE



E-certificates
will be given to
all the participants

Organized By
Department of ECE, SVEC

Follow us:

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Department of Electronics and Communication Engineering

Organizes

One Week Refresher Course on “Digital Design Workshop”

(22- 27 February, 2021)

Target Group: Faculty of ECE, EIE & EEE

Resource Persons

Ms. M. Bharathi, Assistant Professor

Ms. K. Neelima, Assistant Professor

Department of ECE

Timing: 02:15 PM -04:45PM

Venue: Room No.: ECAD lab 202(B)

Note: For registration please contact Resource Persons



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Report on One week Refresher Course on
Digital Design Workshop
(22- 27 February, 2021)

The digital nature of electronic signals offers a convenient, compact and noise-free representation of information. Digital signals can be easily stored in an electronic memory and can be easily understood by digital microprocessors. Examples of engineering problems in digital electronics are: how to efficiently perform arithmetic operations with digital signals on a microprocessor, how to communicate data without losing information, and how to design a reusable reconfigurable digital processor.

The analog nature of electronic signals is of importance as the real world is analog, and because in modern microchips even digital circuits exhibit analog behaviour. Examples of engineering problems in analog electronics are: how to efficiently represent an analog signal such as an image recorded by a digital camera in a digital format so that it can be stored in a digital memory or processed by a microprocessor; how to send large amounts of information such as high-definition video data from one microchip to another quickly; how to send data such as a text message to a cell phone wirelessly in the presence of interference; and how to design a pacemaker or neural implant to function inside a human body.

Career choices are abundant with locations around the world. Commonly advertised positions include: electronic engineer, circuit design engineer and analog/mixed-signal integrated circuit design engineer. Some major employers are: Intel, AMD, Analog Devices, Micron, and National Semiconductor.

In the glow of these developments, ECE Dept. of Sree Vidyanikethan Engineering College, Tirupati, has organized a Refresher Course on **Digital Design Workshop** as a forum on new and emerging applications in handheld and portable devices.

The intention of the Refresher Programme is to make the faculty and Research scholars understanding the analysis of Digital Design using Proteus tool to capture the electronic circuits and research challenges posed by electronic design industry

The Refresher course on **Digital Design Workshop** using Proteus tool proved their efficiency to

- Design and analyze the schematics
- Proteus is quite lenient in circuit designing and it works on ideal conditions i.e. if you don't add pull up resistors in Proteus simulation, then it won't give garbage value.
- Proteus is also used for PCB designing, we use Proteus ARES for that. (We will discuss later)
- Proteus is also used for designing/testing programming codes for different Microcontrollers i.e. Arduino, PIC Microcontroller, 8051 etc.
- Learn Printed Circuit Board (PCB) design from Scratch With Zero Experience in Electronics, No Effort and a Free Software

This Course is to bring together leading Faculty members in order to create a new laboratory of PCB design for B,Tech Students.

Advantages of Simulation using Proteus:

1. It gives the proper idea and implementation of our code and circuit before implementing hardware.
2. The configuration of the system model is so simple.
3. The process of simulation is safe to handle.
4. The simulation process is mostly used for knowing about the performance of the system
5. Without going into the construction of the system we can able to study the behavior of the system.
6. New hardware devices modeling, layout, and other areas of the system can perform the testing operation without committing the resource for their attainment.
7. It reduces the time on creating hardware and testing your errors directly on hardware. You can analyze your circuit and code both on Proteus and find the errors encountering before implementing it on hardware.

Objective of Refresher Programme

The Refresher Programme has been considered to envelop the following objectives

- To upgrade the knowledge of faculty to create schematics and electronic prints for manufacturing printed circuit boards.
- To strengthen the electronic design activities among the faculty and researchers by giving hands on experience on the usage of Proteus design suite tool.
- To emphasize the pedagogy of learning by analyze and apply the experience on the various methodologies and techniques in PCB design.
- To Orient the teaching and research community to solve the critical research issues in the field of PCB design.
- To helps to identify the thrust areas and developing new applications and enhance the curriculum development of quality teaching.

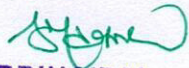
Session 1:

Demonstration of Proteus 8 Design Suite

Proteus Design Suite is used for teaching electronics, embedded design and PCB layout. Circuit simulation gives students a fast and fun practical learning tool. A software solution allows instructors to prepare and re-use virtual labs. Flexible licensing gives freedom for classes and assignments to be completed anywhere.

In this section participants learned on

- Why Proteus
- Introduction to proteus design Suite 8.0 professional
- ISIS
- Design Draw & Test your First Sample using ISIS
- Introduction to some techniques needed to master ISIS
- Create your own electric circuit element and add it to ISIS library
- ARES


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- Important Facts in PCB Designing

Session 2: This tool is widely used across various industry sectors as a cost-effective solution for professional PCB design and as a rapid prototyping tool for R&D. Virtual Prototyping enables system Testing before the first physical PCB is ordered. Shape based auto-routing as standard saves time with non-critical routing.

In this section participants has done the following experiments on hands on

1. RC Filter.
2. Half Wave Precision Rectifier.
3. Zener Regulator.
4. Diode Clamper.
5. Transistor as a Switch.
6. CMOS Inverter.

Session 3: Simulation is the process of designing a model of a real system and conducting experiments with a model for the purpose either of understanding the behavior of the system or of evaluating various steps to achieve the system operation. PROTEUS is one of the most famous PCB design software. It is integrated with the simulation and basic SPICE simulation capability to make a complete electronics design system. It reduces development time when compared with other embedded design process.

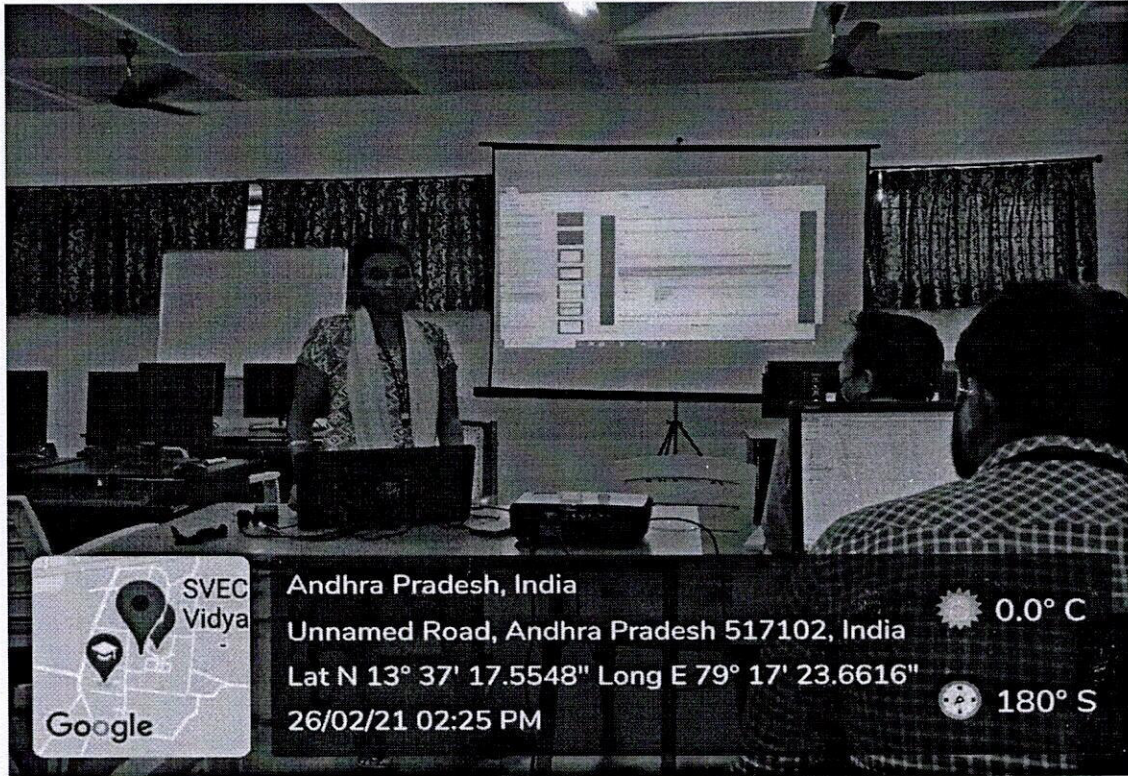
In this section participants has done the following experiments on hands on

- Create a PCB project sourcing schematic design and targeting a specific PCB layout.
- Placing the components.
- Component reference: This is assigned automatically. Component value: Editable Source selection
- Wire connection, click on the wire auto-router and connect the component terminal as required by topology.
- Output could be voltage/current of any element in the circuit. Measurements in PROTEUS mostly the voltage/current probes.
- Synthesize and implement the design for simulations: Interactive simulation – Mostly used for digital signals. Graph-based simulation – Mostly used for analog signals.
- Finally checking the GERBER files.


COURSE OUTCOMES: After successful completion of the Event, the participants will be able to:

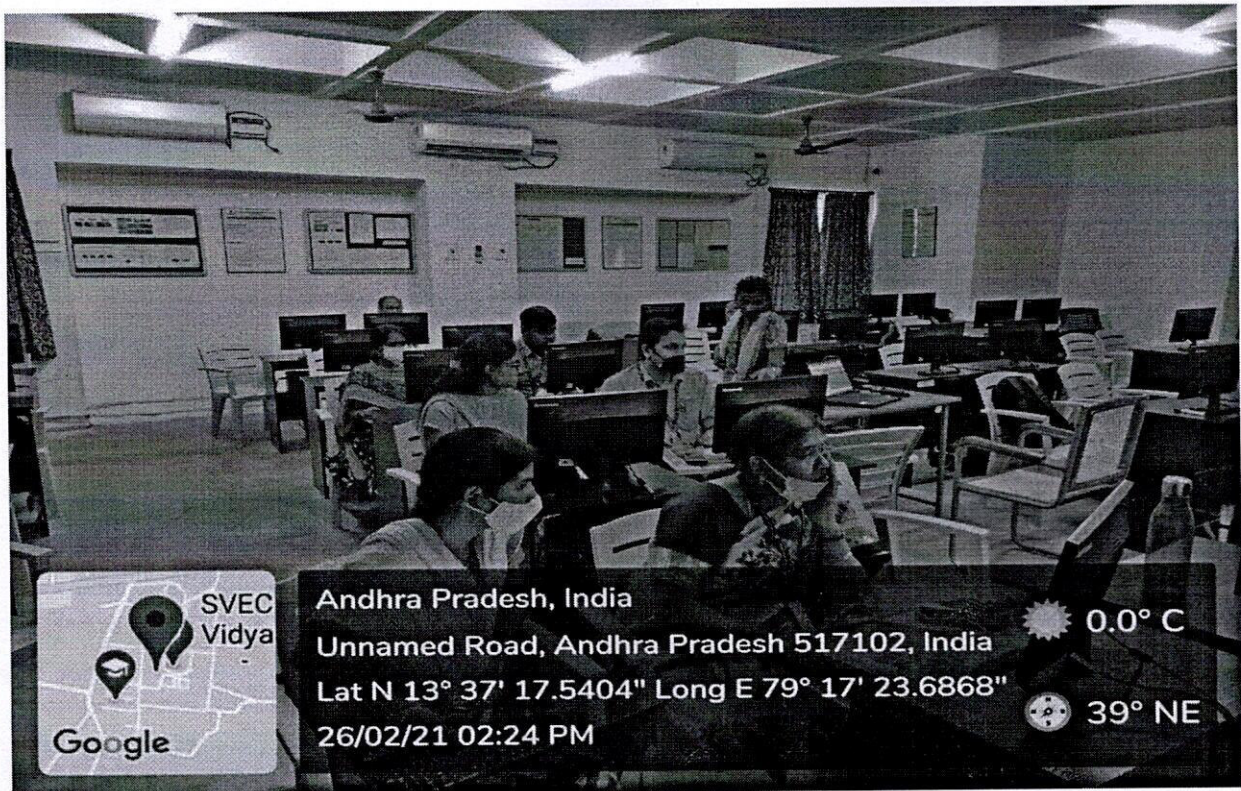
- CO1. Demonstrate knowledge in creating PCB project sourcing schematic design and targeting a specific PCB layout. (PO1)
- CO2. Analyze Placing the Components. (PO2)
- CO3. Design different electronic circuits like filter design, precision rectifier and regulator. (PO3)
- CO4. Conduct of experiments, analysis and interpretation of data, and synthesis of the information to provide valid solutions. (PO5)
- CO5. Model, Synthesize and implement the design for simulations a electronic circuits using Proteus. tools. (PO9)
- CO6. Communicate effectively on complex engineering activities with the engineering community and with society (PO10)
- CO7. Demonstrate knowledge of engineering and management principles and apply these to one's own work, as a member and leader in a team.(PO11)
- CO8. Able to engage in life-long learning in the field of Electronics and embedded system design.(PO12)


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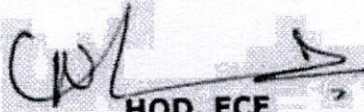
Ms M.Bharathi, Assistant Professor, ECE Department(Resource Person) addressing the participants and explaining the Proteus tool usage to faculty of ECE,EIE & EEE.


