

ACTIVITY REPORT

2017- 2018

Birla Industrial & Technological Museum
&
Shrikrishna Science Centre, Patna
Regional Science Centre, Bhubaneswar
North Bengal Science Centre, Siliguri
Digha Science Centre & National Science Camp
District Science Centre, Purulia
Bardhaman Science Centre
Dhenkanal Science Centre
Kapilas Science Park

With best compliments from

Shri A. D. Choudhury

Director General
National Council of Science Museums

Sk. E. Islam

Director
Birla Industrial & Technological Museum

Birla Industrial & Technological Museum
(National Council of Science Museums, Ministry of Culture, Govt. of India)
19A, Gurusaday Road, Kolkata - 700 019
Phone - 2287 7241/42/43, 9477345290/1/2
Email: director@bitm.gov.in, website: www.bitm.gov.in
Facebook - www.facebook.com/bitm.kolkata

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Message

Introduction

The year 2017-18 was quite an eventful time for BITM and its satellite units as many new facilities were thrown open to the public during this period. BITM opened a thoroughly renovated 'Motive Power Gallery', a modern Biotechnology Laboratory and a 3D Film entitled 'Galapagos Islands'. Dhenkanal Science Centre inaugurated new exhibits 'Elliptical Mirror', 'Check Your Weight' and a scale down Nuclear Power Plant model. A new park exhibit 'Water Lifting Wheel' was installed at Kapilas Science Park. SSC, Patna launched a new Mobile Science Exhibition on 'Popular Science'. RSC, Bhubaneswar inaugurated a new 3D Theatre. NBSC, Siliguri inaugurated its Innovation Hub and a New Auditorium.

Many temporary exhibitions were hosted in various science centres, namely, 'Disasters, Preparing for the worst' at Bardhaman Science Centre, 'Science in everyday life' at BITM, 'Hiroshima and Nagasaki Explosion' at Digha Science Centre.

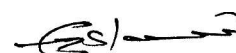
40th Foundation Day of NCSM, Earth Day, National Technology Day, International Museum Day, World Environment Day, International Yoga Day, Children's Day, National Science Day, Birth Anniversary of Sardar Vallabhbhai Patel, Swachhata Pakhwada, Hindi Pakhwada, International Women's Day were celebrated with student centric programmes by BITM and all its units.

A host of educational activities for making science more popular were carried out during the year. Mention may be made of Science & Technology Fairs, Summer Vacation Science Camps, Festival of Video Films, Innovation Festivals, Science Seminars, Science Drama, Popular Lectures, Sit & Draw competition, Science Demonstration Lectures, Science Shows, Taramandal Shows, and Mobile Science Exhibitions in rural Schools etc. National Science Seminar 2017 on 'Swachh Bharat: Role of Science and Technology - Promises and Challenges' was held at BITM, Kolkata. BITM and its units participated in various Mega Fairs organized by State Govt. and like minded organizations with interactive exhibits and panel exhibitions.

Various Training programmes were organized e.g., Computer Aided Learning for headmasters, fabrication of teaching aids and 'Learning with moving images' for teachers, 'Intellectual Property Rights (IPR) for Innovation Hub and Biotech Lab members at BITM, NBSC, Siliguri, Shrikrishna Science Centre Patna, DSC, Purulia, Bardhaman Science Centre etc.

In carrying out its activities during 2017-18, BITM received support from various like-minded organizations like US Consulate, Kolkata, American Centre, Kolkata, Australian National University and London Science Museum besides many NGOs in Eastern India.

All the efforts that BITM and its satellite units had put in during the year for popularization of science resulted in a quantum jump in visitor turnout.



E. Islam
Director

Birla Industrial & Technological Museum



General Information

1. Birla Industrial & Technological Museum

- i. Name of Head of Museum : Sk. E. Islam, Director
 ii. Full Address : 19A, Gurusaday Road, Kolkata - 700019
 iii. Phone No and : 033 2287 7241, 2287 7242, 2287 7243, 9477345291/2, iv. Fax : 22870233
 v. Email : director@bitm.gov.in vi. Website:www.bitm.gov.in
 vii. Hours of opening : 10 am to 5:30 pm
 viii. Closed to visitors on : Doljatra and Kalipuja
 ix. Entry Fee :

a) Museum Entry

- i. General Visitors - Rs.40.00 per head
 ii. 25 or more Visitors in a group - Rs.30.00 per head
 iii. Students in Groups - Rs.20.00 per head
 iv. Govt. School Students in Group - Rs.10.00 per head

***New Ticket Rates implemented
from 1st September 2017***

b) Taramandal Show

- i. General Visitors & Students - Rs. 10.00 per head,
 ii. Govt. School Students in Group - Rs.5.00 per head

c) Coal Mine Show

- i. General Visitor - Rs. 15.00 per head,
 ii. 25 or more Visitors in a group : - Rs.10.00 per head
 iii. School Group - Rs. 5.00 per head

d) 3D show

- i. General Visitors- Rs. 30.00 per head
 ii. 25 or more Visitors in a group - Rs.25.00 per head
 iii. School Group - Rs. 20.00 per head,
 iv. Govt. School Students in Group - Rs.10.00 per head

e) Science Show

- i. General Visitors & Students - Rs. 10.00 per head
 ii. Govt. School Students in Group - Rs.5.00 per head

- x. Inaugurated on : 2nd May 1959
 xii. Floor Area in Sq. mtrs.: 10351.95

f) Package Rate Tickets

(includes one science show + 3D show + coal mine show + visit to all galleries + Chromakey shows in TV + show in Spark Theatre + Math demo in Mathematics Gallery)

- i. General Visitors- Rs. 75.00 per head
 ii. 25 or more Visitors in a group : - Rs.65.00 per head
 iii. School Group - Rs. 45.00 per head,
 iv. Govt. School Students in Group - Rs.30.00 per head

2. . RSC, Bhubaneswar

- i. Name of Head of Centre : Shri Amit Mondal, Project Coordinator
 ii. Full Address : Pt. J. L. Nehru Marg, Bhubaneswar - 751 013, Odisha
 iii. STD Code with Phone No : 0674 2542795, 2541435
 iv. Email: rscbbsr@yahoo.com, rscbbsr@rediffmail.com
 v. Website : www.rscbhubaneswar.org
 vi. Hours of opening : Mondays 10 am to 5:30 pm. Other days 10:30 am to 7 pm (April to June) and 10:30 am to 6 pm (July to March)
 vii. Closed to visitors on : Holi & Diwali
 viii. Entry Fee :

a) Centre Entry

- i. General Visitors - Rs.25.00 per head
 ii. 25 or more Visitors in a group - Rs.20.00 per head
 iii. Students in Groups - Rs.10.00 per head
 iv. Govt. School Students in Group - Rs.5.00 per head

b) Jurassic Park

- i. General Visitors - Rs. 20.00 per head
 ii. 25 or more in a group - Rs. 15.00 per head
 iii. Students in Groups - Rs.10.00 per head
 iv. Govt. School Students in Group - Rs.5.00 per head

c) Taramandal Show

- i. General Visitors & Students : Rs 10.00 per head
 ii. Govt. School Students in Group - Rs.5.00 per head

***New Ticket Rates implemented
from 1st September 2017***

2. RSC, Bhubaneswar (Contd.)

d) Science Show

- i. General Visitors & Students - Rs 10.00 per head
- ii. Govt. School Students in Group - Rs.5.00 per head

e) 3D Show

- i. General Visitors - Rs. 25.00 per head
- ii. 25 or more Visitors in a group - Rs. 20.00 per head
- iii. Students in Groups - Rs. 15.00 per head
- iv. Govt. School Students in Group - Rs. 10.00 per head

viii. Inaugurated on :

18th Sept 1989

ix. Floor Area in Sq. mtrs:

4307.79

3. SSC, Patna

- i. Name of Head of Centre :
- ii. Full Address :
- iii. STD Code with Phone No :
- iv. Email :
- v. Website :
- vi. Hours of opening :
- vii. Closed to visitors on :
- viii. Entry Fee :

Shri Amitabh, Project Coordinator
West Gandhi Maidan, Patna - 800001
0612 2206992
vigyanendrapatna@gmail.com
<http://www.sksciencecentre.org/>
10.30 to 6.30 P.M

Holi & Diwali

a) Centre Entry

- i. General Visitors - Rs. 25.00 per head
- ii. 25 or more Visitors in a group - Rs. 20.00 per head
- iii. Students in Groups - Rs. 10.00 per head
- iv. Govt. School Students in Group - Rs. 5.00 per head

b) Taramandal Show

- i. General Visitors & Students in group - Rs. 10.00 per head
- ii. Govt. School Students in Group - Rs. 5.00 per head

c) Science Show

- i. General Visitors & Students in group - Rs. 10.00 per head
- ii. Govt. School Students in Group - Rs. 5.00 per head

d) 3D Show

- i. General Visitor - Rs. 25.00 per head
- ii. 25 or more Visitors in a group - Rs. 20.00 per head
- iii. School Group - Rs. 15.00 per head
- iv. Govt. School Students in Group - Rs. 10.00 per head

e) Space & Astronomy Centre

- i. General visitor - 25.00 per head
- ii. 25 or more Visitors in a group - 25.00 per head
- iii. Student in group - 15.00 per head

ix. Inaugurated on :

14th April 1978

x. Floor Area in Sq. mtrs : 5000.69

4. DSC, Purulia

- i. Name of Head of Centre :
- ii. Full Address :
- iii. Phone No :
- iv. Email :
- v. Hours of opening :
- vi. Closed to visitors on :
- vii. Entry Fee :

Shri Ritabrata Biswas, Project Coordinator
North Lake Road, Purulia - 723101
9593383386
dscpurulia@gmail.com, districtsciencecentrepurulia@gmail.com
11:30 to 7 pm April to July and 10:30 am to 6:30 pm August to March
Doljatra and Kalipuja

a) Centre Entry

- i. General Visitors - Rs. 15.00 per head
- ii. 25 or more Visitors in a group - Rs. 10.00 per head
- iii. Students in Groups - Rs. 10.00 per head
- iv. Govt. School Students in Group - Rs. 5.00 per head

b) Taramandal Show

- I) General Visitors & Students - Rs. 10.00 per head
- II) Students in groups - Re. 5.00 per head

c) Science Show

- I) General Visitors & Students - Rs. 10.00 per head
- II) Students in groups - Re. 5.00 per head

***New Ticket Rates implemented
from 1st September 2017***

DSC, Purulia (Contd.)

d) 3D Show

i) General Visitors & Students - Rs. 20.00 per head

ii) 25 or more in a group - Rs. 15 per head

iii) Students in groups - Rs. 10.00 per head

e) Royal Museum Tour Package for General (Entry & including all show) – Rs. 35.00

f) Gold Museum Tour Package for General (Entry & including 3D) – Rs.25.00

viii. Inaugurated on :

15th Dec, 1982

ix. Floor Area in Sq. mtrs : 1637

5. Science Centre, Bardhaman

i. Name of Head of Centre :

Shri Niranjana Gupta, Project Coordinator

ii. Full Address :

Ramna Maidan, Baburbag P.O. Rajbati Dist.
Purba Bardhaman- 713104

iii. STD Code with Phone No :

0342 2657844

iv. Email :

sciencecentrebn@gmail.com

v. Hours of opening :

11 am to 6:30 pm March to Oct., 10:30 am to 6 pm Nov. to February
Doljatra and Kalipuja

vi. Closed to visitors on :

Centre Entry

vii. Entry Fee :

i. General Visitors - Rs. 20.00 per head

ii. 25 or more in a Group : Rs. 15.00 per head

iii. Organised School Group : Rs. 10 per head

iv. Govt. Schools students in Group : Rs. 5.00 per head

***New Ticket Rates implemented
from 1st September 2017***

Taramandal Show

i. General Visitors– Rs. 10.00 per head

ii. Students in Group : Rs. 5.00 per head

Science Show

i. General Visitors– Rs. 10.00 per head

ii. Students in Group : Rs. 5.00 per head

3D Show

i. General Visitors - Rs. 20.00 per head

ii) 25 or more in a group - Rs. 15 per head

ii. Students in Group : Rs. 10.00 per head

viii. Inaugurated on :

9th January 1994

ix. Floor Area in Sq. mtrs : 2117 Sq. Mtrs

6. Dhenkanal Science Centre

i. Name of Head of Centre :

Shri Nikunja Bihari Sahu, District Science Officer

ii. Full Address :

Near Rajbati, At/Po/Dist- Dhenkanal- 759001

iii. STD Code with Phone No :

06762 224155

iv. Email :

funsciencedkl@gmail.com

v. Hours of opening :

10:00 am - 6:00 pm

vi. Closed to visitors on :

