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Government of National Capital Territory of Delhi

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Certificate No.	:	**IN-DL49342561666927W**
Certificate Issued Date	:	05-Sep-2024 02:03 PM
Account Reference	:	IMPACC (PF)/ dl766013/ DELHI/ DL-DLH
Unique Doc. Reference	:	SUBIN-DLDL76601351135552750921W
Purchased by	:	SHRIRAM PISTONS AND RINGS LTD
Description of Document	:	Article 5 General Agreement
Property Description	:	Not Applicable
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	STEM LEARNING PRIVATE LIMITED
Second Party	:	SHRIRAM PISTONS AND RINGS LTD
Stamp Duty Paid By	:	SHRIRAM PISTONS AND RINGS LTD
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

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Please write or type below this line IN-DL49342561666927W

This Stamp Paper forms an integral part of this Service Agreement dated _____ entered into between **STEM LEARNING PRIVATE LIMITED** and **SHRIRAM PISTONS & RINGS LIMITED** containing 28 Pages.

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Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

SERVICES AGREEMENT

This Services Agreement (hereinafter referred to as "Agreement") is made on this ____ day of September, 2024 in Delhi:

BY AND BETWEEN

STEM LEARNING PVT. LTD., a company incorporated under The Companies Act, 2013 and having its registered office at 12th Floor, Marathon ICON 1205, Marathon Nextgen Campus, Opp. G.K. Marg, Lower Parel(W), Mumbai – 400013 (hereinafter referred to as "**SERVICE PROVIDER**"), which expression shall unless repugnant to the context shall mean and include its successors and permitted assigns of the ONE PART;

AND

Shriram Pistons & Rings Limited, a company existing under The Companies Act, 2013 and having its registered office at 3rd Floor , Himalaya House , 23, Kasturba Gandhi Marg, New Delhi -110001 (hereinafter referred to as "**SPRL**"), which expression shall, unless it be repugnant to the context or meaning thereof, shall mean and include its successors and permitted assigns) of the OTHER PART;

Service Provider and SPRL shall individually be referred to as 'Party' and collectively as 'Parties'.

WHEREAS:

1. SPRL conducts various corporate social responsibility initiatives by undertaking activities which inter alia include creating better quality of life for vulnerable communities through healthcare, education and imparting employable skills to people in the community.

2. SPRL has decided to set up a corporate social responsibility initiative focused on imparting STEM (Science Technology Engineering Mathematics) education to children. SPRL has identified two schools i.e. one at Ghaziabad, Uttar Pradesh and other at Pathredi, Rajasthan in order to execute the said project. SPRL requires the assistance of a third party in order to execute said project.

3. Service Provider has represented to SPRL that they are in the business of providing quality education to children through basic concepts of Science Technology Engineering Mathematics (STEM) education and have the expertise, requisite trained and experienced resources, and relevant infrastructure and financial capacity to provide the Services under this Agreement.

4. SERVICE PROVIDER agrees to provide the Services to SPRL for a valuable consideration and SPRL agrees to receive the Services, both Parties having consented have agreed to terms and conditions of this Agreement and as appearing herein under:

NOW THEREFORE THIS AGREEMENT WITNESSETH AND BOTH PARTIES HERETO AGREE AS UNDER:

1. TERM OF THIS AGREEMENT

This Agreement shall be valid for a period effective from 16th September 2024 to 15th September 2025 unless terminated in accordance with the provisions of this Agreement.

2. SCOPE OF SERVICES

The Service Provider shall be providing the following Services (hereinafter referred to as "Services").

2.1 SERVICE PROVIDER shall be providing technical Partnership for establishing Mini Science Centre at (1) Nagar Nigam Balika Inter College , Sehani, Ghaziabad & (2) Saraswati

Vidya Mandir Higher Secondary School, Krishna Nagar, Meerut Road, Ghaziabad, in Ghaziabad Region, Uttar Pradesh and (1) Government Senior Secondary School, Luhader, Village Birampur, Tizara & (2) Government Senior Secondary School, Dhaki, Block Tijara, Alwar, in Pathredi Region, Rajasthan targeting the students from standard 5th to 10th, more fully detailed in **ANNEXURE A** to this Agreement. The objective of the project is to clear the basic understanding of Science & Math concepts to the students and also make them understand the application of science in day to day life by giving them a hands-on approach with the help of the science models.

2.2 SERVICE PROVIDER shall be responsible for mobilization of candidates and for this purpose provide Teacher's Training Program (TTP) for better mobilisation of the students and will be monitoring the project for - 12 months viz. 16th September 2024 to 15th September, 2025 to ensure proper utilisation of the project and mobilisation of the students.

2.3 SERVICE PROVIDER shall provide the Services using its own staff/employees and shall not sub-contract the work of providing the Services to a third Party without prior information and approval from SPRL.

2.4 SERVICE PROVIDER shall provide SPRL such other Services as required by SPRL from time to time and mutually agreed by the Parties to this Agreement by way of separate writings between the parties hereof

2.5 In performing the terms and conditions of this Agreement, SERVICE PROVIDER shall at all times be an Independent Contractor. This Agreement does not in any way create a relationship of principal and agent between SPRL and the SERVICE PROVIDER.

2.6 Advice and provide consultation services to SPRL regarding various safety and precautionary measures that may be required in relation to the devices, equipment, accessories, system etc. for which the Services are Provided.

3. COVENANTS OF SERVICE PROVIDER

SERVICE PROVIDER shall:

3.1 Provide the Services as specified in **Annexure A** as and when required by SPRL. However both Parties shall mutually discuss and agree upon in writing, any addition/ amendment in Services on case to case basis from time to time.

3.2 Set up the necessary infrastructure and perform all related activities as detailed in Annexure A for establishing the Mini Science Centre at the schools mentioned in Clause 2.1

3.3 Be fully responsible for all actions and omissions occurring on the school premises in connection with the Services provided. The Service Provider agrees to indemnify and hold SPRL harmless from any claims, demands, or legal actions made by the school that arise out of or is related to the Service Provider's conduct or Services.

3.4 Be solely responsible for any defect, damage, loss, etc. caused to SPRL's property including the devices, equipment's, accessories, systems, etc. in respect of which the Services shall be provided by SERVICE PROVIDER as a result of any acts, omissions, commissions, defaults, negligence's, etc. whatsoever on the part of SERVICE PROVIDER including of its employees/staff.

3.5 Repair and remove any defects and damage caused on account of normal wear and tear of devices, equipment, accessories, systems, etc. in respect of which the Services shall be provided.

3.6 Ensure that they have with them all the tools, parts, testing equipment, accessories, equipment's, accessories, systems, etc., well before actually providing the Services to SPRL. SPRL shall not be responsible in any manner to provide the same to SERVICE PROVIDER.

3.7 Be responsible for the safekeeping of its own tools, equipment's, testing equipment, systems, etc. brought in SPRL's offices/branches for the purpose of providing Services.

3.8 Provide SPRL a report relating to the work done and the Services provided.

3.9 The staff/employees of SERVICE PROVIDER involved in providing the Services to SPRL shall remain the employees of SERVICE PROVIDER and shall in no circumstances claim, represent or act as staff/employees of SPRL. As their employer, SERVICE PROVIDER shall be solely responsible for compliance of all labour related laws, the payment of wages/salaries, statutory benefits if any of its employees/staff involved in providing the Services to SPRL at its offices/premises. Such staff/employees shall not be below the age of 18 years.