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Participants clarifying their doubts with Resource person


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HOD, ECE



One Week Refresher Course on
Digital Design Workshop

Certificate Of Appreciation

This is to certify that **Ms. M. Bharathi**, Assistant Professor, Department of ECE, has Delivered a One Week Refresher Course on "**Digital Design Workshop**" During a Webinar Organized by the Department of ECE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar, Tirupati held on 22-02-2021 to 27-02-2021.

HOD, ECE, SVEC

Principal, SVEC

A handwritten signature in green ink, appearing to be 'S. Srinivas', is written over the printed name of the Principal.

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**70th IIRS outreach Program
on, Remote sensing and Land
Degradation**

IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 2500+ network institutes. The beneficiaries of the programme may include:

- Central/ State/ Private Universities & Academic Institutions
- Central & State Government Departments
- ICAR Universities/ Institutes Professionals
- Agriculturists
- 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 User Interaction Meet (IUIIM)-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 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 Geo-information Science (<http://elearning.iirs.gov.in>).

Contact Details

Dr. Suresh Kumar
Course Director
Agriculture and Soils Department

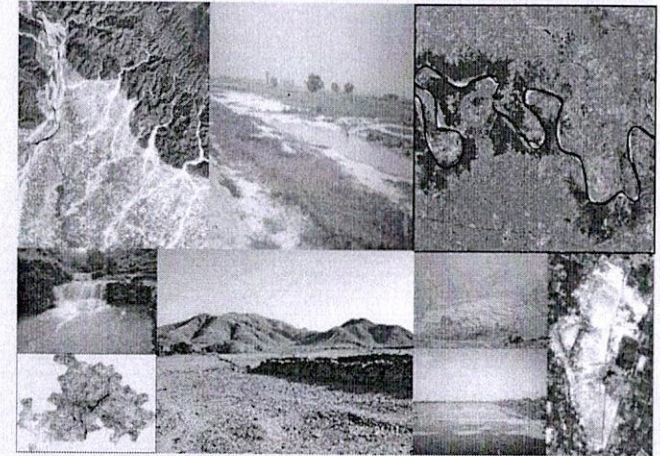
Mr. Justin George K
Course Coordinator
Agriculture and Soils Department

Dr. Poonam S Tiwari
Programme Coordinator
IIRS Outreach Programme
Tel: 0135-2524334
Email: poonam@iirs.gov.in

IIRS DLP Team
Mr. Janardan Vishwakarma
&
Mr. Ashok Ghildiyal
Tel: 0135-2524130
Email: dlp@iirs.gov.in

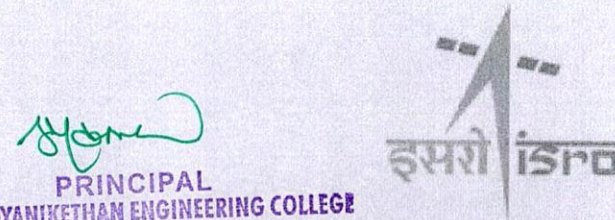
Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India,
4-Kalidas Road, Dehradun
Email: dlp@iirs.gov.in

70th IIRS Outreach Programme



Remote Sensing of Land Degradation

December 01 – December 07, 2020



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Organised by

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

www.iirs.gov.in

Course Name: **Remote Sensing of Land Degradation**

Course Coordinator: Mr Justin George K

Course Duration: **Dec 01-07, 2020**

| Date | Day | Time | Topic | Speaker |
|-------------|------------|-------------------------------|--|----------------------|
| 01/12/2020 | Tuesday | 1600-1700hrs 1700-1730 hrs | Remote Sensing of Land Degradation – An Overview Interactive Session | Dr.Suresh Kumar |
| 02/12/2020 | Wednesday | 1600-1700hrs 1700-1730 hrs | Remote Sensing of Soil Erosion Interactive Session | Mr. Justin George K, |
| 03/12/2020 | Thursdays | 1600-1700hrs 1700-1730 hrs | Remote Sensing of Salt-affected Soils : Optical & Microwave Interactive Session | Dr. Dipanwita Haldar |
| 04/12/2020 | Friday | 1600-1700hrs 1700-1730 hrs | Remote Sensing of Vegetal Degradation and Desertification Interactive Session | Dr. N R Patel, |
| 07/12/2020 | Monday | 1600-1645hrs | Mitigating Land Degradation and Land Restoration Interactive Session | Dr. Suresh Kumar, |
| 07/12/2020 | Monday | 1645-1730hrs | Panel Discussion | Course Faculty |



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Dr. V. V. Satyanarayana T

70- IIRS Outreach Programme on Remote Sensing of Land Degradation

- View Student
 Attendance
 Attendance Status
 Study Material
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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | %age of Attendance | Eligibility for Examination/Certificate |
|---------------------|------------------------------|----------------|--------------------------|--------------------|---|
| 2020700544212 | MR. GOLLA AMARESH YADAV | 5 | 4 | 80.00 | Yes |
| 2020700569925 | MR. VENKATANARESH M | 5 | 4 | 80.00 | Yes |
| 2020700569969 | MR. CHOWDAM VENKATA SUDHAKAR | 5 | 4 | 80.00 | Yes |
| 2020700573759 | MS. SUCHITRA REDDY AMBATI | 5 | 4 | 80.00 | Yes |
| 2020700574235 | MR. NADENDLA SREE HARSHA | 5 | 4 | 80.00 | Yes |

Showing 1 to 5 of 5 entries

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Previous 1 Next

USEFUL LINKS

- IRS e-Learning Brochure (https://elearning.irs.gov.in/imgs/elearning_IRS-English_Version2018.pdf)
- Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.irs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.irs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))
- IRS Application Form (https://elearning.irs.gov.in/imgs/application_form.pdf)
- ISRO (<https://www.isro.gov.in/>)
- CSSTEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

70th IIRS Outreach Programme

on

“Remote Sensing of Land Degradation”

By Dr. Suresh Kumar, Mr. Justin George K., Dr. Dipanwita Haldar, Dr. N. R. Patel, Indian Institute of Remote Sensing, Dehradun

01 – 07 December, 2020

The Department of Electronics and Communication Engineering has organized a 5-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 01 – 07 December, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

Land degradation processes are operating on the earth's surface at varying temporal as well as spatial scales. These different processes cause tremendous pressure on various natural resources including soil, water, vegetation etc causing their non-judicious use as well as unscientific management leading to adverse effects on agricultural/ecosystem productivity as well as environmental quality. The estimation as well as monitoring of diverse degradation processes and types are very vital from a resource management and sustainability point of view. Advent of earth observation satellites operating in different wavelength regions like optical, thermal as well as microwave has enhanced our abilities for monitoring different degradation processes such as soil erosion, soil salinity, vegetal degradation, desertification etc. The remote sensing data also provide vital inputs for estimating as well as modelling degradation processes such soil erosion via a plethora of soil erosion models, operating in varying spatial as well as temporal domains. The increased availability of RS data enables us to periodically monitor the impact of degradation as well as desertification processes on vegetation status including crop growth and productivity. In addition the geospatial techniques helps us in devising management strategies aimed at mitigating the illeffects of land degradation as well as monitoring the progress of restoration activities. This outreach programme covered the following topics:

- An overview of Remote Sensing of Land Degradation
- Remote Sensing of Soil Erosion
- Remote Sensing of Salt-affected Soils: Optical & Microwave
- Remote Sensing of Vegetal Degradation and Desertification
- Mitigating Land Degradation and Land Restoration

Finally, on 07.12.2020, a panel discussion with all the mentors is conducted for interaction with the participants. Five participants have attended this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor has coordinated this event under the guidance of Dr. N. Gireesh, Professor and Head, Department of Electronics and Communication Engineering.



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सत्यमेव जयते

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यह प्रमाणित किया जाता है कि श्री वेंकटनरेश एम को यह प्रमाण पत्र “भूमि क्षरण की सुदूर संवेदन” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. VENKATANARESH M** has been awarded this certificate for participation in online course on “Remote Sensing of Land Degradation” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **01-12-2020 to 07-12-2020 (Total course duration = 7 hours and 30 minutes)**.

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Date: 18-12-2020
Place: Dehradun

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Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun



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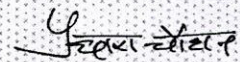
यह प्रमाणित किया जाता है कि श्री नदेंडला श्री हर्षा को यह प्रमाण पत्र “ भूमि क्षरण की सुदूर संवेदन ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

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Date: 18-12-2020
Place: Dehradun

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Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun

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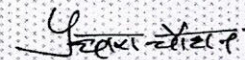
यह प्रमाणित किया जाता है कि कु० सुचित्रा रेड्डी अंबाती को यह प्रमाण पत्र “ भूमि क्षरण की सुदूर संवेदन ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया ।

This is to certify that **MS. SUCHITRA REDDY AMBATI** has been awarded this certificate for participation in online course on “**Remote Sensing of Land Degradation**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **01-12-2020 to 07-12-2020 (Total course duration = 7 hours and 30 minutes)** .

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Date: 18-12-2020
Place: Dehradun

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Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun



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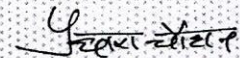
यह प्रमाणित किया जाता है कि श्री चौदम वेंकट सुधाकर को यह प्रमाण पत्र “भूमि क्षरण की सुदूर संवेदन” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. CHOWDAM VENKATA SUDHAKAR** has been awarded this certificate for participation in online course on “**Remote Sensing of Land Degradation**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **01-12-2020 to 07-12-2020 (Total course duration = 7 hours and 30 minutes)** .

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Date: 18-12-2020
Place: Dehradun

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यह प्रमाणित किया जाता है कि श्री वेंकटनरेश एम को यह प्रमाण पत्र “भूमि क्षरण की सुदूर संवेदन” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. VENKATANARESH M** has been awarded this certificate for participation in online course on “**Remote Sensing of Land Degradation**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **01-12-2020 to 07-12-2020 (Total course duration = 7 hours and 30 minutes)**.

