



**AN INITIATIVE TO IMPROVE EDUCATION AND CAREER
PATHWAYS FOR GIRLS IN SCHOOLS**

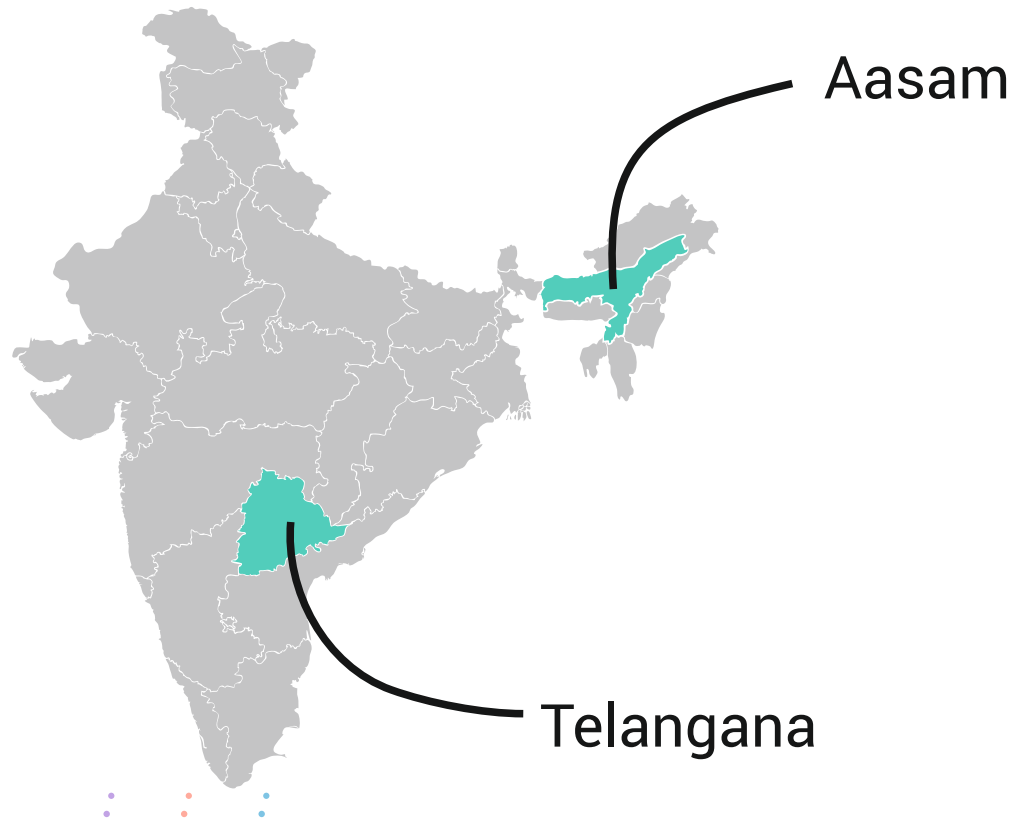
Supported by IBM and Quest Alliance



Implementation Partner



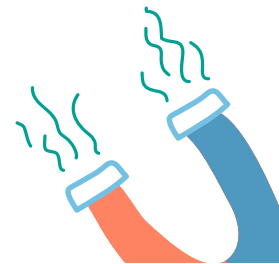
LOCATIONS



2 STATES

.....
26 DISTRICTS

.....
154 SCHOOLS



BENEFICIARIES

$$E=mc^2$$



21000
Girls Student
Beneficiaries

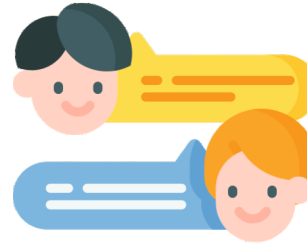


3600
Boys Student
Beneficiaries

ACTIVITIES



**STEM
Teaching**



**Role Model
Interaction**



**Parents
Meet**



**Stakeholder
Meeting**



**STEM
Club**

ASSAM

Districts:

