

Highlights

- School Visit
- School Profiling
- Teacher Identification for MCT
- STEM Educator Selection
- STEM Champion Selection
- STEM Club formation
- Program introduction to HMs and teachers
- MCT course completion by fellows
- School visioning
- Infra Check

304 students reached over active engagement through STEM Club formation and 170 Teachers and HMs reached through MCT engagement across 29 districts of Assam.

School profiling

School profiling has been started to collect basic information such as teacher details, student details, SMC, SMDC, digital availability and infrastructure regarding the schools.

Teacher Identification for MCT

Three teachers from each school were identified who will undertake the app based training.

STEM EDUCATOR selection

20 STEM EDUCATOR were identified in 10 schools based on their interests and abilities to get involved in the activities related to STEM club.

MCT course with assignments by Fellows

All the fellows have participated and completed the assignments for Modules 1, 2, 3 & 6.

School visioning

School Coaches are involved in school visioning, collecting school plans, and going for meetings with HMs, teachers, SMCs.

Infra check

Infrastructural profiling is being carried out in model schools to understand the available facilities, space and resources which can be capitalized during the STEM CLUB activities.



STEM Champion

Selection and STEM CLUB formation – A democratic voting process has been conducted to elect STEM CHAMPIONS in 12 schools. The STEM Champions from multicultural backgrounds were elected which will ensure the involvement of students from different sections of society.

Introduction to HMs and Teachers

HMs were involved and made them invested in the bigger idea of creating a school ecosystem. One-to-one meeting with the HMs was conducted to build momentum toward the program.

STEM Champion selection process

Creative ways were adopted to make the selection process fair, engaging, and democratic by ensuring that all students get an equal opportunity to participate. For example, Students were provided with an old newspaper in one of our schools and were asked to create something new without cutting it. It was designed to assess students' creativity; logical mindsets were helpful to include in the club.

School visit

School Coaches visited schools to introduce and give a brief idea about the new approaches adopted under the STEM for Girls program.

Next Plan

- Teacher orientation in 12 Model Schools in Nagaon, Morigaon and Barpeta district
- District Level Teacher orientation in 29 districts
- Community Visit
- School profiling

Highlights

- **Community Visit**
- **Teacher Orientation in Model Schools**
- **School monitoring visit**
- **School Profiling**
- **Observation on school culture**
- **Study on KGBV Ecosystem**
- **MCT Teacher identification**
- **STEM Pathway**
- **Physical monitoring visits in schools.**
- **District Engagement**

- ⇒ 48 parents and 52 students touched through **community engagement**.
- ⇒ 90 Teachers and 30 HMs reached during school profiling.

Community visit

Community visits were conducted in Morigaon and Nagaon districts of Assam to increase parental engagement in their child learning.

During the visit awareness on Menstrual Hygiene was carried on involving ASHA workers from the village.

Teacher orientation

Teacher orientation has been started in Nogaon, Morigaon and Berpata districts of Assam on STEM Club in Model Schools by Akikaran Fellows (School Coaches).

School monitoring visit

The program team visited schools to monitor the school ecosystem and identify available resources in the school. The ideas on new approaches adopted under the STEM for Girls program was also discussed during the visit.



School profiling

School profiling has been started to collect basic information such as teacher details, student details, SMC, SMDC, digital availability and infrastructure regarding the schools where 90 teachers and 30 HMs were interviewed during the process.

Study on KGBV ecosystem

Akikaran Fellows (School coaches and E-tutors) have started collecting data from KGBVs across 29 districts of Assam to conduct a study on KGBV ecosystem.

School visioning

Akikaran Fellows (School Coaches) are involved in school visioning, collecting school plans, and going for meetings with HMs, teachers, SMCs members.

District engagement

Physical visits have been done by Program team to meet district officials and update them on the progress. Teacher orientation were planned in Nagaon, Morigaon, Kamrup R and Barpeta district.

Next Plan

- **Teacher orientation in Model School**
- **Student Engagement through STEM club**
- **Community Engagement**
- **School culture observation**
- **District-level teacher orientation on MCT**



Highlights

- Community Visit
- Teacher Orientation
- STEM clubs activities
- School Profiling
- Teacher Identifications
- KGBV Ecosystem
- STEM Pathway
- School Culture
- School Monitoring Visit
- Districts Engagement
- NEAID Visit
- Celebrational Visits
- Innovation

- ➔ Teachers have been identified for 98 MCT Schools.
- ➔ In 10 different schools, among 447 students' careers included in the STEM Pathway were identified for the students and there was a plan developed to assist the students.