Holi & Diwali

vii. Entry Fee :

a) Centre Entry

i. General Visitors - Rs. 15.00 per head

ii. Students in Group- Rs. 10 per head

iii. Govt. School Students in Group - Rs. 5.00 per head

b) Taramandal Show

i. General Visitors - Rs. 10.00 per head

ii. Students in Group- Rs. 10.00 per head

iii. Govt. School Students in Group - Rs. 5.00 per head

c) 3D show

i. General Visitors - Rs. 15.00 per head

ii. Students in Group- Rs. 10.00 per head

iii. Govt. School Students in Group - Rs. 10.00 per head

d) Science Show

i. General Visitors - Rs. 10.00 per head

ii. Students in Group - Rs. 10.00 per head

iii. Govt. School Students in Group - Rs. 5.00 per head

Dhenkanal Science Centre (Contd.)

viii. Inaugurated on : 5th June 1995
ix. Floor Area in Sq. mtrs : 1280

7. Kapilas Science Park

i. Name of Head of Centre : Shri Nikunja Bihari Sahu, District Science Officer
ii. Full Address : P.O. Deogaon, Near Kapilas Zoo, Dist. Dhenkanal- 759016
iii. STD Code with Phone No : 06762 280544
iv. Email : funsciencedkl@gmail.com
v. Hours of opening : 09:00 am to 5:00 pm
vi. Closed to visitors on : Holi & Diwali
vii. Entry Fee :
i. General Visitors - Rs 10.00 per head
ii. Students in Group - Rs. 5.00 per head
viii. Inaugurated on : 5th June 1995
ix. Floor Area: 4.8 acres (Park)

8. NBSC, Siliguri

i. Name of Head of Centre : Shri Dhrubajyoti Chattopadhyaya, District Project Officer
ii. Full Address : Post Matigara Siliguri - 734010 Dist. Darjeeling
iii. STD Code with Phone No : 0353 2571229
iv. Email & Website: nbcsiliguri@bsnl.in / nbcsiliguri1997@gmail.com
<http://www.nbcsiliguri.org>
v. Hours of opening : 10:30 am to 6 pm
vi. Closed to visitors on : Holi & Diwali
vii. Entry Fee :
a) Centre Entry
i. General Visitors - Rs. 20.00 per head
ii. 25 or more Visitors in a group - Rs. 15.00 per head
iii. Students in Groups - Rs. 10.00 per head
iv. Govt. School Students in Group - Rs. 5.00 per head
b) Digital Planetarium
i. General Visitors - Rs. 25.00 per head
ii. 25 or more in a group - Rs. 20.00 per head
iii. Students in Groups - Rs. 15.00 per head
iv. Govt. School Students in Group - Rs. 10.00 per head
c) Taramandal Show
i. General Visitors & Students in a group : Rs. 10.00 per head
ii. Govt. School Students in Group - Rs. 5.00 per head
d) Science Show
i. General Visitors & Students in a group - Rs 10.00 per head
ii. Govt. School Students in Group - Rs. 5.00 per head
e) 3D Show
i. General Visitor - Rs 20.00 per head
ii. 25 or more Visitors in a group - Rs. 15.00 per head
iii. School Group - Rs. 10.00 per head
iv. Govt. School Students in Group - Rs. 10.00 per head
viii. Inaugurated on : 17th Aug 1997
ix. Floor Area in Sq. mtrs: 2598

***New Ticket Rates implemented
from 1st September 2017***

9. Digha Science Centre & National Science Camp

i. Name of Head of Centre : Shri Subha Sankar Ghosh, Project Coordinator
ii. Full Address : Fore shore Road, New Digha- 721 463 West Bengal
iii. STD Code with Phone No : 03220 266360
iv. Email : dscdigha@gmail.com
v. Hours of opening: 9 am to 7 pm
vi. Closed to visitors on : Doljatra and Kalipuja

Digha Science Centre & National Science Camp

vii. Entry Fee :

a) Centre Entry

- i. General Visitors - Rs.20.00 per head
- ii. 25 or more Visitors in a group - Rs.15.00 per head
- iii. Students in Groups - Rs. 10.00 per head
- iv. Govt. School Students in Group - Rs. 5.00 per head

b) Jurassic Park

- i. General Visitors - Rs. 15.00 per head
- ii. 25 or more in a group - Rs. 10.00 per head
- iii. Students in Groups - Rs. 10.00 per head
- iv. Govt. School Students in Group - Rs. 5.00 per head

***New Ticket Rates implemented
from 1st September 2017***

c) Taramandal Show

- i. General Visitors & Students in a group - Rs. 10.00 per head
- ii. Govt. School Students in Group - Rs.5.00 per head

d) Science Show

- i. General Visitors & Students in a group - Rs 10.00 per head
- ii. Govt. School Students in Group - Rs. 5.00 per head

e) 3D Show

- i. General Visitors- Rs 20.00 per head
- ii. 25 or more Visitors in a group - Rs. 15.00 per head
- iii. School Group - Rs. 10.00 per head
- iv. Govt. School Students in Group - Rs. 10.00 per head

f) Sky Observation Programme – Rs. 5.00 per head.g) Space & Astronomy Centre

- i. General Visitors- Rs.25.00 per head
- ii. 25 or more Visitors in a group – Rs. 20.00 per head
- iii. Students in groups – Rs.15.00 per head
- iv. Govt. School Students in Group – Rs. 10.00 per head

viii. Inaugurated on :

31st Aug 1997

ix. Floor Area in Sq. mtrs :

2589.25

Innovation Hub

<i>Name of the Museum</i>	<i>Date of Inauguration</i>
BITM, Kolkata	23 rd August, 2013
Bardhaman Science Centre	10 th July, 2015
SSC, Patna	7 th October, 2016
NBSC, Siliguri	16 th February, 2018
Biotechnology Lab	
BITM, Kolkata	2 nd May, 2017

Space and Astronomy Centre

<i>Name of the Museum</i>	<i>Date of Inauguration</i>
NBSC, Siliguri	3 rd April, 2010
SSC, Patna	7 th October, 2016
Digha Science Centre	9 th February, 2018



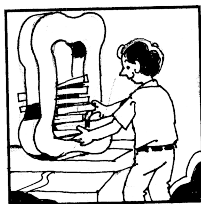
Visitors to Museum/Centre

	BITM Kolkata	RSC, Bhub	SSC, Patna	DSC, Purulia	Sc. Cent. Bardh	Sc. Cent Dhen	N.B.Sc. Cent. Siliguri	Digha Sc. Cent	Kapilas Sc. Park
School Groups	1115	403	643	285	258	75	568	533	79
Students	87384	29745	40,042	40,127	64,770	4312	33,696	29,045	6,525
Visitors in spl. prog	16523	35397	48,345	19,095	30,463	13,095	32,801	2,714	2,266
General visitors	119108	114932	2,02,238	1,17,485	1,11,148	33,023	2,28,044	4,81,224	16,461
In-house- Visitors during the year	2,23,015	1,80,074	2,91,404	1,76,867	2,06,381	50,430	2,94,541	5,12,839	25,252
Outreach Visitors including visitors in MSE	3,24,380	1,48,597	1,43,073	1,88,078	1,77,158	54,058	1,30,583	72	-
Total Visitors during 2017-18	5,47,395	3,28,671	4,34,477	3,64,945	3,83,539	1,04,488	4,25,124	5,12,911	25,252
Visitors since inaug.	1,49,29,648	55,29,999	70,45,108	8037995	37,91,435	4,86,981	41,02,223	57,05,171	1,32,739



Mobile Science Exhibition

Museum/Centre	Title of the Unit	Museum that developed the unit	No. of Exhibits	Year in which developed
BITM, Kolkata	Heat & Temp.	RSC, Bhub.	20	2010
BITM, Kolkata	Mathematics	NBSC, Siliguri	20	2007
SSC, Patna	Popular Science	BITM Kolkata	20	2017
RSC, Bhub	Mathematics	RSC, BBSR	20	2011
	Electricity & Magnetism	RSC, BBSR	24	2012
DSC, Purulia	Popular Science	BITM, Kolkata	24	2012
SC, Bardhaman	Fun Science	BITM, Kolkata	24	2013
N.B.S.C., Siliguri	Hands on Science	BITM, Kolkata	24	2014
SC, Dhenkanal	Popular Science	BITM	24	2012



Existing Galleries

Museum/Centre	Name of the Gallery	Floor Area (Sq. mtr.)	Year of Inauguration	No. of Exhibits
Birla Industrial & Technological Museum, Kolkata	Transport	350	1973 & 2008	94
	Mock-up Coal Mine	475	1983 & 2008	65
	Motive Power Hall 1	475	2001	34
	Motive Power Hall 2	210	1962 & 2005	47
	Metals	360	2003	50
	Fascinating Physics	189	2006	65
	Television	255	2006	67
	Popular Science	210	1964 & 2007	45
	Mathematics	475	2009	45
	Children's gallery	260	1988 & 2010	42
	Electricity	170	1984 & 2015	66
	World in Darkness	265	2009	19
Shrikrishna Science Centre, Patna	Mirror Image & 3D	462	2010 & 2013	53
	Fun Science	400	2008 & 2016	63
	Evolution	400	1996	67
	Ocean Gallery, Hall of Activity & Mirror	-	-	-
	Section	260	-	71
	S. K Singh Gallery	50	1978	20
Regional Science Centre, Bhubaneswar	Popular Science	550	2009	60
	Motion	465	2004	39
	Mathematics	465	2006 & 2015	86
District Science Centre, Purulia	Wealth of Purulia	186	2005	31
	Popular Science	186	2010	40
	Children's Gallery	95	2011	21
	Life Science	186	2016	42
Bardhaman Science Centre	Human Performance	450	2002	30
	Life Science & Fun Science	450		23
			2011	14
Dhenkanal Science Centre	Popular Science - I	225	1995	42
	Popular Science - II	225	1995 & 2010	34
North Bengal Science Centre, Siliguri	Fun Science	380	2010	37
	Popular Science	380	1997	19
	Life Science & Children's Corner	120	1997	12
	Nature Interpretation	400	2001	17
	Light, Mirrors & Images	380	2017	32
Digha Science Centre	Life Science	247	2006	29
	Reflection	247	2010	30
	Jurassic Park	1666	2009	10
	Fun Science	247	2014	32

NEW FACILITIES

*** Motive Power Gallery and Biotechnology Lab at BITM**

On the 48th Anniversary of BITM, two new facilities, a renovated Motive Power Gallery and a Laboratory on Biotechnology was be thrown open to public on May 2, 2017 by Dr. Partha P Majumder, Former Director & Distinguished Professor, NIBMG, Kalyani.

*** 3D Film at BITM**

BITM inaugurated a new 3D Film entitled 'Galapagos Islands' in its 3D Theatre on September 1, 2017. Mr. Masayuki Taga, Consul General of Japan in Kolkata and Mr. Vinay K Goenka, Hony. Consul of Ecuador in Kolkata inaugurated.

*** Exhibits at Dhenkanal and Kapilas**

DSC, Dhenkanal inaugurated two new exhibits i.e. 'Elliptical Mirror' in the gallery and 'Check Your Weight' in the park. Kapilas Science Park installed a new park exhibit 'Water Lifting Wheel' on June 5, 2017

*** MSE Bus at SSC, Patna**

New MSE Bus on 'Popular Science' was inaugurated on July 1, 2017 by Dr. Ashok Choudhary, Hon'ble Education Minister, Bihar at SSC, Patna. Padmashree Prof. R. K. Sinha, Vice Chancellor, Nalanda Open University and Prof. L. N. Ram, former V.C. Patna University were present in the inaugural function.

*** Nuclear Power Plant Model at Dhenkanal Science Centre**

A 150:1 scale down Nuclear Power Plant model donated by NPCIL, Mumbai was inaugurated at Dhenkanal Science Centre August 9, 2017 by Shri B. S. Poonia, Collector and DM, Dhenkanal on the occasion of Nagasaki Day. The Centre also conducted Quiz, Debate and Essay writing amongst school children. Films on Nuclear Energy supplied by NPCIL, Mumbai were also screened on the occasion.

*** 3D Theatre at RSC, Bhubaneswar**

A new 3D Theatre was inaugurated at RSC, Bhubaneswar on September 16, 2017 by Shri Badrinarayan Patra, Minister, School & Mass Education, S & T, Govt. of Odisha in the presence of Shri Ratnakar Rout, I.A.S., Director, Secondary Education and RMS, Govt. of Odisha.

*** Innovation Hub and a New Auditorium at NBSC, Siliguri**

An innovation centric science laboratory 'Innovation Hub' and a New Auditorium was inaugurated at NBSC on February 16, 2018 by Shri Gautam Deb, Hon'ble Minister in Charge, Dept. of Tourism, Govt. of West Bengal in the presence of Ms. Joyoshi Das Gupta, DM, Darjeeling.

INAUGURATION OF EXHIBITIONS

Exhibition 'Saath Hain, Biswas Hain, ...Ho Raha Vikash Hain'

The Directorate of Advertising and Visual Publicity (DAVP), Ministry of IB, Govt. of India organized an exhibition entitled 'Saath Hain, Biswas Hain, Ho Raha Vikash Hain' from 7th to 11th June, 2017 at BITM. Song and Drama Division, Govt. of India performed magic show, play, musical presentations on the policies and programmes of Govt. of India during the exhibition period.

