



# Project Title: Popularization of Astronomy through Mobile Planetarium (Taramandal)

Period of activity 2012-2014 (2 years)

Project Completion Report

#### Implemented by:

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#### Supported by:

National Council for Science and Technology Communication Division

Dept.of Science & Technology, Govt.of India

Technology Bhavan, New Mehrauli Road New Delhi

#### INDEX:

## 1. SUMMARISED REPORT:

- a) PROJECT ACTIVITIES CONDUCTED
- b) ACHIEVEMENTS
- c) FEEDBACK
- d) WEAKNESSES/DIFFICULTIES ENCOUNTERED DURING PROJECT IMPLEMENTATION PERIODS
- e) RECOMMENDATIONS
- PROJECT ACTIVITIES (POST COMPLETION OF PROJECT PERIOD)

#### 2. ANNEXURES:

- i.) FEED BACK FORM
- ii) ANALYSIS & OBSERVATIONS FROM ASTRONOMY QUIZES
- iii) FEW FEED BACK REPORTS FROM STUDENTS
- iv) FEW FEED BACK REPORTS FROM SCHOOLS
- v) LIST OF SCHOOLS AND INSTITUTIONS COVERED (ALPHABETIC ORDER)
- vi) MASTER RESOURCE PERSONS (Trainers) BIODATA
- vii) ASTRONOMY QUIZ QUESTIONAIRE SAMPLE
- viii) ABOUT MILLENNIUM INDIA EDUCATION FOUNDATION
- ix) SNAPSHOTS
- x) COPY OF PARTICIPATION CERTIFICATE

## PROJECT ACTIVITIES CONDUCTED

Activities were conducted as was envisaged in the project proposal.

Included On-the-Spot Quiz and Astronomy Shows using mobile planetarium (Taramandal) were organized for school students in schools in Delhi NCR and also at National Science Centre, Pragati Maidan from April 2011 to November 2012 as part of the project in order to achieve the above mentioned objectives.

In addition, astronomy shows were also held for the general public excluding the students, particularly during the time of their examinations or when the schools were closed for vacations etc.

## The overall approach adopted:

- i. Selection of schools:
  - a. Direct contact with schools to join this program: More than 500 middle/secondary and senior secondary schools, both Govt. and public, in Delhi state were directly contacted to join this awareness program either as Nodal Schools and invite their neighborhood schools to send their children (8<sup>th</sup> class onwards) to see the night sky shows or be allowed to conduct free shows in their schools for their own students.
  - b. Through Director of Education, Delhi State
  - c. Through Director, NDMC schools
  - d. Through Assistant Commissioner Kendriya Sangathan (Delhi) Kendriya Vidyalayas
  - e. Through National Science centre at Pragati Maidan.

On the spot written quiz: A multi-answer based written quiz was held at random amongst all students who saw the Taramandal shows.

 The quiz was conducted before the show to judge the extent of knowledge that each student possessed about astronomy. The general public was also quizzed.

4860 students participated in on-the-spot quizzes. The quiz was multi answer type with respondent asked to tick mark the right answer. Question wise answers have been analyzed and results are given against each question as under.

The most significant observation was that except for question nos. 1 and 2, more than 50% answers when put together were either unanswered or wrongly answered. This clearly indicated how ill informed these students were about astronomy sciences. Sample questionnaire is attached herewith.

#### 2. ACHIEVEMENTS

- Astronomy Shows: 2193 shows were conducted during the project implementation period from April 2011 to November 2012. Of these, 1113 shows were exclusively for school children.
- II. A record number of 49672 people and school children sensitized from Delhi NCR participated in this project.
- III. 29631 students saw the astronomy shows during the period April 2011 to November 2012
- IV. 287 schools including 2 overseas schools from Muscat, were covered under this program. It included 44 schools from other states and 61 Govt. schools of Delhi NCT.
- V. 38 professional institutions (colleges, academies, engineering colleges etc.) were also covered under this program.
- VI. Shows were also conducted in rural areas, which included Hissar, Aligarh, Faridabad, Agra, Gurgaon etc. Many rural-based schools were also covered during the period.

#### 3. FEEDBACK

Astronomy shows were liked by one and all who saw it, be it students, teachers or general public.

- <u>Feedback forms were randomly</u> filled up by students who saw the shows. Almost all feedback forms received from students were very appreciative of the shows. The student feedback had 5 questions that were to be rated as excellent, very good, good and satisfactory.
  - More than 90% have been rated as very good followed by excellent and good. On some of the feedback forms, students had put up their remarks aswell. These remarks have been given in the project completion report. Some of these feed back forms will be submitted as part of the project completion report in the form of CD. Some examples of student comments are as under:
  - a.Kustabh Aggarwal Class VI K; Very god show,I heard many things,learned many things.I will talk to my parents and join astronomy.
  - b. Namrata Raina VII E: The show was spectacular and it was a nice time spending while looking at the stars, planets & constellations. Amazing!

c.Nitya Goyal VII-E: I liked the show very much. The way sir told us about stars, planets and sun, was like imagining ourselves in space. I have interest in Astronomy so I even joined astronomy club. I wouls like to enjoi the session once more.

d.Leela Moza VI-A: It was very magical moment for me.I had never seen anything like this.It was so beautiful and informative I wish had more of these things in school.Love astronomy.

e. Astha Singh VIA: It was an amzing session in which I learnt about celestial bodies.

f.Poorvi MangalVIA; It is a fun activity and I guess I'll enjoy it very much!!.It was also an excellent experience.

ii. Schools gave their feedback on their school letterheads. All the schools were very appreciative of the efforts taken by the department to popularize amongst the students and wanted repeat visits at regular intervals.

