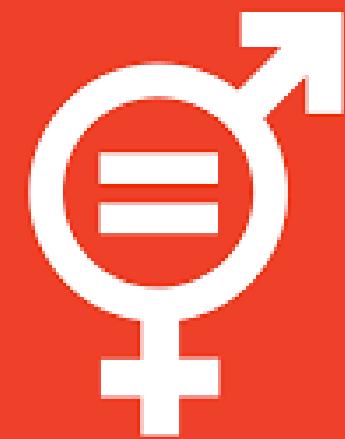


# STEM FOR SUPER GIRLS

5 GENDER  
EQUALITY



Pitch  
Deck

2024



## PROBLEM

### Meet Juthi Rani: A Rising Star ✨

From an underprivileged community, Juthi defied odds by participating in Children Science Congress, Prodigy Project, and Inter School Science Competition.

The future seemed limitless – Scientist, Doctor, Engineer, Mathematician, Chemist?



Yet, circumstances beyond her control led her to choose Arts as her Major in SSC.

Juthi's journey reflects the untapped potential in every child.

## REASONS BEHIND LESS WOMEN IN STEM



### Global Gender Disparity

- Stark underrepresentation of girls and women in STEM disciplines worldwide.
- Rooted in social biases, norms, and limited access to quality education.

### Systemic Exclusion

- Traditional norms dictate gender roles, exacerbating the gender gap.
- Results in a loss of potential talent and diversity in the STEM workforce.
- Girls face obstacles from cultural stereotypes to inadequate resources.



**14%**

**Women are involved in STEM**



### Educational System Challenges

- Failure to foster critical thinking skills and inclusivity, especially for girls.
- Recognizing the need for comprehensive solutions to address these challenges.

### Profound Consequences

- Individual girls miss out on valuable educational and career opportunities.
- Society loses diverse talents and perspectives in the STEM landscape.

**SOLUTION:**



## OUR INTRODUCTION

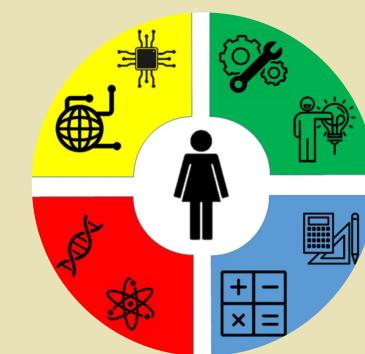
Empowering  
Girls in STEM

**STEM for Super Girls** is a youth-led initiative established to promote STEM (Science, Technology, Engineering, Mathematics) education in Bangladesh.

**STEM for Super Girls** is trying to envision the dream of extending science knowledge and practice in every nook and corner of Bangladesh, particularly in the education field.



**STEM for  
Super Girls**



# OUR SERVICE

We are planning for a online afterschool program designed to enhance the STEM (Science, Technology, Engineering, and Mathematics) education of elementary students in Bangladesh. Our program leverages a unique cohort-based approach, offering classes in coding, scratch, programming, math, biology, and more. Students progress through three grades – Beginner, Intermediate, and Advanced – with each cohort focusing on a distinct skill-based subject area. Our platform is not only student-centric but actively involves parents or guardians, fostering a collaborative learning environment.

**Enrollment for Cohort - > Online forum - >  
Parental involvement - > Extra Credit Online  
Courses - > Progress Tracking & Assessments -- >  
Continuous Improvement & Feedback**

# Business Model Canvas

Key Partners	Key Activities	Value Proposition	Beneficiaries Relationships	Beneficiary Segments
<ul style="list-style-type: none"> <li>Educational institutions and schools.</li> <li>NGOs focused on girls' education.</li> <li>Corporate sponsors supporting STEM initiatives.</li> <li>Government education departments</li> </ul>	<ul style="list-style-type: none"> <li>Curriculum development and updates.</li> <li>Online Learning.</li> <li>Offline training sessions organization.</li> <li>Educator training and support.</li> <li>Marketing and community engagement.</li> </ul>	<ul style="list-style-type: none"> <li>Holistic STEM education for girls.</li> <li>Bridging the gender gap in STEM.</li> <li>Online accessibility to quality STEM courses.</li> <li>Inclusive offline training sessions and hands-on experiences.</li> <li>Professional development and resources for STEM educators</li> </ul>	<ul style="list-style-type: none"> <li>Engaging and supportive online learning community.</li> <li>Personalized assistance for educators.</li> <li>Continuous feedback loop for curriculum improvement.</li> <li>Regular communication through social media and newsletters.</li> </ul>	<ul style="list-style-type: none"> <li>Girls in various communities (elementary to high school age).</li> <li>Educators and instructors in STEM.</li> <li>Parents</li> </ul>
8	6	2	3	1
Key Resources	Channels	Funding Streams	Cost Structure	
<ul style="list-style-type: none"> <li>Online platform and technology infrastructure.</li> <li>Curriculum development team.</li> <li>Trained instructors and mentors.</li> <li>Marketing and outreach team.</li> </ul>	<ul style="list-style-type: none"> <li>Online platform</li> <li>Offline training sessions</li> <li>Collaboration with schools, community centers, and NGOs.</li> <li>Social media and community outreach programs.</li> </ul>	<ul style="list-style-type: none"> <li>Grant and Seed Funding, Partnerships with NGOs, Community Support and Donations</li> <li>Paid Collaborations with Educational Institutions</li> <li>Workshops and Training Programs for Educators</li> <li>Sponsorship for Offline Events</li> <li>Sales of STEM Educational Gadgets, Kits and Tools</li> <li>Subscription Model for Premium Online Content</li> <li>Corporate Sponsorships</li> </ul>	<ul style="list-style-type: none"> <li>Learning Materials, Course and related resources development.</li> <li>Child friendly fun STEM kits and toys development.</li> <li>Educator training and support costs.</li> <li>Marketing and outreach expenses.</li> <li>Administrative and operational costs.</li> </ul>	9
7	4	5		

