

01. INTRODUCTION

Tamilnadu Science and Technology Centre has been rendering good educational services throughout Tamilnadu by conducting various educational extension activities for the benefit of the general public and the students community in particular. Realising the important role and the commitment to the society, the Tamilnadu Science and Technology Centre has been approaching various educational institutions, research organisations, government departments and other establishments to get sponsors and donation of exhibits for the permanent display in the existing galleries.

A permanent exhibition entitled “**Mirror Gallery**” comprising of 18 exhibits, was set up in an area of 2000 Sq.ft. for the benefit of the students and visitors. The objective of the gallery is to explain the fundamentals of optics and formation of images. The fun Mirror Gallery has exhibits such as Ghost Walk, Vanishing Image, True Image, Dine With Yourself, Side Image, Reflections from Kitchen etc. It has a special feature to trace the pathway in the exhibit called **Mirror Maze**. Also, 17 panels depicting various illusions, a special attraction were displayed. The gallery was inaugurated on October 03, 2007.

To illustrate the achievements of our country in the field of Missile Technology and to develop interest among the students in space technology, the Centre was provided with a model of Brahmos Missile of scale 1'6 by Dr.S.Sivathanupillai, Chairman and Managing Director, Brahmos Aerospace, New Delhi, has inaugurated the Inter-school science exhibition held at Periyar Science and Technology Centre, Chennai on 28.01.2008 and delivered a lecture on the “Development of Missile Technology in India and its future” He shared his experience with the audience during technology development.

One day workshop for school teachers in Thiruvarur District was conducted at Neelan Matriculation School at Nidamangalam on 15.03.2008. During the programme 125 teachers participated. Hands on model demonstration to illustrate the Basic Principle on Physics, Astronomy, Biology, etc. Teachers were provided small hands on experience exhibits to feel the need and necessity of hands on and minds in exhibits.

A new educational facility “**Ocean Technology**” gallery was set-up in collaboration with the National Institute of Ocean Technology, Government of India at an estimated cost of Rs.50.00 lakhs. In this regard, National Institute of Ocean Technology has offered technical support and financial support to the tune of Rs.30 lakhs. The gallery was opened to the public on 03.03.2008.

Indian Space Research Organisation, Bangalore will be financially supporting for fabrication and erection of 1:5 scale GSLV model with umbilical tower at a cost of Rs.3.5 lakhs. The model will be installed at Periyar Science and Technology Centre.

IBM India Ltd., had already donated three IBM Tryscience kiosks for our centre. On the interest shown by the young visitors to use them, IBM has donated another unit which will be usable by tiny-toss in the age of 5-10 years. The set up kid-smart was installed at B.M.Birla Planetarium. The kiosk provides training in arithmetic, simple science terms etc.

A State Level Energy Park will be established with gadgets on Non-Conventional Energy Sources and Models emphasizing the importance of Renewable energy Sources with the financial support of Rs.89 lakhs and Rs.35 Lakhs, obtained from Ministry of Non-Conventional Energy Sources, Government of India and Government of Tamilnadu.

Inter-School Science Exhibition was organised by the Centre as an annual feature inviting schools of Chennai City. This has made an impact among institutions and different schools are now conducting Science Exhibitions in their campus itself. Periyar Science and Technology Centre has been rendering all assistance and expertise in this connection besides helping in lending them exhibits during the exhibition periods. Periyar Science and Technology Centre has made a reserve of a set of 15 exhibits exclusively for this purpose. During the period of this report, assistance have been extended to the following institutions.

1. Bharathiyar Mat. Hr. Sec. School, Guduvancheri-603 202.
2. Shri Sanatana Dharma Vidyalaya Mat.Hr.Sec. School, Chennai-79
3. Jaigopal Garodia Mat.Hr.Sec.School, Chennai-82.
4. Madras Christian College Hr.Sec.School, Chennai-32
5. Jaigoal Garodia Hindu Vidyalaya Mat.Hr.Sec.School, Chennai-33.
6. Santhome Hr.Sec.School, Chennai-4.
7. S.B.O.A. Mat.Hr.Sec.School, Chennai-101.
8. St.George Anglo Indian Hr.Sec.School and Orphanage, Chennai-30
9. LCR College of Engineering & Technology, Kanchipadi Post, Thiruvallur.
10. Swaami Vivekananda Mat. Hr. Sec. School, Chennai-89.
11. Sarada Mat. Hr. Sec. School, Pammal, Chennai-75
12. Kaligi Ranganathan Mantfort Mat.Hr.Sec.School, Chennai-11.
13. Madras Christian College Mat.Hr.Sec.School, Chennai-31

Impressed by the Live Demonstration on Scientific Concepts, being organised at the Centre on every Saturday, the schools are contacting the Centre, to conduct the same at their schools exclusively. The Centre conducts the same on request with the kits and other equipments developed for the purpose.

Wide publicity is given frequently through Press and Electronic Media like All India Radio, Doordarshan Kendra and other private satellite channels so as to extend the educational facilities throughout Tamilnadu. Advertisement about the Halls of Science and Technology, B.M.Birla Planetarium and Anna Science Centre-Planetarium highlighting the various activities are being broadcast in the popular science programme titled “**Anaivarukkum Arivial**”, of All India Radio and “Kalaimalar - Thagaval Neram” of Doordarshan Kendra.

I. PERIYAR SCIENCE AND TECHNOLOGY CENTRE, CHENNAI

A. HALLS OF SCIENCE AND TECHNOLOGY

The Periyar Science and Technology Centre, which comprises the galleries of Thanthai Periyar, Transport, Energy, Materials Science, Children's Corner, Life Science, Innovation, Physical Science, Electronics & Communication, Urban Development, Information Technology, 3-D Science Theatre, Cyber School and the out-door learning facilities viz., Science Park, Model Meteorological Observatory, Energy Park, Traffic Park and Eco Park, continues its endless educational services catering to the needs of the general public and the students community in particular, since **September 17, 1990**, the day in which it was dedicated to the Nation. **(Details of Galleries & Exhibits at Page No. 85).**

B. B.M.BIRLA PLANETARIUM

The Planetarium is considered in the modern world as an **Indoor Universe**. The Planetarium has provisions to execute diurnal, annual, latitudinal and precessional motions. The special effect projectors inside the Planetarium recreate some of the most awe-inspiring astronomical phenomena.

On every Second Saturday "**Night Sky Observation**" is arranged with the help of Telescopes for the general public and students at free of charge during evening hours between 6.00 p.m. and 8.30 p.m. Announcements about the Sky Observation Programme are periodically made through the News Papers. From the date of inauguration of the Planetarium on **May 11, 1988** Planetarium has produced and introduced 36 programmes on various themes on Astronomy. **(Page No. 98).**

C. MOBILE SCIENCE EXHIBITION

To popularise science and technology themes to the general public, especially for the school children in the rural areas of Tamilnadu, the Mobile Science Exhibition with 24 built-in exhibits based on various themes of science such as sound and hearing, sensation, perception, vision, illusions, etc, is conducted in various districts. Mini-Planetarium programmes are also conducted along with Mobile Science Exhibition wherever the facilities are made available. Science video programmes are regularly screened in the evening hours during the programme periods.

During vacations the Mobile Science Exhibition is conducted at the places of public gatherings like Arignar Anna Zoological Park-Vandaloor, Government Museum-Egmore etc.

During the period of this report, the exhibition was conducted at Vellore, Thiruvallur, Kancheepuram, Villupuram, Nagapattinam, Sivaganga, Salem, Tiruchirappalli and Chennai Districts.

The exhibition was also conducted at the following important places, on Special requests.

Sl. No.	Name of the Schools	Date
1.	Mevaloor, Near Poonamallee	22.06.2007.
2.	Anna Science Centre, Tiruchirappalli	02.07.2007 to 06.07.2007
3.	Neyveli Book Fair, Neyveli	07.07.2007 to 17.07.2007
4.	Bharathiyar Mat. Hr. Sec. School, Guduvancheri-2.	14.08.2007 and 15.08.2007

5.	Padma Sarangapani Mat. Hr. Sec. School Chennai-49	18.08.2007 and 19.08.2007
6.	National Institute International Mat. School Kumanan Chavadi, Chennai-56	24.08.2007
7.	Karuneelam Village Near Maraimalai Nagar	30.08.2007
8.	Little Flower Matricuation School, Kunrathur, Chennai-69	31.08.2007 & 01.09.2007
9.	C.S.I. Hr.Sec.School, Madhuranthagam	03.09.2007 & 05.09.2007
10.	Govt. Hr. School, Padalam-603 308	06.09.2007 & 07.09.2007
11.	Govt. Hr. Sec. School, Nellikuppam – 603 108	10.09.2007 & 11.09.2007
12.	Govt. Hr. Sec. School, Entathur-603 406	12.09.2007 & 13.09.2007
13.	Govt. Girls Hr. Sec.School, Achirupakkam-603 301	14.09.2007 to 17.09.2007
14.	Govt. Hr. Sec. School, Thozhupedu	18.09.2007 & 19.09.2007
15.	Govt. Hr. Sec. School, Oorathi – 603 307.	20.09.2007 & 21.09.2007
16.	Mother Theresa Govt. Hr.Sec.School, Pallavaram	15.10.2007 & 16.10.2007
17.	St.Thomas Hr.Sec.School, Chennai-16	17.10.2007 & 18.10.2007
18.	Excel Mat.Hr.Sec.School, Thirumullaivoyal, Chennai	22.10.2007
19.	G.K.Shetty Hindu Vidyalaya Girls Hr.Sec.School, Ch-88	23.10.2007 & 24.10.2007
20.	Govt.Hr.Sec.School, Velachery, Chennai-42	25.10.2007

21.	Jaigopal Garodia Mat.Hr.Sec.School, Chennai-82	26.10.2007 to 28.10.2007
22.	Gurunanak Hr.Sec.School, Velachery –42	29.10.2007 to 31.10.2007
23.	Govt.Hr.Sec.School, Chennai-78	01.11.2007 and 02.11.2007
24.	Janaki Ramachandran Kalalayalam, Chennai-26	05.11.2007 and 06.11.2007
25.	Shri Ramakrishna Mission Saradha Vidayala Hr.Sec.School, Chennai-17	07.11.2007 and 09.11.2007
26.	Chennai Corporation Hr.Sec.School, Chennai-41	12.11.2007 to 14.11.2007
27.	Jaigopal Garodia Mat.Hr.Sec.School, Chennai-82	26.10.2007 to 28.10.2007
28.	Lalji Memorial Omega International School Chennai-602 101	16.11.2007 to 18.11.2007
29.	Dr.VGN Mat. Hr. Sec. School, Arakkonam	01.12.2007 and 02.12.2007
30.	PS Hr.Sec.School for Women, Chennai-4	04.12.2007 and 05.12.2007
31.	Govt. Hr. Sec. School, Vallkottai	10.12.2007
32.	Panchayat Union Middle School, Guduvanchery	11.12.2007
33.	Govt. Hr. Sec. School, Kovilambakkam, Chennai-117	12.12.2007 and 13.12.2007
34.	Govt. Hr.Sec.School, Medavakkam	14.12.2007
35.	Sri Kannabiran Middle School, Puliyambakkam Walajabath, Kancheepuram Dist.	15.12.2007
36.	Madras Christian College Mat.Hr.Sec.School Chennai-31	11.01.2008

37.	LCR College of Engineering & Technology Kanchipadi Post, Thiruvallur.	31.01.2008
38.	Kachurmedu Panchayat Union Elementary School (Thiruvallur to Uthukottai Rote)	03.02.2008
39.	Swaami Vivekananda M.Hr.Sec.School, Chennai-89	08.02.2008
40.	Kaligi Ranganathan Mantfort Mat.Hr.Sec.School, Chennai-11	09.02.2008
41.	Sarada Mat. Hr. Sec. School, Pammal, Chennai-75	16.02.2008 and 17.02.2008
42.	Adidravidar Nala Government High School Kilambakkam	25.02.2008
43.	Govt. High School, Puthirankottai-603 401	03.03.2008 and 04.03.2008
44.	Panchayat Union Primary School, Kavanur-603 401	05.03.2008
45.	Panchayat Union Elementary School Chunampet, Kancheepuram District-603 401	05.03.2008
46.	Queen Mary Nursery & Primary School Chunampet-603 401	06.03.2008
47.	Panchayat Union Primary School Chunampet, Kancheepuram District-603 401	06.03.2008
48.	Panchayat Union Elementary School Villipakkam, Sithamur, Kancheepuram District	06.03.2008
49.	Panchayat Union Elementary School Manapakkam, Kancheepuram Dist.	07.03.2008
50.	Panchayat Union Middle School Vannianallur, Sithamur, Kancheepuram Dist	07.03.2008
51.	Jai Maruthi Nursery and Primary School Chunampet, Kancheepuram District-603 401	08.03.2008

Besides these, the Mobile Science Exhibition was stationed at Chennai Museum complex and Arignar Anna Zoological Park at Vandalur during summer and winter vocations to facilitate for witness by the public.

D. FABRICATION AND SUPPLY OF EXHIBITS

In order to give impetus to the process of popularisation of science and technology among student community and general public in the rural areas, the Periyar Science and Technology Centre has taken up the task of setting up of science parks in schools and in the different district headquarters.

So far, this Centre has designed, fabricated and set up science parks at the following 14 places. The Centre continues its endeavour by approaching the District Collectors for establishing science parks in the community parks of the districts.

The Centre has also fabricated and supplied 30 numbers of indoor-exhibits on the subject Physical Science to the Science Park, the Science Centre established by the Department of Science and Technology, Government of Rajasthan, at Jaipur.

II. ANNA SCIENCE CENTRE-PLANETARIUM, TIRUCHIRAPPALLI

Anna Science Centre, Tiruchirappalli has been rendering excellent and yeomen services to cater to the needs of younger generation and the general public of the region in the cause of education, taking up the objectives of Tamilnadu Science and Technology Centre, ever since it was dedicated to the Nation on **June 10, 1999**.

The Planetarium, which has been a source of information and inspiration in the region, receives students in groups visiting from Pudukkottai, Thanjavur, Perambalur, Dindigul, Karur, Ariyalur, Madurai, Nagapattinam Districts apart from Tiruchirappalli. So far, the Planetarium has introduced the following programmes.