Inauguration of Exhibitions (contd.)

*** Photo Exhibition 'Hiroshima and Nagasaki Explosion'**

Digha Science Centre inaugurated a photo exhibition 'Hiroshima and Nagasaki Explosion' in memory of the victims of first atomic explosion on August 9, 2017.

*** Travelling Exhibition 'Disasters, Preparing for the worst'**

The Exhibition titled 'Disasters, Preparing for the worst' was inaugurated at Bardhaman Science Centre on September 27, 2017 by Dr. Nirupama Goswamy, Regional Director, Netaji Open University, Kalyani, Nadia.

*** Exhibition by Students with Cerebral Palsy**

BITM hosted an exhibition on "Science in everyday life" organized by Indian Institute of Cerebral Palsy students from 21st to 23rd November, 2017. Mr. Masayuki Taga, Consul General of Japan in Kolkata inaugurated.

*** Naya Bharat Hum Karke Rahenge**

Directorate of Audio Visual Publicity, Ministry of I & B, Govt. of India organized a 50 panel exhibition, namely, "Naya Bharat Hum Karke Rahenge", depicting various schemes launched by Government of India in the field of Information Technology, Youth Power, Woman & Child Health, Alternative Source of Energy, Agriculture, Eradication of poverty and corruption etc. from 27th to 31st March, 2018.

PARTICIPATION IN MEGA EXHIBITIONS

* BITM participated in the 11th Konnagar Book Fair & Flower Exhibition organized by Konnagar Municipality with a Fun Science Show on 14th December, 2017. 5000 students and general visitors enjoyed.

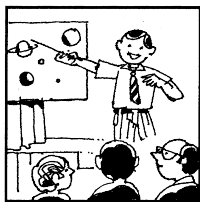
* BITM participated with a Fun Science exhibits in Sishu Mela, Naihati Utsav 2017 organised by Naihati Utsav Welfare Committee from 14th to 31st December, 2017. 25,000 students and general public visited BITM's exhibition.

* BITM took part in science exhibition organised by Naihati Mahendra High School in the collaboration with Naihati Mahendra Primary School from 4th to 7th January, 2018 with Fun Science Exhibits. 500 students and general public visited.

* BITM participated with Fun Science Exhibits in the Khardaha Sanskritik Utsav, organized by Agrasar Samaj Kalyan Centre from 14th to 18th December, 2017. Visitors 20,000.

* RSC, Bhubaneswar participated in State Level Sishu Mahotsava (SURAVI-2017) from 14th to 16th November, 2017 by displaying Mobile Science Exhibition on 'Electricity & Magnetism' and Special Science Demonstrations at Govt. Boys High School, Unit-IX, Bhubaneswar. 2900 students and visitors enjoyed.

* SSC, Patna participated with an MSE unit on 'Popular Science' in the 'Bihar Divas' celebrated at Gandhi Maidan Patna from 22nd to 24th March, 2018. 15000 people visited the exhibition.



Special Events

Festival of Innovation and Creativity

- * 100 students of DPS Ruby Park participated in a workshop titled 'Build your own Idea' on 24th August, 2017 at BITM Innovation Hub.
- * Tinker Fest - a showcase of hands-on skills and creativity in school children was exhibited on 15th & 16th December 2017 at BITM. The event was jointly organized by MakersLoft, Bichitra Pathshala, The Telegraph Young Metro, Biome and BITM.
- * BITM and Rotary Club of Calcutta South West with the Indian Chamber of Commerce & Industry organized an Innovation Festival for students' on 10th June, 2017
- * NBSC, Siliguri organized Science and Innovation Festival 2018 from 29th to 31st January, 2018. Science Model Exhibition, Lecture, Quiz, Film Shows and Cultural Programme were organized.
- * Innovation Festival was organised at Shrikrishna Science Centre Patna on 19th and 20th January, 2018. Padmashree Dr. C. P. Thakur, Hon'ble M.P. inaugurated. 32 student groups and 7 grass root innovators participated.
- * DSC, Purulia organized Science Festival 2018 from 29th to 31st January, 2018.
- * Bardhaman Science Centre organized a series of lectures on Science Innovation from 12th to 25th February, 2018. 3883 students participated from 19 school of Purba Burdwan.

Observation of Lunar Eclipse and Blood Moon

- * BITM made arrangements for viewing Lunar Eclipse and Blood Moon on 31st January, 2018.
- * Dhenkanal Science Centre held a sky observation programme for viewing Lunar Eclipse, Super Moon and Blood Moon through Celestron telescope.

Wild Life Week

Bardhaman Science Centre observed Wild Life Week from 2nd to 7th October, 2017 through Sit & Draw, Open House Quiz, Popular Science Lecture etc. 864 students and teachers assembled.

Observance of Southern Solstice

NBSC, Siliguri, in association with, Sky Watchers' Association of North Bengal observed the day of Southern Solstice on 21st December, 2017 with observation through telescope with solar filters and solar projection system. An Open House Quiz was also organized.

Science Film Festival

- * RSC, Bhubaneswar, Digha Science Centre and Bardhaman Science Centre organized a Science Film Festival by screening Award Winning Science Films of 7th National Science Festival during 15th January to 25th February, 2018. 3529 students, teachers, general visitors enjoyed.
- * BITM in collaboration with Society for Audiovisual Study on Life and Environment organized a Video Festival on 3rd & 4th February, 2018. 6 eminent wildlife film makers/photographers participated. Audiences – 120 general public.

Special Event Contd.

SDL Festival

A special Science Demonstration Lecture (SDL) Festival on Chemical Reaction, Acid Base & Salt and Properties of Air was organized from 11th to 16th September, 2017 at District Science Centre, Purulia. 17 SDL shows were arranged for 1990 students and teachers.

Meet the Scientist

Padmashree Prof. (Dr) R. K. Sinha, Vice Chancellor, Nalanda Open University interacted with the members of Innovation Hub and other students on 15th July, 2017 at SSC, Patna. 140 school students attended.

Science Exhibition

RSC, Bhubaneswar, in collaboration with, S & T Dept., Govt. of Odisha organized State Level Students' Science Exhibition on December 23, 2017. 60 students from 30 districts of Odisha, Cuttack and Bhubaneswar participated. The exhibition was inaugurated by Dr. P. K. Bhanja, Secretary, S & T Dept., Govt. of Odisha. 1500 students, teachers and general public visited.

Biotechnology Boot Camp

3 Biotechnology Boot Camps were organized at Digha Science Centre 28th October to 10th December, 2017 under Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata. 'Anthropogenic effect on Coastal Ecosystem' was discussed.

Olympiad Examination (NSEA and NSEJS)

The preliminary tests for Astronomy Olympiad i.e. National Selection Examination in Junior Science (NSEJS) and National Selection Examination in Astronomy (NSEA) was conducted at NBSC, Siliguri on 19th and 26th November, 2017 respectively. 58 students, in NSEJS, and 57 students, in NSEA, enrolled.

Workshop for Physics teachers and Talk on 'Black Hole'

Shri Samar Bagchi, former Director, BITM conducted a day long workshop on developing low cost experiments on 6th October, 2017 at SSC, Patna. 40 Physics teachers attended. Dr. Saumya Chakraborty, Emeritus Professor, California State University delivered a talk on 'Black Hole'. 200 college and P.G. students attended.

Children Science Congress

25th district level Children Science Congress on 'Science, Technology and Innovation for sustainable development' was organized on 10th October, 2017 at SSC, Patna in association with Science for Society, Bihar and District Children Science Committee. 260 students with 52 projects from 20 schools participated.

Workshop on Photography

NBSC, in association with Sky Watchers' Association of North Bengal, organized a Workshop on 'Photography for Beginners' on 24th & 25th March, 2018 for students and general public.

Workshop on Astronomy & Night Sky Observation

A 3-day Workshop on Astronomy & Night Sky Observation was organized at DSC, Purulia from 28th to 30th March, 2018. 50 students registered.

Special Events Contd.

Festival on 'Mental Health and Disability'

An unique festival, titled 'Open the Door', for exploring the talents, potentialities & creativities of children with mental illness, was jointly organized by Turning Point, an NGO and BITM on 10th and 11th February, 2018. There were quiz, poster competitions, seminars, drama, cultural programme, recitation, fashion show, film show and panel discussion. US Consul General in Kolkata Mr. Craig Hall & his wife Mrs. Meeryung Hall inaugurated the programme. 250 students 6 schools participated.

Lecture for Tribal Children

RSC, Bhubaneswar organized a Special Science Demonstration Lecture in Diganta Special Institution for tribal children at Patrapada, Cuttack on 22nd October, 2017. 500 students along with 30 teachers enjoyed.

Workshop on 'Scientific Explanation of Superstition'

A workshop on 'Scientific Explanation of Superstition' was organised at SSC, Patna on 25th August, 2017 in association with Prem Youth Foundation, Patna. 68 persons participated. An Anti-Superstition show was also arranged.

Workshop on 'Intellectual Property Right'

Bardhaman Science Centre organized a workshop on 'Intellectual Property Right (IPR)' on 19th November, 2017 at Innovation Hub of Bardhaman Science Centre. 119 school students participated.

VISIT OF FOREIGN STUDENTS/DIGNITARIES/EXPERTS

* A team of Bangladeshi Officials headed by Mr. Swapan Kumar Roy, Director General, National Museum of Science & Technology, Dhaka, Bangladesh visited BITM on 18th May, 2017.

* Marilyn Hoyt, a member of the Board of the Association of Fundraising Professionals – NY and also Chairperson of the Audit Committee of New Knowledge, USA, visited BITM on 9th October, 2017.

* Mr. Gemma Levett, Head of Consultancy and Touring, Ms. Nina Langlie, Partnerships Manager, Ms. Ling Lee, Content Curator and Ms. Lorna Williams, Learning Curator from London Science Museums visited BITM on 7th March, 2018.

WORKSHOP BY FOREIGN EXPERTS

* BITM and US Consulate, Kolkata organized an interactive session with two Forensic Experts from U.S., namely, Lieutenant Colonel Kevin M. Pritz and Dr. Meghan-Tómasita Cosgriff-Hernández on 1st June, 2017. The session was attended by 210 school students and teachers.

* BITM hosted a Science Show entitled 'Science Circus' and a Science Workshop entitled 'Train the Trainer' on 22nd June, 2017 for 200 students and 40 Science Communicators from BITM, NCSM, Science City, CRTL and ISNA. The program was conducted by Dr. Graham Walker and Dr. Stuart Kohlhagen, both from Australian National University. The event was jointly organized by NCSM, Australian National University and Australian Government.

* Dr. Sharmila Bhattacharya, Director of the Bio model Performance Laboratory, NASA delivered a lecture on "Our future journey to deep space" on 7th February, 2018 at BITM. The programme was jointly organized with the American Centre, Kolkata. 218 students from Schools, Colleges, University attended the lecture.



Collaborative Programmes

BITM, Kolkata

* A Poster Drawing Competition on 'Cancer & Environment Pollution' and Niroprova Memorial Lecture on 'Outside and inside of a cell : A major link to Cancer' by Prof. Samit Chattopadhyay, Director, IICB, Kolkata was held on 30th November, 2017 at BITM.

* World Environment Day jointly with Malancha on June 5, 2017

* BITM and Rotary Club of Calcutta South West with the Indian Chamber of Commerce & Industry organized an Innovation Festival on June 10, 2017.

* BITM observed 157th Birth Anniversary of Acharya Prafulla Chandra Ray on August 02, 2017 in collaboration with Acharya Prafulla Chandra Sammilani.

* BITM and US Consulate, Kolkata organized an interactive session with two Forensic Experts from U.S. on June 1, 2017

* BITM and Toxics Link, an NGO, jointly organized a Seminar on "Swachh Kolkata - Are we really working toward it?" on 11th August, 2017

* BITM hosted the 43rd Eastern India Science Fair and the 17th Science and Engineering Fair from January 9th to 13th, 2018. The Fair was supported by P.C. Chandra Jewellers, MCKV Institute of Technology and Titagarh Wagons Ltd.

* 133 Headmasters were trained in Computer Aided Learning (CAL) on 18th July, 2017 at BITM. The second phase of HM/TIC Orientation Programme was held at BITM on 2nd August, 2017 involving 122 Head Masters and Teachers-in-charge for 7 Districts of West Bengal. Both were jointly organized with Sarva Shiksha Mission, Govt. of West Bengal.

* International Yoga Day on June 21, 2017 with Yogoda Satsanga Society of India.

* BITM hosted a Science Show entitled 'Science Circus' and a Science Workshop entitled 'Train the Trainer' on June 22, 2017. The event was jointly organised by NCSM, Australian National University and Australian Government.