All the feedback received from schools has been scanned and will be submitted as part of the project completion report in the form of CD.

#### Some examples of school feedback are as under:

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- a. Raja Ram Mohan Roy Public School Rohini New Delhi: "The shows were very informative and provided knowledge to the teachers and students about the position of stars in the sky in different seasons. It also explained about different constellations. Looking forward to your cooperation in future also."
- b. Ganga Devi Public School Badarpur New Delhi: "The shows provided very good knowledge of stars, planets, sun and moon. This type of programmes should be repeated time to time for the enhancement of knowledge of students and teachers."
- c. Nagar Nigam Adarsh Prathmik Balika Vidyalaya Meethapur Badarpur New Delhi: "The show was very interesting and knowledgeable. It provided very good knowledge of stars, planets, sun and moon. This type of programmes should be repeated time to time for enhancement of knowledge of students and teachers too."

iii. General public also gave their feedback at random Success stories with regards to using mobile planetarium in general and in rural areas in particular.

Almost all the schools, both from rural places or within the state of Delhi, wanted such shows at regular intervals to update the knowledge of both students and teachers.

## WEAKNESSES/DIFFICULTIES ENCOUNTERED DURING PROJECT IMPLEMENTATION PERIODS:

- 1. The delay in the start of project due to non supply of planetarium by National Council of Science Museum, Ministry of Culture, Govt. of India by about 1 year, was very crucial because many schools who had earlier agreed to become nodal schools as was originally envisaged under project proposal withdrew from their commitments when the planetarium was supplied to our organization in April 2011.
- Supply of planetarium in April 2011 left us with no scope to conduct school-based shows for short duration of April to 1<sup>st</sup> week of May 2011 as the schools were first busy with their new academic session-related works and later were to break for almost 2-month summer break.
- 3. To make up for the loss of show days in schools between April to June in 2011 & 2012, MIEF had no options but to make the best use of planetarium by requesting National Science Centre Pragati Maidan to allow it to use their space and conduct astronomy shows and on-the-spot astronomy quizzes in their premises because this place was visited by both schools and general public at large round the year. By adopting this methodology, we were able to justify our project activities during school non working days. On an average, schools work for just 190-200 days in an academic year.
- 4. Government schools in Delhi do not undertake any activity unless directed by Director Education. Although MIEF approached and met Director Education Dept and its officers on many occasions but was not successful in getting a circular issued to Govt. schools to allow us to conduct shows in their schools. A good number of months were lost in following up with Education Dept. at various levels. Whatever shows were conducted for Govt. school students, could take place only at the National Science Centre Pragati Maidan.
- 5. Kendriya Sangathan Delhi and Director NDMC did issue instructions to their schools to allow holding of astronomy shows but the decision to allow or not was left to the concerned school principals. Still many shows could be conducted at school premises.
- 6. Public schools in Delhi were always welcome to allow hold astronomy shows in their schools.

## 1. Observations of On the spot multi answer Quiz on Astronomy

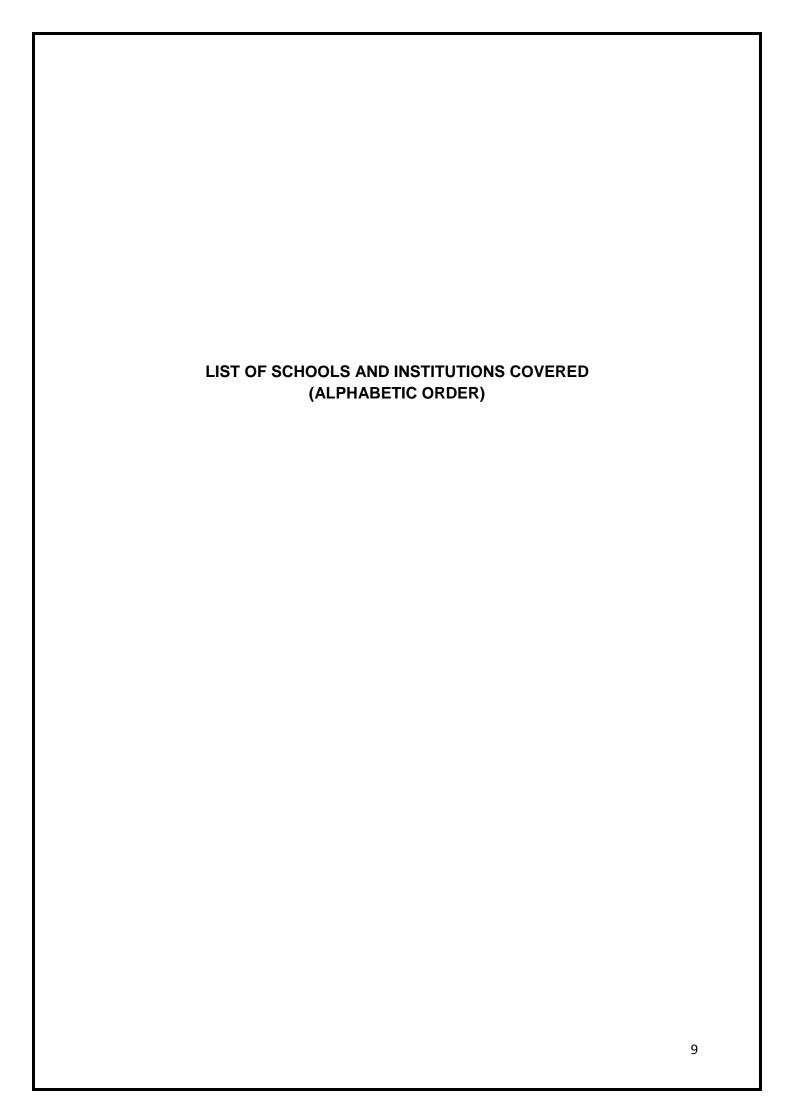
4860 students took part in on the spot quizzes. The quiz was multi answer type with respondent asked to tick mark the right answer. Question wise answers have been analyzed and results are given against each question as under. The most significant observation was that except for question nos 1 and 2,more than 50% answers when put together were either unanswered or wrongly answered. It clearly indicated how ill informed these students about astronomy sciences.

