

Senior Research Assistant - Learning Science

Reports to: Principal Investigator

Duration: 1 year (extendable)

Vacancy: 1

Pay: Rs.75,000 to 1 Lakh per month

Role Summary:

The Senior RA (Learning Science) will lead the empirical validation of the evaluation framework through classroom-based research. This includes designing pilot studies, developing assessment instruments, coordinating field data collection across multiple school sites, and analyzing learning outcomes to establish the credibility of the framework's scoring dimensions.

Key Responsibilities:

- Design and execute pilot studies with 4–6 EdTech platforms across up to 10 classrooms, including pre/post-test designs and control/comparison group experiments.
- Develop research instruments: pre-tests, post-tests, educator surveys, student engagement measures, and structured classroom observation protocols.
- Coordinate with schools, teachers, and administrators to schedule and conduct field studies.
- Analyze quantitative and qualitative data using mixed-methods approaches to correlate framework scores with learning gains.
- Ensure validity and reliability of assessment instruments and research methodologies.
- Collaborate with the AI/ML team to provide ground-truth data for simulation engine calibration.
- Supervise Research Assistants on data collection, coding, and analysis tasks.
- Synthesize findings into reports and research publications suitable for academic and policy audiences.

Qualifications:

- Master's or PhD (ongoing or completed) in Education, Learning Sciences, Educational Psychology, Educational Technology, or a related field.
- Any non-engineering PG requires 2 yrs of experience.
- Demonstrated experience in designing and executing classroom-based research or educational interventions.
- Strong skills in pre/post-test design, quasi-experimental methods, and mixed-methods research.
- Familiarity with student engagement metrics and formative assessment practices.
- Experience with statistical tools for educational data analysis.
- Excellent communication skills for working with school stakeholders and reporting findings clearly.