# SOME PICTURES FROM OUR EVENTS



**STEM Camp for female  
students of K M Bashir Govt.  
Primary School**

**Workshop on programming  
and Makey Makey at Abinta  
Kabir Foundation School!**

**STEM Camp for students of  
Nurjahan Begum High School,  
Ganaktuli Govt. Primary School  
and Rahmatullah High School.**

# SOME PICTURES FROM OUR EVENTS



Team meeting and experimenting before STEM workshop

Meeting with Principal of Moneswar Govt. Primary School for future collaboration

Empowering high school students through engaging STEM learning sessions in collaboration with EMK Center

## COMPETITION

- StemonBD
- Cybernetics Robo
- STEM Lab
- STEM Club by ANTT Robotics

## OUR COMPETITIVE ADVANTAGE

- Our specialization in Curriculum and Pedagogy
- Context-based teaching and work experience of team members
- Our passion for changing the discriminational landscape

## TIMELINE

<b>1st - 2nd Month</b>	<ul style="list-style-type: none"><li>- Getting Registration from an Authorized body</li><li>- Finalizing Curriculum Module for Online and Offline courses- Design for iteration 1</li></ul>
<b>3rd - 4th Month</b>	<p><b>Preparing the platform (Online-Cohort Production)</b></p> <p><b>Supplementary Course production,</b></p> <p><b>Finalizing offline setup</b></p>
<b>5th- 6th Month</b>	<p><b>Promotion, Demo Run</b></p>
<b>7th- 9th Month</b>	<ul style="list-style-type: none"><li>-1st Cohort Launching in online module.</li><li>- Minimum 3 courses in the platform</li><li>- 3 Tech-embedded sessions in offline setup</li></ul>
<b>10th- 12th Month</b>	<ul style="list-style-type: none"><li>-Testing for Iteration 1 and re-Design the process if necessary</li><li>- Impact Research and Development</li><li>- 2nd Cohort Launching in online module.</li><li>- Minimum 1 course in the platform</li><li>- 2 Tech embedded sessions in offline setup</li></ul>

# THE TEAM



**Shamsun  
Nahar**

Lead, Administration and  
Talent Development

Software Engineer, Brandcloud  
Navigator, Asia Europe  
Foundation



**Mohammad Mesbah  
Uddin Hasib**

Lead, Partnership  
Development and Finance

Partnership and sales manager,  
Cholpori



**Debanjana  
Saha**

Lead, Training and skills  
Development

Software Engineer, Ecologyx



**Asif  
Amer**

Lead, Product and  
curriculum development

Ex-fellow, Teach for Bangladesh  
Development Practitioner



**Amit  
Saha**

Lead, Volunteer and Learning  
Experience Management

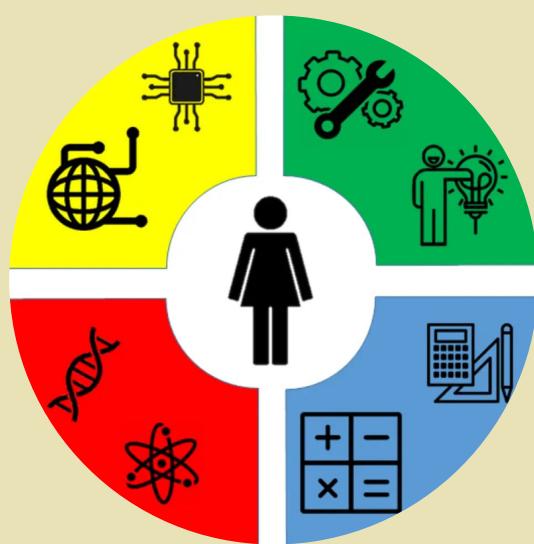
Teacher for neurodivergent  
students  
Student, DIU

**From this incubation and post-incubation round we are expecting**

- **Incubation support**
- **Networking**
- **12-month financial support to expand the operation and product line Development**



# ORANGE CORNERS



**CONTACT**



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