# Answers to Astronomy Quiz questionnaires in brief (in percentiles after analysis):

Q.No	Question	Answe	er (in %)
1	How did the universe come in existence: a. Bomb spot, b. Big Bang, c. Supernova Explosion, d. Nebula Explosion	Right answers: Wrong answers: Did no answer:	96.6 18.9
2	Our solar system is part of . a. Andromeda b. Milky Way,c. Orion,d. Gemini	Right answers: Wrong answers: Did no answer:	76.3 10.9
3	How much time does sun take to complete one revolution around centre of galaxy? a. ~ 205- 220 mill years,b. ~225-250 mill years,c. ~ 260- 280 mill years. d.~285-300 mill years	Right answers:	40.3 35.8 23.8
4	The Distance between Earth and sun is known as a. Astronomical unit, b. Universe unit, c. Solar unit, d. Galaxy unit	Right answers: Wrong answers: Did no answer:	34.5 38.0 27.3
5	The star which lies on the celestial pole is known as a. Polaris,b. Orion,c. Sirius,d. Ginat Star	Right answers: Wrong answers: Did no answer:	38.3 34.6
6	What does the color of a star indicate? a. Pressure,b. Temperature,c. Humidity,d. Density	Right answers: Wrong answers:	27.0 45.7 26.9
	Matter present in the center of sun is found in which State? a. Liquid, b. Solid,c. Gas and Plasma,d. In the form of light	Did no answer: Right answers: Wrong answers: Did no answer:	27.4 39.3 33.1 27.5
В	The name of the instrument use to measure the angle of star?  a. Sextant, b. Telescope,c. Altimeter,d. Barometer	Right answers: Wrong answers: Did no answer:	22.5 48.6 28.7
	Who is considered to be the father of modern Astronomy? a. Copernicus, b. Tolmy,c. Aryabhatta,d. Newton	Right answers: Wrong answers: Did no answer:	24.8 45.9
1	The Total Solar eclipse of 22 July 2009 was not seen in which country?  a. Nepal,b. Japan,c. Bhutan,d. Australia	Right answers: Wrong answers: Did no answer:	29.3 38.9 37.4 23.5

#### A. SUMMARIZED SHOW REPORTS

Taramandal Summarized Show Reports April 2011 to November 2012					
Month	School	No Student	No School	G public	General Public
	Shows	Covered	Covered	Shows	No Covered
April.11	28	682	10	72	1296
May.11	27	665	15	81	1458
June.11	1	17	1	119	2142
July.11	46	950	17	68	1242
August.11	63	1462	21	61	1098
September.11	52	1189	20	63	1134
October.11	64	1866	10	33	510
November.11	81	2024	30	40	769
December.11	117	2977	16	9	173
January.12	49	1431	5	64	1304
February.12	63	1828	5	22	335
March.12	14	310	4	64	1187
April.12	128	3850	4	Nil	Nil
May.12	36	768	5	56	1028
June.12	Nil	Nil	Nil	140	2923
July.12	69	2045	2	76	1627
August.12	63	1495	103	32	576
September.12	69	1975	11	21	126
October.12	77	2165	12	45	810
November.12	66	1932	23	14	303
Total	1113	29631	323	1080	20041
Shows (School +General Public ) = 2193		No of Person Seen Shows 49672	•	No of School	ol Covered 323



S.No	Name of School	Address
1.	Aadharshila School	Dattayana Chandpur UP
2.	Aadharshila School	Hurima Narnaul Haryana
3.	Aadharshila Vidyapeth	CD Block Pitampura, New Delhi
4.	Abhinav Public School	CU Block Pitampura, New Delhi
5.	Abhinav Public Sr. Sec.School	G-27, sec-3, Rohini , New Delhi
6.	Adarsh public school	Bali Nagar, New Delhi
7.	Ahlcon Public School	Mayur Vihar I New Delhi
8.	Air Force Sr. Secondary School	Race Course New Delhi
9.	Amity Institute of Education	M. block Saket New Delhi
10.	Amity Int'l School	Sector 44 Noida
11.	Amity international school	Mayur Vihar, Ph-I Delhi
12.	Arunodaya Public School	Karkardooma Delhi
13.	ASN Sr Secondary School	Mayur Vihar I,Delhi
14.	Bal Bharati School	Brijvihar Ghaziabad
15.	Bal Bharati School	Brijvihar Ghaziabad
16.	Bal Bharti Public School	Pitampura New Delhi
17.	Bal Bharti Public School	Faridabad
18.	Bal Bharati School	Brijvihar Ghaziabad
19.	Bal Bharti Public School	Pitampura New Delhi
20.	Bal Bharti Public School	Faridabad
21.	Bal Bharti Public School	Sir Ganga Ram Hospital Marg, Delhi
22.	Bal Bharti Public School	Sec-14, Extn Rohini, New Delhi
23.	Bal Bharti Public school	Pitampura New Delhi