3.10 Ensure that while providing the Services the SERVICE PROVIDER and or its employees/staff providing the Services follow SPRL's code of conduct and safety policies which shall be provided by SPRL from time to time. SPRL shall inform the SERVICE PROVIDER of any acts of misconduct by its staff/employees providing the Services immediately and discuss the action /steps to be taken. In the event of violation of the Code of Conduct such staff/employee, the same shall be intimated to the SERVICE PROVIDER through its designated person in charge for necessary action by the SERVICE PROVIDER.

3.11 SPRL, through its designated personnel, shall inform the designated person in charge of the SERVICE PROVIDER for withdrawal of any of its employee/staff providing the Services in case of theft, fraud, acts that constitute moral turpitude etc., SPRL shall brief the Services Provider on the full details in such cases for the SERVICE PROVIDER to take appropriate action.

3.12 The SERVICE PROVIDER and or its employees/staff providing the Services to SPRL shall have no claims whatsoever against SPRL and should SPRL have to bear any cost due to the failure of the Services Provider to fulfil their obligations, the same shall be recovered from the amounts due to the SERVICE PROVIDER. The Services Provider shall obtain necessary insurance policy to cover their employees/staff involved in providing the Services against injuries, death and for any claims arising under the Workmen Compensation Act. The Service provider shall from time to time, keep the said policy renewed and furnish a copy to SPRL forthwith of the same been renewed.

3.13 Not sub-contract this Agreement or any part thereof to a third party without the prior written permission from SPRL.

3.14 Depute only those of its employees/staff with necessary skill, experience, training etc. for providing Services to SPRL.

3.15 keep its employees/staff at SPRL'S offices/branches briefed on the work requirements of such employees/staff and ensure Services as defined in the Scope of Work.

3.16 Supervise and facilitate its employees/staff relating to the Services to be provided. SPRL on its part may decide to inspect the work done during and after the Services are provided.

4. SPRL'S CONVENANTS

SPRL shall

4.1 immediately inform SERVICE PROVIDER if a Service-related requirement arises and SERVICE PROVIDER shall promptly provide the Services.

4.2 SPRL shall provide the SERVICE PROVIDER details of its designated personnel for the purpose of this Agreement from time to time.

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5. COMMON OBLIGATION OF PARTIES

5.1 Both Parties shall coordinate with each other for providing information, details, etc. required for the purpose of SERVICE PROVIDER to provide the Services under this Agreement.

5.2 Both Parties shall mutually discuss and agree the terms and conditions, considerations, etc. upon any further services required by SPRL from time to time.

5.3 Both Parties shall provide each other details of their authorized personnel who shall co-ordinate with each other for the purpose of this Agreement.

6. CONSIDERATION

In consideration of the Services provided by Service Provider, SPRL shall make payment for the Services received at the rates given in **Annexure- B**, applicable GST shall be paid extra by SPRL. The Service Provider shall raise invoice for the Services to be provided under this Agreement as per the consideration agreed herein. Upon receipt of the undisputed invoice, SPRL shall verify the amounts stated in the invoice and shall endeavour to pay amounts in the invoice within 15 days of the receipt of the invoice by way of NEFT/RTGS to the bank account of the Service Provider as communicated to the SPRL in the relevant invoice. All the payments by SPRL shall be subject to deduction of applicable taxes.

7. DISPUTE RESOLUTION

Any dispute, controversy or claim arising out or relating to this agreement, or the breach, termination or invalidity thereof shall be settled by reference of dispute to Arbitration conducted in accordance with the Arbitration and Conciliation Act, 1996. The place of arbitration shall be New Delhi. The language used in the arbitral proceedings shall be English.

8. CONFIDENTIALITY

The Parties agree to maintain confidentiality and shall not disclose to any third party, any confidential information received while fulfilling the obligations under this Agreement including but not limited to governance, financial management, business or programmes under Service Agreement, without seeking prior consent of the other party to this Service Agreement. However, this restriction shall not apply where the information is required under a legal obligation to any Court or to a Government authority. Further parties agree to restrict access to such Confidential Information to such of its employees who have a need to know it to effectuate its rights and obligations under this Agreement.

9. FORCE MAJEURE PROVISION

None of the parties shall be responsible for delay or failure to perform any part of this Service Agreement when caused by events or circumstances outside the control of each party, including but not limited to acts of God, fire, flood, war, sabotage, terrorism, embargo, civil commotion, acts or omissions by a government entity, power or communication failures not caused by the parties. No party shall be deemed in violation of this Service Agreement if it is prevented from performing any of its obligations due to reasons mentioned hereunder in this Clause. In such an event the intervening cause must not be through the fault of the party asserting such an excuse.

10. TERMINATION

SPRL may terminate this agreement either without cause or in the event of violation of any of the provisions specified in various clauses of this Agreement that lead to a conflict which

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may affect the objectives of the programme, at any time of this Agreement period, after giving the due notice of 30 days to Service Provider.

Service Provider shall not be entitled to payment of any amount or by way of compensation for termination of the Agreement for the cause mentioned above.

11. STATUTORY COMPLIANCE

Service Provider shall be solely liable for all statutory compliance for applicable laws of land in respect of the project and hereby indemnifies **SPRL** for all on compliances thereof, if any.

IN WITNESS OF THE ABOVE the authorised representatives of the Parties have signed and dated this Agreement as follows:

Signed and duly authorised for and on behalf of SPRL:

Signature: Pankaj Gupta.

Name: PANKAJ GUPTA

Designation: HEAD LS&AL & CS

Date: 16/9/2024.

Witness:

Signature: _____

Name: D. C. Joshi

Designation: Sr. Deptt Manager

Signed and duly authorised for and on behalf of STEM LEARNING PVT. LTD.:

Signature: Vikash.

Name: VIKASH PANCHAL

Designation: Program manager

Date: 17/9/2024

Witness:

Signature: Atul Rai

Name: Atul Rai

Designation: Cluster Manager

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ANNEXURE - A

Implementing Partner:

STEM Learning – "A Social Enterprise"

STEM

Building Brains.....Beyond Books.....

Mini Science Centre *Teacher Training Program* *Science Competition (NSP)* *DIY – Model Makin*

Proposal for establishing 4 (Four) Mini Science Centre under the CSR initiative of

"Shriram Pistons and Rings Limited"

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STEM
Building Brains Beyond Books

About: STEM Learning Pvt. Ltd:

STEM Learning was conceptualized with an aim to inculcate basic concepts of Science, Technology, Engineering, Mathematics at school level, thereby encouraging inclination of students / learners towards science and technology. Models designed by STEM help students in identifying and experiencing the actual concepts which they learn from textbooks making it more practical in approach

STEM believes that school education can't be only visual or audio but it is important for the children to practically feel the products and experience it. With this vision, STEM has customized 80 models based on 150+ concepts of Science and Maths for better learning and understanding of the concepts. STEM believes in adding more models for improved learning of students especially for those from less privileged sections of the society.