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Chittoor (Dist.) - 517 102, A.P., INDIA.

[Signature]

[Signature]

Date: 18-12-2020
Place: Dehradun

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ONLINE DISTANCE LEARNING PROGRAMME

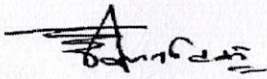
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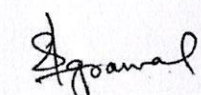
समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ. वी. वी. सत्यनारायण टी, ने “भूमि क्षरण की सुदूर संवेदन” विषय पर इस संस्थान द्वारा दिनांक 01 दिसम्बर, 2020 से 07 दिसम्बर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**Remote Sensing of Land Degradation**” conducted by this institute during December 01, 2020 to December 07, 2020.

दिनांक/ Date: 11-12-2020
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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This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**Remote Sensing of Land Degradation**”. This online programme was conducted during December 01, 2020 to December 07, 2020.

दिनांक/ Date: 11-12-2020
देहारादून/ Dehradun

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

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

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**71st IIRS outreach Program
on, Advances in SAR-
polarimetry & Interferometry**

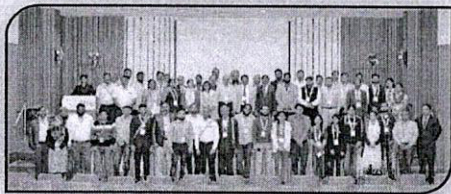
IIRS Outreach Programme

The IIRS outreach programme, which was started in 2007 with 12 universities/ institutions has now grown substantially to 2500+ network institutes. The beneficiaries of the programme may include:

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

Feedback Mechanism

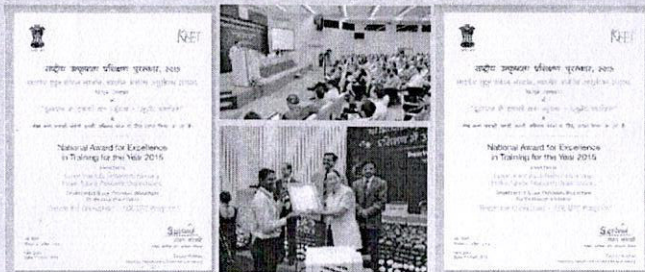
IIRS has conducted eleven workshops in 2007, 2009, 2010, 2013, 2014, 2015, 2016, 2017, 2018, 2019 and 2020 to take feedback from participating institutions to improve the quality of future courses.



Feedback session during IIRS User Interaction Meet (IUIIM)-2020

Awards

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 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 (<http://elearning.iirs.gov.in>).

Contact Details

Dr. Shashi Kumar
Course Coordinator
Tel: 0135-2524119

IIRS DLP Team

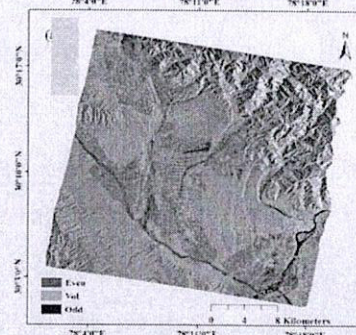
Dr. Poonam S Tiwari
Programme Coordinator
IIRS Outreach Programme
Tel: 0135-2524334

Mr. Janardan Vishwakarma
&

Mr. Ashok Ghildiyal
Tel: 0135-2524130
Email- dlp@iirs.gov.in

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

71st IIRS Outreach Programme



RADARSAT-2 Quad-Pol data based FCC for Doon Valley Forest, India



RISAT-1 FRS-2 mode Quad-Pol data over Mumbai, India

Advances in SAR-Polarimetry and Interferometry

December 14- 18, 2020

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Organised by

Indian Institute of Remote Sensing
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Department of Space, Govt. of India
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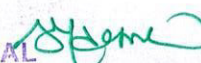
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71st IIRS Outreach Programme on
“Advances in SAR-Polarimetry and Interferometry”
December 14-18, 2020



| Date & Time (hrs) | Days | Lecture Description | Faculty |
|-------------------------|-----------|--|------------------|
| 14-12-2020 1530-1600 | Monday | Overview of the Course | |
| 14-12-2020 1600-1730 | Monday | Emerging Techniques and Applications of PolSAR and InSAR Remote Sensing | Dr. Shashi Kumar |
| 15-12-2020 1600-1730 | Tuesday | Basic Concept of Polarimetric SAR Remote Sensing | Dr. Shashi Kumar |
| 16-12-2020 1600-1730 | Wednesday | Hands-on/ practical exercise on PolSAR data Processing | Dr. Shashi Kumar |
| 17-12-2020 1600-1730 | Thursday | Basics of SAR Interferometry, Data Processing and Applications | Dr. Shashi Kumar |
| 18-12-2020 1600-1730 | Friday | Challenges in Polarimetric Decomposition Modelling based scattering retrieval of PolSAR data | Dr. Shashi Kumar |

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Dr. V. V. Satyanarayana T

71- IIRS Outreach Programme on Advances in SAR-Polarimetry & Interferometry

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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | %age of Attendance | Eligibility for Examination/Certificate |
|---------------------|---------------------------|----------------|--------------------------|--------------------|---|
| 2020710569937 | MR. VENKATANARESH M | 5 | 4 | 80.00 | Yes |
| 2020710573297 | MR. SHEIK ASIF | 5 | 5 | 100.00 | Yes |
| 2020710573769 | MS. SUCHITRA REDDY AMBATI | 5 | 4 | 80.00 | Yes |

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USEFUL LINKS

- IRS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS-English_Version2018.pdf)
- Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))
- IRS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)
- ISRO (<https://www.isro.gov.in/>)
- CSSTEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

71st IIRS Outreach Programme

on

“Advances in SAR Polarimetry and Interferometry”

By Dr. Shashi Kumar, Indian Institute of Remote Sensing, Dehradun

14 – 18 December, 2020

The Department of Electronics and Communication Engineering has organized a 5-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 14 – 18 December, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

The advancement of earth observation has opened new avenues of research in the field of earth sciences. With the technological advancements in geo-information sciences, remote sensing has become an effective method for detection and investigation of various factors. The visible and infra-red regions are known as optical regions, and the microwave region(1mm-1m) is considered as non-optical region. Systems operating in optical region are being used for several decades and therefore, are more advanced and widely employed. However, their use is limited by availability of sunlight and interference of the atmospheric conditions such as haze and cloud cover especially in the tropical regions. Therefore, the use of microwave or radar remote sensing is preferred in such areas. Radar imaging through Synthetic Aperture Radar(SAR) systems has revolutionized and expanded the technology of Microwave remote sensing especially in thematic applications using different techniques like SAR Polarimetry(PolSAR), SAR Interferometry (InSAR), Persistent Scatterer Interferometric Synthetic Aperture Radar (PSInSAR) and Polarimetric SAR Interferometry(PolInSAR). SAR systems in general helps in understanding glacier and ice movement to give better understanding on long term variation in climate, developing highly accurate and detailed elevation maps, flood and oil spill monitoring, land use and land cover change, soil moisture and forest biomass estimation, assessing the health of crops and forests and even in urban planning and development. The course structure is spread into 4 broad topics of teaching on:

- Polarimetric SAR (PolSAR) Remote Sensing
- PolSAR Data Processing
- Interferometry Synthetic Aperture Radar(InSAR)
- Advances in PolSAR and InSAR Remote Sensing



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This is to certify that **MR. SHEIK ASIF** has been awarded this certificate for participation in online course on “**Advances in SAR-Polarimetry & Interferometry**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-12-2020 to 18-12-2020 (Total course duration = 7 hours and 30 minutes)** .

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Date: 05-01-2021
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution

निदेशक/ Director
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यह प्रमाणित किया जाता है कि श्री शेख आसिफ को यह प्रमाण पत्र “ एडवांसेस इन एस.ए.आर-पोलारिमेट्री एंड इंटेर्फेरोमेट्री ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 14 दिसम्बर, 2020 से 18 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. SHEIK ASIF** has been awarded this certificate for participation in online course on “**Advances in SAR-Polarimetry & Interferometry**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-12-2020 to 18-12-2020 (Total course duration = 7 hours and 30 minutes)** .

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Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA.

Date: 05-01-2021
Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun

UID- c3642e1c64259234ce2cc250869bd5b3 .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>



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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. : 2020710569937


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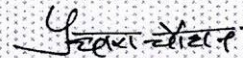
यह प्रमाणित किया जाता है कि श्री वेंकटनरेश एम को यह प्रमाण पत्र “ एडवांसेस इन एस.ए.आर-पोलारिमेट्री एंड इंटेर्फेरोमेट्री ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 14 दिसम्बर, 2020 से 18 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. VENKATANARESH M** has been awarded this certificate for participation in online course on “**Advances in SAR-Polarimetry & Interferometry**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-12-2020 to 18-12-2020 (Total course duration = 7 hours and 30 minutes)**.

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Chittoor (Dist.)- 517 102, A.P., INDIA.





Date: 05-01-2021
Place: Dehradun

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Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun



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



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INDIAN SPACE RESEARCH ORGANISATION
INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrollment No.: 2020710573769

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

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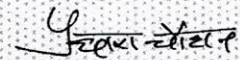
यह प्रमाणित किया जाता है कि कु० सुचित्रा रेड्डी अंबाती को यह प्रमाण पत्र “ एडवांसेस इन एस.ए.आर- पोलारिमेट्री एंड इंटेर्फेरोमेट्री ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 14 दिसम्बर, 2020 से 18 दिसम्बर, 2020 (कुल पाठ्यक्रम अवधि = 7 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MS. SUCHITRA REDDY AMBATI** has been awarded this certificate for participation in online course on “**Advances in SAR-Polarimetry & Interferometry**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-12-2020 to 18-12-2020 (Total course duration = 7 hours and 30 minutes)**.

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Chittoor (Dist.) - 517 102, A.P., INDIA.





Date: 05-01-2021
Place: Dehradun

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Coordinator, University/Institution

निदेशक/ Director
आई०आई०आर०एस, देहरादून/ IIRS, Dehradun



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भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

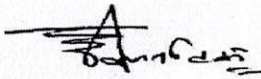
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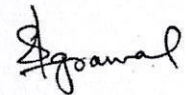
समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ. वी. वी. सत्यनारायण टी, ने “ एडवांसेस इन एस.ए.आर- पोलारिमेट्री एंड इंटेर्फेरोमेट्री ” विषय पर इस संस्थान द्वारा दिनांक 14 दिसम्बर, 2020 से 18 दिसम्बर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**Advances in SAR-Polarimetry & Interferometry**” conducted by this institute during December 14, 2020 to December 18, 2020.

दिनांक/ Date: 05-01-2021
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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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 श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम “ एडवांसेस इन एस.ए.आर- पोलारिमेट्री एंड इंटेर्फेरोमेट्री ” में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 14 दिसम्बर, 2020 से 18 दिसम्बर, 2020 तक किया गया।

This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**Advances in SAR-Polarimetry & Interferometry**”. This online programme was conducted during December 14, 2020 to December 18, 2020.

दिनांक/ Date: 05-01-2021
देहारादून/ 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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A decorative border of asterisks surrounds the text. The border consists of a top row, a bottom row, and vertical columns on the left and right sides, all made of small, black, eight-pointed asterisks.