24.	Bal Vidya Mandir	Sonepat Haryana
25.	Balwant Ray Mehta Public School	G.K II New Delhi
26.	BGS Niketan School	Ram Vihar Bypass Ghaziabad
27.	Bharti Public School	Mayur Vihar Phase III Delhi
28.	Blooming Dales Public School	Rohtak Haryana
29.	Bosco Public school	Paschim Vihar New Delhi
30.	Bosco Public School	Sunder Vihar, Paschim Vihar, New Delhi
31.	Cambridge Primary School	Dayanand Vihar Delhi
32.	CCA School	Sector 9 Urban Estate Gurgoan
33.	Chaudhry Balak Ram Public School	Shyam Park,Sahibabad
34.	Chinmaya Vidyalaya	Vasant Vihar New Delhi
35.	D A V Public School	Dwarika New Delhi
36.	D A V Public School	Dwarika New Delhi
37.	Darbari Lal DAV Model School	NDd Block, Pitampura, New Delhi
38.	Darshan Academy	Sant Kripal Singh Marg,Bhamashah Rd Delhi
39.	Darshan Academy	Sant Kirpal Singh Marg, Bhamashah Road, Delhi
40.	DAV Centenary Public School	Paschim Enclave, Rohtak Road, New Delhi
41.	Dav Public School	East of Loni Road Delhi
42.	DAV Public School	Pushpanjali Enclave Pitampura New Delhi
43.	DAV Public School	Pushpanjali Encl.
44.	DAV School	Sec 37 Faridabad
45.	Dayanand Public School	Model town New Delhi

46.	Dayanand Public School	Barola Sec 49 Noida
47.	Delhi Nagar Nigam Bal Vidhyalaya	Bhagirthi Vihar II Shahdara , Delhi ,
48.	Divine Dale Int'l School	Khalilpur Patudi Haryana
49.	Divine Dale Int'l School	Khalilpur Patudi Haryana
50.	Divine Global Academy	Baraut Bagpat
51.	Divine Global ACSD Bal Academy	New Delhi
52.	Divine Golbal Academy	Baraut Bhagpat UP
53.	DL DAV School	BN Block Shalimar Bagh New Delhi
54.	DPS International School	Pushp Vihar New Delhi
55.	Evergreen Public School	Vasundhra Enclave, Delhi
56.	Evergreen public school	Vasundhara Enclave, New Delhi
57.	Faith academy	J.L. Dorsey Marg Prasad Nagar Delhi
58.	G D Salwan Public School	Old Rajinder Nagar New Delhi
59.	G.D Goinka Public School	Greater Noida
60.	G.L.T. Saraswati Bal Mandir Sr. Sec. School	Nehru Nagar, New Delhi
61.	Ganga Devi Public School	Meethapur New Delhi
62.	Ganga Devi Public School	Om Nagar Meetha Pur New Delhi
63.	Ganga Devi School	Meethapur Badarpur New Delhi
64.	Ganga International School	Jhajjar Haryana
65.	Gayatri Public School	Agra
66.	GD Salwan Public School	Old Rajnder Nagar, New Delhi
67.	Genious Public School	Khera Bhakri Delhi
68.	Gitarattan Jindal Public School	Rohini New Delhi

69.	GNMR Public School	Bhupura Ghaziabad
70.	Good Saniratan School	Jasola New Delhi
71.	Goodley Public School	New Delhi
72.	Gov. Boys Senior	Molar band Badarpur New Delhi
	Secondary School	
73.	Guru Teg Bahadur Public School	Model Town New Delhi
74.	H R Serawat Public School	Satyam Vihar Najabgarh New Delhi
75.	Hamdard Public School	Hamdard Nagar Sangam Vihar,New
		Delhi
76.	Hansraj Public School	Punjabi Bagh New Delhi
77.	Heritage School	Sector 25 Rohini
78.	Heritageedu Park Public	Gopal Pur Noorpur Bijnor UP
	School	
79.	Hillsword Academy	Preet Vihar Delhi
80.	Hillwoods Academy	G Block Preet Vihar Delhi
81.	Holy Kingdom Vidyalaya	New Delhi
82.	Indian Public School	Som bazaar Pooja colony Loni Ghaziabad
83.	Indian School	P.O. BOX-1887, PC-111 CPO SEEB AI Ghubra Muscat, Sultanate Of Oman
0.4	L. F. O.L.	·
84.	Indian School	P O 513 Pc 117 Alwadi Al Kabir Muscat Sultanate Of Oman
85.	Indraprastha World School	Paschim Vihar New Delhi
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86.	J D S Manera School	Sector 9 Ghaziabad
87.	Jain Bharti Mrigavati Vidyalaya	G.T. Karnal Road, Delhi
88.	Janta High School	Totoli Rohtak Haryana
89.	Janta Public School	Rabhara Sonepat