STEM through its MSC's have benefitted over 1.5 Million students with 25000+ teachers in 2500 + schools across 27 states in India. In addition to this, STEM learning also has a niche in installing 37 big science centers in different talukas of Odisha. These science center's have trained more than one lakh students who otherwise would have never got a chance to experience and explore science in a practical and easy way.

STEM's models are approved by 8 SCERT- Maharashtra, Goa, Chhattisgarh, Delhi, Odisha, West Bengal, Nagaland and Jammu & Kashmir for their alignment with the curriculum and the approvals by the SCERT's of Andhra Pradesh, Telangana and Karnataka are awaited for approval.

Mission Statement:

- To enhance students' aptitude towards science & math so that they embrace it and grow with it while relishing the learning process.

Vision Statement:

- To be recognized globally for bringing innovative learning products in School Education and contributing to the society by reaching to the less privileged students

Goal:

- Learning is made accessible to all children for aptitude enhancement.

C.1: **Immediate Goal:** Reaching to Large population of under privileged Children Pan-India

C.2: **Aim:** Ensuring equal opportunities for learning and development of all underprivileged Children.

2. *C.3:* **Immediate Aim:** Reaching 3000 schools in the academic year 2022-23.

2. *C.4:* **Objective:** Empowerment/Enhancement of aptitude of children.

Specific Objectives:

To ignite scientific interest in children so that:

- Question intelligently.
- Learn through discovery & Innovation.
- Connect scientific knowledge to their world
- All of these are expected to strengthen scientific temper in children, thus laying the foundation for a flourishing career in Science & Mathematics

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Strategic areas of Focus:

- Providing quality teaching aids to improve teaching methods for students from lesser privileged sections of society.
- Enhancing a positive attitude, learning capacity, and skills of students.
- Providing a platform where students and teachers can volunteer for customized engagement programs/events.
- Creating partnerships and collaborating with various stakeholders to ensure sustainability of the project.

Background and Project Need:

The education system in India is undergoing a transformational process with special emphasis on Science and Math education. Science education in India is faced by various practical challenges today. The first and the most basic problem that has persisted and resisted solutions since early education, is our inability to ease the fear of difficult subjects such as science and math and make it simple and fun so as to help retain the knowledge and strengthen the foundation of the child for future.

Science is knowledge about the material, natural world. It is knowledge produced from systemat ic observation, measurement, experimentation, exploration, and speculation and theorization about natural objects, their properties and their interactions. Whether the topic of forces in Physics or the solubility of substances in water from Chemistry, or germination in Biology, the science curriculum directs attention to the material world, to things and processes in it; about which it would like children to learn—to notice, name and think about things based and theories that characterize these disciplinary approaches, furthermore mathematics establishes the foundation for calculation is a part of everyday life

However, a disciplinary approach is essential in learning BUT it is also imperative to ensure that we make the subject interesting; as, it is a challenge to a large percentage of children to comprehend the formulas and equations. This not only limits the learning of students about science & Math's but also lessens the interest of children in these subjects and a fear of psychosis is created in their minds for these subjects.

Our Honorable Prime Minister during the 104th Indian Science Congress on 'Science and Technology for National Development, emphasized that the government is committed to support the different streams of scientific knowledge from fundamental science to applied science with an emphasis on innovations.

The Prime Minister instituted the concept of 'scientific social responsibility'. Underlining the need to inculcate the concept of 'scientific social responsibility (SSR)', akin to corporate social responsibility, PM Shri Narendra Modi ji put the impetus on corporates to actively participate in developing science and technology centers across India.

We at STEM Learning provide the Mini Science Centre – (MSC) that supports and encourages the students to develop aptitude & skills. Science activities are done to stimulate curiosity, provide practical opportunities to explore a concept in easy ways, develop appropriate hands-on experience in understanding science and its concepts which is sadly absent today across all our education syllabus. More so with inadequate teaching staff in rural, municipal schools which are for the underprivileged children adds to the existing challenge in the education system.

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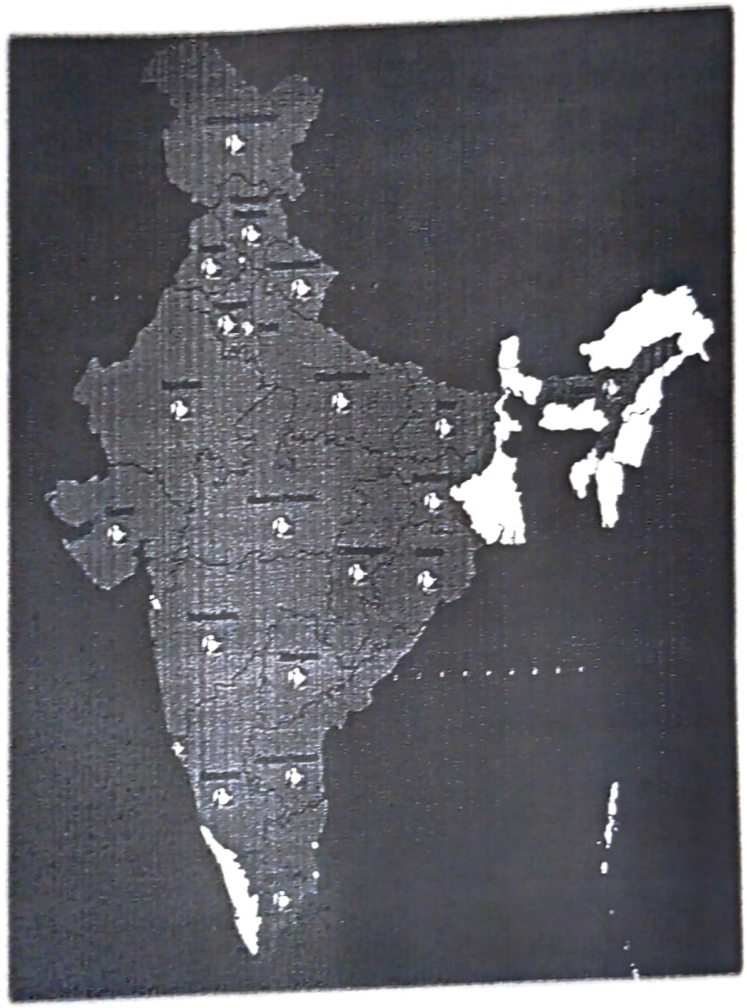
STEM Learning MSC Locations:

STEM learning has a pan India presence in 27 states of India and have proven our process of Installation, delivery- Teachers Training Program along with Monitoring & Evaluation and Maintenance of MSC.

1. Maharashtra
2. Rajasthan
3. Gujarat
4. Karnataka
5. Himachal Pradesh
6. Jammu & Kashmir
7. Goa
8. Haryana
9. Nagaland,
10. Kerala
11. Tamil Nadu
12. Uttar Pradesh
13. Jharkhand
14. Chhattisgarh
15. Madhya Pradesh
16. Andhra Pradesh,
17. Telangana.
18. Bihar
19. Delhi (NCR)
20. Uttarakhand.
21. Punjab
22. Odisha
23. Assam
24. Sikkim
25. Meghalaya
26. Manipur
27. West Bengal



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Reforming Education

STEM Centre

STEM Centre :

- Clearing fundamentals of science concepts.

– Tinker Workshop:

- Out of the box and conceptualizing a solution for a digital world.