Sl. No	Inauguration Date	Title	Chief Guest
01.	10.06.1999	Life Beyond Earth	The then Hon'ble Chief Minister of Tamilnadu.
02.	05.05.2000	Red Planet Mars	Thiru.V.Murthy, I.A.S. Collector of Tiruchirappalli Tiruchirappalli District.
03.	27.04.2001	Earth – The Living Planet	Thiru.A.V.Narayanan Executive Director Dalmia Cements (Bharat) Limited Dalmiapuram Tiruchirappalli.
04.	15.03.2002	The Chariots of the Night Sky	Dr.K.Manivasan, I.A.S. Collector of Tiruchirappalli
05.	14.03.2003	Comet: The Bird of Passage	Thiru.A.M.Raman, I.A.S. Vice-Chairman of Science City, Chennai
06.	18.10.2003	Our Worlds and Beyond	Thiru.G.R.K.Raju Chief Works Manager Southern Railway Workshop, Ponmalai Tiruchirappalli.
07.	04.08.2004	Vision Beyond Light Years	Thiru Pandiyan, I.A.S. District Collector, Tiruchirappalli.
08.	19.07.2005	Saturn-The Lord of the Rings	Thiru.K.Nanda Kishore, I.A.S. District Collector, Tiruchirappalli.
09.	22.06.2007	Out Astounding Universe	Thiru.Ashish Vachhani, I.A.S. District Collector, Tiruchirappalli.
10.	28.03.2008	Galaxy	Dr.M.Ponnaivaikko Vice-Chancellor Bharathidasan University Tiruchirappalli.

The Science Park established at Anna Science Centre, which gives an opportunity to learn while play in an open atmosphere, has been a source of inspiration creating scientific temper in the younger minds. There are 20 different types of exhibits depicting the basic principles of Science and Technology which we come across in our day-to-day life.

Energy Park, which was created with the real gadgets on **Non-Conventional Energy Sources**, obtained from the Ministry of Non-Conventional Energy Sources, Government of India under the programme **Special Area Demonstration**, is an added attraction among the general public and students community in particular.

To set-up a Traffic Park, Chennai Petroleum Corporation Limited, a group company of Indian Oil Corporation Limited, have donated a sum of Rs.25,000./-

The “**Environment Gallery**”, with the exhibits on the themes Eco systems, Bio-geochemical cycles, Biodiversity and Conservation, Pollution and sustainable Energy sources was developed at an estimated cost of Rs.30.00 lakhs, with the financial support obtained from M/s. Indian Oil Corporation Limited. This educational facility was dedicated to the nation on April 22, 2006.

A new Activity Gallery on Physical Science was created to house 20 new exhibits in the Environment Gallery itself.

The following new educational facilities have been introduced during the period

1. TryScience Around the World – donated by IBM India Pvt. limited
2. Vigyan Prasar Edusat Facility – Donated by Vigyan Prasar, Department of Science and Technology, Government of India
3. Park on Sundials of three different types viz...Horizontal, Vertical and Equatorial.

III. REGIONAL SCIENCE CENTRE AT COIMBATORE

The Government have allocated a land measuring 6.42 acres situated in Vilankurichi Village in Coimbatore District for establishment of a Regional Science Centre at Coimbatore.

As a preliminary arrangement, compound wall on the two sides of the land, to demarcate from the adjoining sites, has been constructed.

It has been proposed to develop the Regional Science Centre at Coimbatore at an estimated cost of Rs.6.50 Crores. The Ministry of Tourism and Culture, Government of India have agreed to share 50% of the cost of Establishment. The National Council of Science Museums in the Country, has now taking action to construct the Science Centre at Coimbatore.

IV. DISTRICT SCIENCE CENTRE AT VELLORE

The Government in G.O.2D.No.59, Higher Education (H2) Department, dated 04.06.1998 have approved the scheme for the acquisition of land for the District Science Centre at Vellore under Part-II Scheme for the year 1998-99 and sanctioned a sum of Rs.5.00 lakhs as seed money. The District authorities have also handed over a suitable land measuring 0.32 hectare in Survey No.544 at Sathuvachari, Vellore for the construction of District Science Centre. It has been planned to establish the Science Centre at an ultimate cost of Rs.250 lakhs. The Government of Tamilnadu have approved the establishment of galleries viz. Hall of Discovery, Environment, Industries & Leather Technology and sanctioned and released an amount of Rs.100 lakhs for the year 2004-2005. Works relating to the establishment of Science Centre are in progress and expected to be completed before the end of December, 2008.

V. CORPUS FUND

The Government of Tamilnadu in G.O.2D.No.04, Higher Education (H2) Department, dated 05.02.1997 have permitted the Centre for creating **Corpus Fund** for the self sustenance of the Centre. So far, a sum of **Rs..... Lakhs** have been collected for the Fund.

VI. DR.C.P.GOPALARAMAN ENDOWMENT FUND

The organising committee of the National Level Forum on Ultra High Vacuum Techniques and Surface Analytical Instrumentation instituted an endowment in the name of Dr.C.P.Gopalaraman, Former Executive Director of the Tamilnadu Science and Technology Centre with an objective to popularise science and technology by conducting seminars, workshops, popular lectures etc., for the benefit of the students community every year, with a seed money of **Rs.20,000/-**. On the request made by the Tamilnadu Science and Technology Centre, **the Indian Society of Scientific Glassblowers**, Chennai have also contributed a **modest donation of Rs.20,000/-** towards Dr.C.P.Gopalaraman Endowment Fund on 29.03.1999. The accrued interest are being utilised for organising programmes every year on **3rd September**, the day Dr.C.P.Gopalaraman, former Executive Director is remembered for the great service rendered by him to the Society.

VII. ENDOWMENTS OF DR.(MRS) GOWRI CHANDRAKASAN AND PROF.P.DEVADAS

Endorsing the services rendered by the Centre, Dr.(Tmt) Gowri Chandrakasan, Deputy Director (Retired), Central Leather Research Institute, Chennai has contributed a sum of Rs.10,000/- towards endowment to be created in the name of Dr.(Tmt) Gowri Chandrakasan. Well-wishers and family members of Prof.P.Devadas, President, TANASTRO have contributed a sum of Rs.11,000/- towards creation of an endowment in the name of Prof.P.Devadas.

Utilising the interest accrued from the respective deposits, science popularizing programmes are being conducted every year on December 05, as Dr.Gowri Chandrakasan Endowment Lecture Programme and on June 09, as Prof.Devadas Endowment Lecture Programme.

02. GENERAL INFORMATION

Chairman : DR.K.Ponmudy
Hon'ble Minister for Higher Education
Government of Tamilnadu.

Executive Director : DR.P.IYAMPERUMAL

Full Address : Tamilnadu Science and Technology Centre
Gandhimandapam Road
Engineering College Post, Chennai – 600 025.

Phone Numbers : 044-2491 5250, 2441 0025, 2441 6751,
044-2491 8787 (Executive Director – Direct)

Fax Number : 044-2440 2893

E-mail : tnstc@md5.vsnl.net.in
tnstc@tn.nic.in

Website : www.tnstc.gov.in

	Inaugurated by	Inaugurated on
Periyar Science and Technology Centre		
B.M.Birla Planetarium	: His Excellency Thiru.R.Venkataraman President of India.	May 11, 1988
Halls of Science & Technology	: Dr.Kalaignar M.Karunanidhi Hon'ble Chief Minister of Tamilnadu.	September 17, 1990
Anna Science Centre-Planetarium		
Planetarium	: Dr.Kalaignar M.Karunanidhi Hon'ble Chief Minister of Tamilnadu.	June 10, 1999

EXISTING LEARNING FACILITIES

A. PERIYAR SCIENCE AND TECHNOLOGY CENTRE, CHENNAI

I. HALLS OF SCIENCE AND TECHNOLOGY

Periyar Gallery

World of Dolls

Transport Gallery

Energy Gallery

Materials Science Gallery

Life Science Gallery

Innovation Gallery

Electronics & Communication Gallery

Urban Development Gallery

Information Technology Gallery

3-D Science Theatre

Heart Gallery

Fun Mirror Gallery

Ocean Gallery and

Students Interactive Computer Corner

II. B.M.BIRLA PLANETARIUM

Sky Theatre

IBM-Try Science Kiosk Corner

III. PARKS

Science Park

Traffic Park

Model Meteorological Observatory

Five lands of ancient Tamils

Energy Park and

Eco Park

B. ANNA SCIENCE CENTRE-PLANETARIUM, TIRUCHIRAPPALLI

I. PLANETARIUM

Sky Theatre

IBM-Try Science Kiosk Corner

II. HALLS OF SCIENCE AND TECHNOLOGY

Environment Gallery

III. PARKS

Science Park and

Energy Park

03. GOVERNING BODY OF THE TAMILNADU SCIENCE AND TECHNOLOGY CENTRE (SOCIETY) CHENNAI – 600 025.

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|-----|--|---------------|
| 01. | Dr.K.Ponmudy
Hon'ble Minister for Higher Education | Chairman |
| 02. | Prof. S.Ramachandran
Vice-Chancellor,
University of Madras
Chennai - 600 005. | Vice-Chairman |
| 03. | Dr. M.Madhusoothanan
Director, Centre for Industrial
Consultancy and Sponsored Researches
Anna University
Chennai - 600 025. | Member |
| 04. | Dr. N.Anand, Director
Centre for Advanced Studies (Botany)
Madras University
Guindy Campus, Chennai-600 025. | Member |
| 05. | Thiru.K.Ganesan, I.A.S.
Secretary to Government,
Higher Education Department
Secretariat, Chennai – 600 009. | Member |
| 06. | Thiru.K.Gnanadesigan, I.A.S.
Secretary to Government,
Finance Department
Secretariat, Chennai – 600 009. | Member |
| 07. | The District Collector
32, Rajaji Salai
Chennai – 600 001. | Member |
| 08. | The District Collector
Tiruchirappalli – 620 001. | Member |
| 09. | The District Collector
Coimbatore – 641 018. | Member |

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| 10. | Managing Director
Hindustan Motors Limited
6-B, G.S.T. Road, Chennai – 600 016. | Member |
| 11. | Thiru.S.Sivagnanam, Director
Small Industries Service Institute
No.65/1, G.S.T. Road
Guindy, Chennai – 600 032. | Member |
| 12. | Dr..L.Kannappan
President
VKN Structural
Thuvakudi, Tiruchirappalli – 620 015. | Member |
| 13. | Dr. S.Kathiroli, Director
Department of Ocean Development
National Institute of Ocean Technology
NIOT Campus, Pallikarani, Chennai – 601 302. | Member |
| 14. | Dr. N.Lakshmanan, Director
Structural Engineering Research Centre
Taramani, Chennai – 600 113. | Member |
| 15. | Shri.I.K.Mukherjee
Director General
National Council for Science Museums
Block G.N. Sector V
Bidan Nagar, Kolkata – 700 091. | Member |
| 16. | Dr. K.Vasudeva Bhatta
Director
Visveswaraya Industrial and Technological Museums
Kasturba Road, Bangalore – 560 001 | Member |
| 17. | Dr.V.Varaprasada Rao, I.A.S.
Vice-Chairman
Science City
Periyar Science and Technology Centre Campus
Chennai – 600 025. | Member |
| 18. | Dr.P.Iyamperumal
Executive Director
Tamilnadu Science and Technology Centre
Chennai – 600 025. | Member
Secretary |

04. EXECUTIVE COMMITTEE OF THE TAMILNADU SCIENCE AND TECHNOLOGY CENTRE

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| 02. | Prof. S.Ramachandran, M.Sc., Ph.D., Ph.D.(MIAMI)
Vice-Chancellor,
University of Madras
Chennai - 600 005. | President |
| 02. | Secretary to Government
Higher Education Department
Secretariat
Chennai – 600 009. | Member |
| 03. | Secretary to Government
Finance Department
Secretariat
Chennai – 600 009. | Member |
| 04. | Dr..L.Kannappan
President
V K N Structural
Thuvakudi
Tiruchirappalli – 620 015. | Member |
| 05. | Dr. S.Kathiroli
Director
National Institute of Ocean Technology
NIOT Campus
Velachery-Tambaram Main Road
Pallikaranai
Chennai – 601 301. | Member |
| 06. | Dr.P.Iyamperumal
Executive Director
Tamilnadu Science and Technology Centre
Chennai – 600 025. | Member
Secretary |

05. MEMBERS OF TECHNICAL COMMITTEE OF NON-CONVENTIONAL ENERGY PARK AT PERIYAR SCIENCE AND TECHNOLOGY CENTRE, CHENNAI.

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|----|---|---------------------|
| 1. | Secretary to Government
Higher Education Department
Secretariat, Chennai – 60 009 | Chairman |
| 2. | Chairman
Tamilnadu Energy Development Agency
Chennai – 600 006 | Co-Chairman |
| 3. | The Secretary to Government
Highways Department
Secretariat, Chennai – 600 009. | Member |
| 4. | Superintending Engineer
Technical Education Circle
Directorate of Technical Education
Chennai – 600 025. | Member |
| 5. | The Director
Institute of Energy Studies
Anna University
Chennai – 600 025. | Member |
| 6. | The Deputy Secretary to Government
Finance (Education) Department
Secretariat
Chennai – 600 009. | Member |
| 7. | The Executive Director
Tamilnadu Science and Technology Centre
Chennai – 600 025. | Member
Secretary |

06. SCIENTIFIC COMMITTEE OF THE TAMILNADU SCIENCE AND TECHNOLOGY CENTRE

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|----|---|----------|
| 1. | Dr.M.S.Palanichamy
Vice-Chancellor
Tamilnadu Open University
DOTE Campus
Chennai – 600 025. | Chairman |
| 2. | Member Secretary
Tamilnadu State Council for
Science and Technology
DOTE Campus
Chennai – 600 025. | Member |
| 3. | Dr.M.Ponnaivaikko
Vice-Chancellor
Bharathidasan University
Tiruchirappalli | Member |
| 4. | Dr.S.Kathirolu
Director
National Institute of Ocean Technology
NIOT Campus
Velachery-Tambaram Main Road
Pallikaranai
Chennai – 601 301. | Member |
| 5. | The Director
Department of School Education
Chennai – 600 006. | Member |
| 6. | Dr.S.Murugan
Director
Department of Public Health and
Preventive Medicine
Chennai – 600 018. | Member |

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| 7. | Dr.T.S.Natarajan
Prof. of Physics
IIT-Madras
Chennai – 600 036. | Member |
| 8. | Dr.N.S.Sundaram
Retired Superintendent
Government Ophthalmic Hospital
Egmore
Chennai – 600 008. | Member |
| 9. | Member Secretary
Tamilnadu Pollution Control Board
100, Anna Salai
Chennai – 600 032. | Member |
| 10. | Dr.P.Iyamperumal
Executive Director
Tamilnadu Science and Technology Centre
Chennai – 600 025. | Member |
| 11. | Thiru.T.M.Alagiri Swamy Raju
Project Director In-charge
Anna Science Centre -Planetarium
Tiruchirappalli – 620 007. | Member
Secretary |