KGBV Ecosystem

In the month of July a questionnaire was developed to access the support areas required by the KGBV Ecosystem.

School Culture

Several steps after observation were developed to implement the healthy processing of School Culture in the 3 priority districts.



School monitoring Visit

Several Monitoring Visits were conducted in schools to discuss the next steps with the HM, teachers & students.

District Engagement

Engagement sessions were conducted in Nagaon, Barpeta, Kamrup & Morigaon to discuss about the programmatic support required by the districts.



Celebrational Visit

Independence Day was celebrated in schools & at different block levels. Different activities like art competition & debate competition were held. In order to engage the creative skills of the students, a platform was provided in which they had to develop miniature art focusing on the idea of Independence.



Innovation

Teacher Learning Material has been developed by the students for the illiterate section of the community in order to enhance the idea of basic Literacy & Numeracy among the communities.



Community visit

During the community visit a total of 52 students & 48 parents were involved. This community visit was done in 6 communities in the priority districts i.e., Barpeta, Nagaon & Morigaon. The theme of the community visit was, 'Menstrual Hygiene-post flood' which was conducted by the school coaches. Along with the coaches, there was equal involvement of the ASHA workers to aware the community.

Teacher orientation

The 'Teacher Orientation', was conducted in the different Model Schools in the 3 priority districts i.e., Barpeta, Nagaon & Morigaon. This orientation was done in 12 schools by the 12 SFG fellows under NEAID who are also termed as the School Coaches. The agenda of this orientation is, 'Model School & STEM Club'. Prior selections of the STEM Educator & STEM Champion has already been done.

STEM Clubs activities

STEM Club Activities have been scheduled in 6 different schools and it has inculcated the STEM Mindset among the children in the different Model Schools in the 3 priority districts.

School Profiling

There was School Profiling done in 48 schools in the month of July, 2022. In the month of August, School Profiling has been done in 148 schools. The process of school profiling was done across 29 districts & there were specific criterion like infrastructure development, teachers' capacity & structural information for the school profiling process.

Next Plan

- District Level Teacher orientation
- RMI for Model School
- Fellow orientation on NEP 2020
- STEM club Activity in school

Highlights

- Representing North East in National Event "Quest 2 Learn"
- Community Visit
- MCT Teacher Orientation
- Teacher Credentials
- KGBV Ecosystem
- STEM Club activities
- School Culture Observation
- Districts Engagement
- Innovation

Representing North East in National Event "Quest 2 Learn"

Two students from Adarsha Vidyalaya, Ganakkuchi, Barpeta were selected as STEM Champions to represent North-East India in the national event called "Quest 2 Learn" which was held in Bengaluru. These students had developed a project with a strategy for the 'illiterate women from remote villages to make them self-reliant to be able to avail their formal rights'.

Community Visit

Community visits have been done by the School Coaches in 6 rural villages of Nagaon, Morigaon and Barpeta which included a total of 10 students & 30 parents. The theme of the visit was, 'Importance of STEM EDUCATION'.

MCT Teacher orientation

'One Day District Level Teacher Orientation' took place in 61 MCT Schools in 2 districts i.e., Nagaon & Kamrup with the involvement of 100+ teachers which shall benefit the school ecosystem.

The agenda of this orientation was to introduce teachers to the QUEST App which includes 21st-century skills for the educators of the new era.

Teacher Credentials

The details of the teachers have been collected for MCT Orientations in Nagaon & Kamrup(R). They have already been registered in QUEST App which is an easily accessible and free of cost platform for the 21st-century educators.

KGBV Ecosystem Analysis

- There was an analysis done on the questionnaire that was developed in the month of July. This analysis was done in different thematic areas like 'Mental well-being, Nutrition, Digital access, Child marriage & Dropout rates' which shall help develop a core strategy for the upcoming activities in the KGBV Ecosystem.

STEM Club activities

There was a Potluck Activity conducted in 12 different schools in the 3 priority districts which helped students work on different developmental areas like 'mind & skills- curiosity, critical thinking, exploring, risk taking, scientific mindset'

School Culture observation

Observations have been made on 'School Culture' by focusing on different thematic areas. One of the major observations was to analyze the 'behavioral patterns' of different stakeholders like HMs, Teachers, Parents along with the Students in Nagaon, Morigaon and Barpeta district.