* The DAVP, Ministry of IB, Govt. of India organized an exhibition entitled 'Saath Hain, Biswas Hain, Ho Raha Vikash Hain' from 7th to 11th June, 2017 at BITM

* DAVP, Ministry of I & B, Govt. of India organized an exhibition, "Naya Bharat Hum Karke Rahenge", from 27th to 31st March, 2018

* BITM hosted an exhibition on "Science in everyday life" organized by Indian Institute of Cerebral Palsy students from 21st to 23rd November, 2017.

* An unique festival, titled 'Open the Door', was jointly organized by Turning Point, an NGO and BITM on 10th and 11th February, 2018.

BITM organized various programmes on the occasion of Swachhata Pakhwada on September 16, 18 & 20, 2017 in collaboration with Song & Drama Division, Ministry of IB, Govt. of India and Medica Super Specialty Hospital.

Collaborative Programme Contd.

RSC Bhubaneswar

* MSE Programme, * State Level Science Drama Competition, * Teachers Training Workshop, * State Level Science Seminar, * State Level Science Quiz, * State Level Sishu Mahotsava, * Science Workshop for differently abled students, * State Level Science Exhibition, * Screening of Award Winning Science Films.

District Science Centre, Purulia

* Seminar on Environment Awareness Campaign with of Dept. of Chemistry, SKB University, Purulia on 12th February, 2018

* World AIDS Day on 1st December 1, 2017 with Zilla Swasthya Bhaban, Dept. of Health & Family Welfare, Govt. of West Bengal

* World Tuberculosis Day with Dept. of Health & Family Welfare, RNTCP, Zilla Swasthya Bhaban, Purulia on 24th March, 2018.

* Teachers' Training Programme as part of 'Nirmal Vidyalaya Avijan' with District Project Office, SSM, Purulia on 22nd August, 2017

* Science Film Festival 2018 with Vigyan Prasar, Govt. of India from 5th to 10th February, 2018

* Purulia District Level Student Youth Science Fair on 8th and 9th January, 2018 with DYO, Depts. of Youth Services & Sports and School Education, Govt. of West Bengal

Shrikrishna Science Centre, Patna

* State Level Science Drama Competition, * Bihar State Level Role Play competition, * Patna District Level Children Science Congress, * State Level Science Seminar, * State Level Inspire Award Fair.

North Bengal Science Centre, Siliguri

* District Level Students' Science Seminar with District Youth Office, Govt. of West Bengal on 9th August, 2017.

* HM's Orientation Programme on Computer Aided Learning on 24th & 25th August, 2017 with sarva Shiksha Mission

* Teachers' Training Programme under CAL from December 18 to 22, 2017 with Paschim Banga Sarba Shiksha Mission, Siliguri

* National Mathematics Day programme with Raj Kishore Bose Mathematical Society 22nd December, 2017

* Workshop on Photography for Beginners titled 'Science of Photography' on 24th & 25th March, 2018 with Sky Watchers' Association of North Bengal

Bardhaman Science Centre

* Hindi Pakhwada jointly with Hindi Manch, Burdwan from 1st to 14th September, 2017.

* District level Science Fair 2017 in collaboration with District Youth Office, Burdwan organized on 4th and 5th January, 2018

* District Level Science Seminar 2017 for Bardhaman East & West in association with District

BITM, Kolkata (Contd)

Youth Office, Burdwan on 'Swachh Bharat: Role of Science & Technology, Promises and challenges'. Seminar on 21st August, 2017

* A Science Film Festival was jointly organized with Vigyan Prasara during 19th to 25th February, 2018.

Digha Science Centre

East Medinipur District Level Students' Science Seminar on the Topic "Swachh Bharat :Role of Science & Technology Promises & Challenges", in collaboration with Dept. of Youth Service, Govt. of West Bengal on 30th August, 2017.

Dhenkanal Science Centre

* Mobile Science Exhibition in the districts of Mayurbhanj, Sundergarh, Angul and Dhenkanal with TE & SCERT, Odisha and Sarva Siksha Abhiyaan, Dhenkanal

* District Level Science Seminar with District Education Office (DEO) , Dhenkanal

* Teachers Training Programme in collaboration with Siksha Vikash Samiti, Odisha

Science Drama by School Students

* 13 teams participated in the Kolkata District Science Drama Competition held at BITM on July, 27, 2017. 'Ek Kadam Swachhta Ki Aur' by Modern High School for Girls was the best drama.

* NBSC Siliguri organized Unit Level Science Drama Competition on July 28, 2017. 'Laboratorir Nam Totapara' presented by Haiderpara Buddha Bharati High School Siliguri stood first.

* DSC, Purulia, organized Science Drama Competition on July 25, 2017. Six teams participated. RBB High School, Purulia won the competition. Dr. Nachiketa Bandyopadhyay, Registrar, S-K-B University, Purulia inaugurated. 220 spectators attended.

* Science Drama Contest was organized at Digha Science Centre on July 22, 2017. 16 teams participated. 'Nutan Alor Disha' by Mahishadal Gayeswari Girls' High School was the best.

* West Bengal State Science Drama Competition was held at BITM on August 9, 2017. 9 schools participated. Pratt Memorial School, Kolkata won with their drama 'Sagarer Alo'.

* Bardhaman Science Centre organized the Science Drama Competition on July 28, 2017. 7 teams participated. Palla Road Girls High School and Burnpur Girls High School were the topers. 175 students enjoyed.

* RSC, Bhubaneswar organised State Science Drama Competition on August 11, 2017 in collaboration with TE & SCERT Odisha. 5 teams staged their drama. The team from Panchayat Raj High School, Kanapura, Dhenkanal stood first.

* Bihar State Science Drama Competition was organised by SSC, Patna on August 1, 2017 with SCERT, Bihar. 9 teams participated. Zila School, Purnea was adjudged the best. Padmashree Prof. R. K. Sinha, VC, Nalanda Open University gave away the prizes. 220 visitors attended.

Eastern India Science Drama Competition

Eastern India Science Drama Competition was held at BITM on August 17, 2017. 4 states participated with 4 dramas. Panchayat Raj High School, Kanapura, Dhenkanal, Odisha won with their drama 'ma : Chasama'.



Science Park

Museum/Centre	Area	No. of Exhibits	Date of Inauguration
SSC, Patna	1 acre	46	1979
RSC, Bhubaneswar	5 Acre	36 prehistoric animals	2002
		21 Science Park exhibits	Re-inaugurated in 2010
DSC, Purulia	1 Acre	41	1977
Science Centre Bardhaman	3 Acre	46	1992
Digha Science Centre	1.7 Acre	30	1997
N.B.S.C. Siliguri	4.6 acres	25	1997
Science Centre Dhenkanal	4.25 Acres	34	1995
Science Park Kapilas	4.8 Acres	78	1995



Mobile Science Exhibition

+ Museum/Centre	Theme of the Exhibit	No. of Exhibition Sites	No. of Exhibition days	No. of Film Shows	No. of visitors in film shows	No. of visitors in exhibitions	Km. Travelled
BITM, Kolkata	Heat & Temperature and Mathematics	74	156	146	53,972	2,37,545	2,513
SSC, Patna	Popular Science	50	115	110	33,503	1,11,707	2,180
DSC, Purulia	Popular Science	47	137	70	44,479	1,37,599	1,442
RSC, Bhub	'Mathematics' & 'Electricity & Magnetism'	87	208	82	23,915	1,12,602	6,362
Bardh. Sc. Cent.	Fun Science	57	157	54	33,718	1,43,440	1,442
NBSC, Siliguri	Hands on Science	45	80	82	26,160	57,098	1,326
Dhen. Sc. Cent.	Popular Science	48	142	34	6,823	33,956	2,341



Science Demonstration Lecture

Museum/Centre	No. of Lectures held in Museum	No. of Students in Museum	No. of Lectures held outside	No. of Student outside
<i>BITM, Kolkata</i>	89	5003	82	42,428
<i>SSC, Patna</i>	44	3,605	60	32,525
<i>RSC, Bhubaneswar</i>	52	4,040	82	17,250
<i>DSC, Purulia</i>	51	6,018	59	35,018
<i>Sc.Cent.Bardhaman</i>	63	11,781	55	11,605
<i>N.B.S.C. Siliguri</i>	53	2855	46	14520
<i>Sc.Cent.Dhenkanal</i>	9	462	3	600
<i>Digha Science Centre</i>	40	1,957	-	-



Exhibits Developed

	BITM, Cal	RSC, Bhub	SSC, Patna	SC, Bardh	DSC, Puru	NBS-C, Sili	DSC, Digha	SC, Dhen
Gallery Exhibits	46	2	21	4	-	-	-	1
Duplicate Exhibits	-	-	-	-	-	-	-	-
Park Exhibits	22	-	-	3	9	1	-	2
MSE Exhibits	-	-	-	-	-	-	-	-
Kits/Aids	-	6	-	4	-	-	-	-
Duplicate Kits/Aids	-	-	-	64	-	5	-	-
Temporary Exhibition Exhibits	2	-	-	-	-	-	-	-
Total	70	8	21	75	9	6	-	3

Exhibit developed during 2017-18

BITM, KOLKATA

Gallery Exhibits : (for SRSC, Bargarh – Thematic Gallery)

1. RGB Painting (Colour Contrast)
2. 3D Anaglyph
3. Magic Mirror

4. Elliptical Mirror Wall
5. Pyramid Hologram
6. Bird in a cage
7. Changing Colour
8. All Eyes on Me
9. Seeing is not Believing
10. Uneasy Tunnel

Exhibit developed during 2017-18

Gallery Exhibits : (for SRSC, Bargarh – Thematic Gallery)

11. Photo Mosaic
12. Curving Tunnel
13. Mirage
14. Twin Spherical Mirror
15. Self Centred Mirror
16. 3D Anamorphoses – I
17. 3D Anamorphoses – II
18. Zoetrope
19. Video Spinner

(For SRSC, Bargarh – Fun Science Gallery)

1. Chaotic Ball
2. Planetary Motion
3. Sympathetic Swing in X, Y, Z axis
4. Floating Ball
5. Transfer of Momentum
6. Grand Shuttle
7. Curie Point
8. Jumping Disc
9. Levitating Dish
10. Music in the Air
11. Illusion with a ring
12. Spinning Eraser
13. Liquid Painting (Colour Subtraction)
14. Moire Pattern
15. Head on Platter
16. Infinity Well
17. Anamorphoses (2D)
18. Rising Arc
19. Spark Wheel
20. Pythagoras' Theorem

(For SRSC, Bargarh – Fun Science Gallery)

21. Acrobatic Stick
22. All roads lead to Rome (Ellipse)
23. All roads lead to Rome (Parabola)
24. Square & Star Wheel
25. Wave Motion

Park Exhibits (for SRSC, Bargarh)

1. Sympathetic Swing (Face to face)
2. Sympathetic Swing
3. Swing is a Pendulum
4. Lift Yourself
5. Check your weight
6. Elliptical Speaking Tube
7. Nipkov's Disc
8. Action Reaction
9. Turn Faster
10. Echo Tube
11. Isis speaks
12. Bird in a cage

13. Size and Distance
14. Musical Pipes
15. Lithophone
16. Win the Race
17. Periscope – See through Wall
18. Pipes of Pan
19. Tic-Tac-Toe
20. Whispering Garden
21. Camera Obscura
22. Wave Motion

Temporary Exhibition Exhibits :

Gravitational Waves (Panel Exhibit) : 2 nos.