**64th IIRS outreach Program
on, Basics of remote sensing
geographical information
system and global navigation
satellite system"**

Announcement Brochure

IIRS Outreach Programme

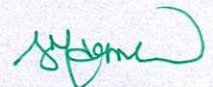
**Basics of Remote Sensing, Geographical Information System and
Global Navigation Satellite System**

*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



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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

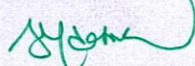
There is no course fee.

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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Govt. of India
Department Space
Indian Space Research Organization
Indian Institute of Remote Sensing

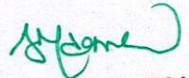


Sixty Fourth IIRS Outreach Programme
On
Basic of RS, GIS & GNSS

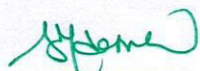
Tentative Course Schedule

| S. No. | Course Name | Module Name | From | To |
|--------|--|-----------------------|------------|------------|
| 1. | Basic of RS, GIS & GNSS | Complete Basic Course | 17-08-2020 | 20-11-2020 |
| 2. | Remote Sensing & Digital Image Analysis | Module-1 | 17-08-2020 | 11-09-2020 |
| 3. | Global Navigation Satellite System | Module-2 | 14-09-2020 | 25-09-2020 |
| 4. | Geographical Information System Module | Module-3 | 28-09-2020 | 16-10-2020 |
| 5. | Basics of Geocomputation and Geoweb Services | Module- 4 | 19-10-2020 | 29-10-2020 |
| 6. | RS & GIS Applications | Module-5 | 02-11-2020 | 20-11-2020 |

Module-1 Completed
Module-2 in progress
Module-3 in progress



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| Date | Day | Time | Topic | Speaker |
|--|--------------------------------|--------------------------------|---|--|
| 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 1700-1730 hrs | Hyperspectral Remote Sensing Interactive Session | Mr. Vinay Kumar |
| 03/09/2020 | Thursday | 1600-1700 hrs 1700-1730 hrs | Demonstration: Image Processing Software Interactive Session | Ms. Minakshi Kumar |
| 04/09/2020 | Friday | 1600-1700 hrs 1700-1730 hrs | Basics of SAR Remote Sensing Interactive Session | Mr. Shashi Kumar |
| 07/09/2020 | Monday | 1600-1700 hrs 1700-1730 hrs | Basics of SAR Data Processing Interactive Session | Ashish Joshi |
| 08/09/2020 | Tuesday | 1600-1700 hrs 1700-1730 hrs | Basics of LIDAR Remote Sensing Interactive Session | Dr. Hina Pande |
| 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 1700-1730 hrs | Basics of UAV Remote Sensing Interactive Session | Mrs. Shefali Agrawal |
| 11/09/2020 | Friday | 1600-1730 hrs | Panel Discussion/Query Session | All the faculty |


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

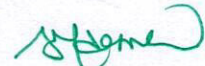
| Date | Day | Time | Topic | Speaker |
|------------|-----------|---|--|--|
| 28/09/2020 | Monday | 1600-1705 hrs 1705-1730 hrs | Introduction to GIS Interactive Session | Dr. Sameer Saran |
| 29/09/2020 | Tuesday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Geographic Phenomena, Concepts and examples Practical/Image/Video based Demonstrations Interactive Session | Shri Prasun Kumar Gupta |
| 30/09/2020 | Wednesday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Data Inputting and Editing in GIS Practical/Image/Video based Demonstrations Interactive Session | Shri K. Shiva Reddy |
| 01/10/2020 | Thursday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | GIS Data Models (Spatial and Non spatial) Practical/Image/Video based Demonstrations Interactive Session | Shri Ashutosh Kumar Jha |
| 05/10/2020 | Monday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Map Projection Concepts & Use in RS & GIS Practical/Image/Video based Demonstrations Interactive Session | Dr. Ashutosh Srivastav |
| 06/10/2020 | Tuesday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Spatial Analysis - Introductory Concepts and Overview Practical/Image/Video based Demonstrations Interactive Session | Shri Prabhakar Alok Verma |
| 07/10/2020 | Wednesday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Spatial Analysis - Functionality and Tools Practical/Image/Video based Demonstrations Interactive Session | Shri Kapil Oberai |
| 08/10/2020 | Thursday | 1600-1730 hrs | Open Source Software Technology & Tools | Shri Prasun Kumar Gupta |
| 09/10/2020 | Friday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Uncertainty in GIS and Error Propagation Practical/Image/Video based Demonstrations Interactive Session | Shri Prabhakar Alok Verma |
| 12/10/2020 | Monday | 1600-1640 hrs 1645-1705 hrs 1705-1730 hrs | Advanced Geospatial Modeling Practical/Image/Video based Demonstrations Interactive Session | Shri Ashutosh Kumar Jha |
| 13/10/2020 | Tuesday | 1600-1640 hrs 1645-1730 hrs | Overview of Big Data Analytics Overview of Machine Learning for GIS | Shri Kapil Oberai 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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Module/Course Name- RS & GIS Applications
Module/ Course Coordinator: Shri C.M. Bhatt

| Date | Day | Time | Topic | Speaker |
|------------|-----------|-----------------|--|----------------------|
| 02/11/2020 | Monday | 1600-1730 hrs | Applications of Remote Sensing & other Geospatial Technologies in Natural Resources Management, Development & Governance | Dr. S. K Srivastav |
| 03/11/2020 | Tuesday | 1600-1730 hrs | Remote Sensing and GIS applications for Crop Resource Assessment and Monitoring | Dr. N.R. Patel |
| 05/11/2020 | Wednesday | 1600-1730 hrs | RS & GIS for Coastal Zone Management | Dr. D. Mitra |
| 06/11/2020 | Thursdays | 1600-1730 hrs | Remote Sensing Applications for Geological studies | Dr. R.S. Chatterjee |
| 09/11/2020 | Monday | 1600-1730 hrs | Space-enabled Products & Services for Disaster Management :Indian Initiatives | Dr. P.K.C.Ray |
| 10/11/2020 | Tuesday | 1600-1730 hrs | RS & GIS Application in Urban & Regional Planning | Shri. Pramod Kumar |
| 11/11/2020 | Wednesday | 1600-1730 hrs | Remote Sensing Application to Atmospheric & Marine Environment | Dr. A.K Mishra |
| 12/11/2020 | Thursdays | 1600-1730 hrs | RS & GIS Applications in Forestry and Ecology | Dr. Hitendra Padalia |
| 16/11/2020 | Monday | 1600 – 1730 hrs | RS applications for Planetary Studies | Dr. Prakash Chauhan |
| 17/11/2020 | Tuesday | 1600-1730 hrs | RS & GIS Applications to Water Resources Management | Dr. S.P Aggarwal |
| 18/11/2020 | Wednesday | 1600-1730 hrs | Geospatial Technology for climate change studies | Dr. Arijit Roy |
| 19/11/2020 | Thursdays | 1600-1730 hrs | RS and GIS Applications in Soil Resource Management | Dr. Suresh Kumar |
| 20/11/2020 | Friday | 1600-1730 hrs | Panel Discussion Module-3 | All speakers |

Note: Details about the course, examination and latest schedule will be updated on below link;


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 Sree Sainath Nagar, A. RANGAMPET
 Chittoor (Dist.) - 517 102, A.P., INDIA.



Dr. V. V. Satyanarayana T

64- IIRS Outreach Programme on Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System

[View Student](#) [Attendance](#) [Attendance Status](#) [Study Material](#) [Download Certificates](#)

Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | % of Attendance | Eligibility for Examination/Certificate |
|---------------------|--|----------------|--------------------------|-----------------|---|
| 2020640201421 | MR. N LOKESH | 60 | 45 | 75.00 | Yes |
| 2020640201829 | MS. GUTLAPALLI SWAROOPA | 60 | 45 | 75.00 | Yes |
| 2020640202567 | MS. TALUPURI NEELIMA | 60 | 44 | 73.33 | Yes |
| 2020640209319 | MR. YESHWANTH KUMAR REDDY | 60 | 44 | 73.33 | Yes |
| 2020640224923 | MS. DIVYASREE NELABHOTLA | 60 | 44 | 73.33 | Yes |
| 2020640234235 | MR. GUNTURU KALYAN KUMAR | 60 | 43 | 71.67 | Yes |
| 2020640277367 | DR. SASIKUMAR GURUMOORTHY GURUMOORTHY | 60 | 43 | 71.67 | Yes |
| 2020640304855 | VENNAPUSA SAI CHARAN REDDY | 60 | 44 | 73.33 | Yes |
| 2020640336915 | MR. HITESH SAKAMURI | 60 | 44 | 73.33 | Yes |
| 2020640337399 | MR. SREE KANTH MADISETTY | 60 | 44 | 73.33 | Yes |

Showing 1 to 10 of 12 entries

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Previous 1 2 Next

USEFUL LINKS

- RS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS-English_Version2018.pdf).
- Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))
- RS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf).
- ISRO (<https://www.isro.gov.in/>)
- CSSTEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

64th IIRS Outreach Programme

on

“Basic of RS, GIS & GNSS”

By Dr. Prakash Chauhan, Ms. Manu Mehta, Mr. Vinay Kumar, Dr. Hina Pande, Ms. Minakshi Kumar, Dr. Poonam S. Tiwari,, Dr. Yogesh Kant, Ms. Supriya sharma, Mr. Vinay Kumar, Mr. Shashi Kumar, Ashish Joshi, Mrs. Shefali Agrawal, Dr. Ashutosh Bhardwaj, Shri Kamal Pandey, Shri Suresh Kannaujiya, Dr. Sameer Saran, Shri Prasun Kumar Gupta, Shri K. Shiva Reddy, Shri Ashutosh Kumar Jha, Shri Prabhakar Alok Verma, Shri Kapil Oberai, Dr. Harish C. Karnatak, Shri Ravi Bhandari, Shri Dharmendra Kumar, Dr. S. K Srivastav, Dr. N.R. Patel, Dr. D. Mitra, Dr. R.S. Chatterjee, Dr. P.K.C.Ray, Shri. Pramod Kumar, Dr. A.K Mishra, Dr. Hitendra Padalia, Dr. Prakash Chauhan, Dr. S.P Aggarwal, Dr. Arijit Roy, Dr. Suresh Kumar, Indian Institute of Remote Sensing, Dehradun

17 August – 20 November, 2020

The Department of Electronics and Communication Engineering has organized a 61-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 17 August – 20 November, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

Planetary exploration has revealed several interesting facts related to the surface features on the planets and their satellites. The workshop on basics of RS, GIS & GNSS is planned to provide an overview of planetary science, introduce students to the Remote Sensing, Geography Information System (GIS) and Global Navigation Satellite System. This outreach programme is conducted as five modules. Module 1 deals with Basics of RS, GIS and GNSS. Module 2 deals with Global Navigation Satellite Systems. Module 3 deals with Geographical Information System. Module 4 is on Basics of Geocomputation and Geoweb Services. Module 5 is on RS & GIS applications.

This outreach programme covered the following topics:

Basic Principles of Remote Sensing, Earth Observation Sensors and Platforms, Spectral Signatures of Different Land cover Features and Visual Image, Digital Image Processing: Basic Concepts Rectification and Registration, Enhancement techniques Image, RS and Image Interpretation Practical, Image Classification Techniques and Accuracy Assessment, Thermal Remote Sensing, Digital Change Detection, GEE Application Programming Interface: Introduction and Case Studies Demo, Hyperspectral Remote Sensing, Basics of SAR Remote Sensing, Basics of LIDAR Remote Sensing, Basics of UAV Remote Sensing, GPS receivers, processing methods, errors and accuracy, Satellites based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN), GPS signal characteristics, Data formats (broadcast, precise ephemeris), Indian Regional

नामांकन सं. / Enrolment No.: 2020640209319

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

यह प्रमाणपत्र

श्री येशवंत कुमार रेड्डी

को " रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत "

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

इस ऑनलाइन पाठ्यक्रम का आयोजन 17 अगस्त, 2020 से 20 नवंबर, 2020 (कुल पाठ्यक्रम की अवधि = 84 घंटे) के दौरान किया गया।

THIS CERTIFICATE IS

AWARDED TO

MR. YESHWANTH KUMAR REDDY

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"

THIS ONLINE COURSE WAS CONDUCTED DURING **17-08-2020 to 20-11-2020** (TOTAL COURSE DURATION WAS = 84 HOURS).