07. MEMBERS OF THE TECHNICAL COMMITTEE OF THE OCEAN GALLERY AT CHENNAI

- | | | |
|-----|---|----------|
| 01. | Dr.P.Iyamperumal
Executive Director
Tamilnadu Science and Technology Centre
Chennai – 600 025. | Chairman |
| 02. | Dr.V.Rajendran
National Institute of Ocean Technology
NIOT Campus, Pallikaranai
Chennai – 601 301. | Member |
| 03. | Dr.R.Venkatesan
National Institute of Ocean Technology
NIOT Campus, Pallikaranai
Chennai – 601 301. | Member |
| 04. | Dr.V.Sampath
National Institute of Ocean Technology
NIOT Campus, Pallikaranai
Chennai – 601 301. | Member |
| 05. | Thiru.T.M.Alagiri Swamy Raju
Project Director In-charge
Anna Science Centre-Planetarium
Tiruchirappalli – 620 007. | Member |
| 06. | Thiru.B.Dhanvanth Rao Jadu
National Institute of Ocean Technology
NIOT Campus, Pallikaranai
Chennai – 601 301. | Member |

**08. VISITOR STATISTICS OF THE
PERIYAR SCIENCE AND TECHNOLOGY CENTRE, CHENNAI**

**A. HALLS OF SCIENCE AND TECHNOLOGY
(FROM 01.04.2007 TO 31.03.2008)**

MONTH	ADULTS	CHILDREN	TOTAL
APRIL	7762	6768	14530
MAY	12583	8480	21063
JUNE	4678	4543	9221
JULY	4479	3717	8196
AUGUST	4135	8524	12659
SEPTEMBER	8841	8957	17798
OCTOBER	5804	8370	14174
NOVEMBER	5861	8499	14360
DECEMBER	9604	8801	18405
JANUARY	7295	8771	16066
FEBRUARY	6327	26382	32709
MARCH	5613	19587	25200
TOTAL	82982	121399	204381

**B. B.M.BIRLA PLANETARIUM
(FROM 01.04.2007 TO 31.03.2008)**

MONTH	ADULTS	CHILDREN	TOTAL
APRIL	10578	10392	20970
MAY	16635	10442	27077
JUNE	6592	4431	11023
JULY	6653	4287	10940
AUGUST	7098	10713	17811
SEPTEMBER	7908	8343	16251
OCTOBER	5055	7730	12785
NOVEMBER	5133	7803	12936
DECEMBER	8672	8348	17020
JANUARY	6456	8117	14573
FEBRUARY	5603	23822	29425
MARCH	5042	18105	23147
TOTAL	91425	122533	213958

**09. VISITOR STATISTICS OF THE
ANNA SCIENCE CENTRE – PLANETARIUM, TIRUCHIRAPPALLI
(FROM 01.04.2007 TO 31.03.2008)**

MONTH	ADULTS	CHILDREN	TOTAL
APRIL	1531	6240	7771
MAY	2451	1862	4313
JUNE	1244	666	1910
JULY	1206	4796	6002
AUGUST	1361	2772	4133
SEPTEMBER	1342	1301	2643
OCTOBER	942	1322	2264
NOVEMBER	766	2746	3512
DECEMBER	1261	1211	2472
JANUARY	987	3372	4359
FEBRUARY	1366	7328	8694
MARCH	1843	8520	10363
TOTAL	16300	42136	58436

10. ACTIVITIES OF THE PERIYAR SCIENCE AND TECHNOLOGY CENTRE CHENNAI

10.1. SPECIAL EVENTS

INTERNATIONAL ASTRONOMICAL CONGRESS 2007

Astronomical Society of India along with Indian Space Research Organisation hosted the prestigious International Astronomical Congress (IAC – 2007) at Hyderabad during 24-28, September, 2007

To select students in three stages to participate in the prestigious event as student delegate, Tamilnadu Science and Technology Centre was given the responsibility to screen and select students. Through circulars and press releases the students were invited to send their essays on various topics by downloading formats from the website of IAC 2007. Tamilnadu Science and Technology Centre selected the students from Tamilnadu for final rounds held at Vikram Sarabhai Space Centre, Thiruvananthapuram during 20-21, August, 2008. From the students selected from Tamilnadu one student of P.g. Physics Selvan Ajit S. Padmanabhan received the award of best presenter award at IAC 2007

01. PUPPETRY

On every Saturday, an innovative programme “Science Communication through Puppetry” is conducted between 01.30 and 02.30 p.m. at free of charge. Subject topics like Environment, Pollution, Rain Water Harvesting, Global Warming etc. are dealt. This programme is entirely catalysed and supported by **National Council for Science and Technology Communication, New Delhi**. For this purpose, a separate corner has been developed at the Centre.

02. COMPUTER AWARENESS PROGRAMME

A Certificate Course in “**Computer Awareness Programme**”, in Windows Operating System and MS Office Software, are being organised at the Centre in collaboration with Directorate of Technical Education for the benefit of the general

public and students community, in batches, since July 02, 2003. The duration of the course is 30 hours and hands on experience is provided through the facilities available at the Centre. During the period of this report, 4 batches have been conducted.

Sl.No.	Date of Commencement	Number of beneficiaries Evening Batch 06.00 to 08.00 p.m.
01.	16.04.2007	12
02.	09.05.2007	16
03.	30.05.2007	04
04.	20.06.2007	15
05.	13.07.2007	17
06.	07.08.2007	12
07.	13.08.2007	15
08.	13.09.2007	08
09.	08.10.2007	06
10.	19.11.2007	14
11.	19.12.2007	14
12.	24.01.2008	05
13.	01.03.2008	11
14.	29.03.2008	15

03. MEET YOUR MEDICAL EXPERT

As an Innovative programme, the programme “**Meet Your Medical Expert**” was introduced with the proposal to organise this programme every month on the last Friday inviting Medical Experts to counsel on medical aspects, on April 25, 2003. Dr.P.Krishnamurthy, Director of Public Health and Preventive Medicine, Chennai-6 inaugurated the programme.

The following were the programmes arranged under this unique activity.

Date	Time	Medical Expert
25.05.2007	02.30 to 04.00 p.m.	Dr.N.S.Sundaram Former Superintendent Government Ophthalmic Hospital Chennai
29.06.2007	02.30 to 04.00 p.m.	Dr.S.Gangadharan Directorate of Public Health Chennai
27.07.2007	02.30 to 04.00 p.m.	Dr.P.Kuganantham Health Officer Corporation of Chennai
31.08.2007	02.30 to 04.00 p.m.	Dr.Vijay Viswanathan Managing Director M.V.Hospital for Diabetes and Research Centre, Chennai
28.09.2007	02.30 to 04.00 p.m.	Dr.J.Joice Thilagam Honorary Advisor, PAVITHRAM and Medical Officer (Homoeopathic) Corporation of Chennai.
26.10.2007	02.30 to 04.00 p.m.	Dr.V.Rangarajan Secretary Indian Dental Association Chennai Chapter, Chennai
30.11.2007	02.30 to 04.00 p.m.	Dr.B.S.Tiruvadanan Consultant Surgeon & Gastroenterologist

		Sundaravadanan Nursing Home Chennai.
25.01.2008	02.30 to 04.00 p.m.	Dr.M.Ramani Psychologist Directorate of Public Health, Chennai.
29.02.2008	02.30 to 04.00 p.m.	Dr.A.Simon Hercules Neuro Surgeon Director, New Hope Medical Centre Chennai
28.03.2008	02.30 to 04.00 p.m.	Thiru.R.Joseph Health Inspector Directorate of Public Health Chennai.

04. MEET YOUR SCIENTIST

Realising the factor that children are empowered to improve their focus and their attitude towards education, which are very important for a successful career, a series of “**Meet Your Scientist**” programme was organised. Leading Scientists and Technologists were invited to share their knowledge and views with the school children. The following were the programmes arranged under this unique activity.

Date	Name of the Topic	Name of the Scientist
24.05.2007	Museums as Institution for Non-formal Education	Shri.S.K.Saraswat Former Director National Museum of Natural History, New Delhi
10.07.2007	Green Chemistry	Dr.N.Rejesh Professor of Physics BITS, Pilani
11.07.2007	Biotechnology of Curd and Health Benefits of Fermentation	Dr.B.Suresh Subramonian Associate Professor Office of the Registrar, TANUVAS Madhavaram, Chennai.

16.08.2007	Know Your Brain – Emotion, Tragedy and Suicide	Brig.Dr.C.R.Suryanarayan Former Chief Medical Officer Ministry of Defence Government of India and Radiation Medicine Military Hospital, New Delhi
19.09.2007	Emerging Trend in Peaceful uses of Nuclear Energy	Thiru.J.Daniel Chellappa Scientific Officer Indira Gandhi Centre Atomic Energy, Kalpakkam
04.10.2007	Aero Dynamics of a Cricket Ball	Dr.Kamble Director, Vigyan Prasar New Delhi.
07.10.2007	Science, Nation and Children	Dr.P.S.Goel Secretary to Government of India Ministry of Earth Sciences Chairman Incois-Governing Council New Delhi
01.11.2007	Shy Young Should go for Science Career	Dr.P.K.Bhaumik Former Director NCSM, New Delhi
28.12.2007	Recent Trends in Nano Technology	Prof.Mohan Sundara Rajan Eminent Science Communicator & Author, Bangalore.
28.02.2008	Why the Sky is Blue?	Prof.Mohan Sundara Rajan Eminent Science Communicator & Author, Bangalore.
25.03.2008	Science Experiments	Dr.Sundaram Professor of Sociology (Retd) Chennai.

05. COLLEGE STUDENTS PROJECT WORK

As a part of the curriculum programme, Post Graduate (Physics) students from various colleges undertook project works as mentioned below under the guidance of the officers of the Centre, during April, 2007.

Name of the Institution	Name of the project	Name of the students
Pachiyappa's College, Chennai	Celestial sphere and study of blazers	1. M.Sundari 2. B.Thamari
Ethiraj College for Women Chennai	Spectral Analysis of Blazars Multi-frequency Analysis of Seyerts	S.Pavithra R.Mahalakshmi
Arcot Sri Mahaalakshmi Women's College Villapakkam	Developing Simple Astronomical Tools Astronomical Time Reckoning Movement of the Sun Across the Sky Study of the Apparent Motion of the Sun in the Sky.	S.B.Sangeetha R.Komathi T.Thenmozhi K.Jayanthi
Women's Christian College, Chennai	Anisotropic Emissions from AGNs.	Meghana Ramani

06. TELESCOPE MAKING AND ASTRONOMY FOR TEACHERS

In coordination with Vigyan Prasar, Department of Science and Technology, New Delhi, a five-day training programme on "**Telescope Making and Astronomy**" was organised for the benefit School Teachers during April 02-06, 2007. In the programme was inaugurated by Thiru.A.Shankar, Joint Director,

Elementary Education, Directorate of School Education, Chennai under the presidentship Dr.B.K.Tyagi, Principal Scientific Officer, Vigyan Prasar, Department of Science and Technology, New Delhi A total of 65 School teachers from all 30 Districts of Tamilnadu attended the programme and got benefited.

In the programme Basic Astronomy Concepts, Basic of Telescope and training on assembling 39 mm simple refractor telescope, Training on development of Low costn astronomy tools like Sundial, Astrolabe, Pinhole Camera, Training on using night sky chart (star dial) for identification of constellations, bright stars, Rashis, Demonstration of VP's it on astronomy was demonstrated using experiments, lectures and general sciences delivered. The resources materials including astronomy kit, books, CDs, simple instruments to measure latitude and longitude of place, altitude finder were provided to the participants.

Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai, Shri Arvind Ranade, Senior Scientific Officer, Vigyan Prasar, Department of Science and Technology and Dr.S.Soundararajaperumal, Deputy Director (Planetarium), Periyar Science and Technology Centre, Chennai have been resource persons for the programme.

07. SUMMER CAMP AT ERODE

In coordination with Tamilnadu State Council for Science and Technology and Science Olympiad Foundation, New Delhi organised three-day Summer camp at URC Palaniammal Mat.Hr.Sec.School, Erode during April 09-11, 2007. The programme was inaugurated by Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. The British Council Division, Chennai was invited to give a presentation about the partnership in School Projects. The study kits were given to the student-participants. A total of 120 students from class VIII & IX in two batches participated and got benefited. Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium and Thiru.G.Durairaj Gnanamuthu, Senior Scientific Assistant were the resource persons.

08. APPRECIATING PHYSICS IN EVERYDAY LIFE - ERODE

In collaboration with NCSTC-Network, a State-wide programme **“Appreciating Physics in Everyday Life”** was organised at U.R.C. Palaniammal Mat.Hr.Sec. School, Thindal, Erode on April 09-10, 2007. The programme was catalyzed and supported by National Council for Science and Technology Communication, New Delhi. The objective of the programme was to encourage the students community to understand the importance of Physics in day-to-day life and also to motivate the students to take up research in the field of Physics as their career opportunity. During the two day programme, Under Graduate students of Physics from different colleges delivered demonstration lectures on **“Excitements in Physics”** along with the exhibits they developed on a concept in physics. Post Graduate students of physics delivered lectures to the student participants. Poster Designing Competition on the topic “Physics Around Us” was organised for students of VIII standard. Special lectures by eminent persons in Physics were also organised.

09. CHART EXHIBITION ON REVOLUTION IN ROAD TRANSPORT AND ROAD SAFETY

In coordination with Nehrus’ Unique Museum, Yelagiri Hills jointly organised Chart Exhibition on **“Revolution in Road Transport and Road Safety”** during April 11, 2007 to April 26, 2007. The exhibition was inaugurated by Tmt.Dr.Gowri Chandrahasan, Emeritus Scientist, Central Leather Research Institute, Chennai under the presidentship of Thiru.R.K.Nehru, Founder Trustee & Director, Nehrus’ Unique Museum, Nilavoor, Yelagiri Hills. More than 500 charts and exhibits were on display, all 45 years old and wonderful collections of retired post graduate teacher Tmt.Savithri Nehru and retired engineer from Indian Railways, Thiru.R.K.Nehru. A total of 8,000 persons visited the pavilion and got benefited.

10. SUMMER SCIENCE CAMP AT CHENNAI

In the **Summer Science Camp**, organised with the main objective to enhance the learning of Science by giving exposure to the children on the topics like Basic concepts such as Astronomy, Physics, Biology, Mathematics and Chemistry, a heterogeneous group of 55 students, studying in classes from VI to VIII standards participated and got benefited. The programme was conducted during April 23-25, 2007 and inaugurated by Dr.A.Subbiah Pandi, Reader in Physics, Presidency College, Chennai.

The following faculty members participated and delivered lecture-cum-demonstrations.

Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Prof.P.Devadas, President, Tamilnadu Astronomy Association, Dr.A.Subbiah Pandi, Reader in Physics, Presidency College, Chennai, Prof.S.Sarguna Stephen, Retired Professor, Nandanam Arts College, Chennai, Prof.T.S.Natarajan, IIT-Madras, Chennai, Dr.R.Srinivasan, Scientific Officer, Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium, Thiru.B.David Ponnudurai, Scientific Assistant, Periyar Science and Technology Centre, Chennai.

11. ONE DAY PROGRAMME ON CAREER GUIDANCE FOR RURAL STUDENTS

In coordination with Arcot Lutheran Church School Project, Tirukoilur, a one day Programme on Career Guidance for Rural Students was organised on April 30, 2007. The programme was inaugurated by Thiru.M.Muthusamy, Former Director, Board of Apprenticeship and Training, Southern Region, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total of 72 students in and around the Thiruvannamalai Districts participated and got benefited. The following members exchanged their expertise.

Thiuru.M.Muthusamy, Former Director, Board of Apprenticeship and Training, Southern Region, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, Thiru.Krishnamoorthy, Deputy Director, Employment and Training, Chennai,

Thiru.K.S.Nagarajan, Principal & Secretary In-charge, Institute of Hostel Management & Catering Technology, Chennai, Thiru Uvaraj, C.S.C., Chennai, Thiru.P.Subramanian, Manager, Canara Bank, Chennai and Thiru.B.David Ponnudurai, Scientific Assistant, Periyar Science and Technology Centre, Chennai.

12. ONE DAY PROGRAMME ON CAREER GUIDANCE FOR RURAL STUDENTS

In coordination with Arcot Lutheran Church School Project, Tirukoilur, a one day Programme on Career Guidance for Rural Students was organised on May 04, 2007. The programme was inaugurated by Thiru.K.S.Nagarajan, Principal & Secretary In-charge, Institute of Hotel Management & Catering Technology, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total of 67 students in and around the Cuddalore Districts participated and got benefited. The following members exchanged their expertise.

Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, Thiru.Krishnamoorthy, Deputy Director, Employment and Training, Chennai, Thiru.K.S.Nagarajan, Principal & Secretary In-charge, Institute of Hotel Management & Catering Technology, Chennai, Thiru.P.Subramanian, Manager, Canara Bank, Chennai and Thiru.B.David Ponnudurai, Scientific Assistant, Periyar Science and Technology Centre, Chennai.

13. NATIONAL TECHNOLOGY DAY CELEBRATIONS

During the year 1998, 3 successful technology events took place which made our Nation proud – the nuclear tests, test firing of Trishul missile and the maiden test flight of HANSA – 3 (the first all composite indigenous two-seater aircraft). To commemorate these remarkable achievements, May-11 is observed as “**National Technology Day**” every year.

Dr.V.Rajendran, Project Director, National Institute of Ocean Technology, Chennai delivered a special lecture on the topic “**Marine Instrument for Ocean Related Industrial Applications**” on 11.05.2007 under the Presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai.

14. SUMMER SCHOOL PRACTICE - PROJECT WORK

As a part of the curriculum programme and summer school practice, ten students from Birla Institute of Technology and Science, Pilani undertook project works as mentioned below under the guidance of the officers of the Centre, during May 15 - July 16, 2007.

Name of the Institution	Name of the project	Name of the students
Birla Institute of Technology and Science, Pilani	1. Uses of Nano Technology in construction and water purification.	1. V.Prathima Nagaprasad 2. T.Vamsikrishna
	2. Automatic Transmission Systems	1. Vishal J.Abbhinand 2. Duraiswamy Balachandar
	3. Parametric Behaviour of Mathematical Curves	1. M. Nithesh Chandra Gupta 2. P.Pavankumar
	4. Introduction to Astronomy and Astrophysics	1. Vadlamani Srinagesh 2. K.C.Saravanan
	5. A Study on the Trends in CMOS Image Sensor Technology and Design	1. N.S.Sampath 2. Kislay Shashwat

15. ONE DAY PROGRAMME ON CAREER OPPORTUNITIES FOR VILLAGE STUDENTS

A one day Programme on Career Guidance for Rural Students was organised in coordination with Arcot Lutheran Church School Project, Tirukoilur, on May 16, 2007. The programme was inaugurated by Thiru.L.Krishnamoorthy, Deputy

Director, Employment and Training, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total of 70 students in and around the Villupuram Districts participated and got benefited. The following members exchanged their expertise.

Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, Thiru.M.Muthusamy, Former Director, Board of Apprenticeship and Training, Southern Region, Chennai, Thiru.L.Krishnamoorthy, Deputy Director, Employment and Training, Chennai, Thiru.M.Thirulogachandar, Senior Lecturer, Institute of Hotel Management & Catering Technology, Chennai, Thiru.P.Subramanian, Manager, Canara Bank, Chennai, Thiru.N.J.Ajit, CCSTDS, Chennai and Thiru.B.David Ponnudurai, Scientific Assistant, Periyar Science and Technology Centre, Chennai.

16. ONE DAY PROGRAMME ON COMPUTER LITERACY AND HANDS-ON SCIENCE LEARNING

In coordination with IBM India Pvt Ltd, a one day Programme on “Computer Literacy and Hands-on Science Learning” was organised on June 02, 2007. The programme was inaugurated by Thiru.R.Dhamodaran, Director, Software Group, IBM India Ltd, under the presidentship of Dr.K.Subramanian, Professor of Physics, Anna University, Chennai. A total of 90 students from X to XII standard students and 10 teachers in and around the Chennai city schools participated and got benefited. The following members exchanged their expertise.

Thiru.R.Dhamodaran, Director, Software Group, IBM India Ltd, under the presidentship of Dr.K.Subramanian, Professor of Physics, Anna University, Chennai, Prof.R.B.Narayanan, Director, Centre for Biotechnology, Anna University, Chennai, Prof.P.R.Subramanian, Department of Nuclear Physics, University of Madras, Dr.G.Vijayakumar, Consultant Psychiatrist, Chennai, Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai and Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium, Chennai.

17. PROF. P.DEVADAS ENDOWMENT LECTURE

Prof.P.Devadas Endowment Lecture was organised on June 09, 2007 for the benefit of school students and teachers. Dr.B.S.Shylaja, Eminent Scientist, Nehru Planetarium, Bangalore delivered a lecture on the topic “**Eclipses**”, which is near and dear to Prof.P.Devadas. 55 students and 25 General public participated and got benefited.

18. ONE DAY SUMMER TRAINING PROGRAMME IN PHYSICS (STPIP)

In coordination with Nuclear Physics Department, University of Madras a one day Summer Training Programme in Physics was organised for the talented M.Sc. Physics Students from all over the State on June 12, 2007. The programme was inaugurated by Prof.R.Asokamani, former Professor of Physics, Anna University under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. A total of 40 students participated and got benefited.

The following were the resource persons.

Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre
Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai,
Dr.R.Srinivasan, Scientific Officer, Dr.S.Soundararajaperumal, Deputy Director (Planetarium), Thiru.G.Durairaj Gnanamuthu, Senior Scientific Assistant of Periyar Science and Technology Centre, Chennai.

19. ONE DAY SEMINAR ON ACOUSTICS

In coordination with Madras-India Regional Chapter of the Acoustical Society of America-Adyar, International Research Institute for the Deaf, Chennai a one day Seminar on Acoustics was organised on June 16, 2007. The programme was inaugurated by Dr.V.Bhujanga Rao, Director, Naval Science and Technological Laboratory, Visakhapatnam and gave a lecture on “Psychological and Physiological Aspects of Sound” under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. The objective of the programme is to promote awareness in the filed of Acoustics by preparing and

presentation of the projects for school students of IX to XII and College students below 20 years. Separate cash awards of Rs.1100/- for schools students and Rs.1200/- for college students were given to the best projects along with Certificates. Besides, based on the oral presentations, an additional ten cash awards of Rs.1000/- each were given. A total of 150 students from 20 schools and 3 colleges participated and got benefited.

The following experts in the field of Acoustics shared their expertise.

Prof.H.S.Paul, President of AFECT&IRD, and Chapter Representative of MIRC-ASA, Chennai, Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, Prof.B.V.A. Rao, Director of International Relation, V.I.T., Vellore, Prof.S.Narayanan, Professor of Mech. Engineering, I.I.T.-Madras, Chennai, Dr.V.Rajendran, Director, R&D Centre for Nano Science and Technology, Tiruchengode, Dr.M.Kumaresan, Director, IRID, Chennai and Thiru.G.Durairaj Gnanamuthu, Senior Scientific Assistant, Periyar Science and Technology Centre, Chennai.

On July 21, 2007, 23 eligible candidates were called for presentation and evaluation was done by panel of experts. Prof.H.S.Paul, President of AFECT&IRD, and Chapter Representative of MIRC-ASA, Chennai was the Chief guest and distributed the 11 Cash Awards in the Junior (School level) and certificates to the winners.

20. ISS – OBSERVATION PROGRAMME

The International Space Station in which several astronauts including Kalpana Chawla and Sunita Williams conducted experiments. The Space Station periodically comes to visibility over a region on Earth. To induce interest among the students to learn about space research a special ISS watch Programme was organised on 4.6.2007 at the evening. The ISS appeared in the sky at an altitude of 10 degree south and moved overhead. The event was witnessed by general public and students numbering over 100. Earlier Executive Director explained the gathering about the International Space Station and its mission.

21. TRAINING PROGRAMME ON MODEL ROCKETRY

A five day training programme on “Model Rocketry” was organised for school students of level IX standards during July 09-13, 2007. The programme was catalyzed and supported by National Council for Science and Technology Communication, New Delhi. The programme was inaugurated by Dr.S.Bhaskaran, Member Secretary, Tamilnadu State Council for Higher Education, Chennai. Prof.E.G.Tulapurkara, Emeritus Professor, Department of Aerospace Engineering, I.I.T.-Madras, Chennai delivered a special lecture on “**History of Aircraft and Space Vehicles**”. Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre was preside over the function. As a part of the programme, a one day field trip to Aero Space Engineering Laboratories, MIT, Chennai was also organised. A total of 46 students participated and got benefited.

In the valedictory function Thiru.S.Krishnamurthy, Director, Publications and Public Relations, Indian Space Research Organisation, Bangalore delivered the chief-guest address and distributed the Certificates to the students. Thiru. Nellai S.Muthu, Indian Space Research Organisation, SHAR Centre, Sriharikota felicitated during the function. In the programme, experts from Dhavan Space Research Centre, Shrikarikotta and I.I.T.-Madras participated and exchanged their expertise.

The following were the resource persons.

Prof.E.G.Tulapurkara, Emeritus Professor, Department of Aerospace Engineering, I.I.T.-Madras, Chennai, Nellai S.Muthu, Scientist, SHAR Space Centre, Sriharikota, Prof.S.Krishna, Dean, SRM Institute of Science and Technology,k Chennai, Prof.P.Sriram, IIT-Madras, Chennai Dr.S.R.Chakravarthy, Aero Space Engineering, IIT-Madras, Chennai, Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai, Thiru.S.Krishnamoorthy, Director, Publication and Public Relations Unit, ISRO, Bangalore, Thiru.Guptha, Rocket Model Maker, Bangalore, Dr.A.Ravindran, IIT-Madras, Chennai, Dr.Nandan Kumar Sinha, IIT-Madras, Chennai Prof.J.Shanmugam, Principal, Tagore Engineering College, Chennai, Dr.B.T.N.Sridhar, MIT-Anna University, Chennai, Dr.P.Iyamperumal, Executive

Director, Tamilnadu Science and Technology Centre, Dr.R.Srinivasan, Scientific Officer, Periyar Science and Technology Centre and Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium.

22. MONTHLY QUIZ PROGRAMME

In coordination with Ariviyal Poonga and Nehru Yuva Kendra, a new Monthly Quiz Programme and Ariviyal Arangam were inaugurated on **July 14, 2007**. Under this programme, special lectures and quiz competitions will be organised every third Saturday of the month, for the benefit of the students community. The programme was inaugurated by Prof.M.Ponnaivaiko, Vice Chancellor, Bharathidasan University, Tiruchirappalli under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. In the programme, Prof.K.Ramasamy, Head of the Department, Bio-Technology, SRM University, Chennai delivered a special lecture. Lion S.Kirthivasan, Correspondent, Shri Karpagavalli Vidyalaya, Chennai, prof.M.Muthuvelu, Government Arts College, Nandanam, Thiur.K.Selvam, General Manager, BSNL, Chennai, Dr.S.Vincent, Member Secretary, Tamilnadu State Council for Science and Technology, Thiru.Sanjay Santhakumar, District Coordinator, Nehru Yuva Kendra, Chennai were participated.

Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium, Periyar Science and Technology Centre will conduct quiz competitions every month.

23. MOON LANDING DAY CELEBRATION

In the year 1969, on 20th July humankind set foot on the Moon. To commemorate the Moon Landing Day, a one day programme was organised for the school students on July 20, 2007. The programme was inaugurated and special lecture on “The Orgin of Lunar Craters” was delivered by Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai. Also, a Quiz programme was arranged for IX and XI Standard students. A total of 32 students from 16 schools participated. Prizes and Certificates were distributed by Dr.P.Iyamperumal, Executive Director,

Tamilnadu Science and Technology Centre to the winners of the competitions. A special Night Sky Observation Programme was organised on that day for students and general public.

24. SPECIAL LECTURE SERIES ON EVERY SUNDAY

A new series programme on “**Special Lecture Series on Every Sunday**” was introduced on every Sunday by inviting Experts from various fields to deliver lectures, on August 05, 2007. Prof.R.Asokamani, Visiting Professor, School of Mechanical and Building Sciences, Vellore Institute of Technology, Vellore inaugurated the programme.

