

ACTIVITY REPORT

2023-2024



Ministry of Culture
Government of India



Visvesvaraya Industrial & Technological Museum

A unit of National Council of Science Museums
Ministry of Culture, Government of India

Kasturba Road, Bangalore- 560 001

Phone: 080 2286 6200 Fax: 080 2286 4114

www.vismuseum.gov.in e-mail: vitmuseum@gmail.com

ACTIVITY REPORT

2023-2024



Ministry of Culture
Government of India



VISVESVARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM

(A unit of National Council of Science Museums), Ministry of Culture, Govt. of India

Kasturba Road, Bangalore - 560 001

E-mail: vitmuseum@gmail.com website: www.vismuseum.gov.in

REGIONAL SCIENCE CENTRE

Near Alipiri Gate, Alipiri - Chittoor bye-pass

Tirupati - 517 507

rsctirupati@gmail.com



REGIONAL SCIENCE CENTRE AND PLANETARIUM

Jafferkhan Colony Road, Near New Bus Stand

Calicut - 673006

planetariumcalicut@gmail.com

rscpcalicut.org



DISTRICT SCIENCE CENTRE

Municipal Garden

Gulbarga - 585 103

scienceglb@gmail.com



DISTRICT SCIENCE CENTRE

N.H. No. 7, Kokkirakulam

Tirunelveli - 627 009

sciencecentrenellai@gmail.com

www.dsctirunelveli.org.in

SAJOO BHASKARAN K.

Director

Visvesvaraya Industrial &
Technological Museum

Kasturba Road

Bangalore - 560 001

A. D. CHOUDHURY

Director General

National Council of
Science Museums

Sector-V, Block- GN, Bidhan Nagar

Kolkata - 700 091

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**TABLE OF CONTENTS**

SI No	Details	Page No. No
01	Introduction	4
02	General Information	32
03	Existing Galleries	34
04	New Galleries / Major Renovations	35
05	Mobile Science Exhibition Units	35
06	New Temporary Exhibitions	35
07	Science Park	36
08	Exhibit Development	36
09	Collection of Artefacts	36
10	Planning	37
11	Mobile Science Exhibition Programmes	38
12	Science Education	
	a. Science Demonstration Lectures& Science Shows	40
	b. Nature Study Camp	42
	c. Environmental Awareness Programme	43
	d. Science on a Sphere	44
	e. Wright Brothers Flyer Simulator	44
	f. Film Shows (Video Shows)	45
	g. 3 D shows	45
	h. Popular Science Lectures	45
	i. Taramandal Shows	45
	j. Science Quiz	46
	k. Sky Observation Programme	46
12 (I)	Development of Video Programmes/Computer Software/Multimedia Programme	47
13	Creative Ability	
	a. Science Fair / Camp	49
	b. Science Seminar	51
	c. Creative Ability Centre (CAC)	52
	d. Vacation Hobby Centre	52
	e. Sit & Draw / Essay Writing	56

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

14	Training	
	a. Teachers Training Programme (TTP)	58
	b. Computer Training Programmes	58
15	Community Programmes	
	a. Science Drama/Puppetry/Other forms of Performing Art	59
	b. Other Community Programmes	60
16.	Commemorative Events	63
17.	Temporary Exhibitions	63
18.	Collaborative Programmes	65
19.	Library & Informatics	65
20.	Publications	66
21.	Construction	66
22.	Procurement of Equipment	68
23.	Personnel	
	a. Appointments	73
	b. Promotions	73
	c. Transfers	73
	d. Retirement	74
24.	Miscellaneous	
	a. Distinguished Visitors	75
	b. Media Programmes	76
	c. Popular Lecture by Staff	77
	d. Foreign Deputations	77
Annexure		
Annexure No	Details	Page No.
1.	Science Park Exhibits	78
2.	List of Exhibits Developed	84
3.	List of Popular Science Lectures	93
4.	Creative Ability Centre	101
5.	Commemorative Programmes	105
6.	Collaborative Programmes	111
7.	List of Committees	117

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

VISVESVARAYA INDUSTRIAL AND TECHNOLOGICAL MUSEUM, BANGALORE



VITM, Bangalore



RSC Tirupati



RSCP Calicut



DSC, Gulbarga



DSC, Tirunelveli

Visvesvaraya Industrial and Technological Museum (VITM), Bangalore (a unit of NCSM) is the Southern Zonal Head Quarters of NCSM. VITM was established in 1965. It has under its administrative control satellite units RSC Tirupati (1993), RSC P Calicut (1997), DSC Gulbarga (1984) and DSC Tirunelveli (1987).

The year 2023-24 witnessed new growth in the activities of the Museum like completion and handing over of Innovation Hubs set up as catalytic support under SPoCS, setting up of new exhibitions and organising new programmes, extending catalytic support to the Education Departments of Southern States in organising State Level Science Seminars, State Level Science Drama and Southern India Science Fair.