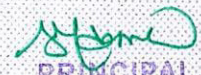
इस पाठ्यक्रम में 5 मॉड्यूल शामिल हैं - 1) रिमोट सेंसिंग और डिजिटल छवि विश्लेषण ; 2) ग्लोबल नेविगेशन सैटेलाइट सिस्टम ; 3) भौगोलिक सूचना प्रणाली ; 4) जियोकंप्यूटेशन और जियोवेब सर्विसेज के मूलभूत सिद्धांत ; और 5) सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के अनुप्रयोग। This course consists of 5 modules- 1) Remote Sensing and Digital Image analysis; 2) Global Navigation Satellite System; 3) Geographical Information System ; 4) Basics of Geocomputation and Geoweb services; and 5) RS & GIS Applications.

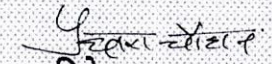
Date: 04-01-2021

Place: Dehradun

समन्वयक/ Coordinator

आईआईआरएस नोडल केंद्र/ IIRS Nodal Centre


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निदेशक/ Director

आईआईआरएस, देहरादून/ IIRS, Dehradun



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भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrolment No. : 2020640337763

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE



यह प्रमाणपत्र

श्री मिटा भुवनेश्वर

को "रिमोट सेंसिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत"
में ऑनलाइन पाठ्यक्रम में भाग लेने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 17 अगस्त, 2020 से 20 नवंबर, 2020 (कुल पाठ्यक्रम की अवधि = 84 घंटे) के दौरान किया गया।

THIS CERTIFICATE IS

AWARDED TO

MR. MITTA BHUVANESWAR

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"

THIS ONLINE COURSE WAS CONDUCTED DURING **17-08-2020 to 20-11-2020** (TOTAL COURSE DURATION WAS = 84 HOURS).

इस पाठ्यक्रम में 5 मॉड्यूल शामिल हैं - 1) रिमोट सेंसिंग और डिजिटल छवि विश्लेषण; 2) ग्लोबल नवигेशन सैटेलाइट सिस्टम; 3) भौगोलिक सूचना प्रणाली; 4) जियोकंप्यूटेशन और जियोवेब सर्विसेज के मूलभूत सिद्धांत; और 5) सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के अनुप्रयोग। This course consists of 5 modules- 1) Remote Sensing and Digital Image analysis; 2) Global Navigation Satellite System; 3) Geographical Information System; 4) Basics of Geocomputation and Geoweb services; and 5) RS & GIS Applications.

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समन्वयक/Coordinator

3-5 आईआरएस नोडल केंद्र / IIRS Nodal Centre

निदेशक / Director

आईआरएस, देहरादून / IIRS Dehradun

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नामांकन सं. / Enrolment No. : 2020640336915

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यह प्रमाणपत्र

श्री हितेश सकामुरी

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

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THIS CERTIFICATE IS

AWARDED TO

MR. HITESH SAKAMURI

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"

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(Signature)

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 (AUTONOMOUS)

समन्वयक/Coordinator
 आईआईआरएस नोडल केंद्र / IIRS Nodal Centre

(Signature)
 निदेशक / Director

आईआईआरएस, देहरादून / IIRS, Dehradun

Date: 04-01-2021

Dehradun

For more information, please visit the website: www.iirs.gov.in



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नामांकन सं. / Enrolment No. : 2020640304855

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

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THIS CERTIFICATE IS

AWARDED TO

VENNAPUSA SAI CHARAN REDDY

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"

THIS ONLINE COURSE WAS CONDUCTED DURING **17-08-2020 to 20-11-2020** (TOTAL COURSE DURATION WAS = 84 HOURS).

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Date: 04-01-2021

Place: Dehradun

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समन्वयक/ Coordinator

आई. आई. आर. एस. नोडल केंद्र / IIRS Nodal Center

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(AUTONOMOUS)

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Changanassery (Dist.) - 587 102, A.P.

निदेशक/ Director

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



अंतरिक्ष विभाग / DEPARTMENT OF SPACE
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भारतीय सुदूर संवेदन संस्थान, देहरादून / INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN



नामांकन सं. / Enrolment No. : 2020640277367

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE



यह प्रमाणपत्र

डॉ॰ शशिकुमार गुरुमूर्ति

को "रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत"

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

इस ऑनलाइन पाठ्यक्रम का आयोजन 17 अगस्त, 2020 से 20 नवंबर, 2020 (कुल पाठ्यक्रम की अवधि = 84 घंटे) के दौरान किया गया।

THIS CERTIFICATE IS

AWARDED TO

DR. SASIKUMAR GURUMOORTHY

ON HAVING PARTICIPATED IN THE ONLINE COURSE ON

"Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System"

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Date: 04-01-2021

Place: Dehradun

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समन्वयक/ Coordinator

आईआईआरएस नोडल केंद्र/ IIRS Nodal Centre

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Kottayam (Dist.) - 587 102

निदेशक/ Director

आईआईआरएस, देहरादून/ IIRS, Dehradun



सत्यमेव जयते

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



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

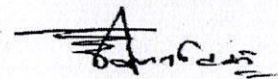
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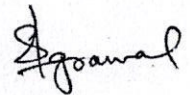
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CERTIFICATE OF COORDINATION

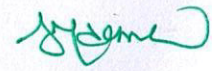
यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ वी. वी सत्यनारायण टी, ने “ रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत ” विषय पर इस संस्थान द्वारा दिनांक 17 अगस्त, 2020 से 20 नवंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System**” conducted by this institute during August 17, 2020 to November 20, 2020.

दिनांक/ Date: 29-12-2020
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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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 संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
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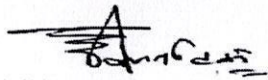
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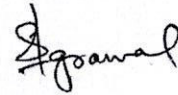
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यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम “रिमोट सेन्सिंग, जीआईएस और जीएनएसएस के मूलभूत सिद्धांत” में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 17 अगस्त, 2020 से 20 नवंबर, 2020 तक किया गया।

This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System**”. This online programme was conducted during August 17, 2020 to November 20, 2020.

दिनांक/ Date: 29-12-2020
देहारादून/ Dehradun


प्रमुख,
जियोवेन 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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A decorative border of asterisks surrounds the text. The border is composed of a top row, a bottom row, and two vertical columns on the left and right sides, all made of small, black, eight-pointed asterisks.

**69th IIRS outreach Program
on, “Rs & GIS Applications”**

Module/Course Name- RS & GIS Applications
Module/ Course Coordinator: Shri C.M. Bhatt

| Date | Day | Time | Topic | Speaker |
|------------|-----------|-----------------|--|----------------------|
| 02/11/2020 | Monday | 1600-1730 hrs | Applications of Remote Sensing & other Geospatial Technologies in Natural Resources Management, Development & Governance | Dr. S. K Srivastav |
| 03/11/2020 | Tuesday | 1600-1730 hrs | Remote Sensing and GIS applications for Crop Resource Assessment and Monitoring | Dr. N.R. Patel |
| 05/11/2020 | Wednesday | 1600-1730 hrs | RS & GIS for Coastal Zone Management | Dr. D. Mitra |
| 06/11/2020 | Thursdays | 1600-1730 hrs | Remote Sensing Applications for Geological studies | Dr. R.S. Chatterjee |
| 09/11/2020 | Monday | 1600-1730 hrs | Space-enabled Products & Services for Disaster Management :Indian Initiatives | Dr. P.K.C.Ray |
| 10/11/2020 | Tuesday | 1600-1730 hrs | RS & GIS Application in Urban & Regional Planning | Shri. Pramod Kumar |
| 11/11/2020 | Wednesday | 1600-1730 hrs | Remote Sensing Application to Atmospheric & Marine Environment | Dr. A.K Mishra |
| 12/11/2020 | Thursdays | 1600-1730 hrs | RS & GIS Applications in Forestry and Ecology | Dr. Hitendra Padalia |
| 16/11/2020 | Monday | 1600 – 1730 hrs | RS applications for Planetary Studies | Dr. Prakash Chauhan |
| 17/11/2020 | Tuesday | 1600-1730 hrs | RS & GIS Applications to Water Resources Management | Dr. S.P Aggarwal |
| 18/11/2020 | Wednesday | 1600-1730 hrs | Geospatial Technology for climate change studies | Dr. Arijit Roy |
| 19/11/2020 | Thursdays | 1600-1730 hrs | RS and GIS Applications in Soil Resource Management | Dr. Suresh Kumar |
| 20/11/2020 | Friday | 1600-1730 hrs | Panel Discussion Module-3 | All speakers |


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Dr. V. V. Satyanarayana T

69- IIRS Outreach Programme on RS & GIS Applications

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 Attendance
 Attendance Status
 Study Material
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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | %ge of Attendance | Eligibility for Examination/Certificate |
|---------------------|-------------------------------|----------------|--------------------------|-------------------|---|
| 2020690465852 | MR. HARIKISHORE BANDHAM | 12 | 11 | 91.67 | Yes |
| 2020690481424 | DR. DEVARAJU SREEKANTH | 12 | 11 | 91.67 | Yes |
| 2020690487976 | MR. KRISHNA SAANDEEP KANASANI | 12 | 11 | 91.67 | Yes |
| 2020690503020 | MS. SUCHITRA REDDY AMBATI | 12 | 11 | 91.67 | Yes |
| 2020690513428 | MR. DADU KIRAN KUMAR REDDY | 12 | 11 | 91.67 | Yes |

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Showing 1 to 5 of 5 entries

Previous 1 Next

USEFUL LINKS

- RS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS-English_Version2018.pdf)
- Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20revised%20(4).pdf))
- RS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)
- ISRO (<https://www.isro.gov.in/>)
- CSSTEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

69th IIRS Outreach Programme

on

“RS & GIS Applications”

By Dr. S. K Srivastav, Dr. N.R. Patel, Dr. D. Mitra, Dr. R.S. Chatterjee, Dr. P.K.C.Ray, Shri. Pramod Kumar, Dr. A.K Mishra, Dr. Hitendra Padalia, Dr. Prakash Chauhan, Dr. S.P Aggarwal, Dr. Arijit Roy, Dr. Suresh Kumar, Indian Institute of Remote Sensing, Dehradun

02 – 20 November, 2020

The Department of Electronics and Communication Engineering has organized a 13-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 02 – 20 November, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

Hundreds of thousands of organizations in virtually every field are using GIS to make maps that communicate, perform analysis, share information, and solve complex problems around the world. GIS technology applies geographic science with tools for understanding and collaboration. It helps people reach a common goal: to gain actionable intelligence from all types of data. This is changing the way the world works. Maps are the geographic container for the data layers and analytics you want to work with. GIS maps are easily shared and embedded in apps, and accessible by virtually everyone, everywhere. GIS integrates many different kinds of data layers using spatial location. Most data has a geographic component. GIS data includes imagery, features, and basemaps linked to spreadsheets and tables. Spatial analysis lets you evaluate suitability and capability, estimate and predict, interpret and understand, and much more, lending new perspectives to your insight and decision-making. This outreach programme covered the following topics:

- Applications of Remote Sensing & other Geospatial Technologies in Natural Resources Management Development & Governance
- Remote Sensing and GIS applications for Crop Resource Assessment and Monitoring
- RS & GIS for Coastal Zone Management
- Remote Sensing Applications for Geological studies
- Space-enabled Products & Services for Disaster Management :Indian Initiatives
- RS & GIS Application in Urban & Regional Planning
- Remote Sensing Application to Atmospheric & Marine Environment
- RS & GIS Applications in Forestry and Ecology
- RS applications for Planetary Studies
- RS & GIS Applications to Water Resources Management
- Geospatial Technology for climate change studies
- RS and GIS Applications in Soil Resource Management

Finally, on 20.11.2020, a panel discussion with all the mentors is conducted for interaction with the participants. Only one participant have participated in this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor coordinated this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.