RSC, BHUBANESWAR

Gallery Exhibits

1. Bhulbhulaiya (Mirror Maze)
2. Reflection & Lateral Inversion

DSC, DHENKANAL

Gallery Exhibits

1. DNA

Park Exhibits

1. Water Wheel
2. Check Your Weight (Platform type)

SC, BARDHAMAN

Gallery Exhibit

1. Clapping Tree
2. Climbing a Tree
3. Number Memory
4. Video racing

Park Exhibits

1. Periscope
2. Giant Yo-Yo
3. Sympathetic Swing (Face to face)

Kits

1. Seismograph,
2. Digital In-out Display,
3. Hydraulic Jack,
4. Faraday's Magnetic Field Induction Expt.

NBSC, SILIGURI

1. Gear Train (**Park Exhibits**)

DSC, Purulia

For Dino Park

- | | |
|------------------|------------------|
| 1. Stegosaurus | 7. Brachiosaurus |
| 2. Pteranodon | 8. T-Rex |
| 3. Oviraptor | 9. Ankylosaurus |
| 4. Iguanodon | |
| 5. Corythosaurus | |
| 6. Archaeopteryx | |

Exhibit developed during 2017-18

SSC, Patna

Children Gallery :

1. Light & Colour Table
2. Fun Board
3. Ball Pool
4. Car Ride
5. Bike Ride
6. Science On a Sphere (SOS) Theatre

Panel Exhibition on "The Earth System"

7. The Earth System-I: Introduction
8. The Earth System-II
9. Interconnection

SSC, Patna

10. Inside the Earth-I
11. Inside the Earth-II
12. Atmospheric pressure and winds
13. Ocean Currents
14. Cyclones & Anti-Cyclones
15. Clouds-I
16. Clouds-II
17. Vegetation around the Globe
18. Air Traffic around the Earth
19. Marine Traffic around the Earth
20. Global Climate Change-I
21. Global Climate Change-II



Science Education

	BITM, Calcutta	SSC, Patna	RSC, Bhub	DSC, Purulia	Sc. Cent. Bardh	NBSC, Siliguri	Sc. Cent. Dhen	Digha Sc. Cent
Digital Planetarium Shows								
Shows held	-	916	-	-	-	1,732	-	1947
Visitors	-	30,516	-	-	-	31,794	-	44,247
Popular Lecture								
No. of Lectures	11	12	12	8	22	18	8	17
Audience	2451	2415	1085	965	4,114	2,030	960	1,025
Taramandal Show								
No. of Shows	786	20	516	692	551	619	283	188
Audience	10,938	184	6,330	10,991	5,329	15,689	2,002	2,560
Science Quiz								
Contests	76	39	124	71	64	51	55	64
Participants	1,313	166	6,275	1,890	94	2,460	4,752	84
Visitors	2,535	2,210	-	2,420	1,834	585	1,102	1,125
Sky Observation								
No. of Prog. held	53	32	118	52	65	52	51	50
Visitors	1,526	2,512	2,474	2,260	975	3,465	583	884

Popular Lectures

RSC, Bhubaneswar

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Shri Gaurav, Director, Regional Museum of Natural History, Bhubaneswar	Science for Society'	04.04.2017
2. Prof. R. Ramesh, HOD Earth Science Dept, NISER, Bhubaneswar	'Global Warming and other burning issues related to earth'	22.04.2017
3. Dr. Pramod Kumar Mohapatra Executive, Editor, The Samaj, Cuttack	New technology and invention	11.5.2017
4. Dr. V. Badireenath, Associate Professor, Department of Biology, NISER, Bhubaneswar	'Role of Science Centre in propagating science'	18.5.2017
5. Shri Pravakar Barad, Joint Director, Directorate of Census Operations Odisha	"Population burden and overcoming the Problems".	11.07.2017
6. Shri H S Satpathy, Education Officer	Nuclear Energy and Disaster	06.08.2017
7. Dr. J K Panigrahi, HOD, Dept.of Zoology, Jayadev College	Swachhata	22.9.2017
8. Prof. Preetish Ch. Acharya, Prof.in History R.I.E., Bhubaneswar	Indian Iron Man	31.10.2017
9. Dr Gyana Ranjan Pradhan, Physiotherapist and Consultant, R.K.S.K., Bhubaneswar	'Physiotherapy and its benefits'	08.11.2017
10. Dr. Pradyumna Kishore Mohapatra, Scientist, Regional Medical Research Centre, Bhubaneswar	'Mosquitoes and diseases they create'	10.11.2017
11. Dr.Jyotshna Mohapatra, Retd. Chemistry Lecturer, RIE, Bhubaneswar	Awareness on HIV – AIDS for the students	19.12.2017
12. Dr. V Badireenath, Associate Professor, Dept. of Biology, NISER, BBSR.	Various life processes in the animal Kingdome	28.2.2018

Dhenkanal Science Centre

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Shri N.B.Sahu, DSO, Dhenkanal Science Centre	Importance of Science Museums in the Society	04.04.2017
2. Shri Sudhananda Parida, OES Class-I, District Education Officer, Dhenkanal	Environmental Education in Schools	05.06.2017
3. Sh. Kailash Chandra Rout, Yoga Expert, Bharatiya Yoga Sansthan, Bhubaneswar Chapter	Yoga for Health	21.06.2017
4. Mrs. Minati Dehury, Block Education Officer, Gondia	Implementation of Swachh Bharat Programme in Schools	26.09.2017
5. Dr. J.C.Mahapatra, Additional District Medical officer, Dhenkanal	Know AIDS, No AIDS	01.12.2017

Kapilas Science Park

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Sh. N.B.Sahu, DSO, Dhenkanal Science Centre	Science Education for all	04.04.2017
2. Sh. R.K.Sabat (OAS), Block Development Officer, Gondia	Plant Trees to Save Environment	05.06.2017
3. Sh. Kailash Chandra Rout, Yoga Expert, Bharatiya Yoga Sansthan, Bhubaneswar Chapter	Yoga for All	21.06.2017

DSC, Purulia

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Dr. Subrata Raha, Head, Dept. of Botany, S-K-B University, Purulia.	Science for Society	04.04.2017
2. Mrs. Keya SurPrincipal, GMN Training Centre, Purulia	Depression Let's Talk	07.04.2017
3. Shri Ritabrata Biswas, PC, DSC, Purulia	Environmental & Climate Literacy	22.04.2017
4. Shri Ritabrata Biswas, PC, DSC, Purulia	Connecting with Nature	05.06.2017
5. Shri Sudip Ghosh, Yoga Instructor & Teacher, Purulia	Usefulness of Yoga	21.06.2017
6. Dr. Subrata Raha, Head, Dept. of Botany, S-K-B University, Purulia.	Forestry & Pollution	23.08.2017
7. Dr. Gouri Sankar Nag, HOD, Pol. Sc, S-K-B University, Purulia.	Life & Works of Sardar Patel: The Iron Man of India	31.10.2017
8. Dr. Nachiketa Bandyopadhyay, Registrar, S-K-B University, Purulia.	Vector Borne Diseases	10.11.2017

Bardhaman Science Centre

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Niranjana Gupta, Project Coordinator	Museum Movement in India	04. 04.2017
2. Dr. Suproakash Roy, Principal, Arambag Govt. Engineering College	The Earth and Global Warming	22.04.2017
3. Shri A.K. Kalidaha, Sr. Scientific Officer, DST, Govt. of West Bengal	Innovation	18.05.2017
4. Shri Embrose Ahmed, Asst. Professor, Durgapur Law College	Environmental Law	05.06.2017
5. Shri Jayanta Hore, BU	Yoga	21.06.2017
6. Dr. Indradeo Misra, Member TOLIC, Burdwan	Rules of Rajbhasa	02.09.2017
7. Shri Niranjana Gupta, P.C. Bardhaman Science Centre	Environment & Forests'	02.10.2017
8. Shri Rajnarayan Das, Education Officer, Bardhaman Science Centre	Preservation of Wildlife	03.10.2017
9. Shri Nikhiles Biswas, Education Officer, Bardhaman Science Centre	Biodiversity of India	04.10.2017
10. Dr. Suproakash Roy, Principal, Arambag Govt. Engineering College	Sardar Vallabhbhai Patel	31.10.2017
11. Dr. Shri G.S. Bhattacharya, Ex IIT BHU	Science & Culture	10.11.2017
12. Dr. Shatinath Mondal, Deputy Director, Dep. Of Higher Education & Biotechnology, Govt. of WB	Intellectual Property Right (IPR)	19.11.2017
13. Shri A.K. Kalidaha, Sr. Scientific Officer, DST, Govt. of West Bengal	Innovation	19.11.2017
14. Dr. Nabakumar Mondal, Dep. of Environmental Science, BU	Emerging pollutants	09.01.2018
15. Shri Niranjana Gupta, Project Coordinator, Bardhaman Science Centre	Herbarium Methodology	12.02.2018
16. Dr. Sudipta Banerjee, Lecturer, Vivekananda College, Burdwan	Fluoride Pollution	15.02.2018
17. Shri Nikhiles Biswas, Education Officer, Bardhaman Science Centre	Chemistry for Human Welfare and Environment	16.02.2018

Bardhaman Science Centre (Contd.)

Name of the Speaker	Topic	Date
18. Shri Niranjana Gupta, Project Coordinator, Bardhaman Science Centre	Biodiversity Register	17.02.2018
19. Shri Rajnarayan Das, Education Officer, Bardhaman Science Centre	Importance of transpiration for plant kingdom	19.02.2018
20. Dr. Pradip Bandhyopadhyay, Burdwan Raj College	Amazing world of Plant	20.02.2018
21. Dr. Suproakash Roy, Arambag Engineering College	Recent development in Chemical	28.02.2018
22. Dr. Prosenjit Sarkar, Dept. of Physics, Sreerampur William Cary College	Technology and its outcomes Invisibility Cloak	21.03.2018

BITM, Kolkata

Name of the Speaker	Topic	Date
1. Dr. Bhupati Chakraborty, G.S. of IAPT. Former Head of Dept. City College, Kolkata	Science and Society	04.04.2017
2. Prof. Punarbashu Chaudhury, Dept. of Environment, Calcutta University	Global Warming	22.04.2017
3. Col. Raman Malik, Colonel, Inidan Army, Fort William Wing, Kolkata	Technological Development of India	11.05.2017
4. Dr. Meghan-Tómasita Cosgriff-Hernández	Forensic Science and Anthropology	01.06.2017
5. Dr. Achyutananda Brahmchari, Yogoda Satsang Society of India	Yoga Science for a successful balanced living	21 .06.2017
6. Mr. Sanjoy Mitra, Chief Engineer, Solid Waste Management dept. K.M.C	Waste Management	11.08.2017
7. Prof. Samit Chattopadhyay, Director, IICB, Jadavpur	Outside and inside of a cell: A major link to cancer	30.11.2017
8. Dr. Sharmila Bhattacharya, Director, Bio model performance laboratory, NASA	Our journey into deep space	07.02.2018
9. Dr. Bhupati Chakraborty, Former Prof. Dept. of Physics, City College, Kolkata	Physics in sporting Arena	28.02.2018
10. Prof. Madhumita Dobe, Director, and H.O.D of Health Promotion and Education, All India Institute of Hygiene and Public Health	Cleanliness Health & Hygiene	28.02.2018
11. Prof. (Dr.) Maitree Bhattacharya, Director, JBNSTS, Rajdanga, Kolkata	Two lady Scientist and our Society	08.03.2018

SSC, Patna

Name of the Speaker	Topic	Date
1. Prof.(Dr) Atul Aditya Pandey Dept. of Geology, Sc. College, Patna	Global warming	22.04.2017
2. Dr. Amerendra Narayan, Science College, Patna	Technology Vision for India	11.05.2018
3. Dr. M.P. Trivedi, Associate Prof. Dept. of Botany, Science College, Patna	Environment Pollution	05.06.2017
4. Padmashree Prof. (Dr) R.K. Sinha V.C. Naland Open University, Patna	Meet with Scientist	05.06.2017

SSC, Patna

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
5. Prof. (Dr) Rajmani Pd Sinha, Former V.C. L.N. Mithila Univ. Darbhanga	Moon Landing	15.07.2018
6. Dr. Binay Kumar, Former Micro Analyst, Dept. of Chemistry, P.U.	Water testing & water borne Diseases	20.07.2017
7. Dr Saumya Chakraborty, Emeritus Prof. California, State University, USA	Black Hole	18.09.2017
8. Dr. Shakeel, Secretary, Polyclinic, Patna	Mosquitoes & related diseases	6.10.2018
9. Dr. C.S. Jha, Professor, G.J. College, Bihta, Patna	Natural Disaster	10.11.2017
10. Prof.(Dr)A.K. Gupta, Former Head of Dept. of Botany, Patna University	Sc. & Tech. for Sustainable future	28.02.2018

NBSC Siliguri

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Dr. Prabir Panda, IT Centre, NBU	Science For Human Welfare	03.04.2017
2. Shri Satadal Chakraborty, Dept. of Computer Science & Engineering, SIT	Cyber Security	16.04.2017
3. Dr. Sushma Rohatgi, Dept. of Geography and Applied Geography, NBU	Mapping and Monitoring Environment through Remote Sensing	22.04.2017
4. Shri B.Roy, Ex-Teacher, N.P. High School	Fundamentals of Biotechnology	22.05.2017
5. Shri Surajit Lahiri, Yoga Expert, Siliguri	Health Benefits of Practicing Yoga	21.06.2017
6. Shri. D. Chattopadhyay, PC, NBSC	Life & Works of Prof. Asima Chatterjee	19.07.2017
7. Prof. Avijit Roy (Retd.) Dept. of Chemistry, University of North Bengal	Nobel Discoveries of Chemistry	17.08.2017
8. Prof. Ranadhir Chakraborty, Dept. of Biotechnology, University of North Bengal	Genesis of Personalised Medicines : Relevance of Ayurveda in the Present Millennium	05.09.2017
9. Shri Bipin Gupta, Asst. Teacher, Bharati Hindi Bidyalaya	Dengue	14.09.2017
10. Prof . M.N. Roy, Dept. of Chemistry, NBU	Consequences of Ozone Layer Depletion on Earth	16.09.2017
11. Prof. Bijoy Kumar Sarkar, Head, Dept. of History, University of North Bengal	Sardar Vallabhbhai Patel and Freedom Movement of India	31.10.2017
12. Prof. Ananda Mukhopadhyay Dept of Zoology, University of North Bengal	Vector Borne Diseases	10.11.2017
13. Shri Amiya Kumar Kalidaha, Dept. of Higher Education, S&T and Biotechnology, Govt. of West Bengal.	Science is Fun: The Role of Creative and Innovative Mindset	06.12.2017
14. Shri Rathin Paul, Secretary, Rajkishore Bose Mathematical Society, Siliguri	Journey through Geometry	22.12.2017
15. Shri Debasis Sarkar, Secretary, Sky Watchers' Association, North Bengal	Roadways to Space	31.01.2018
16. Dr. S.C. Das Registrar, Salesian College, Siliguri	Molecular Diffraction of Light.	28.02.2018
17. Dr. Prabir Panda, OSD, IT Centre, NBU	Nature for Water	22.03.2018
18. Dr. Jajati Keshari Nayak, VECC, Dept. of Atomic Energy, Kolkata	Fundamentals of Particle Physics	29.03.2018

