

# GIS for Schools

Empowering students with Geographic Information System



An Initiative by

**IIT Tirupati Navavishkar –i Hub  
Foundation (IITNiF)**



IIT Tirupati  
Navavishkār  
I-Hub Foundation



# Our Mission

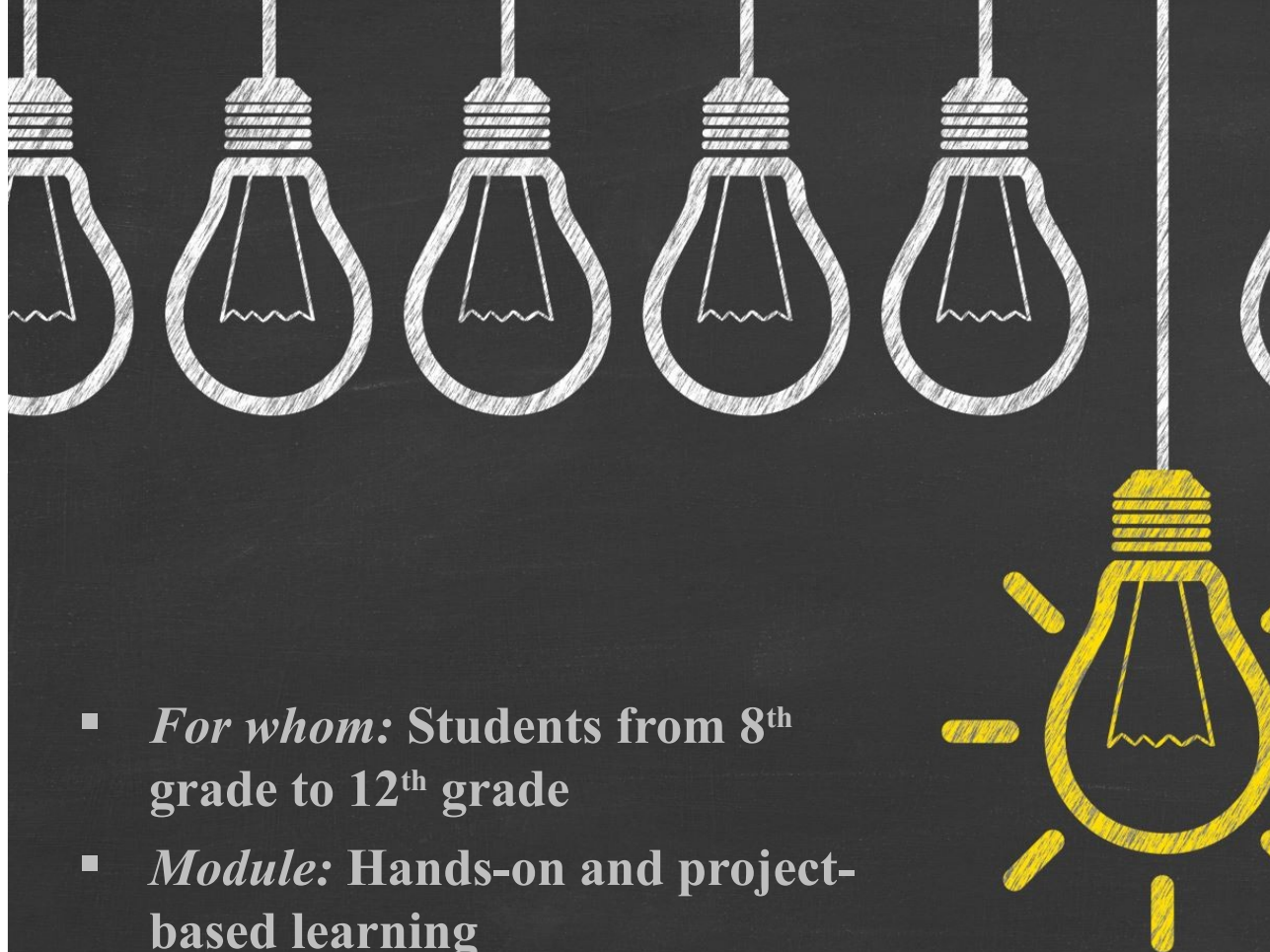
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- Preparing students for 21<sup>st</sup>-century careers (Geo-Developer, urban planner, environmental scientist).
- Unlocking tomorrow's innovations in navigation and location-based services (like traveling, e-commerce, and emergency response).
- Fostering critical thinking and problem-solving.
- Connecting real-world issues to geography.
- Sparking curiosity and fostering a sense of exploration.
- Enhancing spatial thinking skills.



# What we offer

- A highly interactive and hands-on training program on Geospatial Technologies.
- A participation certificate from IITTNiF.
- Selected schools will be identified as nodal centers for training more schools.
- Global and national recognition of schools for providing opportunities for skill enhancement and professional development.
- IITTNiF, facilitating students and teacher's participation in forthcoming international & national seminars or conferences.

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- *For whom:* Students from 8<sup>th</sup> grade to 12<sup>th</sup> grade
  - *Module:* Hands-on and project-based learning
  - *Duration:* One day
  - *Venue:* School's computer lab or any computers-equipped facility
  - GIS software and Geospatial data provided by Navavishkar

# Benefit to Students

Explore and understand the world around us.

GIS transforms abstract concepts into tangible, real-world applications, sparking curiosity and fostering a sense of exploration.

Improving spatial awareness through hands on mapping activity.

Analyzing geographical relationships.

Fostering interdisciplinary learning by integrating geography with other subjects.

Playing with maps and solving puzzles.

Explore the environment.

## Application in School

- Geography classes
- Environmental studies
- History
- STEM classes

## Benefits for Educators

- Professional Skills Development
- By incorporating GIS techniques
- Real-world relevance introduction



# Programs Conducted

<b>Name of the program</b>	<b>No. of institutes</b>	<b>No. of participants</b>
<b>GIS for schools</b>	<b>3</b>	<b>300</b>

## Other programs

- GIS for Colleges**
- GIS for Faculty Members**
- GIS for Farmers**
- GIS for Women (upcoming)**

# HRD Team

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