

Regional Science Centre & Planetarium Calicut

International Year of Astronomy (IYA) Programmes - A Report

IYA 2009 programmes: A Report

Activities organised during IYA 2009 by RSC Calicut

1. Workshop on Preparation of 400 Galileoscope
2. Observation of Partial Solar Eclipse
3. Side walk Astronomy
4. Galileo Galilei - A drama
5. 30 week course in Astronomy & Astrophysics
6. Astronomy Olympiad Training Programme
7. In company of Stars: A astro evening for students from Juvenile home
8. Touch the sky - A astro evening for differentially abled students.
9. Universe Yours to Discover: A new planetarium show
10. Star Party 2009
11. 100 hours of Astronomy corner stone project
12. Observation through 80 telescope world wide
13. Workshop in Astronomy for high school Science Teachers
14. Workshop on Sun Dial & low cost spectroscopy
15. Astronomy Exhibitions (Off campus)
16. Astronomy Lectures

Regional Science Centre & Planetarium

Calicut

International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Workshop on Preparation of 400 Galileoscope

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 17.01.2009

1.4. Brief description of the project (maximum 150 words):

Young participants (mostly secondary & high school students) made galileoscopes. This was the first time many most of them had actually assembled a refractor.

1.5. Objective(s) of the project: Develop an attitude towards observing night sky with a low cost self made telescope

1.6. Project language(s): English & Malayalam

2. Project Description

400 students made Galileoscope with 50 cm convex lens (Objective) and 5 cm convex lens (Eye-piece) there by having a magnification of 10. The other materials includes PVC pipe of appropriate diameters.

With this telescope moon can be observed very well. Further on proper seeing conditions, may other bright celestial objects can be observed.

3. Resources

3.1. *Educational/outreach material produced in the framework of the project (when applicable, please provide examples):*

400 refrator telescope

3.2. *Project website (if applicable):*

4. **Budget** The participants paid Rs. 150/- each as material const for the project.

5. Evaluation and results

5.1. *Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):*

Press , TV channels, RSC Website

5.2. *Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):*

The 400 participants were grouped into teams with a team leader and a guide. The guides were senior members of RSC Astronomy Club. All the telescopes were ready and by evening all the participants had a sky observation programme with their own telescope.

5.3. *Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):*

The telescopes were evaluated by pointing towards particular bright objects in the sky. Initial tests were conducted by focussing nearby terrestrial objects

6. *Additional information If you wish, please provide additional information about the project: photos, videos or other materials.*

<http://picasaweb.google.com/CalicutPlanetarium/>

Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Observation of Partial Solar Eclipse

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 26.01.2009 22 July 2009

1.4. Brief description of the project (maximum 150 words):

Public observation of the partial solar eclipse using solar filters, projection methods and solar googles. Photographing the eclipse sequence was a major event in the programme.

1.5. Objective(s) of the project:

Solar eclipse observation with public participation. Photographing the eclipsed sun.
Demystifying superstition regarding solar eclipse from the social fabric.

1.6. Project language(s): English & Malayalam

2. Project Description

Members of the general public, students community observed the event from the science centre campus using the telescopes equipped with filters. Many observed the photosphere of the sun for the first time through the solar filters and solar googles which were distributed to them during the event. The photographs of the event were circulated in the local media and was highly appreciated by all.

3. Resources

3.1. *Educational/outreach material produced in the framework of the project (when applicable, please provide examples):*

6", 4,5" refractors, 6" and 11" reflectors all equipped with appropriate solar filters. Further a projection image was produced using pin hole camera mechanism.

3.2. *Project website (if applicable):*

4. Budget Fully funded by RSC Calicut

5. Evaluation and results

5.1. *Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):*

Press , TV channels, RSC Website

5.2. *Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):*

Around 1000 persons viewed the eclipsed sun. The photographs taken were published in local daily subsequently. All major television channels covered the event.

5.3. *Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):*

The public participation and expression of awe & wonder form the public regarding the celestial event.

6. *Additional information If you wish, please provide additional information about the project: photos, videos or other materials.*

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Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Side walk Astronomy

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s):

24.01.2009; 21.02.2009; 21.03.2009; 18.04.2009; 22.05.2009, 21.11.2009; 22.12.2009

1.4. Brief description of the project (maximum 150 words):

In this programme many important public places were chosen and our team members went with telescopes and located themselves in areas nearby which the public movement was high. Any one passing by was invited to have a look through the telescopes which was pointed to a bright celestial object like moon, jupiter etc.

1.5. Objective(s) of the project:

Allowing members of general public to just have a look through the telescope.

1.6. Project language(s): English & Malayalam

2. Project Description

Dates	Location	No of visitors (to nearest hundred)
24.01.2009:	Sarovaram Bio park	500
21.02.2009:	Mananchera Park	400
21.03.2009:	KSRTC Bus stop	2000
18.04.2009:	Calicut Railway station	2000
22.05.2009:	Calicut Beach	700
21.11.2009:	Medical college Campus	1000
22.12.2009:	S M Street	800

The thrill and satisfaction were observed in each and every visitors on observing the craters of moon, the satellites of Jupiter, the rings of saturn as and when it was observed.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget All expenses were borne by RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

Implementation: By using members of RSC astronomy club , the institution’s telescopes & Jeep

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

The strategy was to maximize the numbers of persons viewing through the telescope eye piece pointed towards a celestial object.