90.	Jay Pee Public School	Sector 4 Rohini New Delhi
91.	Jeewan School	Ghaziabad Sangam Vihar Loni
92.	Jeewan Jyoti Public School	Gali no. 3/4 Sangam Vihar Loni
		Gaziabad
93.	Jeewan Jyoti Public School	Gali no. 3/4 Sangum Vihar Loni
		Gaziabad
94.	K D Model School	Thakran New Delhi
95.	K V Raghunath School	Futa Rd Ganga Vihar Delhi
96.	K.L.V Convent School	Nehru Vihar Delhi
97.	Kala Niketan Sr. Sec. Bal Vidyalaya	Durga Puri Extn. Delhi
98.	Kalaniketan Sr Sec Bal Vidya Vidyalaya	Durgapur Extn.Delhi
99.	Kelan Convent School	Jairut Road Aligarh
100.	Kenderiya Vidyalaya	Delhi Cantt.New Delhi
101.	Kendriya Vidyalaya	AGCR colony Delhi 92
102.	Kendriya Vidyalaya	Shadi Nagar New Delhi
103.	Kendriya Vidyalaya	Pushp Vihar New Delhi
104.	Kendriya Vidyalaya	Pushp Vihar New Delhi
105.	Kendriya Vidyalaya	Lodi Estate New Delhi
106.	Kendriya Vidyalaya	Rohini New Delhi
107.	Kendriya Vidyalaya Shift I	Tuglukabad New Delhi
108.	Kendriya Vidyalaya Shift II	Tuglukabad New Delhi
109.	Kendriya Vidyalaya	New Delhi
	Teachers	
110.	KIIT world school	Pitampura, New Delhi, Delhi
111.	Knowledge Valley School	Greater Noida

112.	Kulachi Hansraj Model School	Ashok Vihar New Delhi
113.	Kulachi Hansraj model school	Ashok Vihar New Delhi
114.	Kulachi Hansraj Model school	Ashok Vihar, Ph-III, New Delhi
115.	I.I.P School	Dawarika , New Delhi
116.	Lady Fatima Convent School	Old DLF Sec 14 Gurgaon
117.	Lancer Convent School	Plot no. 2 sec-14 Extn, Rohini, New Delhi
118.	Lancer Public School	New Delhi
119.	Lawrence Public School	C 3 Janakpuri New Dehli
120.	LEV foundation	New Delhi
121.	Lilawati Vidya Mandir Sr. Sec. School	Shakti Nagar, Delhi
122.	Lemieux Anand Hr. Secondary school	Panna M.P
123.	Little Moon Public School	Molar band Extension Badarpur New Delhi
124.	Lord Budha Public School	Aurangabad
125.	Lord Mahavir School	Sector 29 Noida
126.	Lotus Public School	Sant Nagar Delhi
127.	Lovely Public Senior Sec. School	Priyadarshini Vihar, Delhi
128.	Lovely Public Sr.Sec. School	251, New Layal Pur, Delhi
129.	M M Public School	Vasudha Enclave, Pitampura, Delhi
130.	M R V School	Tilak Nagar New Delhi

131.	M.C .D Primary Girls School	Palam Village New Delhi
132.	M.C.D Primary School	Vasant Park I New Delhi
133.	M.C.D Primary School	Sahipuri Delhi
134.	M.C.D Primary School	Jahangirpuri Delhi
135.	M.C.D Primary School	Tilak Nagar New Delhi
136.	M.C.D Primary School	Jagatpuri New Delhi
137.	M.C.D Primary School	Jagadpur New Delhi
138.	M.C.D Primary School	E Block Nangloi New Delhi
139.	M.C.D Primary School	Bhijwasan Delhi
140.	M.C.D Primary School	Kalyanpuri Delhi
141.	M.C.D Primary School	Vikaspuri New Delhi
142.	M.C.D Primary School	Shahpur New Delhi
143.	M.C.D Primary School	Sector 24 Rohini New Delhi
144.	M.C.D Primary School	Sector 25 Rohini New Delhi
145.	M.C.D Primary School	Marginal Band Old II,Delhi
146.	M.C.D Primary School	Sultanpuri New Delhi
147.	M.C.D Primary School	Nagloi Delhi
148.	M.C.D Primary School	Jawalapuri Delhi
149.	M.C.D Primary School	Mahila Colony Delhi
150.	M.C.D Primary School	Begumpuri New Delhi
151.	M.C.D Primary School	Burari New Delhi
152.	M.C.D Primary School	Jhandewala New Delhi
153.	M.C.D Primary School IInd Shift	Geeta Colony New delhi
154.	M.C.D School	DDA FLAT Kalkaji New Delhi
155.	M.R. Vivekanand public school	Krishna park, Extn. New Delhi
156.	Maa Saraswati Vidyalaya	Noida