District Engagement

Active district engagement sessions were conducted to discuss the 'programmatic development and the support required by the districts' involving Inspector of Schools, District Elementary Education Officers, District Program Officers in Nagaon, Barpeta, Kamrup, Morigaon, Kokrajhar, Bongaigaon, Baksa, Nalbari & Dhubri district.

Innovations

The Program Coordinator of STEM participated in a workshop which was conducted by MANTRA for the set up of the STEM Labs in different schools in Assam which shall foster 'developing scientific mindsets' among the students and help them develop interests in science and technology, engineering, mathematics (STEM).

Next Plan

- Model School Training
- Nominations for Manak Award
- Sahi Kadam Scholarship
- Teacher Recognition Strategies
- MCT Teacher Orientation



Highlights

- District Engagement
- Teacher Login in Quest App
- MANAK INSPIRE award nomination
- Scholarship nomination
- District level teachers Orientation
- Capacity building of facilitators in NEP2020
- Gratitude Week Celebration Districts Engagement
- STEM Club Activity

District Engagement

Meeting with district officials to appraise them about the upcoming plan and activities under the STEM For Girls program. During the month, the team met the district officials from Kamrup, Morigaon, Nagaon, Barpeta, Goalpara, Nalbari, Dhemaji, Charaideo, Cachar, Karimganj and Hailakandi districts.

Teacher Login in Quest App

Teachers from Nagaon, Baksa, Nalbari, Kamrup R and Tamulpur participated in the MCT Orientations. 138 teachers were introduced to an e-learning platform, the QUEST App, which aimed at 'implementation of 21st century educator skills.

MANAK INSPIRE award nomination

In order to foster the 'idea of Innovation' among the different schools, NEAID participated in the government initiative, MANAK INSPIRE Award where government secondary schools were encouraged to nominate themselves for the cause.

Scholarship nomination

Different scholarships like 'Begum Hazrat Mahal Scholarship, Minority Scholarship, Science Olympiad Foundation, National Means Cum-Merit Scholarship, Pre-Metric Scholarships' information were availed by 200 schools across 28 districts in the state of Assam among which 149 students applied for the scholarship.

District level teachers Orientation

District Level Teacher Orientations for MODEL Schools was conducted where 13 teachers from Morigaon, Nagaon & Barpeta were facilitated on NEP 2020.

Capacity building of facilitators in NEP2020

Brainstorming sessions were organized for school Coaches/SFG Team to have a better understanding and connect the activities of SFG program which are align with NEP 2020.

Gratitude Week Celebration

Teacher Recognition is an effective growth mechanism for schools so in order to facilitate this culture of recognizing teachers in schools, students paid gratitude to teachers by celebrating 'the practice of Gratitude'.

STEM Club Activity

STEM Club Activity on STEM Mindset & Gender Equality was conducted in the different MODEL Schools of Morigaon, Nagaon & Barpeta where students produced artifacts on STEM.



Next Plan

- STEM Club activity
- Fostering Computational thinking among the students through Ideathone and Hackthone

Highlights

- Scholarship nomination
- School Coach Capacity Building
- Implementing QUEST App learning in the classroom
- Monitoring visit in school
- STEM Club Project
- Parents Teachers' Meeting
- Teacher Nomination for International Award
- Model School District level orientation
- MCT District-level orientation
- Ideathon & Hackathon introduction
- Innovation - Makers Lab and Diamond Club
- District Engagement

Scholarship Nomination

509 students across 76 schools from Assam self nominated for different scholarships with support and guidance of NEAID fellows. The various scholarships applied by the students are OBC scholarship, Begum Hazrat Mahal scholarship, N.M.M.S scholarship, SoF scholarship, SC scholarship, Vidyajyoti scheme, ST scholarship, HDFC Bank scholarship, Minority scholarship, SAHI KADAM Scholarship.

STEM Team Capacity Building

Internal capacity building was conducted and cascaded within the team regarding communication to schools for the MCT roll-out involving different stakeholders in the school ecosystem to bring constructive change. Also, facilitation regarding STEM Club content i.e. Scientific Method held, which will foster critical and logical thinking among the students.

Monitoring visit in school

Monitoring visits conducted in schools by STEM team to assess the areas of improvement in the school ecosystem and equip the teachers with the required support to build a student-friendly learning environment providing equal scope of growth for all the learners.

186 teachers are currently engaged in the QUEST App and regularly doing assignments and activities.

