

1. Project Title

Promoting Astronomy Science (A&S) at grass root level for needy students of the Nepalese community

2. Objectives:

The main goal of this project is to uplift and promote the study of A&S and basic science subjects (Physics, Chemistry, Biology and Mathematic with special focus on Astronomy) at regional as well as at national level in Nepal. Nepal is still lagging behind in A&S concepts. This project aspires to promote scientific subjects to encourage and enable younger generation, their guardian and community members to think objectively, logically and positively while solving problems faced by them and all of us all in our daily lives.

3. Activities: Training and Observations

3.1 Training for teachers and students and observation at Takshashila academy (TSA), Kathmandu

We organized teacher training program at Takshashila Academy on July 3, 2009 There were about fifty teachers registered for the training and on 4th of July there were about sixty students for the training. Both students and teachers are invited on July 22 for the solar eclipse observation. General public and media personals are also participated in the event. We distributed sky maps in the training to the teachers and students.



Fig 3.1 Students, teachers and general public watching solar eclipse at TSA

3.2 Training for teachers and students and observation at Bhanu Sanskrit Biddyaapeeth, Tanahun

On September 22, 2009 we have organized teacher training at Bhanu Sanskrit Biddyaapeeth, Tanahun. Forty teachers at the biddyaapeeth and neighboring high school are invited for the training. On 23 September, seventy high school students participated for astronomy observation training. On 24 September evening we had a big star party for teacher, students and common villagers. 430 people watched the crescents of the moon through the telescope. They are trained to use the sky maps and are able to identify various constellations, stars and planets.

Coordinator for the event Mr. Purna Chandra Walge, Campus chief, Bhanu Sanskrit Biddhyapeeth officially thanked us for integrating his campus for the astronomy activities at Tanahun.



Fig3.2 Teacher training at Tanahun

3.3 Training for teachers and students and observation at Sunrise and Balmikee Shikshasadan, Chitwan

In Chitwan district, forty teachers and sixty students are participated in the workshop and star party. The event was organized on Balmikee Shikshya Sadan, a local school at chitwan. Local program coordinator Mr. Pradeep Paudel, lecturer at Balkumari college coordinated the event.

In the star party around five hundred students, school teachers and public participated.



Fig 3.3.1 Poster handed over to the principal



Fig 3.3.2 Star party at Chitwan

3.4 Training for teachers and students and observation at Deepshikha Boarding School and Bijauri Biddyapeeth, Dang

In the Deepshikha Boarding School and Bijauri Biddyapeeth, Dang, twenty school teachers and fifty six students participated in the programme. In the star party about three hundred students, teachers and public people watched the stars.



Fig 3.4.1 Teacher training at Dang



Fig 3.4.2 Star party at Deepshikha Boarding School Dang

3.5 Training for teachers and students and observation at Bindabasini Sanskrit Biddyaepeth, Pokhara.

Twenty teacher and fifty student are participate in the basic astronomy training at Bindabasini Sanskrit Biddyaepeth. Four hundred people came to the star party and able to see the closed view of moon and enjoyed to see four moons of Jupiter.



Fig 3.5 Star party at Bindabasini Sanskrit Biddyaepeth, Pokhara

4. Achievements:

Following are the main achievements:

- Students and teachers were trained to use telescope, sky-maps.
- Awareness to the astronomical evidences, stars, planets and constellations.
- Took people on an aeronautical journey to the universe and showed how precise it is and how interdependent its components are and urged them to wonder about their own purpose in this universe.
- Increased the awareness and knowledge of astronomy amongst the young learners

Total no of Participations of this program during this project in Nepal

No. of teachers training	175
No. of students training	296
No. of general people participated in the observations program	1930
TOTAL	2401

5. Financial Summery

Kathmandu

Date July 3, 4 and 22

Vanue:

1. Takshashila Academy

Teacher training programme in Takshashila (Kathmandu)

No of teachers 50

Student Training program in Takshashila Academy (Kathmandu)

No of Students 60

Observation participant 300

Detail cost

Cost for tea and Coffee with snakes for Students	60 × 30	=	1800.00
Cost for tea coffee with snakes for teachers	50 × 30	=	1500.00
Stationary Cost for both teacher and Students	110 × 20	=	2200.00
Cost for sky maps	300 × 5	=	1500.00
Cost of Printing For Posters	500 × 40	=	20000.00
Telescope carrying cost	2 × 500	=	1000.00
Tripod	2 × 2000	=	4000.00
Book			
Guide to the night sky	1 × 400	=	400.00
The Universe	1 × 1200	=	1200.00
The concise Atlas of the stars	1 × 2000	=	2000.00
Administration Cost			
Guard & helpers	2 × 500	=	1000.00
Electricity Cost		=	500.00
Total		=	37100.00