	Mandir	
157.	Maharaja Agarsain Adarsh Public School	DU Block, Pitampura, New Delhi
158.	Maharaja Agarsain Public School	Ashok Vihar Phase-IV, New Delhi
159.	Maharaja Agarsen Public School	DU Block Pitampura New Delhi
160.	Maharaja Agarsen Public School	CD Block Pitampura New Delhi
161.	Mahavir Sr. Model School	Sangam Park Extn., G.T. Karnal Road Delh
162.	Mamta Modern Public School	Vikaspuri New Delhi
163.	Manasthali Public School	New Rajinder Nagar New Delhi
164.	Manav Rachna International School	Sector 4 Faridabad
165.	Masonic Public School	Vasantkunj New Delhi
166.	Maxfort School	Sector 23,Rohini New Delhi
167.	Mayo international school	P-S-5 institutional Area Patparganj Delhi
168.	Mayur Public School	Behind Mother Dairy, Delhi
169.	Mayur School	Sector 128, Noida
170.	Mayur School	Sector 128, Noida
171.	MC Boys Primary School	Tajpur Pahari New Delhi
172.	MC Boys Primary School	Village Meethapur Badarpur
173.	MC Boys Primary School	Barat Ghar Harizan Basti Badarpur
174.	MC Boys Primary School	Jeevan Park New Delhi
175.	MC Girls Primary School	Tajpur Pahari New Delhi
176.	MC Girls Primary School	Village Meethapur Badarpur

177.	MC Girls Primary School	Barat Ghar Harizan Basti Badarpur
178.	MC Primary School	Karkardooma Shahdara
179.	MC Primary School	Janak Puri New Delhi
180.	MCD Primary School	Tahirpur No I New Delhi
181.	MCL Saraswati Bal Mandir Sr Sec School	I Block,Hari nagar New Delhi
182.	Mera Sahara School	Nithari Noida
183.	Modern Public School	B Block Shalimar Bagh New delhi
184.	Mothers Child Public School	Foota Rd New Delhi
185.	Moti Ram Memorial Girls School	Dilshad Garden Delhi
186.	Mount Abu Public School	Sector 5 Rohini New Delhi
187.	Mount Abu Public School	Sec-5, Rohini, New Delhi
188.	MRV School	Mukaram Park Extn.Tilak Nagar New Delhi
189.	N C Jindal Public School	Punjabi Bagh New Delhi
190.	N P Boys Sr Secondary School	Bapudham Malcha Rd New Delhi
191.	N P Girls Sr Secondary School	Bapudham Malcha Rd New Delhi
192.	N P Middle School	Kitchnar Road New Delhi
193.	N P Primary School	Sanjay Gandhi Camp Delhi
194.	N.R Public School	Raj Nagar Palam New Delhi
195.	Nagar Nigam Pratmik School	Lalita Park Laxmi Nagar Delhi
196.	Nav Bharti Public School	Deepali, Pitam Pura, Delhi
197.	Nav Jiwan Public School	Shadara Nand Colony Delhi
198.	Navag College of Education	Rohtak Haryana

199.	Navyug School	Sarojini Nagar New Delhi
200.	New Era Public school	G-17, Area Paschim Vihar, New Delhi
201.	New Moon Light Public School	Foota Road Loni Gaziabad
202.	Nigam Prathmik Vidhayala	Chilla Saroda Sahadra South Area Delhi
203.	Nigam Prathmik Vidhayala	B-2 Raghveer Nagar Ii New Delhi
204.	Nigam Pratibha Model School	Mangolpuri New Delhi
205.	Nirmal Bharti School	Sec 4 Dawarika , New Delhi
206.	Nutan Bal Vidyalaya	Sagarpur New Delhi
207.	Prabhu Dayal Public School	Dakshini A,Shalimar Bagh New Delhi
208.	Pragyan School	Greater Noida
209.	Pransu Foundation	Kalka Ji New Delhi
210.	Preet Public Sr. Sec. School	Preet Vihar, B- Block, Delhi
211.	Presidency School	Gurgoan
212.	Promise Institute	Vasant Vihar New Delhi
213.	Queen Mary's School	Northend , Plot No. 4a, Model Town Delhi
214.	R D Memorial School	HN Gukunda Ghaziabad
215.	R M Arya Girls Sr. Sec school	Raja Bazar New Delhi
216.	R.E.D Sr. Sec. School	Jahjar Haryana
217.	Rabea Girl Public School	Qasimjan St Ballimaran New Delhi
218.	Rahul Model Public School	Agra UP
219.	Raja Ram Mohan Roy Public School	Madhuban Chowk Rohini New Delhi
220.	Ram Vidya Mandir School	Kherikalan Faridabad

221.	RIA International School	College Road Sadpura, Sec78 Faridabad
222.	Richmond Global School	Paschim Vihar New Delhi
223.	RK Mission High School	Khanpur U.P
224.	RPVV School	Shalimar Bagh New Delhi
225.	Rukmani Devi Jaipuria Public School	23, Rajori Road New Delhi
226.	Rukmani Devi Public School	CD Block, Pitampura, New Delhi
227.	S D Public School	B U Block Pitampura New Delhi
228.	S D Public School	BU Block, Pitampura, New Delhi
229.	S.D. Public School	East Punjabi Bagh, New Delhi
230.	S.D. Public school	East Punjabi Bagh, New Delhi
231.	S.D. Public school	B u Block, Pitampura New Delhi
232.	S.D. Public school	BU Block, Pitampura, New Delhi
233.	S.R.DAV Public School	Dayanand Vihar Delhi
234.	Sachdeva Public School	Sector 13 Rohini New Delhi
235.	Sainik school`	Tamil Nadu
236.	Sandley Public School	Press Colony Rajuri Garden New Delhi
237.	Sanskar Bharti Public School	Swaroop Nagar New Delhi
238.	Sanskriti School	Chanakiya Puri ,New Delhi
239.	Sant Nirankari Public	Sec 16 A Faridabad
	School	
240.	Santi Niketan Public School	Mawana Road Meerut U.P
241.	Sapphire International School	B block Anand Vihar Delhi
242.	Sardar Patel Public School	A-25 Dayal Bagh Erose Garden Fdb.