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भारतीय सुदूर संवेदन संस्थान, देहरादून



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



नामांकन सं. / Enrollment No. : 2020690513428

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

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यह प्रमाणित किया जाता है कि श्री दादू किरण कुमार रेड्डी को यह प्रमाण पत्र “ सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के अनुप्रयोग ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 02 नवंबर, 2020 से 20 नवंबर, 2020 (कुल पाठ्यक्रम अवधि = 16 घंटे 30 मिनट) के दौरान किया गया ।

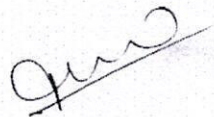
This is to certify that **MR. DADU KIRAN KUMAR REDDY** has been awarded this certificate for participation in online course on “**RS & GIS Applications**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **02-11-2020 to 20-11-2020 (Total course duration = 16 hours and 30 minutes)** .


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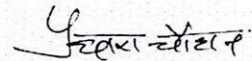
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Coordinator, University/Institution



निदेशक/ Director
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Date: 04-12-2020
Place: Dehradun



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This is to certify that **MR. DADU KIRAN KUMAR REDDY** has been awarded this certificate for participation in online course on “**RS & GIS Applications**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **02-11-2020 to 20-11-2020 (Total course duration = 16 hours and 30 minutes)**.

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[Signature]

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Place: Dehradun

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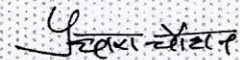
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This is to certify that **MR. KRISHNA SAANDEEP KANASANI** has been awarded this certificate for participation in online course on “**RS & GIS Applications**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **02-11-2020 to 20-11-2020** (Total course duration = 16 hours and 30 minutes) .

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Date: 04-12-2020
Place: Dehradun

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निदेशक/ Director
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CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

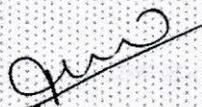
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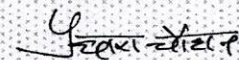
यह प्रमाणित किया जाता है कि डॉ॰ देवराजू श्रीकांत को यह प्रमाण पत्र “ सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के अनुप्रयोग ” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 02 नवंबर, 2020 से 20 नवंबर, 2020 (कुल पाठ्यक्रम अवधि = 16 घंटे 30 मिनट) के दौरान किया गया ।

This is to certify that **DR. DEVARAJU SREEKANTH** has been awarded this certificate for participation in online course on “**RS & GIS Applications**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **02-11-2020 to 20-11-2020 (Total course duration = 16 hours and 30 minutes)** .

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Date: 04-12-2020
Place: Dehradun

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अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

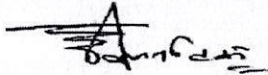
COR693592020


समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ. वी. वी. सत्यनारायण टी, ने “सुदूर संवेदन एवं भौगोलिक सूचना प्रणाली के अनुप्रयोग” विषय पर इस संस्थान द्वारा दिनांक 02 नवंबर, 2020 से 20 नवंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**RS & GIS Applications**” conducted by this institute during November 02, 2020 to November 20, 2020.

दिनांक/ Date: 04-12-2020
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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अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



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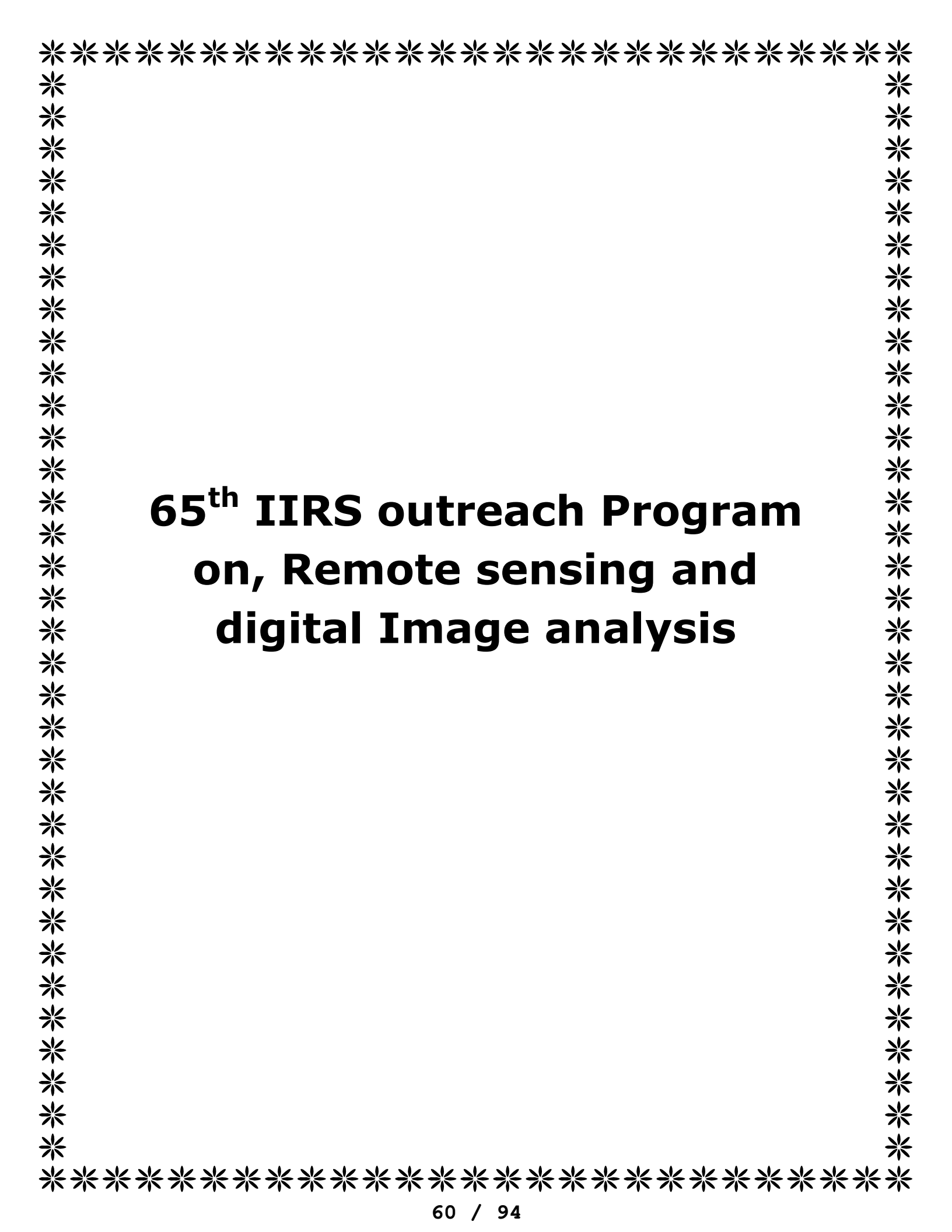
This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**RS & GIS Applications**”. This online programme was conducted during November 02, 2020 to November 20, 2020.

दिनांक/ Date: 04-12-2020
देहारादून/ 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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**65th IIRS outreach Program
on, Remote sensing and
digital Image analysis**

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 | | |



Dr. V. V. Satyanarayana T

65- IIRS Outreach Programme on Remote Sensing and Digital Image Analysis

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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | % of Attendance | Eligibility for Examination/Certificate |
|---------------------|---------------------------|----------------|--------------------------|-----------------|---|
| 2020650224095 | MR. KAKUNURI GANESH REDDY | 18 | 13 | 72.22 | Yes |
| 2020650228383 | MR. N LOKESH | 18 | 13 | 72.22 | Yes |
| 2020650259387 | MR. KARUNAKAR RAO PATIKE | 18 | 17 | 94.44 | Yes |
| 2020650266203 | MR. SHAIK SAMIULLA BHASHA | 18 | 13 | 72.22 | Yes |
| 2020650330787 | MR. KURUBA | 18 | 13 | 72.22 | Yes |
| 2020650333255 | MS. NIHITHA AKULURU | 18 | 13 | 72.22 | Yes |
| 2020650336963 | MR. HITESH SAKAMURI | 18 | 13 | 72.22 | Yes |

Showing 1 to 7 of 7 entries

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Previous 1 Next

USEFUL LINKS

- e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS-English_Version2018.pdf)
- Annual Course Calendar IIRS Distance Learning Programme - 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))
- Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)
- ISRO (<https://www.isro.gov.in/>)
- STEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

65th IIRS Outreach Programme

on

“Remote Sensing & Digital Image Analysis”

***By Dr. Prakash Chauhan, Ms. Manu Mehta, Mr. Vinay Kumar, Dr. Hina Pande,
Ms. Minakshi Kumar, Dr. Poonam S. Tiwari, Dr. Yogesh Kant, Ms. Supriya
sharma, Mr. Shashi Kumar, Ashish Joshi, Mrs. Shefali Agrawal, Scientists,
Indian Institute of Remote Sensing, Dehradun***

17 August-11 September, 2020

The Department of Electronics and Communication Engineering has organized a 17-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 17 August – 11 September, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

Remote sensing has become imperative and is the current area of research. This has made researchers to develop new techniques that exploit the problems that are being faced in image analysis to the development of new software for this particular purpose.

This outreach programme covered the following topics:

- Basic Principles of Remote Sensing, Earth Observation Sensors and Platforms
- Spectral Signatures of Different Land cover Features and Visual Image interpretation
- Digital Image Processing: Basic Concepts Rectification and Registration, Enhancement techniques
- RS and Image Interpretation Practical
- Image Classification Techniques and Accuracy Assessment
- Thermal Remote Sensing, Digital Change Detection,
- GEE Application Programming Interface: Introduction and Case Studies Demo,
- Hyperspectral Remote Sensing, Demonstration: Image Processing Software
- Basics of SAR Remote Sensing
- Basics of SAR Data Processing
- Basics of LIDAR Remote Sensing
- Basics of UAV Remote Sensing
- Image Processing Hands-on practice.

Finally, a hands-on training session was conducted on the last three days of the programme for all participants. A total of 7 members from different disciplines have participated in this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor organized this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.



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सत्यमेव जयते

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



नामांकन सं. / Enrollment No. : 2020650333255

CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

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This is to certify that **MS. NIHITHA AKULURU** 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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निदेशक/ Director
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Date: 23-11-2020
Place: Dehradun



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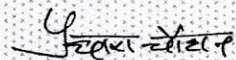
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This is to certify that **MS. NIHITHA AKULURU** has been awarded this certificate for participation in online course on “**Remote Sensing and Digital Image Analysis**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **17-08-2020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

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Date: 23-11-2020
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This is to certify that **MR. KURUBA** 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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Date: 23-11-2020

Place: Dehradun

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This is to certify that **MR. SHAIK SAMIULLA BHASHA** 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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(Signature)

(Signature)

Date: 23-11-2020
Place: Dehradun

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OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

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This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**Remote Sensing and Digital Image Analysis**”. This online programme was conducted during August 17, 2020 to September 11, 2020.