– Digital DIY Model Making:

- A platform that ignites the spirit of competition among peers and enhancing their creativity and innovation beyond books

– NSP :

- A platform that ignites the spirit of competition among peers, enhancing their knowledge & innovation beyond books

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Project Summary Statement:

Mini Science Centre

(MSC) is an educative, innovative and systemic instrument designed to revolutionize science & math education that makes learning simpler and accessible. It is a catalytic channel that is an interactive, engaging & fun way of learning technique aimed to raise awareness, grasp the information & strengthen the aptitude of children; furthermore, MSC supports the teachers in teaching - with a focus on concepts from science & math. Mini science Centre has a range of *80 table top working models with 37 back-dropsand manuals in regional language* to provide hands-on experience for learning/teaching Science and Mathematics for Class 5 through 10.

MSC will be a permanent and integral part of the school and academics right from its installation.

The models designed for MSC forms the basis for effective education and better understanding of the academic concepts and their practical applications. Principally these models are ....

- For all students from standard 5 to 10.
- Intentional and standards-based.
- Active, interesting, and relevant to students.
- Reflect current research and practices that are curriculum based.
- Age-level appropriate.
- Integrate skills from different subjects of Science and Mathematics. Incorporate staff training in science and Maths teaching.
- Based on ongoing assessment of student needs and progress.

Mini Science Centre (MSC) Scope of Work

Project Aspect	Expected Deliverables
MSC Infrastructure Arrangement	Infrastructure Arrangements Include: • 80 tabletop models will be installed in the school out of which 17 models operate on electricity. • A proper room minimum of 350-400 Sq Ft, a suitable size along with 17 tables/ platforms with 13 pieces of plywood 100 Running feet (8ftx1.5ft) for Mini Science Centre should be provided in the school. • 17 electrical connections in the room should be provided in the school. • Providing the Backdrops (Language in which it is to be printed should be conveyed beforehand). • Providing the user manual and training manual (Language in which it is to be printed should be conveyed beforehand).
Installation of MSC (80 MODELS + 80 USERS PLACARD + 37 COLORFUL BACKGROUNDS + 1 SAFETY PLACARD+1 TEACHERS MANUAL)	Installation generally starts within 3 weeks from school closure/signing MOU and is completed within 2 days at the school premises. The MSC classroom is painted in white color & mounting of plywood is done along with fitting electrical supply points. **Deliverables:** 80 Models + 80 Users Placard + 37 colorful backgrounds + safety placard + 1 teachers manual The Installation team takes pictures of the room both pre & post installation and a letter is signed from the school authority (Principal) after successful installation and handing over of the materials/documents etc.

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First Teachers Training Program (TTP)	The 1st Teachers training program is undertaken within 2-3 weeks from the installation. 1st Virtual TTP to be conducted in 2nd year To set the training day and location, the trainer's team contacts the principal teacher at the school. Reconfirmation is requested from the principal and teachers 72 hours before the TTP. The Training consists of the following: 1) Orientation of Models 2) Usage as per the Concepts. 3) Mapped document of model with curriculum. 4) Established topics and their usage as per the timetable. 5) Explaining the follow up process for any queries through Phone calls and WhatsApp support group formation. 6) Updating the MSC Register, as the models are plug and play, it can be demonstrated in class for concept clarity. 7) Identify and prioritize issues to be dealt with by teachers. 8) Setup Goals for Best Practice Documentation. 9) Inform about Monitoring & Evaluation visit and process. **The Documents Supporting This Activity Are:** a. Call sheet b. WhatsApp Group Snapshot. c. Goal set document for output. d. Teachers Attendance Sheet Training. e. Pictures and Videos (if possible)
Refresher Teachers Training Program (RTTP) –Conducted Individually for each school.	Typically, the RTTP is conducted four months following the first TTP. 2nd Virtual TTP to be conducted in 3rd year The trainer's staff contacts the principal and teachers of the school to schedule the training day and location. Reconfirmation is requested from the principal and teachers 72 hours before the TTP. The Training Consists of the following: • Engagement of Teachers about Usage of Models. • Identifying Models with Frequent Usage. • Frequency of models being taken to class for explanation of concepts. • Asking the teachers regarding any issues faced during accessing the models and solving it accordingly.
Utilization Check of MSC	After completion of both the Teachers 'Training Program, WhatsApp group is created between teachers and our own trainers to periodically check the utilization of the models Footages of teachers using the models is to be posted regularly on the WhatsApp broadcast group. • Random Visits to School in order to check usability of the models. • Every fortnight, a check is done to gain insights about the frequency of usage of the models. • MSC registers are frequently looked upon to cross check the claims made by the teachers about the usage of MSC.
1st Monitoring and Evaluation (Baseline Survey)	This allows for the full examination of one's understanding of numerous situations, requirements, and school assistance. It usually takes place 4-5 weeks after the first TTP. Students are given baseline surveys based on the content they are taught in accordance with their standards. Our team, the Project Implementation Associates,

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	makes site visits and interviews instructors and students for the baseline survey. The M&E consists of collecting data on: • No. of students per Class/division. • Foundational skills for progressive improvement. • Gender segregation The principal and teachers questionnaire will be qualitative while for the students, it will be quantitative and qualitative with Focused Group Discussion (FGD). The students' quantitative tools will include: 1) Fill in the blanks. 2) Match the columns. 3) Questions and 3 options. 4) Pictorial identifications of models. The documents supporting this activity is: 1) Call sheet. 2) WhatsApp group snapshot. 3) Questionnaires 4) Notes of FDG. 5) Pictures and Videos (if possible). 6) Raw data in excel. 7) M&E report
Maintenance	The maintenance team visits the school after the 1st M&E visit. (2-3 weeks after 1st M&E visit). **The maintenance will include:** • Repairing and replacement as and when required • Re-clean the premises. **The documents supporting this activity:** • Pictures of repaired model • Pictures of replaced model • Signed report of maintenance from the Principal/Teacher
2nd Monitoring & Evaluation Visit	Generally conducted 6-8 weeks after the maintenance visit. **Qualitative:** Students will be asked about their actual usage in class and MSC as par of FGD and IDI (In-depth Interview) lead questions. The second M&E visit follows the same procedure as the first M&E visit. The data will be gathered in the second set of questionnaires, which will be prepared and the second M&E will be the baseline for the first year.

Expected outcome of the program:

i. Aptitude of students for learning science and mathematics improved by creating a simple, child friendly eco system which is fun and enjoyable.
ii. Empowering teachers with easy teaching aids.
iii. Improve teaching pedagogy by use of models in conducting the science and math class through better engagement of teachers in teaching.
iv. Increased enrollment and interest in STEM-related courses in school.
v. Continued participation in STEM programming.
vi. Increased self-confidence in tackling science & Maths classes and projects.
vii. Shift in attitude about careers in STEM.

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viii. Increased test scores as compared to non-participants.
ix. Increased general knowledge of science & math's-based concepts.
x. Gains in 21st century skills, including communication, teamwork, and analytical thinking.
xi. Higher likelihood of graduation and pursuing a STEM career.