243.	Sarvodaya Kanya Vidyalaya	B-3, Paschim Vihar New Delhi
244.	Satara International School	Vasundara Enclave Delhi
245.	Satyam Shivam School	Lakkarpura Faridabad
246.	Shah Int'l Public School	Ambica Vihar, Paschim Vihar, New Delhi
247.	Shri Hazari Lala Public School	Khira kalan New Delhi
248.	Shri Shanti Sagar Mahavidyalay	Mewat Haryana
249.	Shriram Shiksha Mandir Sr Sec School	Jindpur New Delhi
250.	Siddharath Int'l Public School	East of Loni Road Delhi
251.	Siddharth Public School	Tateshwar Extn.New Delhi
252.	Sir Ganga Ram Hospital	Rajinder Nagar New Delhi
253.	SLS DAV School	Mausam Vihar New Delhi
254.	Smile Foundation	Green Park New Delhi
255.	SMP School	Nagloi New Delhi
256.	Sneh Int'l School	New Rajdhani Enclave, Delhi
257.	Sneh international school,	New Rajdhani Enclave, Delhi
258.	Spectram Academy	Azamgarh UP
259.	Sri Guru Tegh Bahadur Khalsa Boys Sr. Sec. School	Dev Nagar , New Delhi
260.	Sri Radha Krishan	Sonia Vihar New Delhi
	Ramjatan Public School	
261.	St PBN Public School	Iffico Chowk Sector 17 Gurgoan
262.	St. Andrew Scots Senior secondary school	I.P. Extension (Patparganj), Delhi

263.	St. Devashram Mission	Shastri Nagar Meerut
	Public School	
264.	St. Margaret sr. Sec. School	D- Block Prashant Vihar, Rohini Delhi
265.	St.Marks Sr.Secondary Public School	Meera Bagh New Delhi
266.	St.Prayag Public School	Pitampura New Delhi
267.	Star Public School	Kishengarh Rd,Khairtal Alwar Rajasthan
268.	Sugam Public School	Gali no. 15 Madhu Vihar Delhi ,
269.	Swami Vivekanand Public School	Taru Gurgoan
270.	Telgu Middle School	Sector 12 R K Puram
271.	The Heritage School	Sec 62 Gurgaon
272.	The Srijan School	North Model Town New Delhi
273.	TRM Public School	Noida
274.	Udyan Care (NGO)	Mayur Vihar I New Delhi
275.	Universal Public School	A block Preet Vihar Delhi
276.	Universal Public School	Preet Vihar Delhi
277.	Uttranchal Public School	Badarpur New Delhi
278.	V.V.D.A.V Public School	Akhancha Delhi
279.	Venkateshwar Global School	Sector-13,Rohini- New Delhi
280.	Vidhva Bharati Public School	Kundali Sonepat
281.	Vidya Bal Bhavan Sr Sec.School	Kondli Mayur Vihar III,Delhi
282.	Vidya Jain Public School	Rohini
283.	Vikalp Public School	Jasbir Colony Rly Colony Rohtak
284.	Vikas Bharati Public School	Sector 24 Rohini New delhi

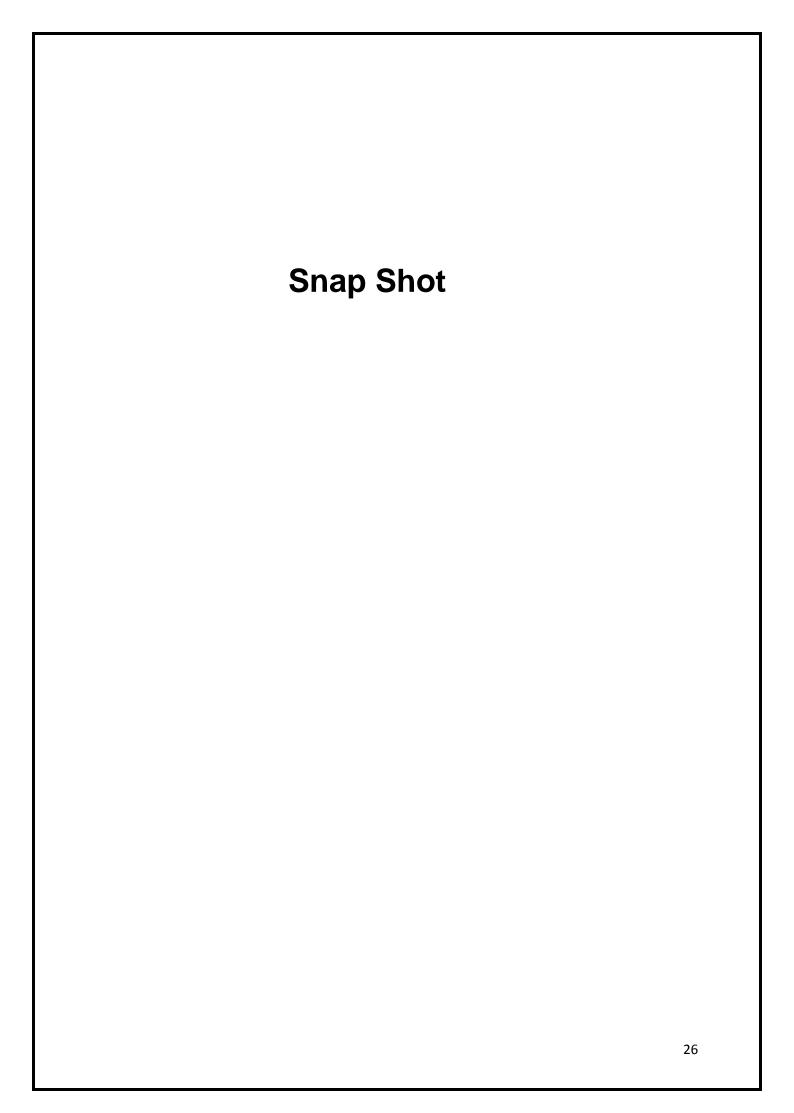
285.	Vimal Hriday Convent School	Dulari Kalan Village Rewari
286.	Virendha Public School	Timarpur Delhi
287.	Vishal Bharti School	Paschim Vihar, New Delhi