Digha Science Centre

<i>Name of the Speaker</i>	<i>Topic</i>	<i>Date</i>
1. Dr. Chinmoy Kumar Ghosh Ex- Director, IGNOU, New Delhi	Development of Science Temper	04.04.2017
2. Shri Subha Sankar Ghosh, Project Coordinator, Digha Science Centre	Why we should worry about Earth?	22.04.2017
3. Shri Samya Basu, Ex-Education Officer, WWF, West Bengal	Human & Elephant Behavior	22.04.2017
4. Prof (Dr.) Shyamal Chakraborty, Dept. of Chemistry, Calcutta University	Connecting People with Nature	05.06.2017
5. Sk. Aduel Rahim, President, Patanjali Yoga Samiti, Egra, Midnapore(E)	Yoga Science : Discussion and Practice	21.06.2017
6. Dr. Soumya Chakravarti, Ex. Assistant Professor in Physics, California State University, U.S.	Lunar Landing on Moon : 20.07.1969	20.07.2017
7. Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata	Nature as source of potential pharmaceuticals	28.10.2017
8. Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata	Approaches of basic of biotechnology	29.10.2017
9. Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata	From ecology to biotechnology – new approaches	30.10.2017
10. Shri Sunil Kumar Jadav, Assistant Prof. Egra S.S.B. College, Egra, Midnapore	Corruption free India : A dream	03.11.2017
11. Dr. Sourab Kumar Mahapatra, Ex. Medical Officer, Indian Army	Dengue & Mosquito borne diseases	10.11.2017
12. Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata	Basis of E. Coli Biotechnology	08.12.2017
13. Dr. Purnaysloke Bhadhury, Associate Professor, IISER, Kolkata	Manipulation of E. Coli cells	09.12.2017
14. Shri Subha Sankar Ghosh Project Coordinator Digha Science Centre	Anthropogenic impacts on Costal Ecosystem	10.12.2017
15. Dr. Pradip Maity Ex. HOD on Oncology Burdwan University	Cancer Awareness	04.02.2018
16. Dr. Amit Panda, M.B.B.S., Dental Digha State General Hospital	How to Keep Our Good Oral Health	04.02.2018
17. Dr. Birendra Nath Das, Ex. Guest Faculty Presedency University, Kolkata	Ramanuj Discovery & basis of Magnetism	28.02.2018
18. Dr. Tuhin Barman, Assistant Director of Agriculture Ramnagar – I, Purba Medinipur	Save Water & Save Planet	22.03.2018

• **REGULAR PUBLIC DEMONSTRATION**

Science Shows on : Science Magic & Miracle, Super Cold, Surprising Chemical Reactions, Fun Science, Egg-cellent / Fire-y-Tale and Balls, Balloons & Bubbles.

Name of the Centre	No. of Programmes	No. of Audience
BITM, Kolkata	1,595	1,01,448
Digha Science Centre	161	5,993
RSC, Bhubaneswar	302	4,123
SSC, Patna	535	7,520
DSC, Purulia	565	11,628
Dhenkanal Science Centre	412	6,959
Bardhaman Science Centre	462	12,884
NBSC, Siliguri	522	22,464

• **3D SHOW**

Name of the Centre	No. of Programmes	No. of Audience
BITM, Kolkata	2,856	78,945
RSC, Bhubaneswar	1,115	15,253
Digha Science Centre	2,284	53,565
DSC, Purulia	1,078	16,026
NBSC Siliguri	1,887	45,517
Bardhaman Science Centre	1,760	15,185
Dhenkanal Science Centre	615	9,809
SSC, Patna	2,010	91,912

• **SHOWS IN PREHISTORIC LIFE PARK**

Name of the Centre	No. of Shows	No. of Visitors
RSC, Bhubaneswar	165	2,194
Digha Science Centre	132	4,591

• **CHROMAKEY SHOW**

Name of the Centre	No. of Shows	No. of Visitors
BITM, Kolkata	1,626	52,816

• **MATH DEMO**

Name of the Centre	No. of Shows	No. of Visitors
BITM, Kolkata	352	12,219

• **UNDERGROUND COAL MINE DEMONSTRATION**

Name of the Centre	No. of Shows	No. of Visitors
BITM, Kolkata	3,150	82,916

• **SHOWS IN SPARK THEATRE**

Name of the Centre	No. of Shows	No. of Visitors
BIT M, Kolkata	1,089	47,848



Science Seminar

Topic - Swachh Bharat : Role of Science and Technology
Promises and challenges

Name of the Museum	Date	Level	No. of Schools	No. of Students Participated	Audience
BITM, Kolkata	30th August, 2017	District Level	06	06	55
-do-	21st September, 2017	State Level	12	12	100
-do-	9th November, 2017	National Level	18	18	200
RSC, Bhubaneswar	11th October, 2017	State Level	27	27	147
SSC, Patna	5th September, 2017	State Level	14	15	150
DSC, Purulia	29th August, 2017	District	17	17	225
Dhenkanal Sc. Centre	26th September, 2017	District Level	16	16	120
NBSC, Siliguri	9th August, 2017	District level	15	15	150
Digha Science Centre	30th August, 2017	National Level	20	20	95
Bardhaman Science Centre	21st August, 2017	District level	19	19	187

National Science Seminar

National Science Seminar on Swachh Bharat: Role of Science and Technology - Promises and Challenges was held at BITM on 9th November, 2017. Prof. Dhrubajyoti Chattopadhyay, Vice – Chancellor, Amity University, Kolkata inaugurated the seminar. 33 students representing 33 states presented their deliberation. Ms. A. Deepika, S.J.S.S.J. Matric Higher Secondary School, Tamilnadu was the champion. The event was supported by Kesoram Industries Limited, Ashok Hall Group of Schools and Royal Society of Chemistry, Eastern India Section.

Seminar on Waste Management

BITM and Toxics Link, a national level environmental NGO, jointly organized a Seminar on “Swachh Kolkata - Are we really working toward it?” on 11th August, 2017. The speakers were Shri Sanjoy Mitra, Chief Engineer, Solid Waste Management Deptt., KMC, Sharmistha Kundu, Senior Environmental Engineer, WBPCB and Md. Shafkat Alam, Joint Secretary, Tiljala SHED, an organization working with waste pickers. Audience – 80 nos.

Seminar on ‘Dr. Asima Chatterjee’

BITM & ISEC, Kolkata, jointly organized a seminar on “Icon of Science Personality: Asima Chatterjee” on the occasion of her 100th Birth Anniversary on 10th February, 2018. 63 visitors attended.



Training

	BITM Cal	RSC Bhub	SSC Patna	DSC Purulia	SC.Cen Bardha	DSC Dhen	NBSC Siliguri	Digha Sc. Cen
Teachers' Training Programme								
No. of Programmes	3	4	3	2	1	1	3	-
No. of Teachers	274	66	119	200	23	9	164	-
No. of Teaching Aids Developed	95	115	156	-	12	36	35	-
Computer Training Programme								
No. of programmes	-	-	-	-	4	-	1	-
No. of Trainees	-	-	-	-	113	-	14	-

Teachers' Training Programme

133 Headmasters from 133 schools were trained in Computer Aided Learning (CAL) on 18th July, 2017 at BITM. The second phase of HM/TIC Orientation Programme was held at BITM on 2nd August, 2017 involving 122 Head Masters and Teachers-in-charge for 7 Districts of West Bengal. Both were jointly organized by BITM and Sarva Shiksha Mission, Govt. of West Bengal.

Teachers' Orientation programme of 25th Children Science Congress of Patna district was organized by SSC, Patna on 5th August, 2017 in association with District Committee of Children Science Congress. 47 teachers and 41 students participated from 38 schools.

A Teachers' Training Programme on "Nirmal Vidyalaya Avijan" was organized at DSC, Purulia on 22nd August, 2017 with SSM, Purulia. 120 teachers from 110 schools attended.

RSC, Bhubaneswar organised three Teachers Training Programme for the secondary and B.Ed. students from 3rd to 24th August, 2017. 34 teachers participated.

RSC, Bhubaneswar organized a Teachers Training workshop on 13th & 14th November, 2017 for 32 In-service teachers of Saraswati Shishu Mandir of Odisha. The workshop involved fabrication of DC Motor, Dynamo and Transformer related to High School Syllabus.

A Science Teachers' Training programme was organized at SSC, Patna for B.Ed students of Patna Women's College from 22nd to 24th February, 2018. 24 B.Ed students participated and prepared 56 low cost teaching aids.

A Teachers' Training Programme was organized for the students of Siliguri B.Ed. College from 26th to 29th March, 2018 at NBSC, Siliguri.

Management Information System Coordinators Orientation Programme

BITM and Sarva Shiksha Mission, Govt. of West Bengal organized a 'Management Information System Coordinators Orientation Programme' at BITM 3rd and 4th August, 2017. 20 MIS Coordinators from 20 districts participated.

Training (Contd.)

Learning with Moving Images

BITM and Bichitra Pathshala organized a programme "Learning with Moving Images" on 29th July, 2017. 23 presentations on diverse topics were designed and presented. Certificates and mementos were awarded by Prof. Anupam Basu, IIT, Kharagpur.



Science Fair

Name of the Museum	Dates	Level	No. of Schools/ Colleges	No. of Students and teachers	No. of Science Clubs	No. of Projects	Visitors
SSC Patna	10th October, 2017	District Level	20	260	-	52	550
RSC Bhub	23rd December, 2017	State Level	60	60	-	60	1,500
SC., Bardhaman	21st December to 22nd December, 17	District	117	234	-	117	3,719
DSC Purulia	29th January, 2018 to 31st January, 2018	District	4	50	-	32	12,802
NBSC, Siliguri	29th January, 2018 to 31st January, 2018	Unit	17	73	-	37	2,465
BITM, Kolkata	16th-17th January, 2018	Kolkata District	44	132	-	44	427
	9th - 13th January, 2018	Eastern India Science Fair	160	357	-	160	8,183
		Science and Engineering Fair	15	51	-	18	

Eastern India Science & Engineering Fair - 2018

BITM hosted the 43rd Eastern India Science Fair (for school students) and the 17th Science and Engineering Fair (for college students) simultaneously from January 9th to 13th, 2018. 219 students and 137 guide teachers enrolled for the EISF with 157 models from 160 schools and Engineering Colleges representing 10 states. The Fair was inaugurated by Prof. Ajoy Kumar Ray, Director, Indian Institute of Engineering Science and Technology, Shibpur in the presence of Mr. James Dragon, Director American Centre Kolkata, Mr. Vinay K. Goenka, Hony. Consul, Consulate of Ecuador, Kolkata and Dr. Dhrubajyoti Chattopadhyay, VC, Amity University, Kolkata gave away the prizes. The Fair was supported by P.C. Chandra Jewellers, MCKV Institute of Technology and Titagarh Wagons Ltd.



Creative Ability Centre

In the Creative Ability Centre, the students of classes VII to XI are exposed to practical experimentation and handling tools during the year and also during vacations

Name of the Museum	BITM Calcutta	RSC Bhub	SSC Patna	DSC Purulia	SC. Cen Bardha	DSC Dhen	NBSC Siliguri	Digha Science Centre
Projects completed in Museum CAC	25	22	25	12	15	40	15	17
Students Participated	69	45	4	89	32	10	42	58
Vacation Hobby Camps	26		7	5	4	3	06	02
Projects completed in above	4185	09	485	40	26	76	242	17
Students Participated	563	107	138	47	103	19	42	58

Science Camps

* Vacation Science Camp was organized by BITM from 22nd May to 3rd June, 2017. Camps were held on Geography & Basic Astronomy, Physics, Chemistry, Math with Origami, Robotics, Play with Science, Mathematics and Life Science.

* NBSC organized Vacation Hobby Camp from 23rd to 29th May, 2017 for school students on Physics, Chemistry, Biology and Mathematics.

* RSC, Bhubaneswar organized Science Hobby Camps from 1st May to 7th June, 2017 on Physics, Chemistry, Mathematics Biology, Astronomy and Electronics Camps.

* Hobby Camps were held at Shrikrishna Science Centre, Patna from 23rd May to 2nd June, 2017 on Basic Electronics, Robotics, Life Science, Ship Modeling and Aero modeling.

* Vacation Hobby Camps on Biotechnology and Physics was organized at Digha Science Centre from 6th to 24th May, 2017.