दिनांक/ Date: 23-11-2020

देहारादून/ 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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अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



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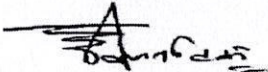
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CERTIFICATE OF COORDINATION

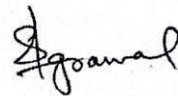
यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ. वी. वी. सत्यनारायण टी, ने “सुदूर संवेदन और डिजिटल छवि विश्लेषण” विषय पर इस संस्थान द्वारा दिनांक 17 अगस्त, 2020 से 11 सितंबर, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**Remote Sensing and Digital Image Analysis**” conducted by this institute during August 17, 2020 to September 11, 2020.

दिनांक/ Date: 23-11-2020

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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भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION
अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



नामांकन सं./ Enrollment No. : 2020610159089

ऑनलाइन दूरस्थ अधिगम प्रमाण पत्र
ONLINE DISTANCE LEARNING CERTIFICATE

सहभागिता प्रमाणपत्र/CERTIFICATE OF PARTICIPATION

यह प्रमाणित किया जाता है कि श्री मुतयाला कोटेश को यह प्रमाण पत्र “ सैटेलाइट फोटोग्राममेट्री और उसका अनुप्रयोग ” में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस) द्वारा 29 जून, 2020 से 03 जुलाई, 2020 के दौरान किया गया। प्रतिभागी ने आईआईआरएस आउटरीच नेटवर्क सेंटर, श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश से इस पाठ्यक्रम में भाग लिया है।

This is to certify that **MR. MUTHYALA KOTESH** has been awarded this certificate on having completed the online course on “**Satellite Photogrammetry and its Application**”. The course was conducted by Indian Institute of Remote Sensing (IIRS), during 29-06-2020 to 03-07-2020 . The participant has attended the course at IIRS outreach network centre, **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh.**

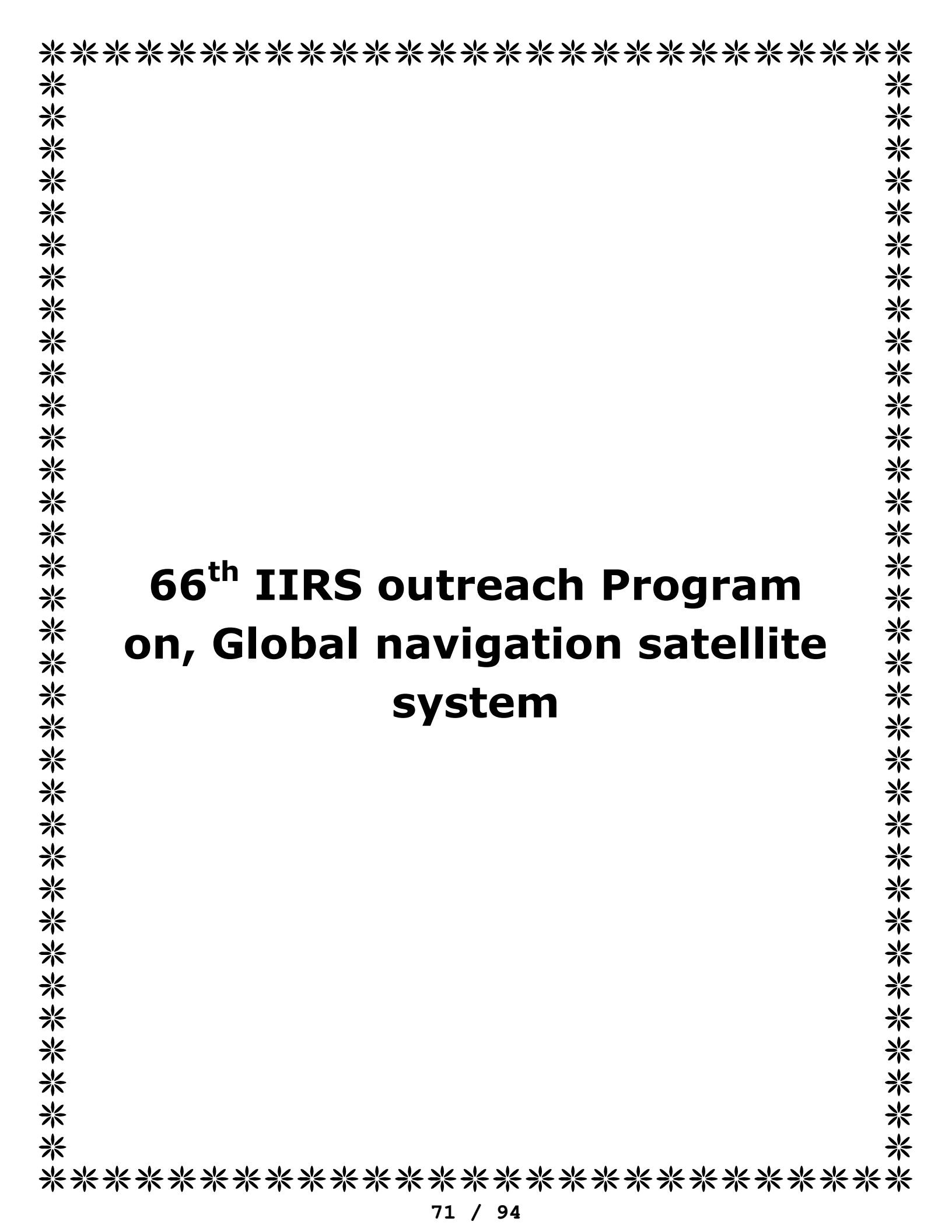
समन्वयक, विश्वविद्यालय/ संस्थान
Coordinator, University/ Institution

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निदेशक/ Director,
आई०आई०आर०एस, देहरादून/IIRS, Dehradun

Date: 11-08-2020
Dehradun

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A decorative border of asterisks surrounds the central text. The border consists of a top row, a bottom row, and vertical columns on the left and right sides, all made of small, black, eight-pointed asterisks.

**66th IIRS outreach Program
on, Global navigation satellite
system**

Last Update on 14 September 2020

Course Name: Global Navigation Satellite System
Module/ Course Coordinator: Dr. Ashutosh Bhardwaj

| Date | Day | Time | Topic | Speaker |
|------------|-----------|---------------|--|---|
| 14/09/2020 | Monday | 1600-1700 hrs | Introduction to GPS and GNSS | Dr. Ashutosh Bhardwaj |
| | | 1700-1730 hrs | Interactive Session | |
| 15/09/2020 | Tuesday | 1600-1700 hrs | GPS receivers, processing methods, errors and accuracy | Dr. Ashutosh Bhardwaj |
| | | 1700-1730 hrs | Interactive Session | |
| 17/09/2020 | Thursdays | 1600-1700 hrs | Satellites based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN) | Dr. Ashutosh Bhardwaj |
| | | 1700-1730 hrs | Interactive Session | |
| 18/09/2020 | Friday | 1600-1700 hrs | GPS signal characteristics, Data formats (broadcast, precise ephemeris) | Dr. Ashutosh Bhardwaj & Shri Ashish Joshi |
| | | 1700-1730 hrs | Interactive Session | |
| 21/09/2020 | Monday | 1600-1700 hrs | Indian Regional Navigation Satellite System (IRNSS) | Dr. Ashutosh Bhardwaj & Shri Kamal Pandey |
| | | 1700-1730 hrs | Interactive Session | |
| 22/09/2020 | Tuesday | 1600-1700 hrs | DGPS demonstration (Pre-recorded followed by live query session) | Offline |
| | | 1700-1730 hrs | Interactive Session | |
| 24/09/2020 | Thursdays | 1600-1700 hrs | Advance GNSS processing | Dr. Ashutosh Bhardwaj Shri Suresh Kannaujiya |
| | | 1700-1730 hrs | Interactive Session | |
| 25/09/2020 | Friday | | Panel Discussion | |


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Dr. V. V. Satyanarayana T

66- IIRS Outreach Programme on Global Navigation Satellite System


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Attendance Record For Course On Geospatial Technology For Disaster Risk Reduction-One Day Online Workshop

Show 10 entries Search:

| Registration Number | Name | Total Sessions | No. of sessions attended | %age of Attendance | Eligibility for Examination/Certificate |
|---------------------|------------------------------------|----------------|--------------------------|--------------------|---|
| 2020660358754 | MR. NADENDLA SREEHARSHA SREEHARSHA | 8 | 3 | 37.50 | Yes |
| 2020660359957 | MS. BOLLI PADMAPRIYA | 8 | 1 | 12.50 | No |
| 2020660363953 | MS. AMBATI SUCHITRA REDDY | 8 | 6 | 75.00 | Yes |
| 2020660387753 | MR. ANIL KUMAR AKKUPALLI | 8 | 7 | 87.50 | Yes |
| 2020660389113 | MR. NARALA TULASI REDDY | 8 | 5 | 62.50 | Yes |
| 2020660389117 | MR. NARREDDY TEJESWAR REDDY | 8 | 6 | 75.00 | Yes |
| 2020660396833 | MR. GADEKARA MADHUMOHAN | 8 | 7 | 87.50 | Yes |

Showing 1 to 7 of 7 entries


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USEFUL LINKS

- IIRS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS-English_Version2018.pdf)
- Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))
- IIRS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)
- ISRO (<https://www.isro.gov.in/>)
- CSSTEAP (<https://www.cssteap.org/>)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

66th IIRS Outreach Programme

on

“Global Navigation Satellite System”

By Dr. Ashutosh Bhardwaj, Shri Ashish Joshi, Shri Kamal Pandey, Shri Suresh Kannaujiya, Scientists, Indian Institute of Remote Sensing, Dehradun

14 – 25 September, 2020


The Department of Electronics and Communication Engineering has organized a 8-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during 14 – 25 September, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

GPS is now the most widely used GNSS in the world, and provides continuous positioning and timing information globally, under any weather conditions. GNSS is used in collaboration with GPS systems to provide precise location positioning anywhere on earth. IRNSS is an autonomous regional satellite navigation system being developed by ISRO (Indian Space Research Organization). The government of India approved the project in May 2006, with the intention of the system to be completed and implemented in the timeframe 2016. A Differential Global Positioning System (DGPS) is an enhancement to the Global Positioning System (GPS) which provides improved location accuracy, in the range of operations of each system, from the 15-meter nominal GPS accuracy to about 1–3 cm in case of the best implementations. This outreach programme covered the following topics:

- Introduction to GPS and GNSS
- GPS receivers, processing methods, errors and accuracy
- Satellites based Augmentation systems & GPS Aided and GEO Augmented Navigation (GAGAN)
- GPS signal characteristics, Data formats (broadcast, precise ephemeris)
- Indian Regional Navigation Satellite System (IRNSS)
- DGPS demonstration (Pre-recorded followed by live query session)
- Advance GNSS processing.

Finally, a panel discussion is held on 25-09-2020 with the expert members. All the participants actively participated in the panel discussion. A total of 7 members from different disciplines have participated in this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor organized this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.



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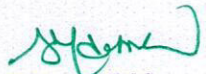
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CERTIFICATE OF PARTICIPATION IN ONLINE COURSE

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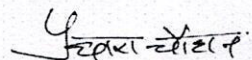
This is to certify that **MS. AMBATI SUCHITRA REDDY** has been awarded this certificate for participation in online course on “**Global Navigation Satellite System**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-09-2020 to 25-09-2020 (Total course duration = 10 hours and 30 minutes)** .