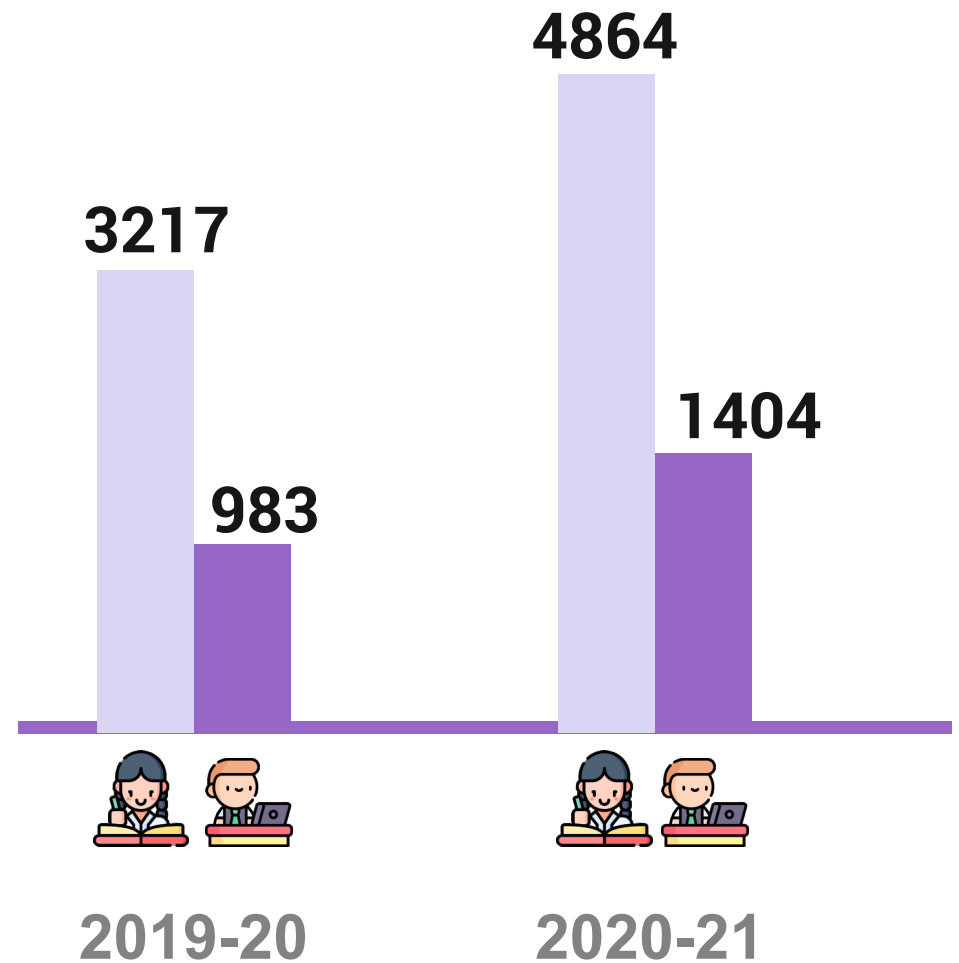
Nagaon, Moregaon,
Kamrup & Barpeta

Schools covered

63

Students reached

6268



4200 students were benefited in 2019-20, however 6268 students were benefited in 2020-21 in all 63 government schools across the 4 districts of Assam

TELANGANA

Districts:

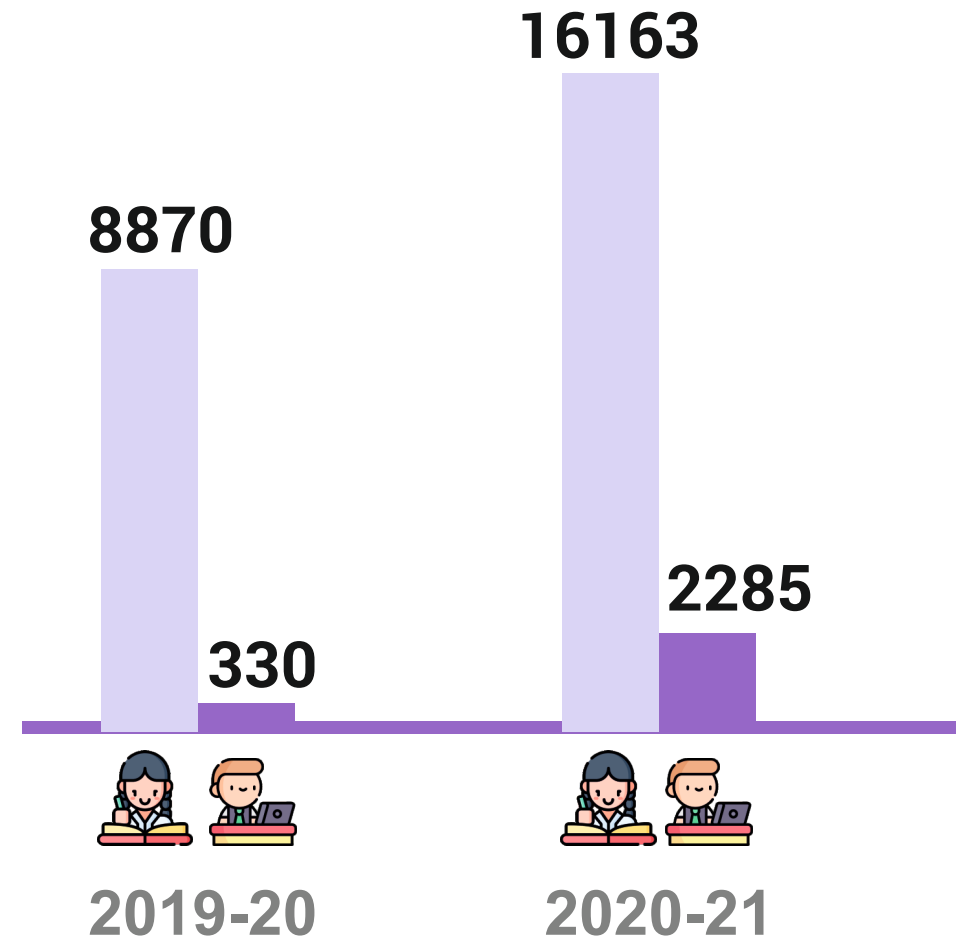
Adilabad, Bhadradi (kothagudem), Jayashankar (bhupalapally), Kamareddy, Karimnagar, Khammam, Mahabubabad, Mancherial, Medak, Nagarkurnool, Nalgonda, Nirmal, Nizamabad, Peddapalli, Siddipet, Rajanna (sircilla), Rangareddy, Sangareddy, Suryapet, Vikarabad, Wanaparthy, Warangal rural

Schools covered

90

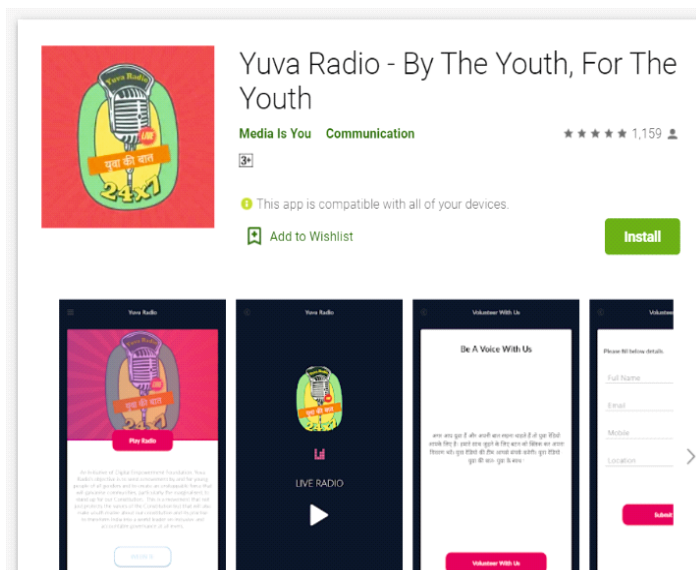
Students reached

18448



We had benefited 18448 students in 90 government schools all across the 22 districts of Telangana and empowered with digital literacy skills under STEM education between 2019-2021.

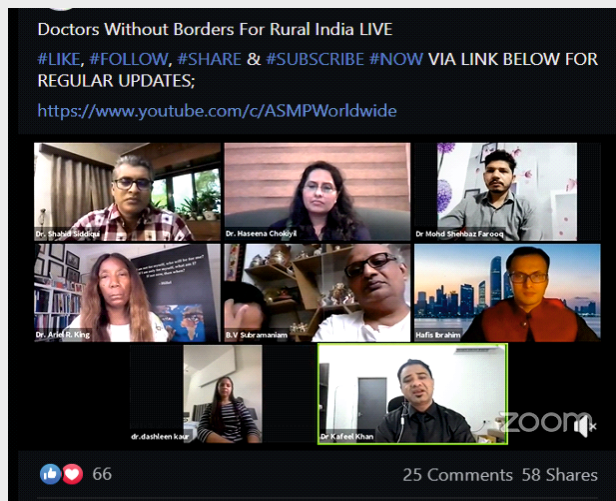
INNOVATION & OUTREACH



YUVA RADIO: BY THE YOUTH FOR THE YOUTH (A WEB RADIO CALSS INITIATIVE)