The following programmes were held under this unique activity:-

Date	Name of the Topic	Name of the Expert
05.08.2007	Sciences Through Ages	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
12.08.2007	Sciences Through Ages	
19.08.2007	Semi Conductor Evolution	
26.08.2007	Observational Astronomy	Prof.P.Devadas President Tamilnadu Astronomy Association Chennai
02.09.2007	Nano-Science and Technology	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore

09.09.2007	Emerging Trend in Physics	Prof.T.S.Natarajan Professor in Physics I.I.T-Madras, Chennai
16.09.2007	Big Bang Theory and Einstein Theory	Prof.Rama Karthikeyan Retd Professor Vivekananda College, Chennai
23.09.2007	Emerging Trend in Peaceful Uses of Nuclear Energy	Thiru.J.Daniel Chellappa Head, Technical Coordination and Public Awareness IGCAR, Shastri Bhavan, Chennai.
30.09.2007	Digital Technology	Thiru.D.A.Rajan Ex-Chairman Institution of Engineering and Tech. Chennai Net-work, Chennai
14.10.2007	Solar Energy and its Applications	Thiru.D.A.Rajan Ex-Chairman Institution of Engineering and Tech. Chennai Net-work, Chennai
21.10.2007 28.10.2007 04.11.2007 11.11.2007	Bio Technology and Environment	Dr.Sultan Ahmed Ismail Director Ecoscience Research Foundation Chennai
17.11.2007	Theoretical Studies on Nano Materials	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
25.11.2007	Nanomaterials : Preparations Methods	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore

09.12.2007	Electron Energy Levels in Nanomaterials	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
16.12.2007	Electron Energy Levels in Nanomaterials	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
23.12.2007	Forces acting between nano particles	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
06.01.2008	Biomaterials –Bone Replacement for Human Longevity	Dr.Geetha Manivasagam Assistant Professor School of Mechanical Engineering Vellore Institute of Technology Vellore
20.01.2008	Superconductivity and Its Applications-Part II	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
17.02.2008	Nano Ceramics Coatings	Dr.Geetha Manivasagam Assistant Professor School of Mechanical Engineering Vellore Institute of Technology Vellore

24.02.2008	Dielectric Materials and its Applications	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore
23.03.2008	A Course of Lectures on Materials Science and Engineering	Prof.R.Asokamani Visiting Professor School of Mechanical and Building Sciences Vellore Institute of Technology Vellore

25. APPRECIATING PHYSICS IN EVERYDAY LIFE - CHENNAI

In collaboration with NCSTC-Network, a State-wide programme “**Appreciating Physics in Everyday Life**” was organised during August 03-04, 2007. The programme was catalyzed and supported by National Council for Science and Technology Communication, New Delhi. The programme was inaugurated by Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. In the Valedictory function, Dr.Sultan Ahmed Ismail, Director, Ecoscience Research Foundation, Chennai participated as the Chief-guest and delivered a special lecture.

The objective of the programme was to encourage the students community to understand the importance of Physics in day-to-day life and also to motivate the students to take up research in the field of Physics as their career opportunity. During the two day programme, Under Graduate students of Physics from different colleges delivered demonstration lectures on “**Excitements in Physics**” along with the exhibits they developed on the concept in physics. Post Graduate students of physics delivered lectures to the student participants. Poster Designing Competition on the topic “**Physics in Everyday Life**” was organised for students of VIII standard and Quiz competition for students of IX and XI Standards. A total of 54 schools participated in the Quiz competition and 45 schools participated in Poster Designing Competition.

The valedictory function was organised on October 7, 2007. Dr.P.S.Goel, Secretary to Government of India, Earth Sciences was the chief guest and distributed the prizes and certificates to the winners of the competitions.

26. EDUSAT LIVE PROGRAMME SERIES

In coordination with Vigyan Prasar, New Delhi, a new series EDUSAT Live programme organised periodically from August 03, 2007 for the benefit of school students, teachers and social activist through Web Camera with EDUSAT Computer Systems. The series of programmes coordinated by Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, and Tmt.V.Valli, Planetarium Engineer, Tamilnadu Science and Technology Centre.

The following programmes were held under this unique activity.

Date	Name of the Topic	Name of the Expert	Beneficiaries
03.08.2007	Group discussion on "Adolcent Girls Health"	Vigyan Prasar New Delhi	School Teachers (6 Teachers)
21.08.2007	Quiz Contest on India in Space	Vigyan Prasar New Delhi	School students of Level XI Standard (10 Students)
12.09.2007	One Day Training Programme on "Physics Activity Kit"	Vigyan Prasar New Delhi	School Teachers and Science Activitist (13 Participants)
24.12.2007	One day programme on Finding the coordinates of a place	Vigyan Prasar New Delhi	School teachers 30 participants.

27. ONE DAY WORKSHOP ON VERMITECH FOR HOME MAKERS

Presently, the importance of natural fertilizers over chemical fertilizers are felt by the masses. To educate Home makers on preparing fertilizers using Vermitech method and to encourage them to cultivate vegetables, etc at their roof-top or

available space in the home, a one-day workshop on "Verimtech for Home Makers" was organised on August 04, 2007 in coordination with Eco Science Research Foundation, Chennai. This programme, was inaugurated by Dr.Sultan Ahmed Ismail, Director, Ecoscience Research Foundation, Chennai ;under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. 43 Home makers participated and got benefited. The following were the resource persons.

Dr.Sultan Ahmed Ismail, Director, Ecoscience Research Foundation, Chennai,
Mrs.Dhakshayani Ganesh, Ecoscience Research Foundation, Chennai.

28. 10TH DR.C.P.GOPALARAMAN ENDOWMENT POPULAR LECTURE

On September 05, 2007, **10th Dr.C.P.Gopalaraman Endowment Popular Lecture** were organised at the Periyar Science and Technology Centre for the benefit of the student community in a befitting manner on the topics which were dearer to him.

Prof.Ghanashyam Date, Professor, The Institute of Mathematical Sciences, Chennai delivered a special lecture on "**General Theory of Relativity in Global Positioning System**". Thiru.V.G. Sivanandam, Advisor to Indian Society Glassblowers, Chennai presided over the function. Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai participated and gave the lecture. A total of 30 students from 10 schools participated and got benefited.

A quiz competition on the topic "**General Astronomy**" was conducted for teams of IX and XI Standard students. The winners of the competitions were given book prizes and certificates.

29. ONE DAY PROGRAMME ON "SPEND A DAY IN SCIENCE CENTRE"

In co-ordination with Sri Krishna Sweets, Chennai a one day programme on "Spend a Day in Science Centre" was organised for Corporation and Government school students, during **September 20, 2007**. The programme was intended to

teach the science concepts they learn in their school text books by way of experiments and interactive exhibits. The programme was inaugurated by Thiru.G.Balasubramanian, Former Deputy Director of Translations, Tamil Development-Culture Department, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. A total of 78 students and 7 teachers participated and got benefited.

Dr.G.Vijayakumar, Psychologist, Chennai, Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Dr.S.Soundararajaperumal, Deputy Director, B.M.Birla Planetarium and Thiru.G.Durairaj Gnanamuthu, Senior Scientific Assistant were the resource persons.

30. SPECIAL LECTURE SERIES ON SOLID STATE PHYSICS ON FOUR SATURDAYS

A new science programme “**Special Lecture Series on Solid State Physics**” was introduced with the intention to organise this programme every Saturday for four weeks by inviting Prof.R.Asokamani, Visiting Professor, School of Mechanical and Building Sciences, Vellore Institute of Technology, Vellore. The programme was inaugurated on September 29, 2007. Students from various colleges have participated and got benefited.

31. ESTABLISHMENT OF NEW EDUCATIONAL FACILITY – MIRROR GALLERY

A permanent exhibition entitled “**Mirror Gallery**” comprising of 18 exhibits, was set up in an area of 2000 Sq.ft. for the benefit of the students and visitors. The objective of the gallery is to explain the fundamentals of optics and formation of images.

The fun Mirror Gallery consists of **Ghost Walk, Vanishing Image, True Image, Dine With Yourself, Seventeen Images, Side Image,**

Reflections from Kitchen etc. It has a special feature to trace the pathway in the exhibit called **Mirror Maze**. Also, 17 panels depicting various illusions, attracting the visitors.

The gallery was inaugurated on October 03, 2007 by by Thiru.K.Ganesan, I.A.S., Secretary to Government, Higher Education Department, Government of Tamilnadu, in the presence of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre.

32. TWO DAY PROGRAMME ON “AUDIO SCIENCE SERIES”

In coordination with Vigyan Prasar, Department of Science and Technology, New Delhi, a two-day National Orientation-cum-Training Programme on “**Audio Science Series**” was organised during October 04-05, 2007. The programme was inaugurated by Dr.V.B.Kamble, Director, Vigyan Prasar, New Delhi under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. A total of 30 participants from all over India participated and got benefited. B.K.Tyagi, Scientist-B, Dr.T.V.Venkateswaran, Principal Scientific Officer, vigyan Prasar, New Delhi, were the resource persons.

33. TWO DAY SCIENCE CAMP ON “PROBLEM SOLVING IN PHYSICS”

In coordination with Science Olympiad Foundation, New Delhi a two day Science Camp on “**Problem Solving in Physics**” was organised during October 13-14, 2007, to train the VIII and IX Standard school students to face the competitive examinations in Physics. The programme was inaugurated by Prof.T.S.Natarajan, Professor of Physics, IIT-Madras, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total of 120 students participated and got benefited.

Prof.T.S.Natarajan, Professor of Physics, IIT-Madras, Chennai, Thiru.B.Pavan Kumar, Head, FIITJEE, Chennai, Thiru.D.I.Sundar Raj, National coordinator, Science Olympiad Foundation, New Delhi and Tmt.Kanchana Devi, Regional Coordinator of Science Olympiad Foundation, Chennai were the other resource persons.

34. ONE DAY PROGRAMME ON “HANDS ON SCIENCE LEARNING”

In coordination with the IBM-India Pvt. Ltd., to promote the science awareness among the students, a one day programme on “**Hands on Science Learning**” was organised exclusively for the Corporation School students of IX and X standards on October 16, 2007. The programme was inaugurated by Dr.R.Baskara Sethupathy, Educational Officer, Corporation of Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. Ms.Srividya and other officers from IBM-India Pvt. Ltd offered their felicitations. A total of 113 students and 8 teachers from 10 schools were participated and got benefited. During the programme following resource persons shared their expertise:

Demonstration on Computer Awareness	-	Ms.Srividya IBM-India
Hands on Science Demonstration	-	Dr.P.Iyamperumal Executive Director, TNSTC Thiru.G.Durairaj Gnanamuthu Senior Scientific Assistant,. PSTC
Environmental Production	-	Prof.Sultan Ahmed Ismail Eco Science Foundation, Chennai.
Practice on Learning Technologies	-	Dr.G.Vijayakumar Psychologist, Chennai
Introduction on Astronomy	-	Prof.P.Devadas, President Tamilnadu Astronomy Association Chennai.
Activity : Sun Spot Observations	-	Dr.S.Soundararajaperumal Deputy Director (Planetarium) B.M.Birla Planetarium.

35. ONE DAY SPECIAL LECTURE PROGRAMME ON CHANDRASEKHAR : AN ASTRONOMER

In Commemoration of the **Birth Anniversary Celebrations of Prof.Subramaniam Chandrasekhar**, Tamilnadu Science and Technology Centre organised a one day **Special Programme** on October 19, 2007. The programme was inaugurated and a lecture on the topic "**Chandrasekhar : An Astronomer**" was delivered by Prof.K.S.V.S.Narasimhan, former Professor and Head, Department of Mathematics, New College, Chennai and Visiting Lecturer , Inter University Centre for Astronomy and Astrophysics, Pune under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. A total of 55 students participated and got benefited.

Also, a written Quiz competition of a team of two students, one from IX standard and other one from XI standard, on the topic "**Stellar Evolution**" were conducted. Prof.K.S.V.S.Narasimhan have distributed the prizes and certificates to the winners of the quiz competition.

36. FIVE DAY PROGRAMME FOR MATHEMATICS TEACHERS

A five day programme on "**Science Learning Through Hands on Experience**" was organised for the benefit of Government Middle School Teachers Primary and Middle level Mathematics Teachers during November 26-30, 2007. The programme was attended by 60 teachers from all over Tamilnadu and inaugurated by Dr.A.Subbiah Pandian, Senior Lecturer, Presidency College, Chennai, under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre. As a part of the programme, a one day field trip to Indira Gandhi Centre for Atomic Research, Kalpakkam was also organised.

The following members has exchanged their expertise:

Dr.A.Subbiah Pandian, Senior Lecturer, Presidency College, Chennai, Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Tmt.Meena Suresh, Principal, Kavi Bharathi Vidyalaya Mat.Hr.Sec. School, Chennai, Dr.Sultan Ismail Ahmed, Director, Eco-Science Research Foundation, Prof.S.Sarguna Stephen, Retired Professor, Nandanam Arts College, Chennai, Thiru.J.Daniel Chellappa, Head, Technical Coordination and Public Awareness, IGCAR, Shastri Bhavan, Chennai, Prof.P.Devadas, President of Tamilnadu Astronomy Association, Thiru.N.J.Ajith, Centre for Co-operation in Science and Technology Among Developing Societies, Thiru.Senthilathiban, Dr.Mahendhran, Dr.S.Soundararajaperunmal, Joint Director of B.M.Birla Planetarium, Dr.R.Srinivasan, Scientific Officer, Periyar Science and Technology Centre, Thiru.G.Durairaj Gnanamuthu, Senior Scientific Assistant and Thiru.B.David Ponnudurai, Scientific Assistant of Periyar Science and Technology Centre, Chennai.

37. ECO WORKSHOP FOR RURAL MASS

Tamilnadu Science and Technology Centre has organised a two day workshops for the rural mass of Thiruvannamalai, Villupuram and Thirukoilur regions during December 1-7, 2007 with the main objective to inculcate eco awareness among the rural community and also to develop eco clubs among the women self help group, youth from career cell and representative from children parliament. Dr.Sultan Ismail Ahmed ,Director, Eco-Science Research Foundation, Prof.Narasimhan , Madras Christian College, Ms.R.Sridevi, Project Officer, C.P.R. Environmental Centre, Mrs. Josephine, Manager, Tamilnadu Pollution Control Board and Mr.B.David Ponnudurai, Scientific Assistant , Periyar Science and Technology Centre were the Resource persons for the above Workshop. A cultural event comprising puppetry, skit and song was performed on this occasion.

38. INSTALLATION OF TELESCOPE AT RAMESWARAM

To promote the tourism, as per the request of PWD (Buildings) Ramanathapuram, a terrestrial telescope was installed at the coast near Rameswaram. The site overlooking several tiny islands is being developed as a tourist spot. It has the historical importance as it is the place through which Swami Vivekananda returned to India after his first visit to USA and Chicago speech. After handing over the telescope Dr.S.Soundararajaperumal delivered a lecture to the students and teachers of Sri Vivekananda Vidyalaya, Rameswaram on 'Types of Telescopes' over 100 students and teachers attended the programme. The telescope was erected by Thiru S.I. Marimuthu, A Ramakumar and Dr.S.Soundararajaperumal of Tamilnadu Science and Technology Centre

39. MATHS WORKSHOP

A two day Math workshop was organised for the academic core team teachers of primary and middle school level, Tirukoilur Region during December 14-15, 2007. Dr.P.Iyamperumal, Executive Director, Tamilnadu science and Technology Centre inaugurated the programme. Hands on experience on Mathematics was given to the participants by providing kits to understand the various concepts. Thiru. A.T.K. Bose, Director, Ramanujan Math Education Centre, Raypuram was the chief resource persons along with team members Tmt. Meena Suresh and Tmt. Jayamathi

40. MEASURING LATITUDE AND LONGITUDE OF A PLACE – TEACHER TRAINING PROGRAMME.

By studying the shadow cast by a Gnomon (dial) it will be possible to measure the latitude and longitude of a place. As an activity during winter holidays for the students, the training programme to carry out the experiment was conducted for the school teachers on 18.12.2007 Gnomons measuring 2 meters and training were provided to the teachers. 38 teachers from different schools attended the programme. The teachers and students later conducted the experiment measured the latitude and longitude of their schools and submitted the results.

