



RADHANATH SIKDAR INSTITUTE OF GEOSPATIAL SCIENCE & TECHNOLOGY

A Geospatial Centre of Excellence

presents

SCHOOL GIS

LET'S BE A PART OF THE SKILL INDIA MOVEMENT

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NEW DELHI
Reg. No. L 182442/2024
Date 23/12/2024

*Unlocking the Power of Geospatial Technology
in School Education System*

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Radhanath SIKDAR
Institute of Geospatial Science & Technology

For more information

www.rsigst.in





Welcome to the World of Geospatial

GIS, or Geographic Information Systems, is a powerful technology that allows us to capture, store, analyze, and visualize spatial and geographic data. It enables us to understand patterns, relationships, and trends in data that are related to a specific location on Earth. GIS is used in a wide range of applications, including urban planning, environmental management, natural resource management, disaster management, public health, transportation, and more.

KEY ASPECTS



Data Analysis



Data Mapping



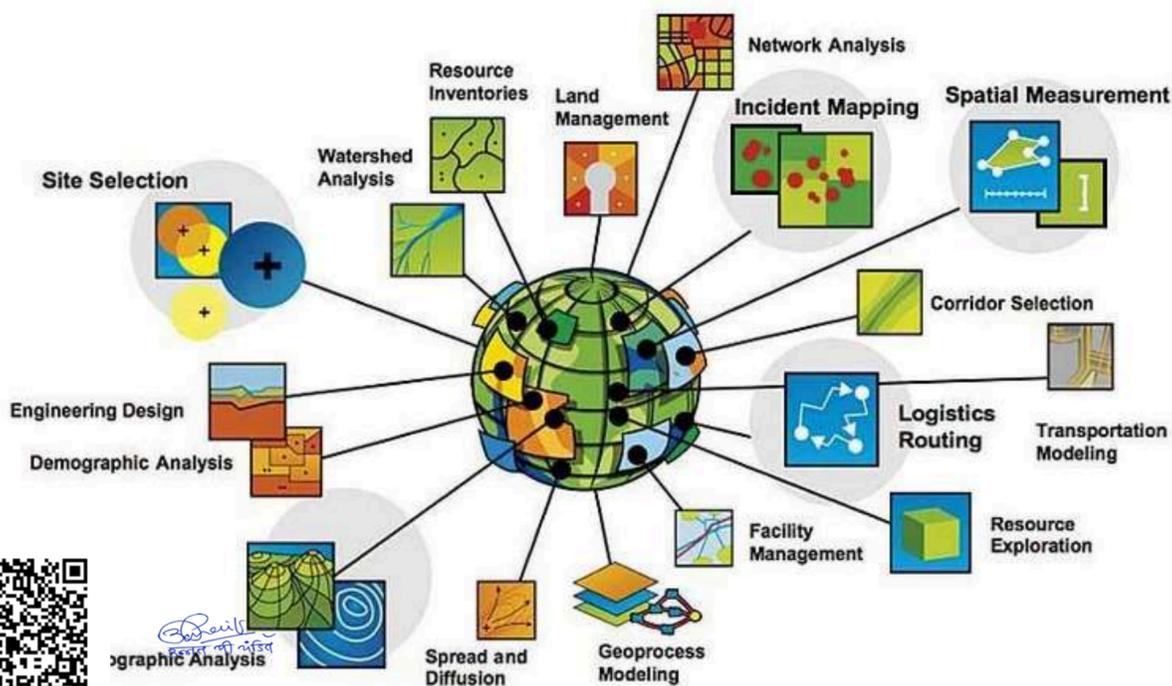
Data Modeling



Decision Making

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GIS is Being Applied Around the World
Across Many Disciplines, Professions, and Organizations





JOB OPPORTUNITIES

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GIS and Remote Sensing experts can get hired at different levels in positions

- GIS MAPPING TECHNICIAN
- GIS DATA SPECIALIST
- GIS SCIENTIST
- GIS BUSINESS ANALYST
- GIS SOFTWARE ENGINEER
- GIS ENGINEER
- GIS PROGRAMMER
- GIS CONSULTANT