* DSC, Purulia organized Science Camp from 22nd May to 2nd June, 2017 in the fields of Physics, Chemistry, Life Science, Science for Fun, Mathematics & Electronics.

OBSERVANCE OF IMPORTANT DAYS

World Environment Day

BITM and its satellite centres celebrated World Environment Day on 5th June, 2017 with Sapling Distribution, Sit & Draw Competition, Open House Quiz. Popular Science Lectures, Sapling Plantation, Identify the Plant-parts Competition, Film Show, Slogan Writing Competition, Fancy Dress Competition and Essay Writing Competition.

International Day for Biological Diversity

NBSC, Siliguri celebrated International Day for Biological Diversity on May 22, 2017. A popular lecture on 'Fundamentals of Biodiversity', Essay Writing Competition, Open House Quiz and Field-study programme were organized for the students.

Earth Day

BITM, Kolkata, RSC, Bhubaneswar, Digha Science Centre, Shrikrishna Science Centre and Bardhaman Science Centre celebrated Earth Day on April 22, 2017 with a Sit and Draw Competitions on 'Green Earth - Clean Earth', 'Global Warming', Popular Lectures on 'Global Warming', 'Why we should worry about Earth?', 'Human & Elephant Behavior' 'Environmental & Climate Literacy', 'Mapping and Monitoring Environment' through Remote Sensing"; Film Shows, Quiz on 'Mother Earth' and a Workshop on 'Recycling Waste Materials'; Tree Plantation; Interaction with Talking Robot etc. Collaborators were Earth Day Network, Bengal Chamber of Commerce & Industry and South Asian Forum for Environment. Participants – 1807 students.

World Ozone Day

NBSC, Siliguri observed World Ozone Day on September 16, 2017 by organizing a lecture on 'Ozone Layer Depletion', a Quiz, Frame the Words Competition and Film show.

International Museum Day

BITM and its satellite units organized various programs on the occasion of the International Museum Day on 18th May, 2017. They were Exhibit Hunt competition, Demonstration on "Light from Chemistry", Film Show, Kit Display competition, Popular Lectures, Open House Quiz, Elocution Contest, Artifact Collection competition. More than 900 students participated.

International Science Centre and Science Museum Day

BITM and its satellite units celebrated International Science Centre and Science Museum Day on 10th November, 2017 with Meet the Scientist Programme on 'Cleanliness and Health & Hygiene', Presentation on 'Mosquito Habitat Mapping', Math Workshop, 'Built from Scrap' Design Competition, Sit & Draw on 'Environment' and an exhibition cum workshop on 'Recycled Products', Quiz, Lectures on 'Physiotherapy and its benefits' and 'Mosquitoes and diseases they create', Eye Check-up camp, Young Innovators' Meet, Slogan Writing Competition, Exhibition on Natural Disaster, Multimedia Presentation on Global Climate Change, Hygiene Awareness Programme for the underprivileged students, Extempore Talk on Climate Change, Workshop on Costal Flora & Fauna, Discussion on 'life below water'. 2112 students participated.

National Technology Day

BITM, RSC, Bhubaneswar, SSC, Patna and Dhenkanal Science Centre celebrated National Technology Day on 11th May, 2017 with Lecture on 'Technology Vision for India', Elocution Competition on 'Emerging Technologies', Quiz, Debate Competition on 'Is Technological Advancement affecting our Environment', Display of Micro-chip, Smart Watch, Low-cost home-made projector.

Observance of Important Days (Contd.)

National Science Day

BITM and its satellite units celebrated National Science Day-2018 with events like Painting Competition on "Save Energy", Popular Lecture on 'Molecular Diffraction of Light, Quiz on "Swacch Bharat Abhijan", Pledge Taking Ceremony on "Swacch Bharat Abhijan - Swacch Survekshan-2018", Multimedia Presentation on Prof. C. V. Raman,' Kit making Workshop, Drone Flying Demo, Science March, Essay Writing competition, Elocution contest, Workshop on 'Demonstration of Experiments on Magnetism' Film Show etc.

Moon landing Day

* Digha Science Centre celebrated 'Moon landing Day' on 20th July, 2017 through Popular Lecture by Prof. (Dr.) Soumya Chakravarti, California State University, USA on 'Lunar Landing on Moon - 1969', Science Film Show on Phases of Moon & Chandrayan – 1, Open House Quiz. 130 school students and teachers took part.

* Moon Landing Day was celebrated at SSC, Patna through Open House Quiz was on 'Space and Astronomy', Film Show and a Lecture on 'Moon Landing'. 125 students and teachers attended.

National Pollution Prevention Day

National Pollution Prevention Day was observed on 4th December, 2017 at SSC, Patna with an Open House Quiz and Elocution contest on 'Environmental Pollution'. 147 students participated.

National Energy Conservation Day

National Energy Conservation Day was observed on 14th December, 2017 at SSC, Patna. On this occasion a Poster Making Competition, Slogan Writing Competition on 'Energy Conservation' and Film Show were organized. 60 students participated.

National Mathematics Day

National Mathematics Day was observed at NBSC, Siliguri on 22nd December, 2017 with Rajkishore Bose Mathematical Society, Siliguri. Popular Lectures on 'Geometry' and 'Mathematics', Activity based programme - Measurements with Mathematics, a Film Show on 'Life and Works of Srinivasa Ramanujan' and a Quiz on 'Mathematics' were organized.

Nagasaki Day

A 150:1 scale down Nuclear Power Plant model donated by NPCIL, Mumbai was inaugurated at Dhenkanal Science Centre 9th August, 2017 by Shri B. S. Poonia, Collector and DM, Dhenkanal on the occasion of Nagasaki Day. The Centre also conducted Quiz, Debate and Essay writing for school children. A film on 'Nuclear Energy' was also screened.

40th Foundation Day of NCSM on 4th April, 2017

* A Popular Lecture and Film Show were organized on the occasion of 40th Foundation Day of NCSM at BITM. Participants – 524 students.

* RSC, Bhubaneswar celebrated 40th Foundation Day of NCSM by organizing a Popular Lecture on 'Science for Society' and Special Science Show for 125 students and teachers.

* Bardhaman Science Centre celebrated the 40th Foundation Day of National Council of Science Museums with a 'Sit & Draw Competition', a Popular Lecture on 'Museum Movement in India', a Film show on NCSM and an Open House Quiz on "Gallery Exhibit". 215 students / teachers and 16 special visitors assembled.

Observance of Important Days (contd.)

* Dhenkanal Science Centre celebrated the 40th Foundation Day of NCSM by organizing Exhibit Hunt competition, Astronomy Quiz and Film Show. A new 3D film Show entitled 'Meet the Dino' was launched. Kapilas Science Park also conducted Exhibit Hunt Competition.

* 40th Foundation Day of NCSM was celebrated at DSC, Purulia by organizing a Lecture on 'Science for Society' and Open House Quiz. 210 students, teachers & guardians attended.

* North Bengal Science Centre, Siliguri organized several activities to celebrate 40th Foundation Day of NCSM. They were a Commemoration Speech, a Popular Science Lecture, a film show on Life and Works of Acharya P.C. Ray and a Visual Quiz.

World Tuberculosis Day

World Tuberculosis Day was observed at DSC, Purulia in collaboration with Dept. of Health & Family Welfare, RNTCP, Zilla Swasthya Bhaban, Purulia on 24th March, 2018. TB Awareness Rally, Sit & Draw, Meet the Doctor, Quiz were organized. 850 students attended.

World Water Day - 2018

World Water Day was celebrated on 22nd March, 2018 by Dhenkanal Science Centre, at Kapilas Science Park, RSC, Bhubaneswar, Digha Science Centre, NBSC, Siliguri, Shrikrishana Science Centre, Patna and DSC, Purulia by organizing Slogan Writing Competition on 'Nature for Water', Sit & Draw, Essay Writing 'Effect of excess amount of Arsenic and Fluoride in Human Body', Multimedia Presentation on 'Conservation of Water', Demonstration of water sample testing, Film Show on 'Contamination of lead', Workshop on 'Water Quality Analysis' etc.

International Women's Day

* BITM celebrated International Women's day on 8th March, 2018 through Open House Quiz and a Popular Lecture by Prof. (Dr.) Maitree Bhattacharyya, Director, Jagadis Bose National Talent Search, Kolkata on 'Two Lady Scientists and Our Society'. 262 students participated.

* International Women's Day was observed at SSC, Patna with Debate Competition on 'Will women be empowered by inculcating Scientific Outlook' and a Popular Lecture on 'Role of Women in Science', Film Show on 'Girl child Education' were also held.

* Dhenkanal Science Centre and Kapilas Science Park celebrated International Women's Day organizing a Slogan Writing Competition. 30 Students participated.

Health Day

World Health Day was observed at DSC, Purulia on 7th April, 2017 by organizing Quiz, Extempore Contest and Popular Lecture on 'Depression'. 180 students, teachers & guardians attended.

World Forestry Week

Bardhaman Science Centre observed World Forestry Week from 21st to 27th March, 2018 at Bardhaman Science Centre through Sit & Draw Competition, Quiz, Debate Competition, Popular Lecture on "Recent development in Chemical Technology and its outcomes". 404 students and teachers assembled.

126th Birth Anniversary of Dr. B. R. Ambedkar

* Birth Anniversary of Dr. B.R. Ambedkar was celebrated at NBSC, Siliguri on 14th April, 2017 with a Multimedia Presentation: Life & Works of Dr. B. R. Ambedkar, Discussion on Preamble of Constitution of India, Visual Quiz and Special Science Show for under privileged students.

Observance of Important Days (contd.)

* Dhenkanal Science Centre celebrated Ambedkar Jayanti by organizing Science Quiz at Kapilas Science Park and at Dhenkanal Science Centre.

Birth Anniversary of Sardar Vallabhbhai Patel and Rashtriya Ekta Diwas

BITM Kolkata, NBSC Siliguri, DSC, Purulia, Bardhaman Science Centre, Dhenkanal Science Centre, SSC Patna, Kapilas Science Park and Digha Science Centre celebrated the birth anniversary of Sardar Vallabhbhai Patel on 31st October, 2017. The events for school students organized were Qui Film Show on “Life & works of Sardar Vallabhbhai Patel”, Multimedia Presentation, Popular Lecture, Pledge taking on Rashtriya Ekta, Poster Painting Contest, Sit & Draw Competition, Slogan Writing etc.

International Day of Yoga

BITM Kolkata and its satellite units observed 3rd International Day of Yoga on 21st June, 2017 with Yoga Demonstration, Lectures on ‘Yoga Science for a Successful Balanced Living’, ‘Importance of Yoga and Ayurveda in our daily life’ Meditation, Open House Quiz on Yoga, Work outs on ‘Benefits of Yoga for Healthy Leaving’, Film Show, Painting Competition etc.

World Population Day

* RSC, Bhubaneswar observed World Population Day on 11th July, 2017 by organizing a Popular Lecture on “Population burden and overcoming the Problems” and for school students. 85 students and teachers attended.

* Dhenkanal Science Centre celebrated World Population Day 2017 at Kapilas Science Park by organizing Population Quiz for 50 rural students.

National Pollution Prevention Day

* National Pollution Prevention Day was observed on 4th December, 2017 at SSC, Patna with an Open House Quiz and Elocution contest on ‘Environmental Pollution’. 147 students participated.

* Dhenkanal Science Centre, celebrated National Pollution Prevention Day, 2017 by organizing an Essay Competition at Kapilas Science Park. 25 students from 5 schools participated.

Hiroshima Day

* RSC, Bhubaneswar observed Hiroshima Day on 6th August, 2017 by organizing a Popular Lecture and an Open House Quiz. 110 students participated.

Swachhata Pakhwada

* BITM and its units organized various programmes on the occasion of Swachhata Pakhwada from 16th to 30th September, 2017. They were Dance on ‘Hygiene & Cleanliness’, Medical Camp, Cleanliness drive in around Museum/Centre premises, Swachhta pledge, Signature campaign, a workshop on ‘How to recycle waste product into useful items for daily use’, exhibition on ‘Swachhta’ by Sulabh International, Painting Competition, Quiz, Lecture cum demonstration on water testing and water borne diseases, Film Shows on Swachhta, Quiz, Painting, Slogan Writing Competition.

Hindi Pakhwada and Hindi Diwas

BITM and its units observed Hindi Pakhwada and Hindi Diwas with events like Extempore Talk, Popular Lecture in Hindi, Hindi Poem Recitation, Hindi Passage and letter Writing, News Paper Reading Competition, Hindi Synonym-Antonym Writing, Hindi Translation, Quiz, Popular

Observance of Important Days (contd.)

Lecture during 1st to 15th September, 2017. Staff members and school students participated.

Teachers' Day

On the occasion of Teachers' Day various activities were organized at NBSC on 5th September, 2017. Prof. Ranadhir Chakraborty, Dept. of Biotechnology, North Bengal University delivered a lecture on 'Genesis of Personalized Medicines: Relevance of Ayurveda'.