Tanahun (180 kilometer far from Kathmandu)

Date September 22, 23 and 24

Vanue:

1. Bhanu Sasnkrit Biddhyapeeth
Coordinator for the event : Purna Chandra Walge
Campus chief , Bhanu Sanskrit Biddhyapeeth

Teacher training programme in Tanahun

No of teacher 40

Student Training program in Tanahun

No of Students 70

Observation participatent 430

Detail cost

Cost for tea and Coffee with snakes for Students $70 \times 20 = 1400.00$

Cost for tea coffee with snakes for teachers $40 \times 20 = 800.00$

Stationary Cost for both teacher and Students $110 \times 20 = 2200.00$

Cost for sky maps $430 \times 5 = 2150.00$

Telescope carrying cost $2 \times 1500 = 3000.00$

Travel Cost for three people $3 \times 1500 = 4500.00$

Hotel Cost for 4 nights $4 \times 500 = 2000.00$

Administration Cost

Guard & helpers $2 \times 500 = 1000.00$

Electricity Cost = 500.00

Total = 17550.00

Chitwan (200 kilometer far from Kathmandu)

Date October 22, 23 and 24

Venue:

1. Sunrise Boarding School
2. Valmikee Shikshya Sadan School.

Coordinator for the event : Pradeep Paudel

Lecturer, Balkumari College

Teacher training programme in Chitwan

No of teacher 45

Student Training program in Chitwan

No of Students 60

Observation participant 500

Detail cost

Cost for tea and Coffee with snakes for Students	60×20	=	1200.00
Cost for tea coffee with snakes for teachers	45×20	=	900.00
Stationary Cost for both teacher and Students	105×20	=	2100.00
Cost for sky maps	500×5	=	2500.00
Telescope carrying cost	2×1000	=	2000.00
Travel Cost for three people	3×1200	=	3600.00
Hotel Cost for 4 nights	4×700	=	2800.00
Administration Cost			
Guard & helpers	2×500	=	1000.00
Electricity Cost		=	500.00
Total		=	16600.00

Dang (500 kilometer far from Kathmandu)

Date November 22, 23 and 24

Vanue:

1. Deepshikha Boarding School
2. Bijauri Biddyapeeth

Teacher training programme in Dang

No of teacher 20

Student Training program in Dang

No of Students 56

Observation participant 300

Detail cost

Cost for tea and Coffee with snakes for Students	20 × 40	=	800.00
Cost for tea coffee with snakes for teachers	56 × 40	=	2240.00
Stationary Cost for both teacher and Students	76 × 20	=	1520.00
Cost for sky maps	300 × 5	=	1500.00
Telescope carrying cost	2 × 1500	=	3000.00
Travel Cost for three people	3 × 2000	=	6000.00
Hotel Cost for 4 nights	4 × 700	=	2800.00

Administration Cost

Guard & helpers 2×500 = 1000.00

Electricity Cost = 500.00

Total = 19360.00

Pokhara (250 kilometer far from Kathmandu)

Date December 22, 23 and 24

Value:

1. Bindabasini Sanskrit Biddyapeeth

Teacher training programme in Pokhara

No of teacher 20

Student Training program in Pokhara

No of Students 50

Observation participant 400

Detail cost

Cost for tea and Coffee with snakes for Teachers $20 \times 40 = 800.00$

Cost for tea coffee with snakes for Students $50 \times 40 = 2000.00$

Stationary Cost for both teacher and Students $70 \times 20 = 1000.00$

Cost for sky maps $400 \times 5 = 2000.00$

Telescope carrying cost $2 \times 1500 = 3000.00$

Travel Cost for three people $3 \times 1200 = 3600.00$

Hotel Cost for 4 nights $4 \times 900 = 3600.00$

Administration Cost

Guard & helpers $2 \times 500 = 1000.00$

Electricity Cost $= 500.00$

Total $= 17500.00$

Grand Total Cost of the project is

Rs 108110.00

= €1177.92 @ Rs 91.78 = €1