Report of the Project

Astronomy for Earthquake affected Students (AEAS)

Photo 1: Group Photo of Earthquake affected school and TAC members.

Submitted by

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Project title: P162AEAS Astronomy for Earthquake affected Students
Grant Reference: P162AEAS
Project Implementation County: Nepal
Location: Nuwakot, Kathmandu, Gorkha
Name of the Schools:

1. Chandesori Higher Secondary School, Nuwakot,
2. Sanskrit Secondary School. Ranipokhari, Kathmandu,
3. Manakamana uchhha ma vi, Gorkha

Beneficiaries: 350 Students 100 Parents and and 50 teachers of the selected school.

Photo 2: Rakesh Bidari of TAC giving talk about how to do Astronomical Activities in School.

Photo 3: Benajil Rai asking questions to the students in side of Cracked building

1. Summary of the project

We organized a Astronomy Activities for the Earthquake affected students in three different places Gorkha, Nuwakot and Kathmandu most earthquake affected district in Nepal. there was 8.2 magnitude earthquake last year 2015, and Hundreds of thousands of people their school going children were made homeless with entire villages flattened, across many districts of the country by the earthquake last year in Nepal. Centuries-old buildings including many schools were destroyed. Investment will not only be required on infrastructure but also on psychosocial counseling to ensure that children are able to cope with the trauma and resume with their lives. We think Astronomy may help them to forget the fear of the earthquake because of it will be unique and new for their school activities. We are focusing our activities in the one, school which are most affected in Nepal. So we choose

i. Chandesori Higher Secondary School in Nuwakot
ii. Sanskrit Secondary School, Ranipokhari, Kathmandu
iii. Manakamana Uchha Ma. Vi, Gorkha

All above three schools were fully destroyed by the earthquake, all school building were smashed and all are government school. We did the progrmme in the school ground and in cracked room of the school.

2. Achievement of Objectives/deliverables

2.1. Interation with the principal.

Interaction with teacher has been performed in all the selected schools. The main objective of the interaction was to find the main problem of science education and status of the astronomy. Principals are in contacted and they were eager to introduce science activities in their school, But lacking of materials. we donated one galileoscope for three school and teachers are trained to use.

Photo 4: Principal Hari Prasad Rijal talking and pointing the effect of earthquake

2.2 Programme in Chandesori Higher Secondary Shool

We had planned to donate galileoscope and organized a Astronomy Activities for the Earthquake affected students. there was 8.2 magnitude earthquake last year, and Hundreds of thousands of people their school going children were made homeless with entire villages flattened, across many districts of the country by the earthquake last year 2015 in Nepal. Centuries-old buildings including many schools were destroyed. Investment will not only be required on infrastructure but also on psychosocial counseling to ensure that children are able to cope with the trauma and resume with their lives. We think Astronomy may help them to forget the fear of the earthquake because of it will be unique and new for their school activities. We are focusing our activities in the one, school which are most affected in Nepal. So we choose Chandesori Higher Secondary School, Manakamana Uchha Ma vi, Gorkha and Sanskit Seconday School which are fully destroyed by the earthquake, all school building were smashed and are government schools. we reached there by 11:30 Am. Program was commenced by the science teacher as a speaker. He started program by introducing all the members involved in the school and told something about school and last year's earthquake. Principal of the school Hari Prasad Rijal was welcomed to have seat. we told about the some information about universe.

Indramani Sir speak for more than three minutes and during his speech he described objective of the project AEAS and spoke something about earthquake and the effect of earthquake to the school, psychosocial effect to the students and thankful words to school and AEAS team.

Manisha Chalise the student of the same school speak about the progrmme. She included beautiful points in her speech she explained that because of the programme and the telescope donated by AEAS to school as well as students are going to develop physically and mentally resp. Due to the earthquake the school was totally destroyed and because of this programme pain had got somehow relief and she thanked AEAS.

Rakesh Bidari who is the member of AEAS team speak something about Takshashila Asteonomy Club (TAC) the first astronomy Club in high school in Nepal. He distinguished Astronomy and Astrology during his talk. He explained how to use telescope and how you organize the astronomy activities within the school after. He focused his speech for the earthquake students and teachers how to handle the galileoscope in future and warned do not observe the sun direct through the scope.

Benajill Rai the member of AEAS organized a Astronomy quiz for the Students and teacher of the school and asked many difficult questions but students are very sharp they answer and got small gifts from AEAS.

Lilaram Acharya sang a song for the students to make them happy and forget pain of earthquake. He included his song in a musical way by saying about school and astronomy.

Proof Jayanta Acharya the member of AEAS gave talk for science and mathematics teacher and all students of that school. How to assemble the telescope and how to use the telescope. Science is related to discoveries and invention which is changeable. So all changes are accepted by us and we update our knowledge time to time. He also expressed their happiness for being able to help school as well as students and thanked school for providing such opportunity. He thanked IAU and other supporting hands for making such a wonderful and very successful programme.

After his talk telescope was donated to the school and principal and science teacher received the scope. Hari prasad Rijal gave small speech

After his talk the documentary show " eyes on the sky " was shown to the students, teachers, guardians and locals were the audience.

Solar glasses are helpful to watch sun in normal days or in eclipse in a safer ways. Students used to watch sun with photographic negatives or X-ray films or with a glass which is quoted with black color or smoke, which is not the safe ways to watch Sun and Solar eclipse. Teachers and students are trained to use safer methods to watch Sun and Solar eclipse. Solar glasses are distributed to the all three schools.

Photo 5: Solar observation with solar glasses

Programme organized

- Work shop for Students and teachers
- observations of sun with eclipse glasses

By Similar way we did the programme in Manakamana Uchha Ma vi Gorkha and Sanskrit Secondary School, Ranipokhari, Kathmandu.

3. Recommendations

Following are the recommendations/lesson learnt during the implementation of the project:

3.1. Materials produced/distributed should be in local language.

3.2. All three school are lacking a safe classrooms after earthquake.

3.3. Schools are ready to do more astronomical activities in their school but lack of materials and expert .

3.4. Astronomy is very effective for to forget a fear of earthquake and useful for to understand.

Photo 6: Trainning to use galileoscope

Photo 7: Amazed by seeing sun like moon

Photo 8: Project team P162AEAS Astronomy for Earthquake affected Students on the way to Nuwakot and Gorkha.

Photo 9.1: Small Telescope handover to the principal


Photo 9.2: Small Telescope handover to the principal

Photo 9.3: Small Telescope handover to the principal

Photo 10: Participating student shearing his experience about earthquake and psychosocial effects.

Photo 11: Astronomical quize and eager to answer.

Photo 12: Mr Jayanta Acharya is giving trainning how to use small telescope in different event.

Photo 13: Media Interview with the participating student.

Photo 14: Jayanta Acharya, Giving informations about the project to the media in Kathmandu.

Photo 15: Principal of Sanskrit Secondary School speeking in front of Students about our project.

Photo 16: Solar Observations

Photo 17: Astronomy eager brains.

Photo 18: Solar glasses handover to the principal

Photo 19: Poster of the project

Photo 20: Experience about earthquake and importance of Astronomy

Photo 21: Seience teacher speaking about astronomy past and future.