41. WINTER SCHOOL ON ASTRONOMY AND ASTROPHYSICS CAMP

A three day “**Winter School on Astronomy and Astrophysics Camp**” was organised for the benefit of the school students during December 26-28, 2007. Topics like Fundamentals of celestial coordinate system, Solar system, Studies on the Moon, Birth and Evolution of stars, Galaxies, Cosmology, Telescopes in Astronomy etc were dealt with. The programme has attended by 65 students of level VII, VIII and IX standards.

Prof.P.Devadas, President of Tamilnadu Astronomy Association, Dr.P.Iyamperumal, Executive Director of Tamilnadu Science and Technology Centre, Prof.K.S.V.S.Narasimhan, Former Professor and Head of the Department (Maths), New College, Prof. Ramakarthikeyan, Retd Professor of Mathematics, Vivekananda College, Chennai and Dr.S.Soundararajaperumal, Joint Director, Thiru.I.K.Lenin Tamilkovan, Senior Scientific Assistant, Periyar Science and Technology Centre were the resource persons.

42. GENERAL ASTRONOMY COURSE

To bring both the excitement and the underlying science of the adventure in the subject astronomy to the participants, a four week course on “**General Astronomy**” was organised on consecutive Saturdays and Sundays, in the evening hours between 03.00 and 06.00 p.m, starting from December 29, 2007. In the course, 27 participants (both the general public and students) participated and got benefited.

The subject astronomy was conducted on the following lines viz., Spherical Astronomy, Solar System, Stellar Evolution, Nebulae, Galaxies, Principles of Telescopes and Astro Photography, were dealt, utilizing the planetarium sky theatre facility and expertise of Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai. Prof.R.Ramakarhikeyan, Former Professor of Mathematics, Vivekananda College, Chennai delivered a special lecture.

The programme was inaugurated by Prof.P.Devadas, President, Tamilnadu Astronomy Association, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director of Tamilnadu Science and Technology Centre.

43. INDIA TOURIST AND INDUSTRIAL FAIR

Periyar Science and Technology Centre participated in the “**34th India Tourist and Industrial Fair-2008**” and conducted the Science Exhibition, as in the past. In the science pavilion 51 interactive type of exhibits, depicting different scientific and technology principles, were displayed covering an area of 60’x40’ for the benefit of the visiting general public and students.

The science exhibition was conducted from 31.12.2007 to 17.03.2008. A total of 1,02,010 persons visited the pavilion and got benefited.

44. INTER-SCHOOL SCIENCE EXHIBITION

In commemoration of the “**International Year of Planet Earth**” the Tamilnadu Science and Technology Centre, in collaboration with Madras Science Association organised a 3 day “**Inter School Science Exhibition**” during January 28-30, 2008 on the theme “**Save Our Mother Earth**” in two levels (Level I for IX std & Level II for XI std students), at the campus of the Periyar Science and Technology Centre. A total of 45 schools actively participated in the exhibition displaying 63 projects.

As part of the exhibition, Quiz competition on the topic “Earth and Environment” was conducted at two levels (Level I for IX std & Level II for XI std students). A total number of 168 students from 42 schools participated. Elocution on the topic “Environment” was organised for the IX standard students. A total number of 63 students participated in the competition.

Also lecture programmes were organised. Er.Ganapathy, Inventor of Earth Quake Early Warning System, Chennai delivered lecture on “Interior of Earth and Plate Movements”.

In the Valedictory function, Dr.Ganga Radhakrishnan, Director, Centre for Co-operation in Science and Technology Among Developing Societies participated as the Chief Guest and delivered a lecture on “Managing Non-Biodegradable Wastes”. The winners of the competitions were distributed with the prizes and certificates. First Prize winners in two levels were given bicycles and books worth of Rupees thousand each.

45. NATIONAL CONFERENCE ON MUSEUMS AND PERSONS WITH DISABILITIES

A Three day “**Enabling Museums**” National Conference on Museums and Persons with Disabilities was organised in collaboration with Regional Museum of Natural History, Mysore during February 14-16, 2008. The conference was inaugurated by Dr.M.N.G.Mani, Secretary General, International Council of Education for Visually Impaired under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. Dr.D.P.Singh, Head of Office, National Museum of Natural History, New Delhi participated in the programme. Dr.B.Venugopal, Scientist-in-charge, Regional Museum of Natural History, Mysore were the resource persons. In the programme, visually impaired, disabled students participated and got the guidelines from the resource persons.

46. AWARENESS PROGRAMME FOR VILLAGE HEADS ON PLANET EARTH

In coordination with National Council for Science and Technology Communication, New Delhi a two day awareness programme on “**Planet Earth**” was organised exclusively for **Village Heads** during February 22-23, 2008. The programme was inaugurated by Dr.V.Varaprasada Rao, I.A.S., Vice Chairman, Science City, Chennai under the presidentship of Dr.P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total of 60 participants participated in the programme from Villupuram, Thiruvallur and Kancheepuram Districts. Dr.Sultan Ahmed Ismail, Director, Eco Science Research Foundation, Chennai, Thiru. N. Srinivasan Asst. Engineer, Agriculture Engineering Department, Thiriru.B.Arulanandan, C.P.Ramasamy Foundation, Chennai, Thiru. Indira Kumar, Exnora, Thiru. Madhavan, ACMF, Padappai , Tmt. Annie. C. Josephine. Manager, Pollution Control Board, IIT for villages group were the resource persons. The programme concentrated on various aspects of farming, waste management, environment, vermi culture, etc.

47. MATH TALENT SEARCH CONTEST

A Math Talent Search Contest for students of level V to VIII Standard was organized on February 24, 2008, on pattern recognition and non-routine type of questions. A total of 1400 students, from all the four levels, participated.

A total of 186 students, from V, VI, VII and VIII were selected and awarded cash prizes on the National Science Day, function celebrated on March 3, 2008. Hon’ble Union Minister for Science and Technology, Dr. Kabil Sibal, distributed the prizes to the students.

48. TEMPORARY EXHIBITION ON “BIODIVERSITY : THE WEB OF LIFE”

In coordination with National Council of Science Museums, Kolkata, a Photo Exhibition on “**Biodiversity : The Web of Life**” was conducted during March 11-31, 2008. The exhibition was inaugurated by Prof.M.Madhusoothanan, Director, Centre for Industrial Consultancy and Sponsored Research, Anna University, Chennai under the Presidentship of Dr. P.Iyamperumal, Executive Director, Tamilnadu

Science and Technology Centre, Chennai. The exhibition covered the topics of Origin of Life on Earth, Evolution of Species, Endangered and Extinct Animals and Birds, Effect of actions of Human on Biodiversity and Indian Biodiversity etc. for the benefit of students and general public. About 10,000 students and 4000 general public have visited the exhibition.

49. SPECIAL AWARENESS PROGRAMME FOR THE STATE PLANNING COMMISSION OFFICIALS

To convey the latest developments in various fields of Science and Technology a one day programme was organised for the officials of State Planning Commission on 6th March, 2008. On that occasion, the activities of Tamilnadu Science and Technology Centre, Tamilnadu State Council for Science and Technology and Science City in popularising Science and Technology concepts were also explained. Dr. P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre delivered a science demonstration and also delivered a talk on the activities of Tamilnadu Science and Technology Centre, Dr. Vincent, Member-Secretary, Tamilnadu State Council for Science and Technology, explained the activities of the Council, Dr. Devasenathipathy, Science City presented a lecture on Science City's functioning. About 15 officials from the State Planning Commission attended the programme.

50. AWARENESS PROGRAMME FOR VILLAGE HEADS ON PLANET EARTH

In coordination with National Council for Science and Technology Communication, New Delhi a two day awareness programme on "**Planet Earth**" was organised exclusively for **Village Heads** on March 14-15, 2008. A total of 37 participants participated in the programme from Cuddalore, Vellore and Thiruvannamalai Districts. The programme was inaugurated by Prof. Sultan Ahmed Ismail, Director, Eco Science Research Foundation, Chennai.

Prof. Sultan Ahmed Ismail, Director, Eco Science Research Foundation, Chennai, Thiru.N.Srinivasan Asst. Engineer, Agriculture Engineering Department, Thiruru.B.Arulanandan. C.P.Ramasamy Foundation, Chennai, Thiru. Indira Kumar,

Exnora, Thiru. Madhavan, ACMF, Padappai , Tmt. Annie. C. Josephine. Manager, Pollution Control Board, IIT for villages group were the resource persons. The programme concentrated on various aspects of farming, waste management, environment, vermi culture, etc.

51. HANDS AND MIND IN SCIENCE LEARNING

One day programme on “Hands and Minds” in Science Learning for the teachers of Thiruvarur District Matriculation Higher Secondary School Federation was organised at the Neelan Educational Trust, Nidamangalam, on March 15, 2008. The main objective was to create hands on experience in science learning by way of science demonstration through experiments on various aspects based on the curriculum. The programme was inaugurated by Dr. P.Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. Dr.S.Soundararajaperumal, Joint Director, B.M.Birla Planetarium, Chennai, Thiru. G. Durairaj Gnanamuthu, Senior Scientific Assistant, Periyar Science and Technology Centre, were the resource persons. A total of 125 teachers participated and got benefited. A special Night Sky Observation Programme was organised on that day.

52. INTER-SCHOOL SCIENCE QUIZ COMPETITION

M.T.S. Academy, Ennore Port Turst and Periyar Science and Technology Centre jointly organised, as in the past, a Science Quiz competition-2008 was conducted for the students in two levels - Level- I VII to IX Standard and Level -II X to XII Standard on March 30, 2008. A total of 615 students actively participated in the competition. Cash prizes were distributed separately for boys and girls, participated in each level.

Hon’ble Thiru.S.Jagadeesan, former High Court Judge, Chennai participated and distributed the prizes to the winners of the competition under the presidentship of Thiru.S.Velumani, Chairman and Managing Director, Ennore Port Trust, Chennai. Dr.Cheyon, Hony. Secreary, M.T.S. Academy, Chennai and Dr.P.Iyamperumal, Executive Director of the Tamilnadu Science and Technology Centre participated and delivered special addresses on the occasion.

10.2 FACULTY DEVELOPMENT PROGRAMMES

Training Programmes / Conferences / Symposium / Workshops attended by the staff of the Centre are listed below:

Date	Training Programme / Conference/ Workshop	Staff Thiruvallargal/Tmt
20.04.2007 to 22.04.2007	Participated in the All India Annual General Conference held at Bhopal, Madhya Pradesh conducted by Museums Association of India.	Thiru.B.David Ponnudurai Scientific Assistant Thiru.A.Vetriselvan Electrical Supervisor.
16.07.2007 and 17.07.2007	Training programme on "Right Information Act 2005" organised by the Anna Institute of Management, Chennai.	Thiru.G.Durairaj Gnanamuthu Senior Scientific Assistant
06.08.2007 to 10.08.2007	Training programme on "Ethics in Administration" organised by the Anna Institute of Management, Chennai.	Thiru.B.David Ponnudurai Scientific Assistant
06.08.2007 and 08.08.2007	Training programme on "Right Information Act 2005" organised by the Anna Institute of Management, Chennai.	Dr.S.Soundararajaperumal Deputy Director
10.09.2007 to 14.09.2007	Training programme on "Gender Issues" organised by the Anna Institute of Management, Chennai.	Dr.R.Srinivasan Scientific Officer
27.09.2007 and 28.09.2007	Training programme on "Right Information Act 2005" organised by the Anna Institute of Management, Chennai.	Dr.P.Iyamperumal Executive Director
24.10.2007 to 26.10.2007	Training programme on "Pre-Retirement Counselling" conducted by the Anna Institute of Management, Chennai.	Thiru.B.Srinivasan Assistant Accounts Officer
05.12.2007	Training programme on "Pre-	Thiru.N.Parthasarathy

to 07.12.2007	Retirement Counselling” conducted by the Anna Institute of Management, Chennai.	Administrative Officer
17.01.2008 to 19.01.2008	Participated in the National Workshop on Formulation of Activities for Understanding Planet Earth Outreach Campaign at Centre for Cellular and Molecular Biology, Hyderabad	Thiru.G.Durairaj Gnanamuthu Senior Scientific Assistant
03.12.2007 to 10.12.2007	Participated in the Awareness Campaign on Nanotechnology at Science City, Chennai	Thiru.I.K.Lenin Tamilkovan Senior Scientific Assistant
21.01.2008 to 23.01.2008	Participated in the Orientation Programme on EDUSAT at Priyadarshini Planetarium, Trivandrum.	Dr.S.Soundararajaperumal Joint Director Tmt.V.Valli, Deputy Director Thiru.R.Balakrishnan Technical Assistant
16.01.2008 to 18.01.2008	Participated in the Conference of Planetarium Directors organised by Nasik-Planetarium at Nasik	Dr.S.Soundararajaperumal Joint Director

10.3 STAFF PARTICIPATION AS FACULTY MEMBERS IN SEMINAR / WORKSHOP / MEETING.

DATE	PROGRAMME	STAFF (Thiruvallur)
09.04.2007	Participated as Guest of Honour in the Inaugural Function of Science Club, organised by Science Olympiad Foundation, New Delhi at URC Palaniammal Mat. Hr. Sec. School, Erode.	Dr.S.Soundararajaperumal Deputy Director G.Durairaj Gnanamuthu Sr.Scientific Assistant
10.04.2007	Participated and preside over the lecture programme on “Museums for Future:Some International Examples” organised by Government Museum (Educational Activities), Chennai.	Dr.P.Iyamperumal Executive Director