सत्यमेव जयते
सत्य की शक्ति





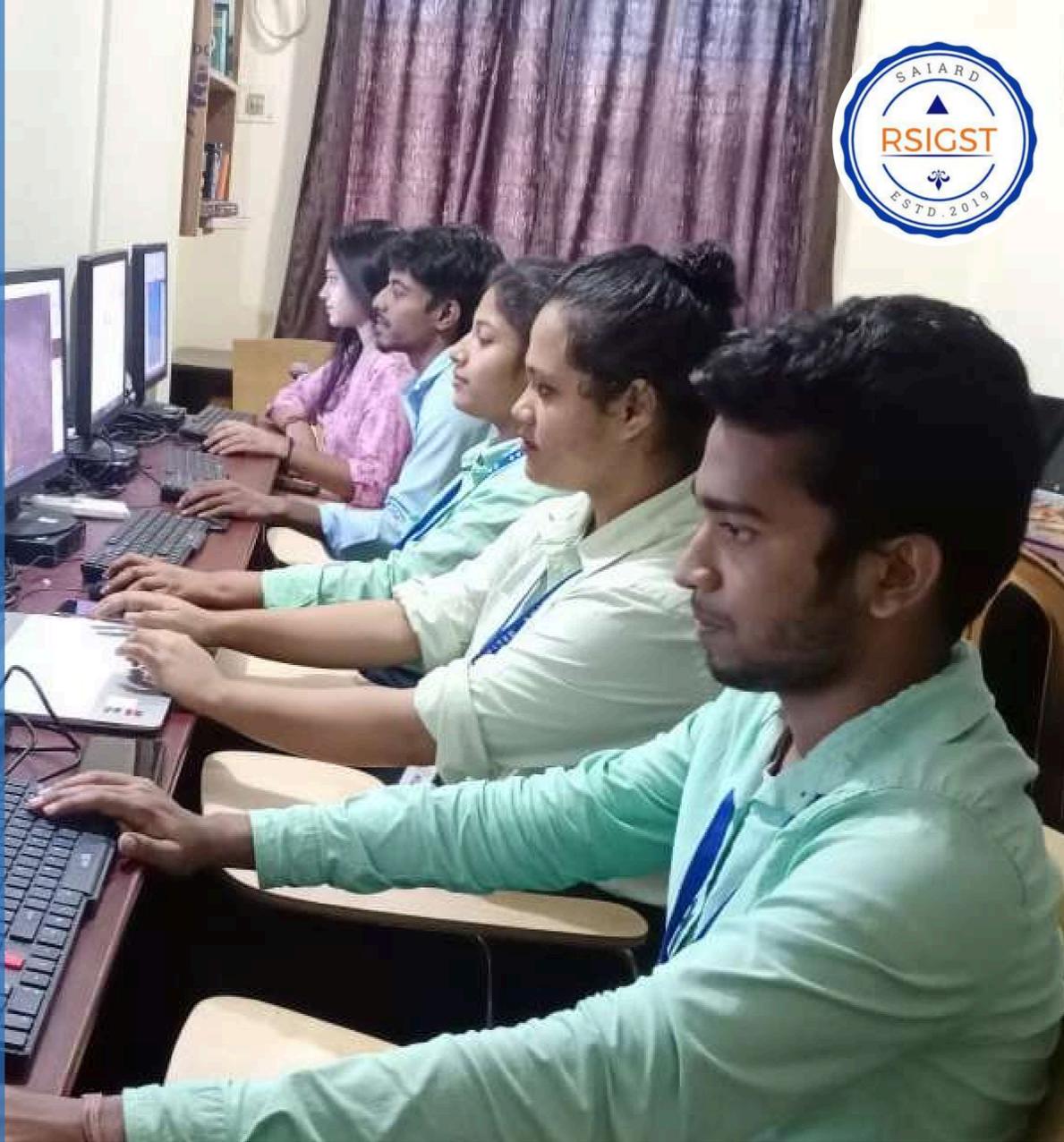
RSIGST SCHOOL GIS

GIS (Geographic Information System) technology has become an increasingly important tool in various industries, including urban planning, environmental management, and logistics. With its ability to analyze and visualize spatial data, GIS has revolutionized the way we view and understand the world around us. Recognizing the significance of GIS skills in the modern workforce, it is required to start implementing GIS training programs, providing students with a valuable skillset that can pave the way for exciting career opportunities. The National Geospatial Policy also highlights the need for capacity building in the geospatial sector. By providing GIS skill development training at schools, we are laying the foundation for a skilled and competent geospatial workforce in the country. Students who receive GIS training will have a head start in pursuing careers in this field, contributing to the growth of the geospatial industry and its related sectors. This, in turn, aligns with the policy's objectives of promoting innovation, entrepreneurship, and job creation in the geospatial sector.



NATIONAL GEOSPATIAL POLICY & SCHOOL GIS

The implementation of GIS skill development training at schools aligns perfectly with the objectives outlined in the National Geospatial Policy. This policy emphasizes the importance of geospatial knowledge and technology in driving sustainable development, improving governance, and enhancing decision-making processes. By introducing GIS training at schools, students are exposed to spatial thinking from a young age. They learn to understand and analyze the world around them in terms of spatial relationships, patterns, and processes. This spatial literacy enables students to better comprehend complex issues and find innovative solutions to spatial problems. Moreover, it fosters a sense of responsibility towards sustainable development and environmental stewardship.



OBJECTIVES

- To promote digital literacy and geospatial skills among students.
- To encourage project-based learning and research using GIS technology
- Access to a user-friendly GIS platform tailored for school use.
- Curated datasets and educational resources for various subjects.
- Both Offline & Online tutorials and training materials for students and teachers.
- Support for project development and competitions.

BENEFITS

- Enhances spatial thinking and problem-solving skills.
- Makes learning more engaging and interactive.
- Prepares students for future careers in geospatial technology and related fields.
- Fosters a deeper understanding of global issues and their local impacts.