Timeline of the project:

PO & Contract Confirmation	School Identification/ Need Assessment	Installation	1st-TTP	Monitoring & Evaluation (M & E 1st Visit)	2nd TTP	AMC/ 1st Follow up	2nd M&E/ Project Completion
1st week	Within 2 -3 weeks from PO.	3-weeks from school identification & closure.	15 to 20 Days from installation	20 to 25 weeks from Installation	15-20 Days from 1st Follow - up	45 days from 1st TTP	35th to 40th week from Installation

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Logical Framework Analysis

Input	Output	Outcome	Measurement indicators	Timelines (Quarterly)	Risks Vs Mitigation
School Identification	• Identifying government schools from areas of deficit	• An intervention plan will be created. • Meeting with school principal for formal MSC introduction and benefit for students	• Receiving list of schools from DEO • Visiting government schools • Well drafted intervention plan introduced to school • Receive Installation Approval letter from school	1st quarter	• Inter-state and city travel, risk of covid-19 infection • Multiple visits to schools and getting permission
Baseline survey	• A thorough knowledge about various conditions, needs and its intervention for school.	• to understand problem & need by gathering information on the status quo of the school	• Preparing baseline question tool • Visit by PIA to conduct baseline survey on student and teachers • Identify 1 room for MSC installation • Baseline report created with analysis	1st quarter	
MSC installation	• MSC installation in room of 80 models with 37 back-drops and manuals in regional language	• To provide hands- on experience for learning/teaching Science and Mathematics for Class 5 through 10. • Maximize Learning experience through practical approach • Explains 150 + concepts with depth clarity	• Install tables and 80 plugs • Transport 80 models to school • MSC models testing and function check • Inauguration of MSC with Clients, BD and PIA	1st Quarter	• Long distance travel with MSC models transport from warehouse

Views

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Teacher Training Program - TTP	• Call and TTP scheduling by PIA • Training Through PPT of MSC models • Benefits • Best usage • Maximum utilization • Models & concepts it explains in simpler way • Benefits & takeaway of MSC will be highlighted • Question – answer and queries will be resolved	• Teachers empowered with innovative teaching aids • Teaching time reduced to 50-60% • Complex concepts taught easily • Active engagement of students in class • Replace rote-based learning to practical-based approach for sustainable knowledge	• TTP will be scheduled • TTP with PPT will be conducted • Feedback & suggestion from teachers • TTP report created for documentation	1st quarter	• **Risk:** Absentees • **Mitigation:** Constant update of MSC benefit will be communicated.
MSC-Maintenance	• PIA along with MSC technical person, free	• Continuous and Maximum	• Quality check of MSC by Team technician	3rd quarter	

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	a maintenance drive is conducted. • Aim: Learning shouldn't stop, student can use MSC independently	utilization of MSC for sustainable use	• Repair and place if needed • Maintenance report created • MSC model utilization register maintained		
Midline Survey	Survey to understand the impact of MSC on students and teachers academic learning and teaching achievement	• By then the impact on students: - explore their talents, apply theory knowledge to practice, gain essential skills, develop analytical & critical thinking	• Prepare midline M&E questionnaire • PIA will schedule date & time for M&E • M&E conducted with teachers and students • Report of midline report created with analysis		
Refresh Teacher Training Program - RTTP	• Improve & enhancement of teacher's skills • Teachers empowered with innovative teaching aids to explain concepts with each • Benefits & takeaway of MSC will be highlighted • Training to refresh best usage of MSC for maximum utilization	• Learning and using innovative teaching aids for quality teaching and better understanding of subjects • Reduces stress and completes syllabus on time • Class will be more interactive as students will take keen interest to learn science and math	• RTTP scheduled • RTTP with PPT will be conducted • Feedback & suggestion from teachers • TTP report created for documentation	3rd quarter	

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MSC - Monitoring & Evaluation	• To understand student's needs and improvement for Opportunities & innovative ideas for maximum learning.	• Students will be confident and empowered through new skills gained. • Reduced future academic anxiety. • Opportunities to explore one's potential Peer to peer learning and support	• Google form for M&E • Qualitative feedback through interview. • Quantitative data analysis	4th quarter	
Client Visit to MSC established school	• Coordinate and arrange visit to client's CSR funded school	• The client will witness themselves the impact created through MSC installation • Transformation in skills knowledge and self-confidence	• Annual Report • Annual PPT • Videos of impact and students' achievement – Client wise & School wise	1rd and 4th quarter	

