



## Role: Instructor, Math & Physics Curriculum and Facilitation

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### Organizational Overview

#### [About ISL](#)

ISL is a social impact venture studio.

**Vision:** An India where all communities have the opportunity to thrive through sustainable economic development, citizen engagement, and innovation.

**Mission:** We build transformative educational programs using cutting-edge technology to empower disadvantaged communities and drive lasting social change.

ISL currently runs three projects:

<b>The Adira Academy</b>	<p><b>Mission:</b> To empower promising young women from disadvantaged backgrounds with world-class higher education, mentorship, and emerging career pathways, equipping them to excel, uplift communities, and drive systemic change.</p> <p><b>Early Identification &amp; Long-Term Support:</b> Identify capable girls from economically weaker sections (EWS) beginning in Grade 9 and support them through college graduation.</p> <p><b>Holistic, Future-Ready Learning:</b> Build academic excellence, critical thinking, communication, leadership, and digital fluency through a rigorous, globally benchmarked curriculum.</p> <p><b>Agency &amp; Leadership Development:</b> Cultivate confidence, decision-making, risk-taking, and values-driven leadership to prepare students to navigate complex personal and community challenges.</p> <p><b>Global Access &amp; Career Pathways:</b> Prepare students for competitive admissions to leading universities worldwide and exposure to emerging career pathways through mentorship, networks, and experiential learning.</p> <p><b>Personalized, Tech-Enabled Model:</b> Deliver a flexible, self-paced, and blended program that combines asynchronous learning with live mentorship, coaching, and community.</p> <p>Through sustained, personalized engagement, Adira equips students not only to enter college, but to thrive through graduation and transition into impactful careers.</p>
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<p><b>The Critical Literacy Project (CLP)</b></p>	<p>Critical literacy (CL) is a transformative pedagogical approach that empowers teachers to cultivate critical thinking, through wide and deep reading and writing, within their students. These skills become integral to academic success and foster a nuanced understanding of the world, while also encouraging students to develop their own voices. They are integral to a rapidly changing world and an uncertain future of work. This approach equips students to become active and engaged participants in their communities by providing them with an analytical framework that they can apply to diverse resources and media.</p> <p><b>Vision:</b> Empower educators to think critically, make lasting impacts on students, and foster a community of informed citizens in India.</p> <p><b>Mission:</b> Foster a cross-collaborative community of innovative educators across Indian school systems and independent education organizations that serve marginalized communities.</p>
<p><b>AI for SI</b></p>	<p>AI for SI is a social impact project that we are currently running in Chennai and Pune but it will be expanded to other cities in the coming year.</p> <p><b>Project Mission</b></p> <p>Our mission is to build a comprehensive Community Map of low-income communities across India by leveraging AI, extensive surveys, and drone mapping. This map will serve as a crucial tool for NGOs and government agencies to implement data-driven interventions that drive impactful change.</p> <p><b>Objectives:</b></p> <ul style="list-style-type: none"> <li>● A data hub on top of an LLM for easy access and queries to the community map.</li> <li>● AI predictive model for interventions and data extrapolations of future communities.</li> <li>● Form a network of NGOs, Government Agencies, Schools, and Universities to use the data to implement effective interventions in marginalised communities. This will give them a running start.</li> <li>● Data integrity: Continual surveys. Effect of interventions</li> </ul>

The **Instructor, Math & Physics Curriculum and Facilitation** will work with the curriculum team under the guidance of the Senior Manager of Curriculum and Facilitation.

The candidate will play a crucial role in developing, implementing, and facilitating learning spaces for students who are selected for the Adira Program. This will involve designing and delivering engaging and impactful learning experiences that are tailored to the needs of the students and that help them to develop the knowledge, skills and strategies they need to successfully navigate high school and competitive exams in STEM.

The candidate will also be responsible for co-designing and implementing monitoring tools that will guide the evaluation process of student learning.

The candidate will work closely with other members of the organisation to identify areas where the program can be improved and to implement changes that will enhance the experience of students. This may involve

collaborating with program designers to refine the curriculum, working with facilitators to improve the delivery of learning experiences etc.

Overall, the candidate will need to be highly organised, detail-oriented, and adept at working in a fast-paced, dynamic environment. They should have excellent communication and interpersonal skills, as well as a deep understanding of adult learning theory and principles of program evaluation. They should also be committed to the organisation's mission of supporting change makers and creating a positive social impact.

**The position [Manager/Senior Associate] will be decided based on qualifications and experience.**

## **Roles and responsibilities:**

### **Curriculum Design**

1. Plan and execute a comprehensive Math & Physics curriculum [separate] in collaboration with the STEM Team that meets the needs of the students and is aligned with international standards in curriculum.
2. Co-design coherent curriculum for grades 9-12 with the STEM team.
3. Create scaffolded yet rigorous plans that motivate students to learn the subject.
4. Plan and execute a STEM lab curriculum for students in a virtual high school environment with some options of in-person instruction available.
5. Curate a bridge program for High School Math/Physics, AP and SAT as needed.
6. Open to learn and practice global pedagogy practices and keep up with new research in respective subject areas.

### **Instruction & Delivery**

7. Use relevant classroom practices for grade 9-12 Math and Physics
8. Use customised strategies that enable differentiation and individual learning for each student in a virtual classroom.
9. Integrate use of technology and AI tools in instruction and student learning.
10. Provide support in [Advanced Placement](#) Math [Statistics and Calculus], SAT, High School CBSE / NIOS Math & Physics for students who are keen for careers in STEM.

### **MEL**

11. Evaluate and assess the effectiveness of the curriculum on a regular basis, making modifications as necessary.
12. Conduct check-ins with the students to ensure they receive the support and guidance they need.
13. Set goals with and for students, and set up mechanisms to hold them accountable.
14. Co-create and guide evaluation metrics for students and support the team with Monitoring, Evaluation and Learning (MEL).

Instructors are also expected to act as advisors for a group of students to support and monitor student wellbeing for an academic year.

## **Key Qualifications & Experience**

- ***Professional Experience***

1. Educational background in STEM - Masters in Physics/Maths required. Degree in education/science education desirable but not necessary.

2. Experience teaching Math/Physics to grades 9-12 or 9 and above
3. Demonstrated passion for STEM education and youth development.
4. Proven facilitation and coaching skills.
5. Direct experience working with adolescents, either in formal or informal educational settings.

- ***Personal Characteristics***

1. Resourceful self-starter.
2. Be adaptable and flexible
3. Structured problem solver.
4. Clear communicator.
5. Ability to collaborate with a diverse group of people.
6. Responsive to feedback and changing needs.
7. Detail orientation and organisation skills.
8. Data analytical skills.
9. Fluent in English.

- ***Proximate Experience***

1. A strong understanding of Indian culture and regional differences is highly desirable
2. Experience with working with ESL learners.
3. Familiarity with Khan Academy, Canvas LMS, and other learning tools desirable.
4. Familiarity with NIOS curriculum is preferred but not required.
5. Verbal communication skills in Hindi are preferred but not necessary.

**Location:** Remote within India. Willingness to travel twice a year for 1-2 weeks at a stretch for student and staff residencies.

**Compensation:** Senior Associate- up to 7LPA, Manager- up to 8LPA

**To apply:** Please fill out the [application form](#) to submit your application.