Implementing QUEST App learning in the classroom

QUEST App, being the learning tool for the 21st-century educator is growing as a popular platform among the teachers of government secondary schools. Many teachers have started absorbing the learnings of 21st-century skills from the lessons in the app and initiated the creation of a 21st-century learning environment in the classroom by conducting the activities like focused group discussion, growth mindset, etc.

STEM Club Project

STEM CLUB was activated and new projects were initiated in 12 Model Schools of Nagaon, Morigaon and Barpeta. Under the projects STEM and Gender & Scientific Method; fostering curiosity, exploration, reflection, and integration are some of skills which will be taught to the students, considered essential for the cognitive development of a child.

Parents Teachers' Meeting

4 Parents teachers' meetings were held in 4 schools in Nagaon, Morigaon and Barpeta with the participation of 277 parents along with the students, teachers and HMs where discussions were held on academic growth and the role of STEM in growth of the children.

Learning Day Celebration in School

Learning day were conducted in 6 Model Schools to celebrate students' learning on gender and STEM mindsets.



Teacher Nomination for International Award

14 teachers were nominated for the Gloria de Souza International Excellence Award which aims at providing child-centric quality education by bringing an environmental approach into education that contextualize the conditions of urban poor, rural, tribal and first-generation learners.

District Engagement

18 district engagements were done involving district officials regarding program updates and arrangements for MCT district-level orientation. NEAID team had met DEEOs/DPOs of Kamrup R, Dhubri, South Salmara, Kokrajhar, Goalpara, Chirang, Bongaigaon, Darrang, Udalguri, Morigaon, Nagaon, Barpeta, Dibrugarh, Tinsukia, Charaideo, Cachar, Karimganj and Hailakandi.

Innovation - Makers Lab and Diamond Club

Makers lab is created in Kamrup R and Morigaon district as a collaborative space in schools for students to explore their creative sides through the application of STEM concepts.

Also, an exploration club is created in some of the schools aligning with STEM Clubs to foster STEM Mindsets among the students. These clubs are named as 'Diamond Club' by the students where the leaders were selected democratically and provided a safe space to express and learn themselves by exploration.

Next Plan

- Master Coach for Teachers orientation in Darrang, Sonitpur, Udalguri district
- Ideathon and Hackathon
- Role Model Interaction
- Career Play in Model Schools
- Learning Day Celebration in Model Schools

MCT District Level Orientation

The 2nd phase of District level orientation was held focusing on capacity building of 21st-century educators aligning with NEP2020 along with onboarding in the QUEST App. 126 teachers from Dhubri, South Salmara, Bongaigaon, Goalpara, Barpeta, Morigaon, Dhemaji, Charaideo, Dibrugarh and Tinsukia were part of the orientation at Morigaon DIET, Bongaigaon DIET, Barpeta IS office and Dibrugarh which will help them create a 21st-century learning environment along with professional growth. However, teachers from Kokrajhar, Chirang could not join us. ,

Ideathon & Hackathon introduction

The innovation fest 'Ideathon & Hackathon' was introduced to the teachers from Dhubri, South Salmara, Goalpara, Chirang, Bongaigaon, Barpeta, Dibrugarh, Tinsukia, Charaideo districts focusing on computational thinking; through which students can find relations among identifying the problem, pattern recognition, preparing strategies to solve the problem and finding algorithm to innovate something new.

Model School District Level Orientation

A three-day district-level orientation of facilitators held on Gender Hackathon from Morigaon, Nagaon and Barpeta which will in turn develop computational thinking among the students to identify and solve the issues impacting their lives due to the challenges in their surroundings.



Highlights

- In person engagement of field team with Teachers and students.
- Training of school coaches for Hackathon & Parent teacher Meeting.
- 422 Teachers engaged in Quest App
- Scholarship Nomination received for 22 new students this month
- Supportive visits to schools to handhold fellows.
- Ideathon & Hackathon is in process
- Parent- teacher's meeting organized in a structure way.
- Introduction of Stem Club Projects
- District level MCT Teacher Orientation .

In person engagement of school coaches

In the month of January'23, the school coaches were engaged actively with teachers and school which was instrumental in bringing active participation of the school leadership with the program. The SFG team were visiting the schools to share the new ideas and to support in the implementation of the program at school level.