6. Additional information*If you wish, please provide additional information about the project: photos, videos or other materials.*

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Galileo Galilei - A drama

1.2. Name of person(s)/Institution(s) responsible for the project:

RSC Calicut & Aychhavattam H S, Calicut

1.3. Implementation date(s): 14.08.2009

1.4. Brief description of the project (maximum 150 words):

A drama was conceptualised by the students and teachers of the school with the support from RSC Calicut where the discoveries of Galileo as appreciated by societies prior to Galileo's period, during Galileo's period and in modern & present times are highlighted.

1.5. Objective(s) of the project:

Educating public about the social attitude towards revolutionary scientific discoveries.

1.6. Project language(s): Malayalam

2. Project Description

This drama was screened in the main auditorium of science centre's auditorium in presence of public, press and media. The drama highlight the social attitude towards revolutionary scientific discoveries. Here a magician transported a group of young modern students to the period of Galileo and meets him to see how his theories & discoveries are perceived by the society then. Next, Galileo was taken to prehistoric period where society was mostly uncivilised, and the reaction of the society then was seen when informed about Galileo's discoveries.

Ultimately it was shown that we are living in the Golden Age of Astronomy and 2009 is celebrated as IYA Globally in recognition of the great discoveries of the Galileo and which subsequently paved way to modern understanding of the universe.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget Shared between RSC Calicut & MES Raja Residential school

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

General appreciation by Public. The auditorium was packed with 250 visitors (overflowing its maximum capacity)

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

Eminent film directors locally available in the city were invited to evaluate the play from presentation and social impact point of view. They adjudged the play as the really good.

6. Additional information*If you wish, please provide additional information about the project: photos, videos or other materials.*

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: 30 week course in Astronomy & Astrophysics

1.2. Name of person(s)/Institution(s) responsible for the project:

RSC Astronomy Club & Dept. of Physics, Calicut University

1.3. Implementation date(s):

19.04.2009 onwards on all subsequent sundays from 5 pm to 6:30 pm

1.4. Brief description of the project (maximum 150 words):

This project was conceptualised to impart education in astronomy & astrophysics to any lay person who have passed class 10 (high school).

1.5. Objective(s) of the project:

Creating awareness about fundamentals & frontiers of astronomy & astrophysics among public

1.6. Project language(s): English & Malayalam

2. Project Description

The participants were registered and classes were organised every sundays from 5 pm to 6:30 pm using LCD projectors in the new auditorium. The participants who inputs a minimum of 75 % attendance will be awarded a participation certificate.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

Course materials, astronomical presentations, moon maps, star charts

3.2. Project website (if applicable):

4. Budget

Financially totally supported by RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

In total 75 persons of all ages registered for the course. 30 persons qualify for the certificate.

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

Input attendance

6. Additional information

If you wish, please provide additional information about the project: photos, videos or other materials.

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Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Astronomy Olympiad Training Programme

1.2. Name of person(s)/Institution(s) responsible for the project:

RSC Calicut & Physics Department, Calicut University

1.3. Implementation date(s): September - October 2009 (All Sundays from 11 am to 3 pm)

1.4. Brief description of the project (maximum 150 words):

Classes were organised in theoretical Astronomy as well as practical observation.

1.5. Objective(s) of the project:

Preparing selected students for appearing Indian Astronomy Olympiad Programme as well as imparting knowledge of technical astronomy among bright students.

1.6. Project language(s): English

2. Project Description

25 bright students (scoring 95+ %) from high school up to class 12 were selected from in and around Calicut. They were given tutorials in astronomy and problem solving relating to astronomy.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

Notes of tutorials

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

Students performed well in olympiad test. Further their knowledge in technical aspects were considerably enhanced.

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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Project General Information

1.1. Name of Project: In company of Stars: A astro evening for students from Juvenile home

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 12.12.2009

1.4. Brief description of the project (maximum 150 words):

150 student members from juvenile home were invited to have an astro evening at RSC Calicut. Various programmes in astronomy were organised in this connection

1.5. Objective(s) of the project: Astro awareness among unprivileged group

1.6. Project language(s): English & Malayalam

2. Project Description

The programmes arranged include visit to science centre galleries, Planetarium show, a multimedia lecture titled “**Wonders in Astronomy**”, sky observation programme. The programme was from 2 pm to 8 pm. In sky observation programme they were shown various celestial objects as well as their doubts were cleared.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

150 students, 5 accompanying teachers participated in the programme.

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

<http://picasaweb.google.com/CalicutPlanetarium/>

Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Touch the sky - A astro evening for differentially abled students.