11.04.2007	Participated as Chief Guest and delivered the presidential address on “Capacity Building for Self-Help Group Women through Community Radio”, in the Inaugural function of the TEQUIP Sponsored Programme, Department of Media Sciences, Anna University.	Dr.P.Iyamperumal Executive Director
21.07.2007	Participated as Quiz Master and conducted the quiz programme for the school students, under Ariviyal Arnagam Activities.	Dr. S.Soundararajaperumal, Deputy Director (Planetarium)
13.08.2007	Participated as Chief Guest and inaugurated the Science Exhibition “MANIFEST-2007” at Bharathiyar Mat. Hr. Sec. School, Guduvancheri, Chennai.	Dr.P.Iyamperumal Executive Director
13.08.2007	Participated as Chief Guest in the Science Camp and delivered special lecture at St.John’s International Residential School, Palanjur, Chennai.	Dr.P.Iyamperumal Executive Director
16.07.2007	Participated and acted as Judge for Evaluation the work of 44 teams comprises of 1500 students in the “International Coastal Cleaning Programme” organised by Coast Guard and National Institute of Ocean Technology, Chennai	Dr.P.Iyamperumal Executive Director
22.09.2007	Participated in the International Conference SEDSIC-2007, and delivered a special lecture “Careers in Astronomy” in the Cosmo Guide Programme organised by Vellore Institute of Technology University, Vellore.	Dr.S.Soundararajaperumal Deputy Director

23.09.2007	Participated in the International Conference SEDSIC-2007, as the subject expert and judged the paper presentations on “Extra Galactic Astronomy in the Nakshatra Paper Presentation Session” organised by Vellore Institute of Technology University, Vellore.	Dr.S.Soundararajaperumal Deputy Director
23.09.2007	Participated in the Valedictory function of The International Conference SEDSIC-2007, and delivered a special lecture “Overview of Space Programme, issues related to Space Debris” organised by Vellore Institute of Technology University, Vellore.	Dr.P.Iyamperumal Executive Director
03.10.2007	Participated as Chief Guest and inaugurated the Science Exhibition at MGR Adarsh Mat. Hr. Sec. School, Chennai	Dr.P.Iyamperumal Executive Director
05.10.2007	Participated in the ENDP programme and delivered a lecture “Global Warming” and “Effects of Climate Change” at St.John’s Hr. Sec. School, Besant Nagar, Chennai.	Dr.P.Iyamperumal Executive Director
09.10.2007	Participated in the Founder’s Day Celebration as Chief Guest and delivered a special lecture “The Students Role in the Nation” at Rao Bagadhur Allathur Nathamuni Chetty Group of Schools, Chennai.	Dr.P.Iyamperumal Executive Director
09.10.2007	Participated as Chief Guest and inaugurated the “Project Day” programme at Shri Krishnaswamy Mat. Hr. Sec. School, Chennai	Dr.S.Soundararajaperumal Deputy Director

17.10.2007 & 18.10.2007	Participated as Quiz Masters and conducted the quiz competition for the District Toppers of Andhra Pradesh State for GSLV Award in view of Space Week Celebrations held at Sathish Dhawan Space Centre, Sriharikota, Andhra Pradesh.	Dr.S.Soundararajaperumal Deputy Director G.Durairaj Gnanamuthu Sr.Scientific Assistant
26.10.2007	Participated in the Science & Technology Fest-2007 and inaugurate the Fest and deliver the presidential address at Jaigopal Mat. Hr.Sec. School, SRP Colony, Chennai	Dr.P.Iyamperumal Executive Director
26.10.2007	Participated as Quiz Master in the Science and Technology Fest-2007 at Jaigopal Mat. Hr.Sec. School, SRP Colony, Chennai	Dr.S.Soundararajaperumal Deputy Director
27.10.2007	Participated and acted as Judge for Evaluation the science projects in the Science and Technology Fest at Jaigopal Mat. Hr.Sec. School, SRP Colony, Chennai	G.Durairaj Gnanamuthu Sr.Scientific Assistant
12.11.2007	Participated in the Chakraview – 2007, a Techno Exhibition on Life and delivered Key Note address at S.B.O.A. Mat. Hr. Sec. School, Chennai.	Dr.P.Iyamperumal Executive Director
28.11.2007	Participated in the Sri Savithri Ammal Memorial Inter School Science Exhibition as Chief Guest and delivered the inaugural address at Boston Mat. Hr. Secondary School, Chennai.	Dr.P.Iyamperumal Executive Director

07.12.2007 to 09.12.2007	Participated in the 7 th Annual Conference of Heads of Museums and Science Centres and delivered a special lecture on “New Dimensions in Science Communications” organised by Regional Science Centre, Lucknow.	Dr.P.Iyamperumal Executive Director
.12.2007.	Participated and gave a lecture on “Cosmology” for Corporation School students at Science City, Chennai	Thiru.I.K.Lenin Tamilkovan Senior Scientific Assistant
16.01.2008 to 18.01.2008	Participated in the Conference of Planetarium Directors and delivered a special lecture on “Planetarium Show for the Hearing Impaired”, organised by Nasik-Planetarium at Nasik.	Dr.P.Iyamperumal Executive Director

10.4 T.V. TELECAST/ALL INDIA RADIO BROADCAST/PUBLICATIONS ETC.

May 08, 2007	Dr. S.Soundararajaperumal, Dy. Director (Planetarium) presented details of a Hypernova that occurred in the month of September 2006 in the News cum Discussion programme of Sun News Channel.
June 19, 2007	Dr.P.Iyamperumal, Executive Director presented details of “International Space Station” in the news programme of ZEE T.V.

June 20, 2007	Dr.P.Iyamperumal, Executive Director presented details of "International Space Station" and return of Atlantis Vehicle on 22.06.2007 in the news programme of SUN News Channel.
June 21, 2007	Dr.P.Iyamperumal, Executive Director presented details of "Research onboard International Space Station" in the live telephonic discussion programme of All India Radio Broadcasting.
July 24, 2007 to July 27, 2007 & July 31, 2007	Dr.P.Iyamperumal, Executive Director presented details of "Planetarium and Related Matters" in the "Kalaimalar - Thagaval Neram" programme of All India Radio Broadcasting.
August 01, 2007 to August 03, 2007 & August 07, 2007 and August 08, 2007	Dr.P.Iyamperumal, Executive Director presented details of "Planetarium and Related Matters" in the "Kalaimalar - Thagaval Neram" programme of All India Radio Broadcasting.
September 11, 2007	Dr.P.Iyamperumal, Executive Director presented details of "New Moon and Lunation's" in the "Awareness Programme" of Tamilan T.V.
September 11, 2007	Dr. S.Soundararajaperumal, Dy. Director (Planetarium) presented details of "Science of Sighting the Moon" in the "Awareness Programme" of Tamilan T.V.

11. ACTIVITIES OF THE ANNA SCIENCE CENTRE-PLANETARIUM TIRUCHIRAPPALLI

11.1 SPECIAL EVENTS

01. SKY OBSERVATION PROGRAMME

On every second Saturday “Night Sky Observation” is arranged with the help of telescopes for the general public and students during evening hours between 6.00 p.m and 8.30 p.m. Announcement about the Sky Observation Programme are periodically made through the News Papers. This programme is quite popular among students community.

02. SCIENCE DEMONSTRATION LECTURE PROGRAMME

On special request, Science Demonstration Lecture programme were organized at the centre as follows.

Date	Beneficiaries	Staff Member
09.05.2007	Group of Students of Sri Ranga College of Education	Thiru T.M. Alagiri Swamy Raju Project Director i/c Anna Science Centre Trichy
02.06.2007	Group of College Students from Saroja Venkatasan Teacher Training Institute, Pudur	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
08.06.2007	Group of College Students from Sri Ramachandra Teacher Training Institute, Vedaranium	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy

12.07.2007	Group of College Students from S.M.R Teacher Training Institute, Pudukottai	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
30.07.2007	Group of students of BAY's club, organized by Rotary Club of Trichy District	Thiru T.M. Alagiri Swamy Raju Project Director i/c
14.08.2007	Students of Summer Motivational Camp organized at Yadava College of Arts and Science, Madurai	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
22.08.2007	Group of College Students from Shree Thyagaraia Pillai College of Education and Teacher Training Institute.	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru A. Rajan, Senior Artist
07.09.2007	Group of College Students from Ponmari College of Education and Teacher Training Institute.	Thiru T.M. Alagiri Swamy Raju Project Director i/c
10.09.2007	Group of College Students from T.E.T College of Education and Teacher Training Institute, Namakkal	Thiru T.M. Alagiri Swamy Raju Project Director i/c
28.10.2007	Group of school Students from Nehru Hr. Sec. School, Puthinampatti	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy

03. SUMMER MATH CAMP

In the Summer Math Camp, organized with the main objective to enhance interest in math learning introducing novel concepts like art of framing the rules, mathemagic, calendars, magic squares, pythagoras theorem- engineering perspective and logical reasoning, model making etc..during December 26 & 27, 2006, a total of heterogeneous group of 66 students studying classes VII, VIII and IX from Tiruchirappalli and adjoining districts participated and got benefited.

Mrs. S. Vinatha and Mrs. Kalpana of Numero Gym, Tiruchirappalli handled the sessions.

04. SUMMER ASTRONOMY CAMP

To kindle scientific fervour and create interest in the subject Astronomy, a two day Summer Astronomy Camp was organized during may 05 and 06, 2007. In the programme a total of heterogeneous group of 72 students studying classes VII, VIII and IX from Tiruchirappalli and adjoining districts participated and got benefited. The following sessions were handled

Basic Astronomy	Prof. S. Rubanraj Department of Mathematics St. Joseph's College, Tiruchirappalli
Solar Activity	Dr. P. Duraiswamy Reader, Tamil University, Tanjore
Sky Watching Technique	Thiru. S. Jayapaul Scientific Assistant Anna Science Centre- Planetarium Tiruchirappalli
Calendar	Prof. S. Rubanraj Department of Mathematics St. Joseph's College, Tiruchirappalli
Eclipses	Thiru T.M. Alagiri Swamy Raju Project Director i/c Anna Science Centre, Tiruchirappalli

Man & Moon	Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre, Tiruchirappalli
Activity Based Astronomy	Thiru T.M. Alagiri Swamy Raju Project Director i/c and Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre, Tiruchirappalli
Visit to Planetarium, Science Centre and Evening Sky Observation	Thiru. S. Jayapaul Scientific Assistant and Thiru J.R. Pazhansiwami, Senior Scientific Assistant Anna Science Centre –Planetarium Tiruchirappalli

05. SUMMER SCIENCE CAMP

A two day Summer Science Camp was organized for the benefit of the students of level VII, VIII and IX during May 07 and 08, 2007. In the programme, a total of heterogeneous group of 62 students participated and got benefited. The following sessions were held.

Science Around Us	Thiru T.M. Alagiri Swamy Raju Project Director i/c Anna Science Centre Tiruchirappalli
Breathing Experience	Thiru T.R.G. Gowthamman Yoga Master
Basic Electronics	Thiru. John Flement Sundar Lecturer Sudarshan Engineering College Pudukottai
Motivation	Thiru. P. Marimuthu Motivational Expert

Science Demonstrations	Thiru. J.R. Pazhaniswamy Senior Scientific Assistant Anna Science Centre –Planetarium Tiruchirappalli.
Industrial Experience – Glass Blowing	Thiru. M.A. Stephen S.N. Scientific Company Kiranaur
Visit to Planetarium and Science Centre	Thiru. S. Jayapaul Scientific Assistant and Thiru J.R. Pazhansiwami, Senior Scientific Assistant Anna Science Centre –Planetarium Tiruchirappalli

06. NATIONAL TECHNOLOGY DAY CELEBRATION

During the year 1998, 3 successful technology events took place which made our Nation proud - the nuclear tests, test firing of Trishul missile and the maiden test flight of HANSA. To commemorate these remarkable achievements, May-11 is observed as “National Technology Day” every year.

Thiru P. Suresh Kumar, Assistant Director of District Employment Office, Tiruchirappalli interacted with the students gathering, both college and school students, and emphasized the need of the student community coming forward to tackle the present situation and march towards synergizing future technological development.

07. VIGYAN PRASAR EDUSAT EDUCATIONAL FACILITY

Utilizing the facilities, as provided by Vigyan Prasar – Department of Science and Technology – Government of India, the following programmes were specially arranged, besides regular screening of scientific programme for the visiting general public and the benefit of the student community.

Date	Activity by Vigyan Prasar	Beneficiaries
22.06.2007	Science Club Activities	College Students of St. Joseph's College and National College, Trichy
03.07.2007	P.C based Science Experiments - Dr. Rintunath	School Students of Annai Girls Hr. Sec. School
04.10.2007	Challenges of Space	School Students
25.10.2007	Workshop on Teaching of Modern Physics	Post Graduate School Teachers
31.01.2008	Natural and Man –Made Disaster and Mitigation	NSS/ NCC - College Student Volunteers
22.02.2008	50 years of launch of Sputnik	Elementary School Teachers
11.03.2008	Global Warming	School Students

08. MEET YOUR MEDICAL EXPERT

Periodically the programme “Meet Your Medical Expert” are organized inviting medical experts to counsel on medical aspects and encourage the younger minds to career developments. The following programme were organized during the period of this report.

Date	Topic	Expert
02.08.2007	Ill Effects of Drugs – Narcotics - Awareness among students community	Dr. R. Yeganathan Professor KAP Medical College Hospital Trichy
30.01.2008	Have an Eye on Eye Care	Dr. Davaki Senthil Kumar Consultant Surgeon R.N.H Eye Hospital, Trichy

09 . MEET YOUR SCIENTIST

Leading Scientists and Technologists are invited to share the benefit of expertise with the Students of both College and School level. The following were the programmes organized under this activity during the period of this report

Date	Topic	Expert
06.09.2007	Ozone Hole – Depletion of Ozone Layer and Our Concern on Environment, for school students	Dr. A. Alagappa Moses Department of Environmental Sciences Bishop Heber College Trichy
27.09.2007	Popular lecture talk on “Einstein Big Bang and Mathematic” for college students	Prof. (Retd) Ramakarthikayan Department of Mathematics Vivekananda College, Chennai

16.10.2007	Popular lecture talk on “Gravity, Missing Mass and Dark Matter” for college students	Dr. A. Alagar Ramanujam Former Principal N.G.M. College of Arts and Science Pollachi
05.12.2007	Popular lecture talk on “Recent Trends in Bio – Technology” for school students	Dr. P. Daisy Reader in Zoology & Co-Ordinator Department of Bio- Technology and Bio – Informatics Holy Cross College, Trichy

10. WORKSHOP ON EFFECTIVE TEACHING OF MATHEMATICS WITH MATH KITS

Two day workshop on “ Effective Teaching of Mathematics with Math Kits” intended for primary and high school level teachers, were organized separately at Anna Science Centre – Trichy during November 12 and 13, 2007 and at S. Vellaichamy Nadar College- Madurai during November 14 and 15, 2007.