Role of RSIGST in SCHOOL GIS

2 TRAINING AND CAPACITY BUILDING

RSIGST will provide training sessions for teachers to familiarize them with GIS concepts, software tools, and how to integrate GIS into their teaching practices.

3 PROJECT DEVELOPMENT

RSIGST will support schools in developing GIS projects for students, providing guidance on project design, data collection, analysis, and presentation.

4 MONITORING & EVALUATION

RSIGST will monitor the progress of the School GIS program through regular assessments and feedback from schools, teachers, and students.

1 DEVELOPING CURRICULUM

RSIGST will develop curriculum guidelines and training materials tailored to the school level. This includes creating lesson plans, exercises, and assessments that align with educational standards.

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5 NETWORKING & COLLABORATION

RSIGST will facilitate networking and collaboration among schools implementing GIS training. Also RSIGST will help the school to build networks with the relevant Govt. and Industry bodies like NATMO, ISRO etc.

6 RECOGNITION & AWARDS

RSIGST will recognize and award schools, teachers, and students for their achievements and contributions to the School GIS program. This will help motivate participants and promote the program's success.



RSIGST SCHOOL GIS



ADVANTAGES FOR SCHOOLS

- Business Development
- Promotion of Capacity Building
- Networking

HOW TO JOIN
Sign a simple MOU
to Join RSIGST
School GIS
initiative

Enhancing Digital Education

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TARGET CLASSES

- Class-IX & X
- Class-XI & XII

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Radhanath Sikdar Institute of Geospatial Science & Technology (RSIGST)

Formerly International Institute of Geospatial Science & Technology (IIGST)



Radhanath Sikdar Institute of Geospatial Science & Technology (RSIGST), a Geospatial Centre of Excellence of SAIARD Trust, has been working since 2019 as a non-profit R&D organization, with a motto to promote research, advocacy, education, and innovative ideas for the application geospatial science and emerging technologies through publication, capacity building & outreach programs, collaborations and partnerships for sustainable and cognitive development of greater South Asia region.



RSIGST STATISTICS



200+ Internships



20+ MOUs (Govt. & industry)



100+ Training Programs



15K+ Participants



80+ Pilot Projects



40+ Placements



15+ Running Courses



07+ Publications

RECOGNITIONS

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OUR CLINETS



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