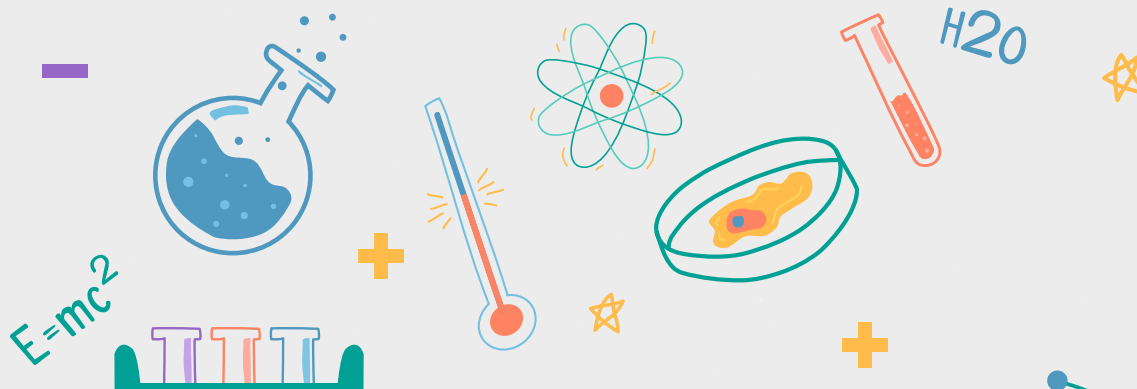
Yuva Radio played a pivotal role in the STEM project that changes the method of teaching and take it to another level. With the help of Yuva Radio, we delivered our classroom sessions through radio classes that mean the sessions which our facilitators give to the student in the classroom or through WhatsApp/phone call/IVRS is now enabling students to conduct classes on Radio also by the record it and run on the radio. Through YUVA RADIO, we reached 2868 students and other fellow listeners from not only Indian states like Assam and Telangana but also the states of other countries like Nigeria, Ivory Coast, Sudan, Maldives and Saudi Arabia.

INNOVATION & OUTREACH

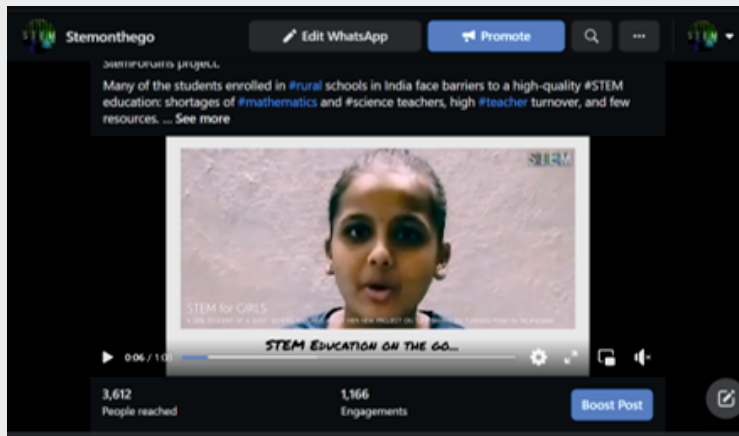


Doctors Without Borders: A Live Consultation with Doctors during lockdown due to Corona Pandemic

During lockdown period DEF initiated a series of 'Doctors Without Borders' to reach student's family in crisis (covid affected) under STEM for Girls project where a group of doctors and public health experts had been approached for live discussion and consultation with the project beneficiaries such as families, relatives, friends and neighbour to provide them information regarding on Covid treatment. This initiative helped to clear their doubts online it as it was harder for village patients to access treatment as the second wave pushed India's coronavirus cases at it's peak