Ideathon & Hackathon implementations in School

The innovation fest "Ideathon & hackathon" was introduced in 13 districts of Assam and the process is going on in all the identified schools. The focus of the entire process is on computational thinking through which students can find relations among decomposition, pattern recognition, abstraction and algorithm to innovate something new with guidance from Teachers and NEAID Field Team. Teacher's are pleased to see Innovative ideas coming from the student's end and appreciated the program. The program reach will be increase in next academic year by involving more schools.

422 Teachers engaged in Quest App

Quest App being the learning tool for the 21st century educator is gaining acceptance as a popular platform among the teachers of government secondary schools. Over 48 new members were logged in our Quest App in the January month which brings to the total of 422 teachers registered in the app.

Supportive visits to schools to handhold fellows

Monitoring visits conducted in school by NEAID PMU to assess the scope of work on the school ecosystem and equip the teachers with the required support to build a student-friendly learning environment providing equal scope of growth for all the learners.

Parent- teacher meeting organized in as per the structure

Parent-teacher's meetings were held in Barpeta District with active participation from the school authorities and parents. Discussion were held on learning day presentation held by the students on the topics such as "Gender Stereotypes" and how their child had came-up with innovative ideas.

Scholarship Nominations received for 22 new students this month

22 students across 9 schools from Assam were nominated for various Scholarship programs namely Sikha ki Udan, Minority Scholarship, and SOF.

District level MCT Teacher Orientation

32 teachers from Cachar, Karimganj, Hailakandi, Darrang, Sonitpur, Udalguri districts oriented on QUEST App, the e-learning platform to build the 21st century learning environment.

Training of school coaches for Hackathon & Parent teacher Meeting

Internal capacity building was conducted by the NEAID PMU on ' School culture' and "Student engagement' to create a school ecosystem where students can build 21st century skills and encourage to ask questions by developing a healthy relationship with teachers.



Highlights

- Ideathon & Hackathon Successfully accomplished.
- Maker's lab inaugurated in 'Morigaon' district at Priya Neog Higher secondary
- 400 teacher engagement in Quest App with a course completion rate of 20.98%
- Supportive visits to schools
- Representing Interstate Hackathon in Bangalore.
- Representation of NEAID in Gunustav by Model School.
- PTM held at Nakhala Secondary.

Supportive visits to school by Program management team

In the month of February we are able to see our school coaches being engaged in schools in person of all districts which brings active participation of them with the teachers assisting them with the modules and completing the assessments.



Representing Interstate Hackathon in Bangalore

Interstate Hackathon was held at Bangalore in the month of February, the students from AV Pakabetbari (barpeta district) along with one teacher and school coach represented Assam in the forum.



Representation Of STEM in Gunostav by Model School

Gunotsav, is an initiative of the State Government focuses mainly on assessment of learning outcomes of children for identifying learning gaps and subsequently designing remedial measures for improvement. NEAID school coach represented STEM program in Gunotsav discussing about the importance of girl child education, uses of science, technology, engineering, mathematics in day to day life, we have received co-operation and support from the Deputy Commissioner Mr Devashish Sharma and that brings a feather in the cap of our organization.



Ideathon & Hackathon Successfully Accomplished

The innovation fest "ideathon & hackathon" was introduced in 13 districts of Assam and is 'Successfully accomplished' focused on computational thinking. During the process, we came across different innovative ideas and creative environments made by our students. We could also experience teachers and students being pleased to see the program and watch different forums of learning and education.

Maker's Lab Inaugurated in ' Morigaon' District Priya neog Higher Secondary School

Everybody is creative and every child has wonderfully unique imagination of how to solve the world's problem. The MAKERS Lab is a way of creating a safe collaborative space in schools and community centers for students to explore their creative side through the application of concepts from science, technology, engineering and mathematics. It has been successfully put up in Morigaon district at Priya Neog Higher secondary school.

400 teacher engagement in Quest App with a course completion rate of 20.98%

Quest App being the learning tool for the 21st century educator is growing as a popular platform among the teachers of government secondary schools. Over 334 new members were recognized as snoozer status, welcome sailor being 18 in February month which brings to a total of 400 teachers engagement in the app.

Parent-teacher meeting held at Nakhala Secondary-

Parent-teacher's meetings were held in Morigaon District Nakhala Secondary school with active participation from the school Organization and the parents, teachers, and HMs were on a discussion about the importance of Gender equality, STEM program details, effects of child marriage, scholarships, etc. A total number of 25 parents along with 50 students and 6 teachers were present at the meeting.