In the programme held at Anna Science Centre, inaugurated by Thiru A. Thangavel, District Educational Officer of Tiruchirappalli under the president ship of Dr. P. Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, a total of 80 primary teachers and 80 high school teachers participated and got benefited.

In the programme held at S. Vellaichamy Nadar College, inaugurated by Prof. V. Alagappan, Syndicate member of Madurai Kamaraj University under the president ship of Dr. P. Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai, a total of 80 primary teachers and 80 high school teachers participated and got benefited.

A team of experts namely Thiru A.T.B Bose and Tmt Meena Suresh of Ramanujan Museum and Math Education Centre, Chennai exchanged their expertise and taught novel ideas to bring the class room teaching learner’s friendly by means of educational kits on mathematics

11. EXHIBITION ON HAVE AN EYE ON EYE CARE

Exhibition on “Have An Eye on Eye Care” were conducted on two different occasions during December 01 – 15,2007 and January 30-February 20 in collaboration with NSS Eye Trust Foundation, Chennai and R.N.H Eye Hospital, Trichy respectively.

Topics like Chemistry of Vision, Development of Eye and Fundus of Various Types, Contact Lens, Eye Donation, Eye Care were dealt displaying colourful photographs, translites and working models.

12. WINTER MATH CAMP

In the Winter Math Camp, organized with the main objective to enhance interest in math learning introducing novel concepts like art of framing the rules, mathemagic, golden ratio, fibonacci series, binary numbers, cryptography and its mathematical foundation, model making etc.. during December 28 & 29, 2007, a total of heterogeneous group of 84 students studying classes VII, VIII and IX from Trichy and adjoining districts participated and got benefited.

Mrs. S. Vinatha and Mrs. Kalpana of Numero Gym, Trichy handled the sessions.

13. WINTER SCIENCE CAMP

In the Winter Science Camp, organized with the main objective to infuse interest in science learning during December 30 & 31, 2007, a total of heterogeneous group of 65 students studying classes VII, VIII and IX from Trichy and adjoining districts participated and got benefited. The following sessions were handled by the experts. As part of the programme, visit to Science Galleries and Planetarium was also organized.

Practical Astronomy	Prof. S. Ruban Raj St. Joseph's College, Trichy
Bio- Technology and its application	Prof. R. Cecily Rose Mary Latha Holy Cross College, Trichy
Find Your Self	Mr. P. Marimuthu Motivational Expert, Trichy
Science – The Way of Life	Thiru T.M. Alagiri Swamy Raju Project Director i/c Anna Science Centre –Planetarium
Environmental Sciences	Prof. A. Alagappa Moses Bishop Heber College, Trichy
Origami	Thiru S. Natarajan and Thiru P.M. Sabari Kumar Free Lance Educators
Science Demonstrations	Thiru J.R. Pazhaniswami Sr. Scientific Assistant Anna Science Centre –Planetarium
Sky Observation Technique	Thiru S. Jaya Paul Scientific Assistant Anna Science Centre – Planetarium
Yoga Science	Thiru T.R Gowthaman Yoga Expert

14. NATIONAL SCIENCE DAY CELEBRATIONS – 2008

National Science Day Celebrations were organized with the same amount of emphasis like every year conducting different competitions for the school students. The topic “Save Our Planet – Earth” was the focal theme of the celebrations.

Date	Competition	Standard
05.02.2008	Drawing Competition	Students of level 6 th ,7 th and 8 th Std
12.02.2008	Essay	Students of level +1 Std

19.02.2008	Elocution	Students of level 9 th Std
26.02.2008	Quiz Competition	A team of Students of level 9 th and +1 Std

In the valedictory function held on March 01, 2008, the Chief Guest of the function Thiru T. Anandan, General Manager (HRD), BHEL, Trichy distributed the prizes under the president ship of Dr. P. Iyamperumal, Executive Director, Tamilnadu Science and Technology Centre, Chennai. A total number of 63 prizes were distributed and all the student participants were given participation certificates.

15. TRAINING CAMP FOR JUNIOR RED CROSS SCHOOL STUDENTS

One day training camp on “ Health, Hygiene and Environmental Protection” was organized on 10.03.2008 in collaboration with Indian Red Cross Society, Junior Red Cross and Tamilnadu Science and Technology Centre.

A total of 150 students, enrolled as JRC, from the schools namely Kajamian Hr. Sec. School, Periyar Maniammai Girls Hr. Sec. School, Townhall Govt. Girls Hr. Sec. School, Bishop Heber Hr. Sec. School and Holy Cross Hr. Sec. School participated in the programme.

In the programme, experts from different fields exchanged the benefit of expertise on the subject topics like Global Warming, Environmental Pollution, AIDS Awareness, Different Types of Disaster and Mitigation.

11.2 STAFF PARTICIPATION IN SEMINAR/ CONFERENCE /WORKSHOP / MEETING / EXHIBITION / TRAINING PROGRAMME/ ALL INDIA RADIO

Date	Programme	Staff (Thiruvalargal)
12.04.2007	Space and Moon – Special Lecture on Cosmonautic Day Celebration	Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
15.04.2007	Article on “Save Our Earth” in the Science Monthly Magazine “ Ariga Arivial”	Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
15.05.2007 & 16.05.2007	1. Science Around Us 2. Night Sky Observation In the Motivational Programme organized by Madurai Kamaraj University and Tamilnadu State Council for Science Technology, held at Madurai	Thiru T.M. Alagiri Swamy Raju Project Director i/c and Thiru. S. Jayapaul Scientific Assistant of Anna Science Centre Trichy
07.07.2007 to 16.07.2007	Mini Planetarium Programme at Neyveli Book Fair, Neyveli	Thiru R. Ahilan Computer Engineer and Thiru S. Jayapaul Scientific Assistant Anna Science Centre,Trichy
20.07.2007	All India Radio Talk on “ World Expedition to Moon”	Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
05.08.2007	Chief Guest Address and Interaction - the School Science Exhibition at CREA Children’s Academy Mat. School, Trichy	Thiru T.M. Alagiri Swamy Raju Project Director i/c

10.08.2007	All India Radio Talk on “ Saturn - - special features and space mission”	Thiru T.M. Alagiri Swamy Raju Project Director i/c
10.08.2007	Dr. Vainu Bappu Birthday celebration – interaction with School Students	Thiru J.R. Pazhaniswami Sr.Scientific Assistant and Thiru S. Jayapaul Scientific Assistant Anna Science Centre,Trichy
14.08.2007	Students of Summer Motivational Camp organized at Yadava College of Arts and Science, Madurai	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
17.08.2007	Inauguration of Science Club activities and Interaction with school students at Govt. Boy’s Hr. Sec. School, Laalgudi	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
23.08.2007	Inauguration of Science Exhibition and Interaction at Vailankanni Raj Mat. Hr. Sec. School	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
05.09.2007	Chief Guest Address and Interaction - the School Science Exhibition at St. Andrew’s Hr. Sec. School, Manaparai	Thiru T.M. Alagiri Swamy Raju Project Director i/c

21.09.2007- 25.09.2007	B. Srinivasa Rao Centenary Celebration at Thiruturaipoondi, Thiruvarur District	Thiru S. Jayapaul Scientific Assistant and Thiru A. Loganathan Electrical Supervisor Anna Science Centre
17.12.2007 – 20.12.2007	34 th Jawaharlal Nehru Science Exhibition at Karur	Thiru J.R. Pazhaniswami Sr.Scientific Assistant and Thiru A. Loganathan Electrical Supervisor Anna Science Centre
09.01.2008	Interaction with the student members of School Science Club at S.R.V Mat. Hr. Sec. School, Samaiapuram	Thiru T.M. Alagiri Swamy Raju Project Director i/c
10.01.2008	Interaction with school teachers of group of institutions of Sivananda Balalaya, Trichy – stressing on Joy of Learning.	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru J.R. Pazhaniswami Sr.Scientific Assistant Anna Science Centre Trichy
19.01.2008	Chief Guest Address and Interaction - the School Science Exhibition at Shree Vidya Mandir Mat. Hr. Sec. School, Thuraiyur	Thiru T.M. Alagiri Swamy Raju Project Director i/c & Thiru S. Jayapaul Scientific Assistant Anna Science Centre Trichy
21.01.2008 & 22.01.2008	Orientation Programme on Edu Sat facilities organized by Vigyan Prasar, Govt. of India at Kerala State Science and Technology Centre, Tiruvananthapuram	Thiru T.M. Alagiri Swamy Raju Project Director i/c Thiru J.R. Pazhaniswami Sr.Scientific Assistant & Thiru S. Jayapaul Scientific Assistant Anna Science Centre Trichy

14.02.2008 – 16.02.2008	National Conference on Enabling Museums – Museums and Persons with Disabilities	Thiru T.M. Alagiri Swamy Raju Project Director i/c
28.02.2008	Inter School Science Exhibition at St. Lorthu Middle School, Nagapatinam – Mini Planetarium Programme and Science Exhibition	Thiru R. Ahilan Computer Engineer & Thiru A. Loganathan Electrical Supervisor Anna Science Centre Trichy
29.01.2008 and 01.03.2008	Inter-Collegiate Festival at National Institute of Technology, Trichy	Thiru R. Ahilan Computer Engineer & Thiru S. Jayapaul Scientific Assistant Anna Science Centre Trichy
05.03.2008	Chief Guest Address and Interaction - the School Science Exhibition at Shree Sivanada Balalaya Mat. Hr. Sec. School, Trichy	Thiru T.M. Alagiri Swamy Raju Project Director i/c
15.03.2008	Interaction with School Teachers in the workshop organized by Neelam Mat. Hr. School, Tiruvarur	Thiru T.M. Alagiri Swamy Raju Project Director i/c Thiru J.R. Pazhaniswami Sr.Scientific Assistant & Thiru S. Jayapaul Scientific Assistant Anna Science Centre Trichy

**14. LIST OF PLANETARIUM PROGRAMMES
PRODUCED AND INTRODUCED TILL March 2008**

Sl. No	Inauguration Date	Title	Chief Guest
01.	11.05.1988	Exploring the Solar System	His Excellency Thiru.R.Venkataraman President of India
02.	07.11.1988	Violent Universe	Thiru.S.A.Subramani, I.A.S. Secretary to Government Electronics, Science and Technology Department, Chennai-9.
03.	16.03.1989	Are we along in this Universe	Dr.T.Natesan Director of Technical Education Chennai-25
04.	20.12.1989	Sky and Seasons	Dr.B.Illango Officer on Special Duty Electronics, Science and Technology Department, Chennai-9.
05.	15.08.1990	Edge of the Universe	Thiru.A.Sankarasubbian, I.A.S. Secretary to Government Education Department, Chennai-9.
06.	28.02.1991	Comets	Dr.V.Sankaranarayanan Officer on Special Duty Education Department, Chennai-9.
07.	22.10.1991	Our Universe	Thiru.R.M.Veerappan Hon'ble Minister for Education.

08.	31.03.1993	The Solar System and Beyond	Dr.C.P.Gopalaraman Executive Director Tamilnadu Science and Technology Centre, Chennai-25.
09.	23.11.1993	Space Wanderers	Dr.C.P.Gopalaraman Executive Director Tamilnadu Science and Technology Centre, Chennai-25.
10.	31.03.1994	The Land of the Midnight Sun	Dr.P.Dharmaraj Chief Engineer, PWD (Retd)
11.	13.07.1994	The Fascinating Universe	Prof.P.Devadas, President Madras Astronomy Association
12.	20.10.1994	Man on the Moon	Thiru.Jawahar Vadivelu Chairman & Managing Director Excel Finance Limited Chennai-35.
13.	03.02.1995	The World of Dinosaurs	Tmt.Jayanthi, I.A.S. Secretary to Government Education Department Chennai – 9. ... Inaugurated Thiru.N.Narayanan, I.A.S. Secretary to Government Finance Department Chennai – 9. ... Felicitated
14.	05.10.1995	October 24, 1995 Solar Eclipse	Dr.C.P.Gopalaraman Executive Director Tamilnadu Science and Technology Centre, Chennai-25.

15.	28.11.1995	Total Solar Eclipse	Thiru.G.K.Kulkarni Deputy Director Doordarshan Kendra Chennai – 5.
16.	22.01.1996	The Wonders of the Night Sky	Thiru.T.V.Venkataraman, I.A.S.(Retd) Chief Secretary Government of Tamilnadu.
17.	12.06.1996	The Myriad Suns (Countless Stars)	Thiru.Srinivasan, President Glass Blowers Association, Chennai.
18.	11.12.1996	In Search of Other Worlds	Dr.B.S.R.Reddy, Scientist CLRI., Chennai-20.
19.	28.04.1997	Tailed Intruder	Thiru.S.P.Elangovan, I.A.S. Secretary to Government Higher Education Dept. Chennai-9.
20.	06.11.1997	The Indian Cosmic Voyage	Thiru.I.Koti Padmakar Chief Divisional Manager Indian Oil Corpn.Ltd., Chennai.
21.	12.05.1998	Ornaments of the Night Sky	Prof.R.M.Vasagam Vice Chancellor Anna University, Chennai-25.
22.	29.01.1999	A Glimpse on Our Universe	Thiru.N.Ramakrishnan Chief Regional Manager Indian Overseas Bank Chennai (Metro) Region.
23.	03.08.1999	Solar Eclipse	Thiru.S.Swaminathan Senior Vice-President Pentafour Software & Exports Ltd. Chennai.

24.	06.10.1999	Life Beyond Earth	Thiru.M.E.Vasu General Manager Tamilnadu & Pondicherry Indian Oil Corpn.Ltd., Chennai.
25.	31.03.2000	Millennium Mysteries	Prof.P.Devadas, President Tamilnadu Astronomy Association Chennai-32.
26.	16.06.2000	The Red Planet – Mars	Thiru.I.V.Manivannan, I.A.S. Secretary to Government Higher Education Department Chennai-9. ... Inaugurated Tmt.C.K.Gariyali, I.A.S. Vice-Chairperson Science City Chennai-25 ... Presided.
27.	31.01.2001	Earth - The Living Planet	Ms.Amanda Cronkhite Vice-Consul Consulate of the United States of America, Chennai
28.	02.11.2001	Comet: The Bird of Passage	Tmt.C.K.Gariyali, I.A.S. Secretary to Hon'ble Chief Minister Govt. of Tamilnadu Inaugurated Thiru.A.M.Raman, I.A.S. Vice-Chairman Science City Chennai – 25 Presided
29.	20.12.2002	Our Worlds and Beyond	Thiru.V.K.Subburaj, I.A.S. Secretary to Government Higher Education Department.
30.	22.07.2003	Our Celestial Neighbour – The Moon	Thiru.A.Sankaranarayanan Managing Director Hindustan Motors Ltd., Chennai.