INNOVATION & OUTREACH

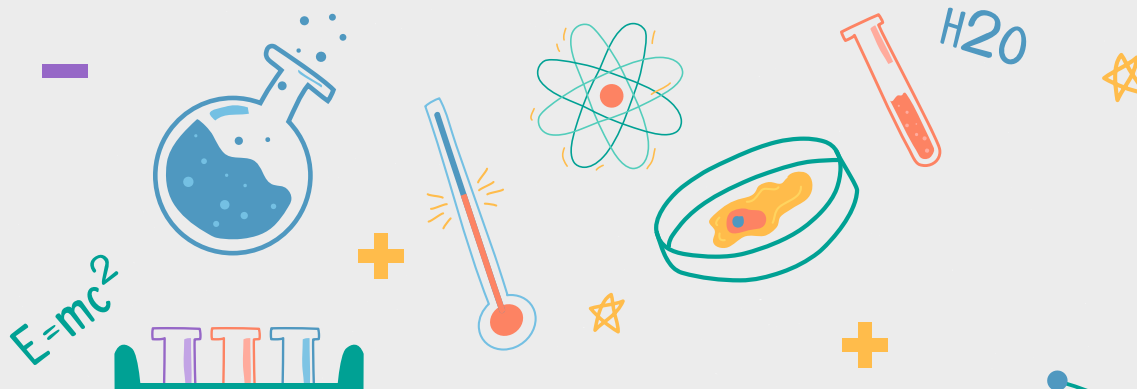


STEMonthego: Social Media Page (FACEBOOK) for Student Innovators

Stemonthego is a social media page which contains over 2500 innovative followers under 'STEM for Girls' project to share and bring fellow students a natural sense of innovation, improve scientific skills and curiosity. Students can explore their knowledge in science, technology, engineering, and mathematics with their innovations through the Stemonthego platform that to be useful to society.

Doing science projects helps students' resourcefulness, particularly their skills at goal-setting, planning, and problem-solving. It also nurtures intellectual curiosity, helping children acquire new ways of asking questions and understanding the world. Here students display different types of science project and experiments.

STEMonthego platform help students increase their scientific temperament and enables them as next generation of innovators. Innovation leads to new products and processes that sustain our economy. This innovation and science literacy depends on a solid knowledge base in the STEM areas.



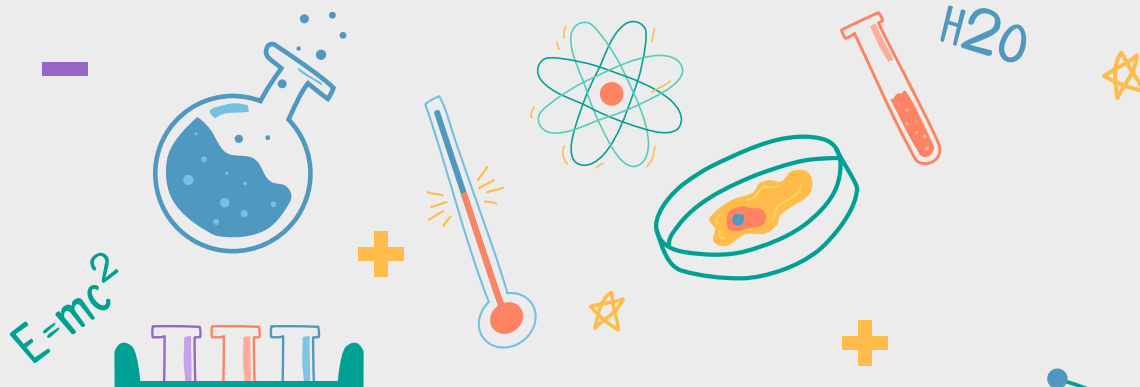
TESTIMONIALS

Life Changing Experience

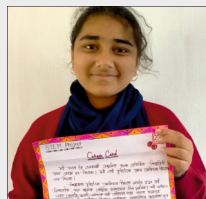


"I'm Ahmed Afreen working as a facilitator in TSWRS Atmakur, Duggondi, Parvathagiri from DEF organization. This is my second experience first I worked as a teacher now here I worked as a facilitator. It was excellent experience for me to teach rural adolescent girls and teachers under SFG project. In this the students get knowledge out of their boundaries. Like, about their self who they are, what they want become what their interest and ability and how would be their communication with a group of people, what career choices they have and how gender equality will influence on their career dreams etc.

Not only the students even I learned and practice life skills and the mind set of adolescents. Mostly when I am engaged students towards their career spontaneously, I recognize what my career and I planned for that. As a part of this project, I participate many roles like CRP and Task force when I work with master trainers then I learned how to plan a session perfectly and how much time should give each topic of the session. Now I can able to plan and take a master session for heart to DEF organization for introducing such a wonderful project and make me as a part."



