

GRANT PROPOSAL

Mobile Science Lab for Government Schools

Bringing hands-on science experiments to 40 schools through a lab-on-wheels

PREPARED FOR

Education Grants Committee

PREPARED BY

Dr. Arvind Kulkarni, Founder
Trustee

DATE

May 2026

1. Executive Summary

Most government schools in the district have no functioning science laboratory, so students learn experiments only from textbooks. Jigyasa Education Trust proposes a mobile science lab — a van equipped with apparatus and trained facilitators — that visits 40 schools on a fixed timetable, giving students in Classes 6 to 10 regular hands-on practice.

40

Schools

8,000

Students reached

2 years

Project period

2. Background and Need

Science teachers in rural schools often teach without equipment, and students rarely perform experiments themselves. This affects both understanding and interest in science.

A mobile lab can share one well-equipped set of apparatus across many schools at a fraction of the cost of building labs in each.

3. Goals and Objectives

Improve understanding of science concepts and curiosity among students in government schools.

1. Visit each school at least twice a month.
2. Conduct curriculum-linked experiments for Classes 6–10.
3. Train science teachers to continue activities between visits.
4. Organise an annual district science fair.

4. Approach and Activities

Van and equipment

Purchase and fit out the van with apparatus, storage and safety equipment.

Curriculum mapping

Map 60 experiments to the syllabus for Classes 6–10.

School visits

Two facilitators run sessions on a fixed timetable.

Teacher training

Quarterly workshops for science teachers.

Science fair

District-level fair showcasing student projects.

Deliverables

Deliverable	Description	Due
Equipped van	Lab-on-wheels ready	Month 3
Activity manual	60 experiments	Month 3
School visits	About 1,600 sessions	Month 24
Teacher workshops	8 workshops	Month 24

5. Timeline

The work plan below shows the main activities and their indicative timing.

Activity	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Van set-up	■							
Curriculum mapping	■							
School visits		■	■	■	■	■	■	■
Teacher training		■	■	■	■	■	■	■
Science fair				■				
Evaluation								■

6. Team and Governance

Name	Role	Responsibility
Dr. Arvind Kulkarni	Project head	Overall responsibility
Science facilitators (2)	Facilitators	Sessions in schools
Driver-cum-lab assistant	Support	Van and equipment

Name	Role	Responsibility
Advisory teacher panel	Advisers	Curriculum and quality

7. Budget

All amounts are estimates in Indian rupees and are provided as sample figures for planning.

Head	Details	Amount (₹)
Van and fit-out	One-time	1,200,000
Apparatus and consumables	Two years	450,000
Salaries	Facilitators and assistant, two years	1,680,000
Fuel and maintenance	Two years	360,000
Teacher workshops and fair	Events	240,000
Monitoring and admin	Overheads	200,000
Total		4,130,000

8. Monitoring and Evaluation

Indicator	Target	How measured
Sessions conducted	1,600	Visit logs signed by schools
Students reached	8,000	Attendance
Concept test scores	Improvement over baseline	Pre/post tests
Teachers trained	80	Workshop records

9. Risks and Mitigation

Risk	Likelihood	Mitigation
Van breakdown	Medium	Maintenance contract and backup schedule

Risk	Likelihood	Mitigation
School calendar changes	Medium	Advance timetable with education office
Breakage of apparatus	Medium	Spare kits and consumable budget

10. Sustainability

After two years, the trust will seek support from the district administration and local businesses to continue operations, and trained teachers will carry activities forward.

11. Conclusion

A mobile science lab is a cost-effective way to make science practical and exciting for thousands of students.

Next step

Approve a two-year grant of ₹41.3 lakh to launch the mobile science lab in the coming academic year.

Dr. Arvind Kulkarni

Submitted by

Approved by (name, designation)