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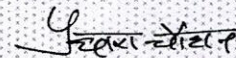
यह प्रमाणित किया जाता है कि श्री गडेकारा मधुमोहन को यह प्रमाण पत्र “ग्लोबल नेविगेशन सैटेलाइट सिस्टम” में ऑनलाइन पाठ्यक्रम में प्रतिभाग करने पर प्रदान किया जाता है। इस पाठ्यक्रम का आयोजन भारतीय सुदूर संवेदन संस्थान (आईआईआरएस), इसरो, देहरादून द्वारा 14 सितंबर, 2020 से 25 सितंबर, 2020 (कुल पाठ्यक्रम अवधि = 10 घंटे 30 मिनट) के दौरान किया गया।

This is to certify that **MR. GADEKARA MADHUMOHAN** has been awarded this certificate for participation in online course on “**Global Navigation Satellite System**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-09-2020 to 25-09-2020 (Total course duration = 10 hours and 30 minutes)** .

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This is to certify that **MR. NARREDDY TEJESWAR REDDY** has been awarded this certificate for participation in online course on “**Global Navigation Satellite System**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-09-2020 to 25-09-2020 (Total course duration = 10 hours and 30 minutes)** .

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This is to certify that **MR. ANIL KUMAR AKKUPALLI** has been awarded this certificate for participation in online course on “**Global Navigation Satellite System**” conducted by Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun during **14-09-2020 to 25-09-2020 (Total course duration = 10 hours and 30 minutes)** .

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Date: 27-11-2020
Place: Dehradun

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अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA



ऑनलाइन दूरस्थ अधिगम कार्यक्रम
ONLINE DISTANCE LEARNING PROGRAMME

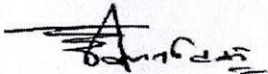
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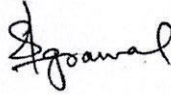
समन्वय का प्रमाणपत्र
CERTIFICATE OF COORDINATION

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This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on “**Global Navigation Satellite System**” conducted by this institute during September 14, 2020 to September 25, 2020.

दिनांक/ Date: 27-11-2020
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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This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on “**Global Navigation Satellite System**”. This online programme was conducted during September 14, 2020 to September 25, 2020.

दिनांक/ Date: 27-11-2020

देहारादून/ 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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**International webinar on
Printed and flexible
electronics**

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati- 517 102

Resource Person

NMDC Research Centre,
Department of Electronics and Communication Engineering
Organizes

*****Registration Free*****

INTERNATIONAL WEBINAR ON "Printed And Flexible Electronics"

Participants :
Faculty/Research
Scholars and Students



E-Certificate will be
provided for all
participants



Dr. M. Meyyappan,
Chief Scientist for Exploration
Technology
NASA's Ames Research Center,
California's Silicon Valley, California.

Date : 18/09/2020

Time : 09.00A.M (IST)



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Registration link: <https://forms.gle/SZM3pa6tLcveqgRJ9>

Department of Electronics and Communication Engineering

**Report on International Webinar
On
Printed and Flexible Electronics 2020**

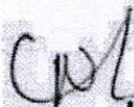
NMDC Research Centre under Department of Electronics and Communication Engineering has conducted an INTERNATIONAL webinar on “**Printed and Flexible Electronics**”. The event has been scheduled on 28/09/2020 at 06.00P.M (IST) with 283 number of registration. The participants are Faculty/Research Scholars and Students.

The program started with welcome address by Dr.P.Geetha, Associate Professor. Dr.V.R.Anitha, Professor, gave an overview of the Institution, Department and the program. It has been followed by the lecture by the Resource person **Dr. Meyya Meyyappan**, Chief Scientist for Exploration Technology, NASA’s Ames Research Center, California’s Silicon Valley, California. The program was live on youtube. The program ended with Thanks by the Co-ordinator.

The event has been conducted with No Registration Fee. E-Certificate has been provided for all the participants who attended successfully and provided the feedback. Mr. M.Madhu Kumar, Assistant Professor (SL) has hosted, Dr.V.R.Anitha, Professor, Convened and Dr.P.Geetha, Associate Professor, has Co-ordinated the program.

(link of the program: <https://www.youtube.com/watch?v=8W0LsJdUT7k>)


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**61st IIRS outreach Program
on, Satellite photogrammetry
and its applications**

IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially to 1100. The beneficiaries of the programme may include:

- Central/State/Private Universities & Academic Institutions
- Central & State Government Organisations / 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.



IIRS Outreach programme feedback session during IIRS Academia Meet (IAM)-2020

Awards

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 and its applications in natural resources monitoring, 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 (<http://elearning.iirs.gov.in>).

Contact Details

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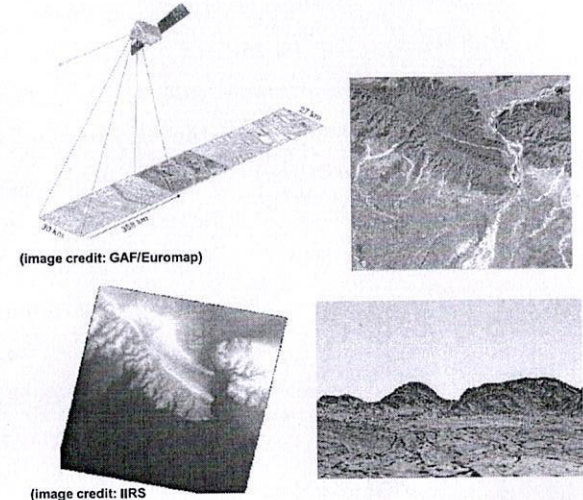
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Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India,
4-Kalidas Road, Dehradun
Email: dlp@iirs.gov.in

61st IIRS Outreach Programme



(image credit: GAF/Euromap)

(image credit: IIRS)

Satellite Photogrammetry and its Applications

June 29- July 3, 2020

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61st IIRS Outreach Programme
on
"Satellite Photogrammetry and its Applications"
June 29- July 3, 2020

Lecture Schedule

| Date | Time | Topic | Faculty |
|------------|------------------|--|--------------------------|
| 29/06/2020 | 1600 to 1730 Hrs | Introducing Photogrammetric Concepts | Dr. Poonam S. Tiwari |
| 30/06/2020 | 1600 to 1730 Hrs | Concepts of Stereophotogrammetry | Dr. Poonam S. Tiwari |
| 01/07/2020 | 1600 to 1730 Hrs | Concepts of Satellite Photogrammetry | Dr. Hina Pande |
| 02/07/2020 | 1600 to 1730 Hrs | Introduction to Global Positioning System | Dr. Ashutosh Bhardwaj |
| 03/07/2020 | 1600 to 1730 Hrs | Photogrammetric products from satellite stereo images (DEM and derivatives & Orthoimage) | Dr. Anil Kumar |

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Dr. V. V. Satyanarayana T

61- IIRS Outreach Programme on Satellite Photogrammetry and its Application

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| 2 | 2020610152579 | V RUPESH | makarandrupesh@gmail.com | SSC | EEE | 2020 | (f) |
| 3 | 2020610142858 | Ramaprasad | vvramaprasad@gmail.com | SSC | Bsc | 1982 | (h) |
| 4 | 2020610141073 | Ambati | suchitrareddy98@gmail.com | SSC | 62 | 2019 | (f) |
| 5 | 2020610163865 | geeno | pgeeno2001@gmail.com | SSC | Electronics Communication Engineer | 2022 | (h) |
| 6 | 2020610141083 | Sana | sanagowtham2@gmail.com | SSC | Diploma in ECE | 2014 | (f) |

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USEFUL LINKS

IIRS e-Learning Brochure (https://elearning.iirs.gov.in/imgs/elearning_IRS--English_Version2018.pdf)

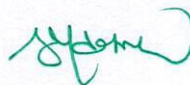
Annual Course Calendar IIRS Distance Learning Programme – 2020 ([https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20\(4\).pdf](https://elearning.iirs.gov.in/imgs/Annual%20Course%20Calendar%202020%20-revised%20(4).pdf))

IIRS Application Form (https://elearning.iirs.gov.in/imgs/application_form.pdf)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

61st IIRS Outreach Programme

on

“Satellite Photogrammetry and its Applications”

By Dr. Poonam S. Tiwari, Dr. Hina Pande, Dr. Ashutosh Bhardwaj, Dr. Anil Kumar, Scientists, Indian Institute of Remote Sensing, Dehradun

June 29- July 3, 2020

The Department of Electronics and Communication Engineering has organized a 5-Day Outreach Programme conducted by Indian Institute of Remote Sensing, Dehradun during June 29 – July 3, 2020. The target audience are the faculty and students of various disciplines of Sree Vidyanikethan Educational Trust, Tirupati.

In recent years it has been possible to collect vast quantities of 3 D data using new technology, and to interpret and visualize the data in new ways The third dimension has become an integral part of geospatial information 3 D technology is finding huge utility in resource monitoring, facilities management, urban planning defense and internal security It has not only revolutionized the surveying and mapping applications but it has emerged as a powerful tool for planning, monitoring and evaluation of developmental activities, informed decision making in governance A few potential users of the technique are administrators, decision makers, engineers, city planners, natural resource scientists. This outreach programme covered the following topics:

- Photogrammetric Concepts
- Satellite Photogrammetry
- Basics of GPS
- DEM and its derivatives
- Orthoimage generation

Finally, a group panel discussion was conducted on 03-07-2020 with all online users and expert panel who are experienced Scientists from Indian Institute of Remote Sensing, Dehradun. A total of 82 members from different disciplines have participated in this programme.

Dr. V. V. Satyanarayana Tallapragada, Associate Professor organized this event under the guidance of Dr. P. V. Ramana, Professor and Head, Department of Electronics and Communication Engineering.



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This is to certify that **DR. RAMAPRASAD V VADELLEA** has been awarded this certificate on having completed the online course on “**Satellite Photogrammetry and its Application**”. The course was conducted by Indian Institute of Remote Sensing (IIRS), during 29-06-2020 to 03-07-2020. The participant has attended the course at IIRS outreach network centre, **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**.

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Date: 11-08-2020
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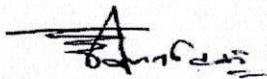
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CERTIFICATE OF COORDINATION

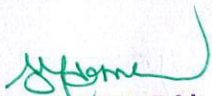
यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश कार्यरत डॉ वी. वी सत्यनारायण टी, ने "सैटेलाइट फोटोग्राममेट्री और उसका अनुप्रयोग" विषय पर इस संस्थान द्वारा दिनांक 29 जून, 2020 से 03 जुलाई, 2020 तक संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम को समन्वित किया।

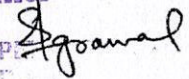
This is to certify that **DR. V. V. SATYANARAYANA T**, working with **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has coordinated the online training course on "**Satellite Photogrammetry and its Application**" conducted by this institute during June 29, 2020 to July 03, 2020.

दिनांक/ Date: 11-08-2020

देहरादून/ Dehradun


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


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



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

COR613592020

संस्थान की सहभागिता का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम "सैटेलाइट फोटोग्राममेट्री और उसका अनुप्रयोग" में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 29 जून, 2020 से 03 जुलाई, 2020 तक किया गया।

This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on "**Satellite Photogrammetry and its Application**". This online programme was conducted during June 29, 2020 to July 03, 2020.

दिनांक/ Date: 11-08-2020
देहरादून/ Dehradun

प्रमुख,
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