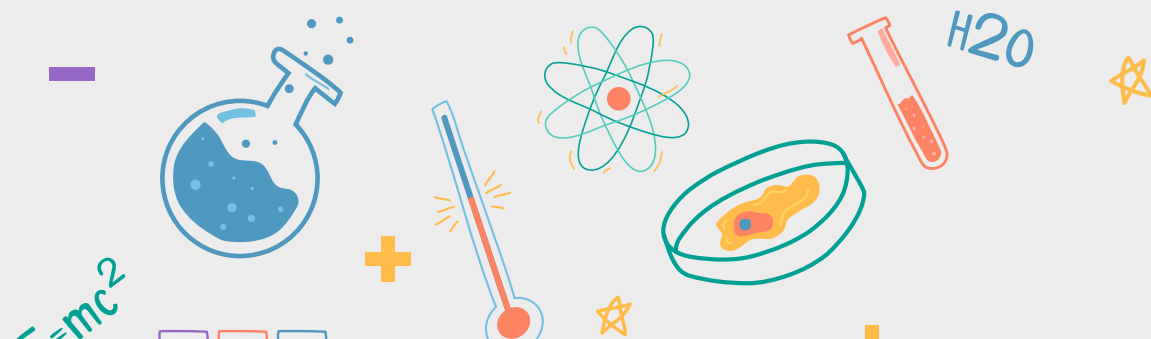
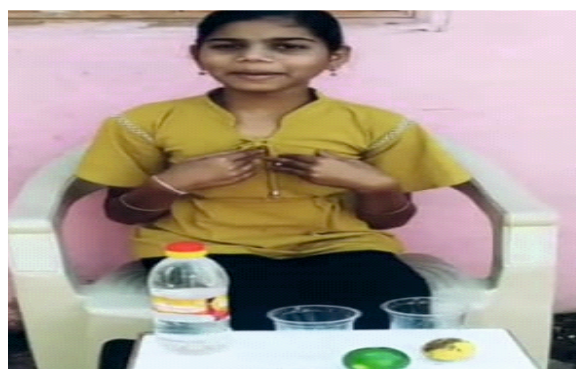
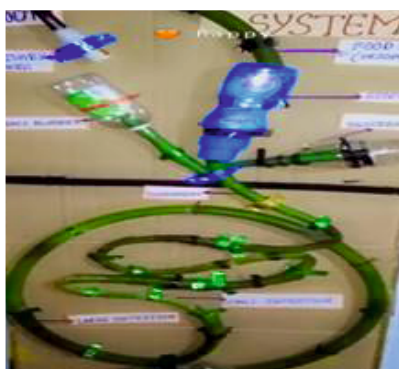
TESTIMONIALS



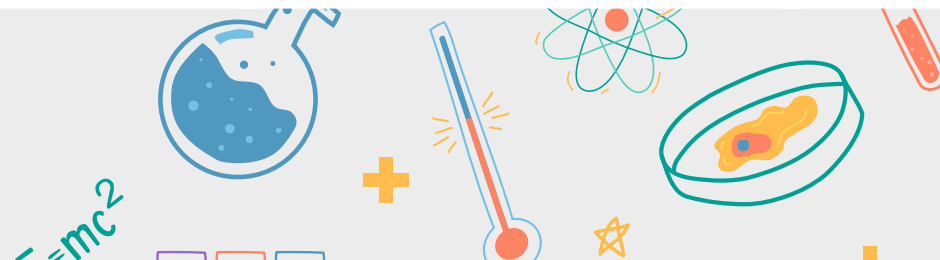
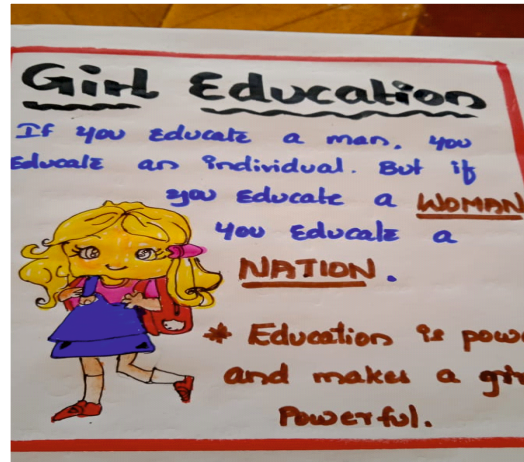
Student Name : **Geetumani Das**
 School Name : **Jharobari Anchalik High School**
 Class : **IX**
 Facilitator Name : **Naba Sarma**
 NGO : **Digital Empowerment Foundation**