World Tourism Day

World Tourism Day was celebrated on 27th September, 2017 at NBSC with Quiz, Film Show on Environmental Awareness and Special Science Show.

World Animal Day

World Animal Day was celebrated on 3rd October, 2017 at NBSC, Siliguri in collaboration with 'People for Animals' an NGO. Dr. S. C. Das, Veterinary Officer of North Bengal Wild Animals Park, Siliguri examined the health of rabbits, guinea pigs, birds, 'Nest the Birds'. A unique programme to shelter birds and Film show on 'Wildlife' were also arranged.

Children's Day

BITM, Kolkata, Digha Science Centre, NBSC, Siliguri, Dhenkanal Science Centre and RSC, Bhubaneswar celebrated Children Day on 14th November, 2017 by conducting Workshop on "Science Kit Making from Waste Materials", Extempore Talk on "Swatch Bharat Mission", Play on "Dangerous Plastic", Film Show, Quiz and Story Telling. 1,125 school students participated.

Vigilance Awareness Week

Vigilance Awareness Week was observed at BITM, Kolkata and its units from 30th October to 4th November, 2017. Integrity Pledge taking, Quiz, a Slogan Writing Competition, Essay writing competition Poster Painting Competition, Elocution Contest, Drama on Anti-Corruption and Extempore talk on "My vision : Corruption free India" were organized for students and staff members.

World AIDS Day

Role Play and Folk Dance Competition was organized at SSC Patna in collaboration with SCERT, Patna on 'Healthy relationship among Adolescents and Prevention of disease' on 1st December, 2017 on the occasion of World AIDS Day. Bardhaman Science Centre, RSC, Bhubaneswar, Dhenkanal Science Centre, DSC, Purulia and Digha Science Centre observed World Aids Day through Open House Quiz on Health, Film Show, Popular Lectures, AIDS Awareness Rally, Cultural programme on AIDS Awareness, Sit & Draw Contest, Quiz, Meet the Doctor programme. About 2000 students, teachers, health workers, NCC Cadets, NSS students, etc. attended.

World Cancer Day

Digha Science Centre organized World Cancer Day on 4th February, 2018 with a lecture by Dr. Pradip Maity, HOD Oncology, Burdwan Medical College on "Cancer Awareness". A "Free Oral Checkup Camp" was held under the supervision of Dr. Amit Ponda & Dr. Pratik Ponda, Digha State General Hospital. 79 participants including students, teachers took part.

Library Holding

Name of the Museum	Items	Total holding as on 01.04.2017	Acquired during the year	Written-off during the year	Total holding as on 31/3/2018
BITM, Kolkata	Books	16,331	74	-	16,405
	Brochure	2,904	47	-	2,951
	Journals	8,274	157	-	8,431
	Films/Cassettes	919	-	-	919
	CDs	656	23	-	679
RSC, Bhub	Books	896	27	-	923
	Journals	445	-	-	445
	Films 16mm	-	-	-	-
	Video Cassettes	40	-	-	40
SSC, Patna	Books	2192	90	-	2282
	Journals	1311	45	-	1356
DSC, Purulia	Books	1127	16	-	1143
	Films	43	-	-	43
	Cassette	17	-	-	17
	CDs	58	-	-	58
NBSC, Siliguri	Books	337	27	-	364
	Films	5	-	-	5
	CDs	15	-	-	15
Digha Science Centre	Books	362	-	-	362
	CDs	27	-	-	27
Science Centre Bardhaman	Books	243	03	-	246
	Journals	243	24	-	267
	CDs	43	01	-	44
	Films	22	-	-	22
	Video Cassettes	02	-	-	02
Dhenkanal Science Centre	Books	111	31	-	142
	Journals	-	-	-	-
	Films	04	-	-	04
	Video Cassettes	14	-	-	14
	CDs	67	-	-	67

Staff Strength

Name of the Museum/Centre	Scientific	Technical	Non-Technical	Total
BITM, Calcutta	6	51	40	97
RSC, Bhubaneswar	1	11	7	19
SSC, Patna	2	12	7	21
DSC, Purulia	1	6	4	11
Sc.Cent.Bardhaman	1	8	5	14
Sc.Cent.Dhenkanal	0	6	3	9
Digha Sc. Centre	1	9	3	13
Siliguri Sc. Centre	0	8	5	13
Total	12	112	75	197

Personnel

Retirement / Resignation/ Death					
Museum / Centre	Name Shri/Smt.	Designation at the time of Retirement /Death/Completion	Date of Retirement or Release / Death/Completion	Remarks	
SSC, Patna	Srikant Mitra	Technician 'E'	01.05.2017 (F)	Retired Voluntarily	
B.I.T.M., Kolkata	Robin Das	Technician 'B'	31.8.2017	Supernnaution	
B.I.T.M., Kolkata	Dipak Das	Technician 'E'	31.10.2017	Supernnaution	
B.I.T.M., Kolkata	J.K. Mitra	Technician 'E'	31.10.2018	Supernnaution	
SSC, Patna	Kailash Rai	Skilled Mali(MTS)	28.02.20178	Supernnaution	
SSC, Patna	Ranjit Pandey	UDC	31.03.2018	Supernnaution	
B.I.T.M., Kolkata	Late Satya Ranjan Das	Helper 'E' (MTS)	07.11.17	Death	
DSC, DNKL	Binay Kr. Nath	LDC	31.12.2017	Resignation	
Appointment					
Museum / Centre	Name Shri/Smt.	Designation	Date of Appointment	Remarks	
B.I.T.M., Kolkata	Ankita Seth	Assistant	24.08.2017		
B.I.T.M., Kolkata	Debobrata Sarkar	Assistant	15.09.2017		
B.I.T.M., Kolkata	Jayati Mukhopadhyay	Assistant	24.10.2018		
B.I.T.M., Kolkata	Shruti Arora	LDC	01.12.2017		
B.I.T.M., Kolkata	Binay Kr. Jana	Technician 'A' (Electronics)	05.12.2017		
SC, Bardhaman	Aamir Shahab	LDC	08.12.2017		
B.I.T.M., Kolkata	Dibbendu Bain	Jr. Steno	09.03.2018		
Promotion					
Museum / Centre	Name Shri / Smt	Designation before promotion	Designation after Promotion / upgradation	Date of promotion / upgradation	Date of issue of promotion orders
BITM, Kolkata	Kanai Lal Biswas	UDC	Assistant	19.07.2017	17.07.2017
BITM, Kolkata	Ujjal Chakraborty	Assistant	Section Officer	01.12.2017	23.11.2017
BITM, Kolkata	Asish Dutta	UDC	Assistant	01.12.2017	23.11.2017
BITM, Kolkata	Ankur Saha	LDC	UDC	28.03.2018	11.04.2018
BITM, Kolkata	Arup Chakraborty	Section Officer	Dy. Controller of Finance & Accounts	31.03.2018	31.03.2018
DSC, Purulia	Ashis Kr. Roy	LDC	UDC	13.04.2018	09.04.2018
DSC, Purulia	B.N. Hembram	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017
RSC, BBSR	Sk. Yusuf Ali	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017
RSC, BBSR	N. C. Behera	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017

Promotion Contd.

Promotion					
Museum / Centre	Name Shri / Smt	Designation before promotion	Designation after Promotion / upgradation	Date of promotion / upgradation	Date of issue of promotion orders
Sc, Burdwan	S. N. Koley	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017
SC, Burdwan	Mahadev Panja	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017
DSC, DNKL	Prabodha Kr. Das	Driver Gr. I	Driver spl Gr. I	02.02.2016	05.04.2017
DSC, DNKL	Srikanta Kr. Rath	Driver Gr. II	Driver Gr. I	02.02.2016	05.04.2017
DSC, Purulia	Gurupada Das	Driver Gr. II	Driver Gr. I	02.02.2016	05.04.2016
NBSC, Siliguri	Arun Kr. Adhikary	Driver Gr. II	Driver Gr. I	02.02.2016	05.04.2016
BITM, Kolkata	N.K. Manna	Driver Gr. II	Driver Gr. I	02.02.2016	05.04.2016
BITM, Kolkata	Sumit Mazumder	Technician 'E'	Tech. Asstt. 'B'	18.07.2016	28.08.2017
RSC, BBSR	Godadhar Mohapatra	Technician 'E'	Tech. Asstt. 'B'	27.02.2017	28.08.2017
SSC, Patna	Dhananjay Kumar	Technician 'E'	Tech. Asstt. 'B'	05.03.2017	28.08.2017
BITM, Kolkata	J.K. Patra	Cataloguer 'C'	Cataloguer 'E'	07.03.2016	28.08.2017
BITM, Kolkata	Manmatha Naik	Technician 'C'	Technician 'E'	10.02.2016	28.08.2017
DSC, DNKL	K. C. Bindhani	Technician 'C'	Technician 'E'	15.07.2016	19.09.2017
BITM, Kolkata	Biplab Kr. Seal	Technician 'C'	Technician 'E'	12.09.2016	19.09.2017
DSC, DNKL	Suklal Marndi	Technician 'C'	Technician 'E'	10.02.2017	19.09.2017
SSC, Patna	Vijay Kr. Sharma	Technician 'A'	Technician 'B'	17.02.2016	19.09.2017
SSC, Patna	Santosh Kumar	Technician 'A'	Technician 'B'	26.12.2016	19.09.2017
SSC, Patna	Rama Prasad Singh	Technician 'A'	Technician 'B'	04.01.2017	19.09.2017
DSC, Digha	Sivendra Pratap Singh	Technician 'B'	Technician 'C'	28.03.2016	19.09.2017

Transfer					
Museum / Centre	Name S/Shri/Smt.	Transfer from	Transfer to	Date of Transfer / resignation	
NBSC, Siliguri	Ram Swaroop, Curator 'C'	NBSC, Siliguri	SSC, Patna	31.03.2017	
SSC, Patna	P. Mukhopadhyay, Curator 'E'	SSC, Patna	Sc. City, Kolkata	10.04.2017	
BITM, Kolkata	A.K.Saha, Superintending Engineer	BITM, Kolkata	NCSM (NE Zone)	30.06.2017	
BITM, Kolkata	Tapas Kr. Bose (Assistant)	BITM, Kolkata	NCSM Hqrs.	23.07.2017	
BITM, Kolkata	P. S. Chakraborty (Sr. Steno)	BITM, Kolkata	NCSM Hqrs (NE zone)	30.11.2017	
BITM, Kolkata	Anup Kr. Sardar (Dy. CoFA)	BITM, Kolkata	CRTL, Kolkata	30.11.2017	
NCSM Hqrs.	Asish Dutta, Asstt.	NCSM Hqrs.	BITM, Kolkata	30.11.2017	
RSC, BBSR	Archana Khosla Curator 'C'	RSC, BBSR	NSC, Delhi	31.12.2017	
BITM, Kolkata	Ankur Saha, UDC	BITM, Kolkata	SSC, Patna	31.03.2018	
RSC, Lucknow	Sandip Dikshit, Tech. Asstt. 'B'	RSC, Lucknow	BITM, Kolkata	11.04.2018	
MACP					
Museum/ Centre	Name Shri/Smt.	Designation before promotion	Designation after promotion/ upgradation	Date of promotion/ Upgradation	Date of issue of promotion order
BITM, Kolkata	J.K. Mitra	Technician 'E'	Technician 'E'	08.06.2011	12.02.2018
BITM, Kolkata	Chandana Ghosh	UDC	UDC	22.01.2017	12.02.2018
BITM, Kolkata	Pradip Das	UDC	UDC	27.01.2017	12.02.2018
BITM, Kolkata	Deboprasad Peyada	LDC	LDC	27.01.2017	03.01.2018
BITM, Kolkata	Mrinal Mazumder	LDC	LDC	16.04.2017	03.01.2018

Expenditure

GIA / Salaries / General (Rs. in Lakhs)									
Particulars	BITM, Kolkata	S.S.C., Patna	D.S.C., Purulia	R.S.C., Bhub	S.C., Bardh	S.C., Dhen	Digha S.C.	N.B.S.C, Siliguri	Total
Gross	2142.48	266.73	123.21	291.64	175.15	127.92	145.53	164.89	3437.55
Receipts	174.51	76.69	20.02	48.93	32.87	11.42	120.12	73.27	557.83
Net	1967.97	190.04	103.19	242.71	142.28	116.50	25.41	91.62	2879.72
GIA / CCA (Rs. in Lakhs)									
Gross	123.04	82.57	35.04	71.46	22.86	5.68	53.39	128.99	523.03
Total P+NP	2265.52	349.30	158.25	363.10	198.01	133.60	198.92	293.88	3960.58

Expenditure (2017-18) nnovation Hub (Rs. in Lakhs)								
Particulars	BITM, Kolkata	S.S.C., Patna	DSC Purulia	R.S.C., Bhub	S.C., Bardh	DSC Digha	NBSC Siliguri	Total
Gross Exp	-	25.64	18.04	53.83	26.81	49.27	52.29	225.88

Yearwise comparison of visitors' footfall

BITM, Kolkata