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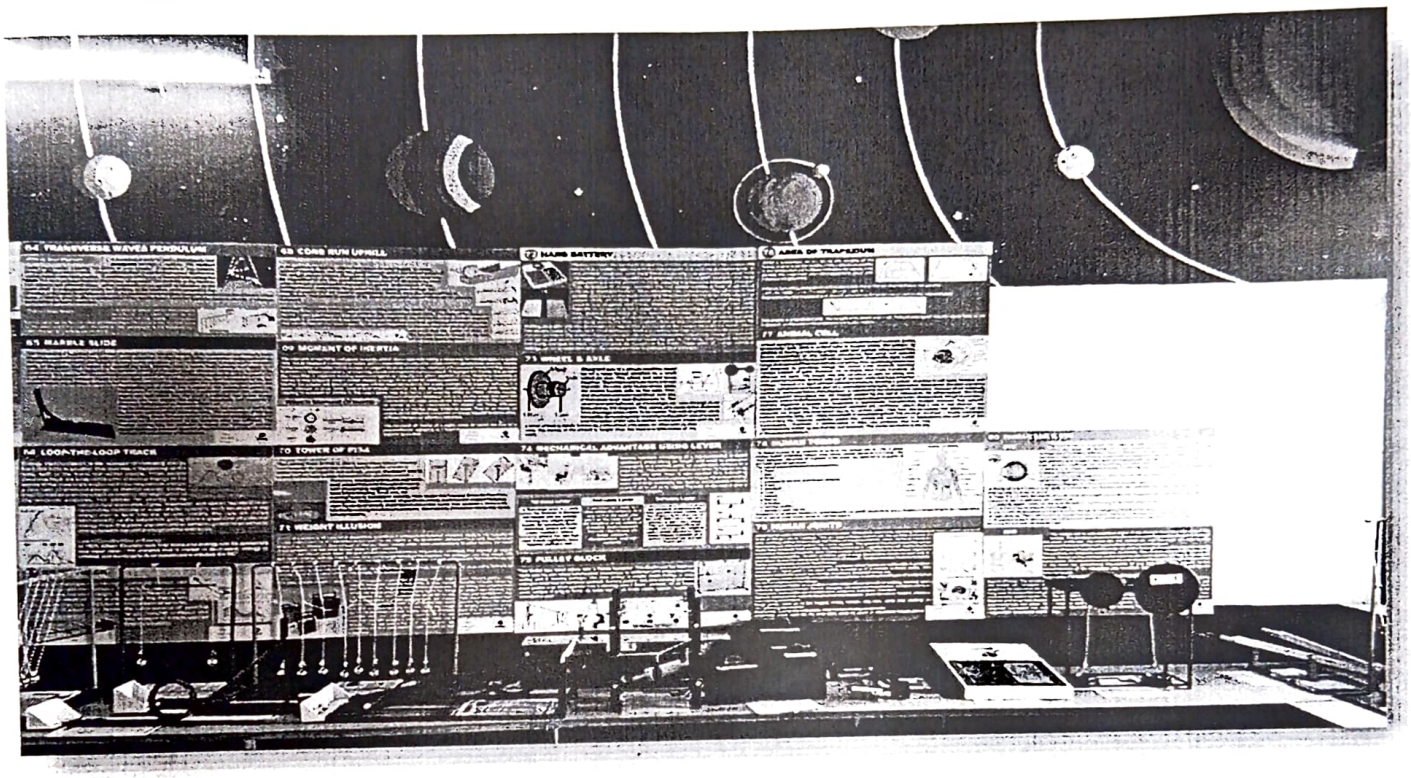
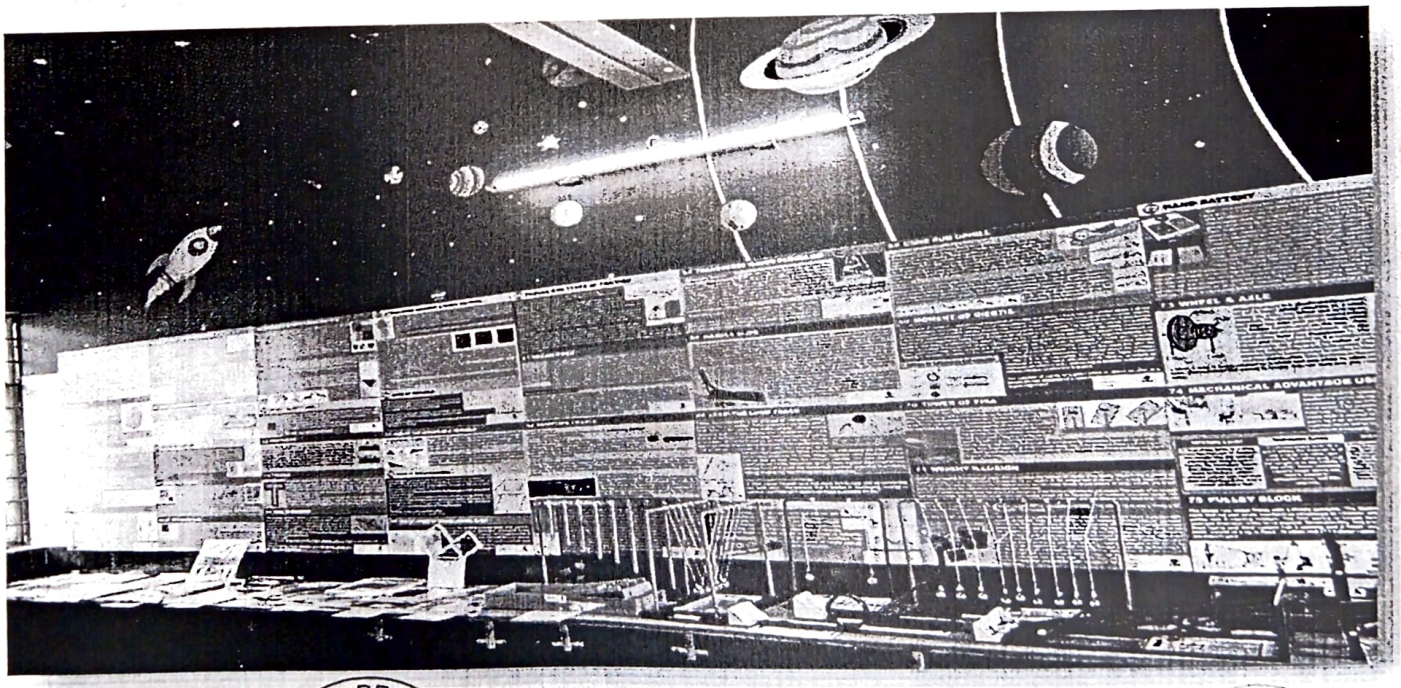
Mini Science Centre:





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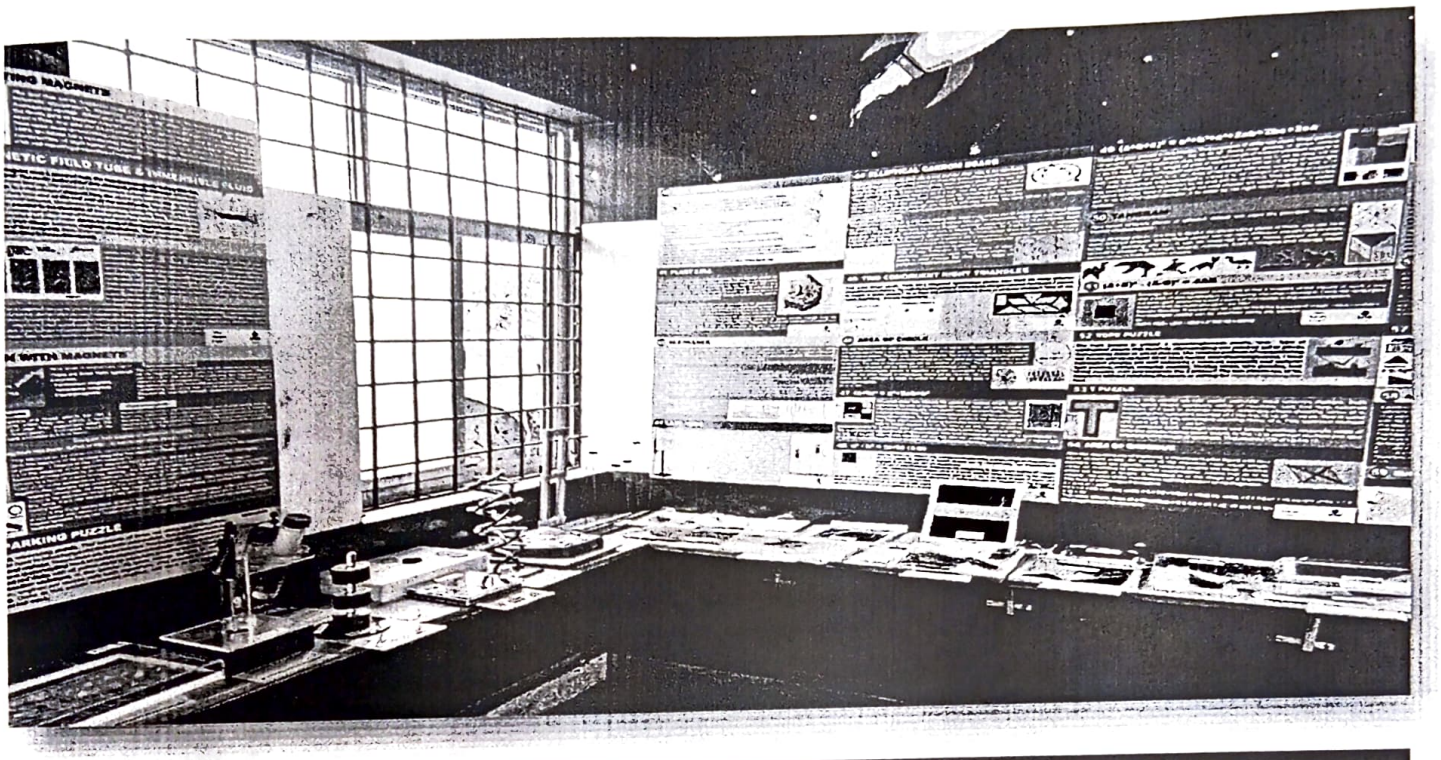