Brief	<ul style="list-style-type: none"> This is a case study of Geetumani Das, a student of Jharobari Anchalik High School, studying in class IX. Here, in this case study, we will get to know about her mental state before SFG, and how did her mental state change after 1 year of engaging with SFG.
Context/ Background	<ul style="list-style-type: none"> Geetumani is a good and brilliant student of her school, her father died at his young age and her mother raised her after suffering a lot. Geetumani wants to pursue higher education in science stream and become a professor. Geetumani's family is an economically challenged family. Lately, she was not able to give concentrate in her class as usual. What was the reason for that? I observed and came to know that her mother could not afford to her further education. Their mental state became very bad. Then I explained the Geetumani and her mother together. I tried to bring the STEM mentality of those people and gave courage to fight against the circumstances.
Evaluation	<ul style="list-style-type: none"> After meeting her mother, I came to know that she is an educated women and she wanted Geetumani to help her family along with her in order to survive. This was the prime reason of taking the decision to stop Geetumani;s education. I have provided her every information of the objectives of the project STEM for Girls and made her believe that after a few years of struggle and sacrifices, Geetumani can take up the responsibility of her whole family once she achieves her goal.
Impact/ Solutions	<ul style="list-style-type: none"> Geetumani and her mother were motivated to their core and now Geetumani is able concentrating in her classes more and proving herself academically strong.
Next Steps/ Conclusion	<ul style="list-style-type: none"> Geetumani;s mother promised to support her in every way possible and give her everything that is required for the achievement of her goal.

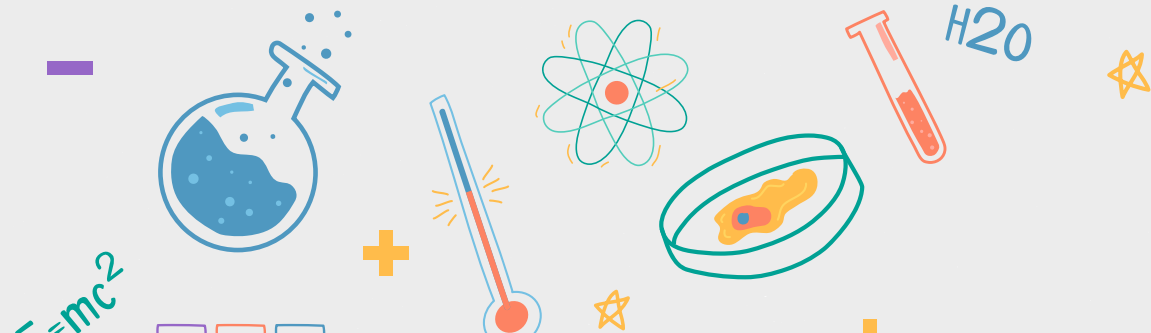
Science Experiment By Students



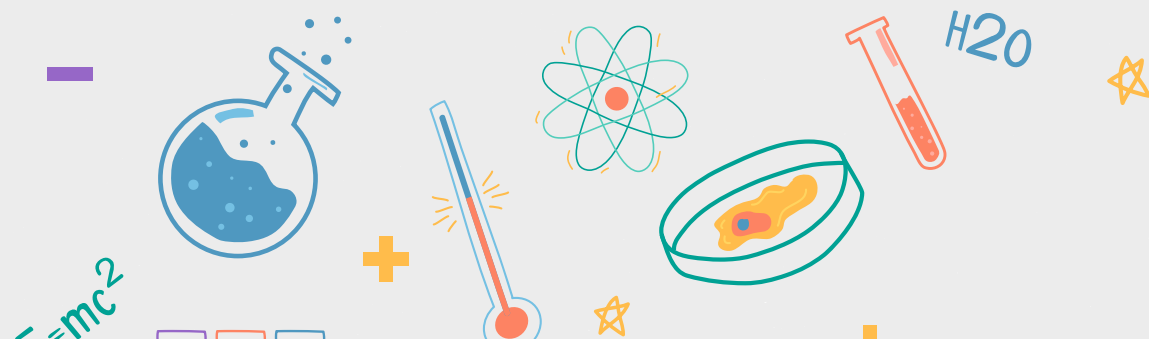
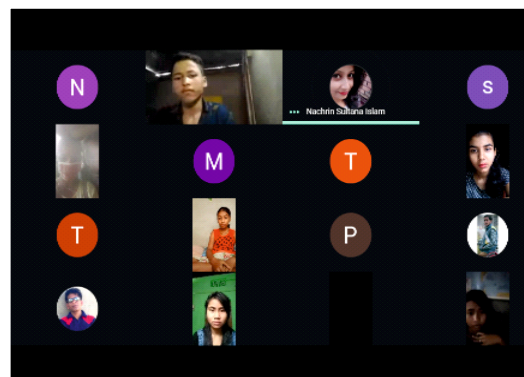
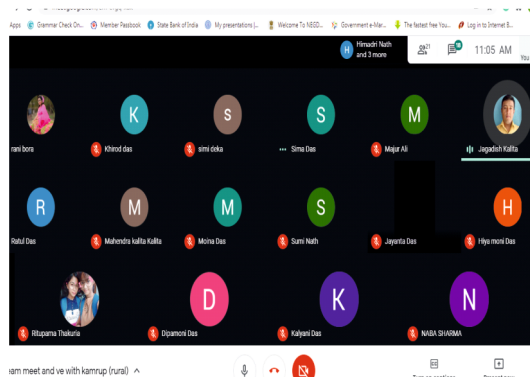
Students Artefacts