## **Colleges and institutions**

1.	Moolchand Nursing College	Lajpat Nagar New Delhi
2.	Al Falah Engineering college	Dauj Fridabad
3	Nightinangle Institute Of Nursing	C-23 sec 62 Noida
4	Sir Ganga Ram Hospital	Rajinder Nagar New Delhi
5	Amrita Kaur Nursing College	Central School Andrews Ganj New Delhi
6	BNSD Inter College	Kanpur
7	Govt. Queen Inter College	Jhansi UP
8	DIET	Bareilly U.P
9	MD Jain Inter College	Agra
10	MN Inter College	Agra
	Girls Inter College	Agra
11	MN Inter College	Agra
12	BRS inter College	Faridabad
13	Queen Victoria Inter College	Agra
14	MSMJC	Raja Mandi Agra
15	St. Partricks Junior College	Agra
16	Maharana Partap Inter College	Agra

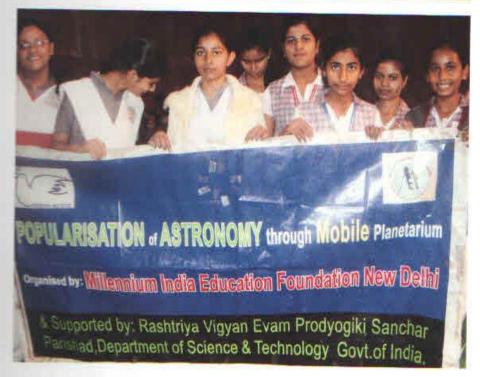
17	Amrita Educational Vocational And Cultural Society	Libaspur Delhi
18	Indian School Al Ghubra	P.O. BOX-1887, PC-111 CPO SEEB Muscat, Sultanate Of Oman
19	Indian School Alwadi Al Kabir	P O 513 Pc 117 Wadi Kabir Muscat Sultanate Of Oman
20	Jia Bai ITI for women college	Sirifort New Delhi
21	Dipsanj Foundation	Jalgoan Maharastra
22	Sri Sri Sewa Mandir	Sector 9 Noida
23	ITI Pusa	Pusa New Delhi
24	Spectram Academy	Azamgarh UP
25	Kendriya Vidyalaya Teachers	New Delhi
26	LEV foundation	New Delhi
27	B.Ed college	Greater Noida
28	Udyan Care (NGO)	Mayur Vihar I New Delhi
29	Promise Institute	Vasant Vihar New Delhi
30	Pransu Foundation	Kalka Ji New Delhi
31	St. Stephen,s Multimedia Institute	South X New Delhi
32	Child Future Welfare Society	New Delhi
33	PG Rajputana College	Jaipur Rajasthan
34	Al Falah Engineering college	Dauj Fridabad
35	M.G Inter College	Hathras UP
36	Navag College of Education	Rohtak Haryana
37	Manav Institute of Engineering	Hissar Haryana

38	Adarsh Yuva Manch	L D-1/93 Bhalaswa J.J Colony
		Delhi



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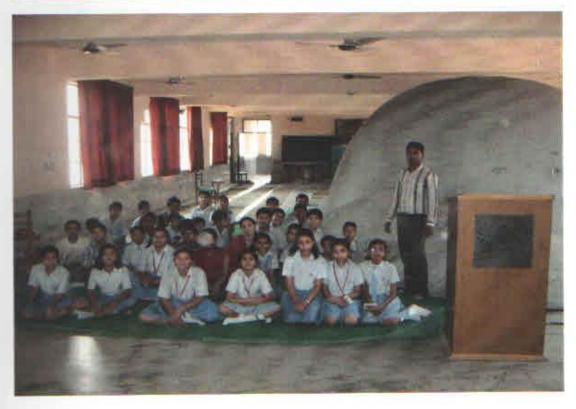
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Project: Popularization of Astronomy through Mobile Planetarium (Tarumandal Project completion report by Millennium India Education Foundation(MIEF) SNAP SHOTS





Project: Popularization of Astronomy through Mobile Planetarium (Taramanda)
Project completion report by Millennium India Education Foundation(MIEF)
SNAP SHOTS