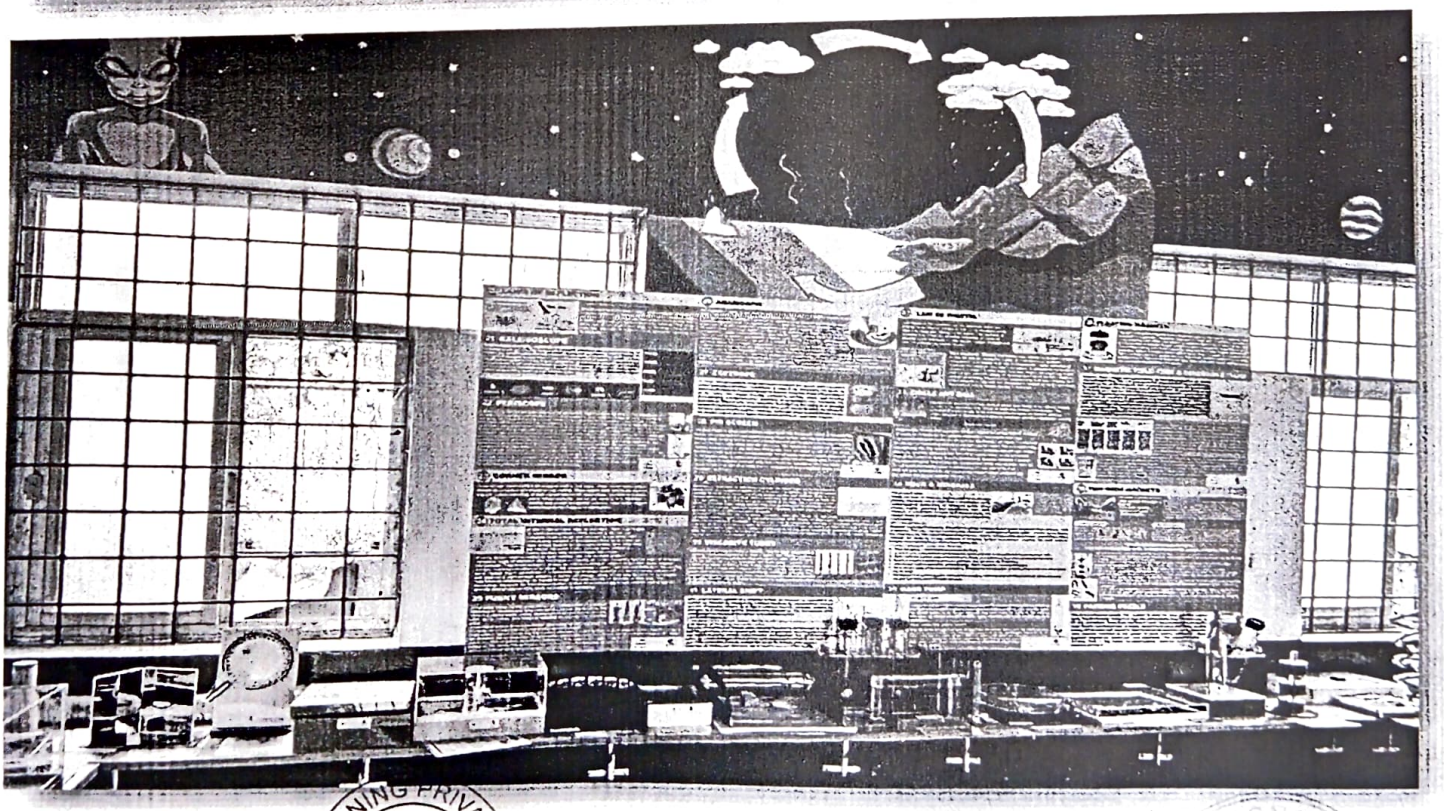

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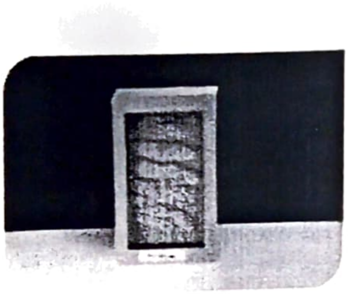
<u>Some of Our MSC Models:</u>

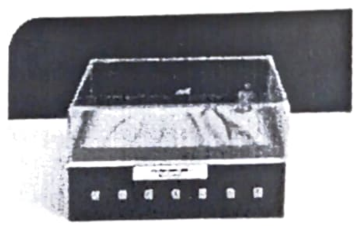
$(a+b)^2 = a^2 + 2ab + b^2$

Floating Magnets

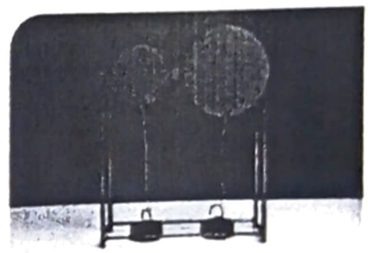
Pythagoras



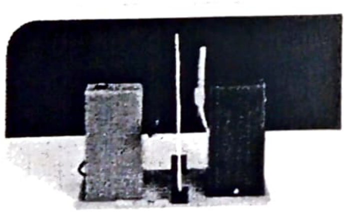
Pin Screen



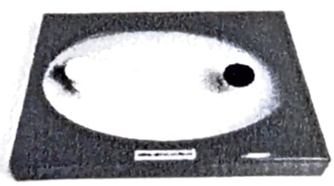
Conductors-and-insulators



Wheel-and-axel



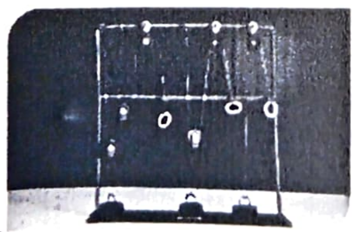
Windmill



Elliptical Carrom Board

Lever

Tangram



Pulley Block

Area of Rhombus

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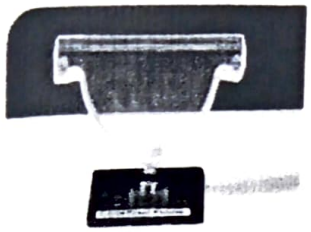
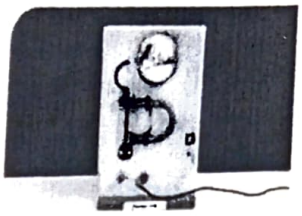
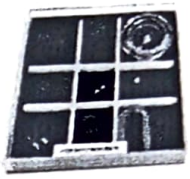


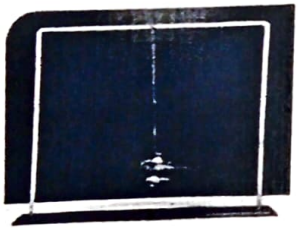
Centrifuge-Puzzle



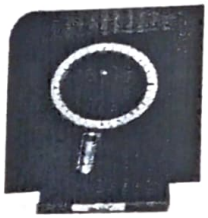
Electric Bell



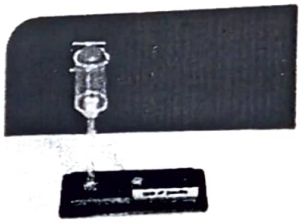
Fun with Magnets



Gyroscope



Total Internal Reflection



Law of Inertia

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STEM
Building Brains... Beyond Books

Outcomes/Result expected:

- Improvement of aptitude of the students in regards to science and mathematics.
- Development of inquisitiveness, critical thinking, problem solving skills and creativity of students.
- Enhancing the skills of teachers by training them to teach in a practical manner.
- Improve teaching pedagogy by use of models in conducting the science and math class through better engagement of teachers in teaching.
- Strengthening of concepts of Science and Mathematics.