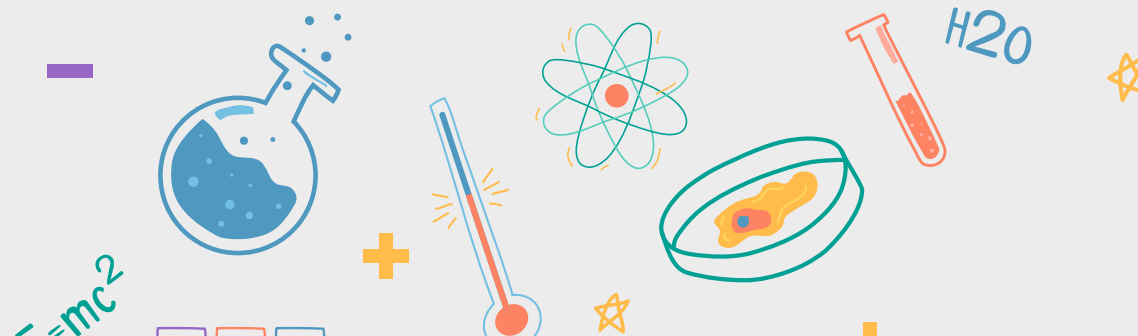
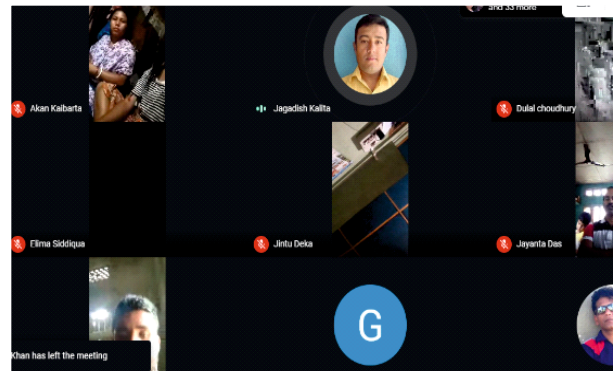
Interaction with Government Officials

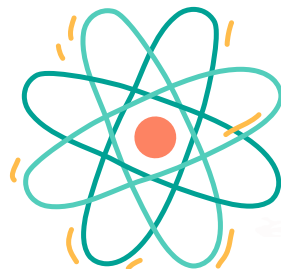
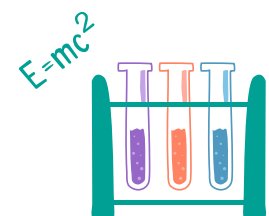
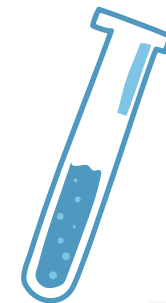
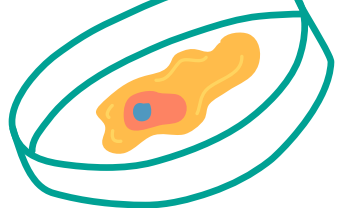
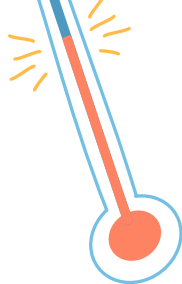


Student Engagement- Online and Offline



Parents and Teachers Engagement





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