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 17th December 2009

1.4. Brief description of the project (maximum 150 words):

150 student members from a special school for were invited to have an astro evening at RSC Calicut. Various programmes in astronomy were organised in this connection

1.5. Objective(s) of the project:

1.6. Project language(s): English & Malayalam

2. Project Description

The programmes arranged include visit to science centre galleries , Planetarium show, a multimedia lecture titled “**Wonders in Astronomy**”, Elocution contest “ What I know about sky”, sky observation programme. The programme was from 2 pm to 8 pm. In sky observation programme they were shown various celestial objects as well as their doubts were cleared.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

150 students, 5 accompanying teachers participated in the programme.

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

<http://picasaweb.google.com/CalicutPlanetarium/>

Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Universe Yours to Discover: A new planetarium show

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 31 August 2009

1.4. Brief description of the project (maximum 150 words):

This programme describes the revolutionary developments in the field of astronomy from the time Galileo viewed the sky with telescope upto present era and also highlights its course in future.

1.5. Objective(s) of the project: Astronomy Awareness among Public & students

1.6. Project language(s): English & Malayalam

2. Project Description

The history of various types of telescopes and detectors as used by astronomers of the modern age, the recording devices, adaptive optics and many more concepts are highlighted in this planetarium show.

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

Script, Voice , Graphics, animations, Music, Posters

3.2. Project website (if applicable):

4. Budget RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

More than 200,000 visitors have viewed and appreciated the show.

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

Public response

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

<http://picasaweb.google.com/CalicutPlanetarium/>

Regional Science Centre & Planetarium

Calicut

International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Star Party 2009

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 15 th December 2009

1.4. Brief description of the project (maximum 150 words):

An evening of astronomical Extravaganza. Astro films shows, Astro T Shirts, Astro Calendar, Astro Exhibition, Astro Lecture, full night sky observation programme

1.5. Objective(s) of the project:

Developing Astronomical Temper among all cross section of society

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

Posters, Astro Calendars, Astro T Shirts

3.2. Project website (if applicable):

4. Budget RSC Calicut & Club sponsorers

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

100 persons participated

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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Regional Science Centre & Planetarium

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Project General Information

1.1. Name of Project: 100 hours of Astronomy corner stone project

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 5 th April 2009

1.4. Brief description of the project (maximum 150 words):

The astro exhibition and telescopes were set up in open air stage of Calicut beach. Visitors observed astro exhibitions as well as viewed through the telescopes

1.5. Objective(s) of the project:

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget RSC Calicut

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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Regional Science Centre & Planetarium

Calicut

International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Observation through 80 telescope world wide

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s):

1.4. Brief description of the project (maximum 150 words):

The observation with worlds's largest telescopes were webcasted and projected through LCD Screen for visitors to the centre

1.5. Objective(s) of the project:

Popularisation astronomy. Glimse of the universe through world's largest telescopes.

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Workshop in Astronomy for high school Science Teachers

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 15.12.2009

1.4. Brief description of the project (maximum 150 words):

Sessions on astronomy project handling, astronomy demonstration, forming astro club were organised.

1.5. Objective(s) of the project:

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Workshop on Sun Dial & low cost spectroscopy

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 12.12.2009, 19.12.2009

1.4. Brief description of the project (maximum 150 words):

50 participants were taught how to make and observe through sundial, also they made low cost spectrscopes using broken Compact Disc pieces.

1.5. Objective(s) of the project:

Awareness about astronomy instrumentations

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Astronomy Exhibitions (Off campus)

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro
Club team

1.3. Implementation date(s): 15th May 2009, 23 October 2009

1.4. Brief description of the project (maximum 150 words):

Desk top astronomy working models, astronomy charts were exhibited at National Institute of Technology Campus, Government Engineering College, Calicut

1.5. Objective(s) of the project:

Astronomy Popularisation

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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Regional Science Centre & Planetarium

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International Year of Astronomy (IYA) Programmes - A Report

Project General Information

1.1. Name of Project: Astronomy Lectures

1.2. Name of person(s)/Institution(s) responsible for the project: RSC Calicut with its Astro Club team

1.3. Implementation date(s): 07.12.2009; 11.03.2009; 25.08.2009, 02.01.2009

1.4. Brief description of the project (maximum 150 words):

Lecture titles:

1. SETI (Jayant Murthy; IIA, Bangalore)
2. Interstellar Medium (Ulysses Sofia, Wittmen University, USA)
3. Black Holes (Ranjeev Sharma; IUCAA)
4. Astronomers of Kerala (Prof. Ramachandran, HOD, Matha Department, Calicut University)

1.5. Objective(s) of the project:

Astronomy Awareness among General Public.

1.6. Project language(s): English & Malayalam

2. Project Description

3. Resources

3.1. Educational/outreach material produced in the framework of the project (when applicable, please provide examples):

3.2. Project website (if applicable):

4. Budget

5. Evaluation and results

5.1. Promotion strategy (please provide information about how the project was promoted/publicised. If applicable, provide examples of press coverage):

Press , TV channels, RSC Website

5.2. Implementation /results (please provide information regarding the implementation and results of the project – number of participants, attendees and how this information was gathered):

5.3. Evaluation strategy (please provide information about the evaluation of the project, both quantitative and qualitative):

6. Additional information If you wish, please provide additional information about the project: photos, videos or other materials.

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