Project Location: Ghaziabad Uttar Pradesh, Pathredi Rajasthan

Conclusion:

As the famous saying goes, "It is greater to work to educate a child, in the true and large sense of the world, than to rule a state." The real empowerment of a country lies in the hands of the children. There cannot be any weapon bigger than education to empower the country. STEM education plays an important role as it pervades every aspect of life.

Our STEM Centre, provides a more practical based learning and teaching style of Science and mathematics concept. This would equip the students with better clarity on the application of difficult concepts of Science and mathematics in their syllabus. The clarity of concepts would enable the students to think critically, analyze and explore new horizons which would eventually benefit the society. The following are the benefits of STEM Centre:

Capacity Building of Teachers: MSC enables teachers to explain all the Mathematics, Physics and Science concepts in a more effective manner. It saves the teaching time by 50% which means the increase in productivity of the teachers in school.

Improves the scientific temperament of students: Instead of reading from books and listening to teachers, MSCs Plug & Play models involve the students in the teaching process which ignites the students' inquisitiveness and also provide better clarity and logic about the theories.

Encourages Innovation: STEM Centre boost the confidence among the students by educating them with science and mathematics concepts. The new-found scientific temperament in them encourages them to transform their innovation into reality.

Promotes Creativity: Creativity cannot sustain without Science. Whether it is an engineer or an architect, they have to be well versed with science and mathematics theories to create a sustainable design. The knowledge of STEM will allow the creative to use the material and space effectively.

STEM LEARNING PRIVATE LIMITED MUMBAI

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STEM

Building Smarts... Beyond Books

Outcomes/Result expected:

- Improvement of aptitude of the students in regards to science and mathematics
- Development of inquisitiveness, critical thinking, problem solving skills and creativity of students
- Enhancing the skills of teachers by training them to teach in a practical manner
- Improve teaching pedagogy by use of models in conducting the science and math class through better engagement of teachers in teaching
- Strengthening of concepts of Science and Mathematics

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SWOT Analysis:

STRENGTHS (Internal factors)	WEAKNESS(Internal factors)
✓ Timely setup of MSC. ✓ 80 Models & backdrops aligned with curriculum. ✓ Structured TTP. ✓ Planned Follow-up M&E Process. ✓ WhatsApp Group for better connectivity & response. ✓ Vibrant Volunteer engagement programs.	✓ Probable delay in delivery in models for MSC.
STRENGTHS (EXTERNAL FACTORS)	**WEAKNESS(EXTERNAL FACTOR)**
✓ Only structured program that has been certified by 7 SCERTS aligning with the educational curriculum. ✓ Trust of more than 150 donors. ✓ Successfully implemented Program Pan India in 24 states in more than 2000 schools.	School withdrawal or no support. Non-Availability for training on scheduled dates.
OPPORTUNITY(INTERNAL FACTORS).	**THREAT (INTERNAL FACTORS).**
✓ Constantly upgrading its process and offerings. ✓ Constant development of new modules.	✓ None, as the organization is managed by professionals and overseen daily by its Founder and MD.
OPPORTUNITY(EXTERNAL FACTORS)	**THREAT (EXTERNAL FACTORS).**
✓ To constantly improve our TTP and M&E by learning, experience and donor value addition.	Probably non acceptance of additional responsibility by school administration. Probable delay in taking ownership beyond the project period.

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Budget is valid for 60 days.

The budget is for 4 MSC for 4 schools for 1Year					
SR.NO	ITEM	DESCRIPTION	COST	NOS OF SCHOOLS	TOTAL
1	MINI SCIENCE CENTRE	80 MODELS + 80 USERS PLACARD+ 37 COLOURFUL BACKGROUNDS + 1 SAFETY PLACARD + 1 TEACHERS MANUAL+ 1 GATE BANNER INCLUDES INSTALLATION & DELIVERY	3,29,500	4	13,18,000
		TAXES @ 18%	59,310		2,37,240.0
		TOTAL	3,88,810.0	4	15,55,240.0
2	TRAINING OF TEACHERS (TTP)	TEACHERS TRAINING PROGRAMME -2 (FRESHER TEACHERS TRAINING PROGRAMME - FTTP & REFRESHERS TEACHERS TRAINING PROGRAMME - RTTP)	40,000	4	1,60,000
		TAXES @18%	7200		28,800
		TOTAL	47,200	4	1,88,800
3	MONITORING & EVALUATION	TOTAL - 2 VISITS IN INDIVIDUAL SCHOOLSTO CONDUCT BASELINE & ENDLINE SURVEY	40,000	4	1,60,000
		TAXES @ 18%	7200		28,800
		TOTAL	47,200	4	1,88,800
4	ANNUAL MAINTENANCE CONTRACT	CLEANING SERVICING & IF REPLACEMENT (if any)	40,000	4	1,60,000
		TAXES @ 18% (cost applicable from second year)	7,200		28,800
		TOTAL	47,200	4	0
5	INFRASTRUCTURE	SET UP OF PLATFORMS & ELECTRIC CONNECTIONS	40,000	4	1,60,000
		TAXES @18%	7,200		28,800
		TOTAL	47,200	4	1,88,800
		TOTAL (1+2+3+5)	**5,30,410.0**	**4**	**21,21,640.0**
		NET COST FOR PER SCHOOLS (1+2+3+5)	**4,49,500**	4	**17,98,000**
		GST@18%	**80,910.0**	4	**3,23,640.0**
		TOTAL COST INCLUDING GST	**5,30,410.0**	4	**21,21,640.0**

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STEM LEARNING PRIVATE LIMITED MUMBAI

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ANNEXURE A
DETAILS OF CONSIDERATION

MINI SCIENCE CENTRE - STEM Learning

Sl. No.	Component	Inclusions	Qty	Cost Per Lab	GST 18%	Grand Total (for 4 schools)
1	**Mini Science Center**	80 models + 80 users Placard + 37 colourful backgrounds + 1 Safety Placard + 1 Teachers' Manual + 1 Gate Banner. Includes installation and delivery, HR Support , Trainings and monitoring / evaluation as detailed at Annexure A of this MOU.	4	₹ 4,51,949	₹ 81,351	₹ 21,33,200

INR Twenty One Lakhs Thirty Three Thousand and Two Hundred Only (inclusive of GST)

PAYMENT TERMS:

1. 40% payment on signing the -Service Agreement.
2. 30% payment on completion of Installation.
3. 20% Payment on completion of 1st Teacher's Training (FTTP).
4. 10% in March 2025 including 2nd evaluation's being complete

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THANK YOU

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