1. Setting up of New Gallery

A new Gallery '**BEL Hall of Electronics**' (Supported by Bharath Electronics Limited) was inaugurated on 28th December 2023 by Shri. Bhanu Prakash Srivastava, Chairman & Managing Director, Bharath Electronics Limited, Bangalore. Dr. B. Venkataraman, Director, Indira Gandhi Centre for Atomic Research, Kalpakam, Tamil Nadu and Chairman, Executive Committee, VITM Presided over the event. The gallery has 35 exhibits spread over area of 550 Sq Meters with a diverse array of exhibits spanning the realms of electronics. The programme was witnessed by 250 students and general public.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

VITM opened a new exhibit: **Full Scale Replica of Mars Rover OPPORTUNITY** to the visitors on 1st June 2023 in the Space Gallery of the Museum in collaboration with the United States Consulate General, Chennai. Sri M. Sankaran, Director, U R Rao Satellite Centre (ISRO), Bengaluru was the Chief Guest and inaugurated the exhibit in the presence of Ms. Marisa Lago, Under Secretary of Commerce for International Trade of US Department of Commerce and other officials from US and ISRO, India. About 400 students, teachers, media personnel and general visitors participated.



The inauguration of full scale model of **Chandrayaan – 3** was held at the Museum on 2nd November 2023. The model was inaugurated by Dr. P. Veeramuthuvel, Project Director, Chandrayaan-3, U R Rao Satellite Centre (URSC), ISRO, Bangalore in the august presence of Smt. M. Vanitha, Associate Director, URSC, ISRO, Bangalore and Smt. Nigar Shaji, Programme, Director, URSC, ISRO, Bangalore. 332 students, teachers and general public participated in the programme. The model is on display in Engine hall of the Museum.



142 new exhibits and a Science Demonstration Lecture with 14 experiments on 'Water' were designed, developed and fabricated in 2023-24 for the following Galleries / Exhibitions.

- Exhibits for '**BEL Hall of Electronics**' a New Gallery (Supported by Bharath Electronics Limited) at VITM, Bangalore,
- Exhibits for Fun Science & Water Gallery, Science Park for SRSC, Rajamahendravaram
- Temporary exhibition of Aditya L-1 & Nobel Prizes 2023 at VITM
- Temporary exhibition of Main Streaming Millets at VTIM,
- Temporary exhibition of "A Journey with Light of SRSC
- Science Demonstration lecture with 14 experiments on Water,
- MSE exhibits for new **Mobile Science Exhibition** on the theme 'Gene - Health Connect' for Centre for Cellular and Molecular Biology (CCMB) Hyderabad.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

2. Innovation Hub

The Innovation Hub at 'Pilikula Regional Science Centre', Mangalore setup by VITM on behalf of NCSM was inaugurated on 7th March 2024 by Shri. K. Sajoo Bhaskaran, Director, V I T M in the presence of many dignitaries.

Setting up of Innovation Hubs at Sub Regional Science Centre, Rajamahendravaram, Andhra Pradesh and at RSC Warangal, Telangana are completed and ready for inauguration.



Inauguration of Innovation Hub at 'Pilikula Regional Science Centre', Mangalore



Innovation Hub at SRSC, Rajamahendravaram, Andhra Pradesh



Innovation Hub at RSC, Warangal,

3. New Science Centres:

VITM continued the task of setting up of new **Science Centres** on behalf of NCSM as part of the SPoCS programme of Ministry of Culture, Govt. of India,

Setting up of **Rajamahendravaram Science Centre**, for Andhra Pradesh State Council of Science and Technology (APCOST), Govt. of Andhra Pradesh is completed and is ready for inauguration.

The Science Centre set up in an area of 5 acres has the following facilities

1. Water Worries Galleries
2. Fun Science Gallery
3. Science Park
4. Innovation Hub
5. Temporary Exhibition Hall
6. Taramandal – the mini Planetarium
7. Science Demonstration Hall



SRSC, Rajamahendravaram, Andhra Pradesh



Science Park

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Water Worries



Fun Science Gallery

4. Travelling and Temporary Exhibitions:

An exhibition **HEART for EARTH** was inaugurated during the 58th Anniversary of Visvesvaraya Industrial & Technological Museum (VITM), Bangalore on 27th July 2023 by Prof. Rohini Balakrishnan, Professor, Centre for Ecological Sciences, IISc, Bangalore. The programme was held in collaboration with the Echo network. A **Tree of Life** exhibit developed by VITM was the centre of attraction in the festival. Here visitors were allowed to write about one thing they value the most and action taken to protect our environment on a leaf and paste it on the Tree of Life. Organizations like **the echo network, Council on Energy, Environment and water (CEEW), Initiative for Climate Action (ICA), Hasiru Dala Innovations, Bangalore Creative Circus, Color Ashram, Science Gallery Bangalore, Reti Ecotech, Repair Café, Bengaluru Sustainability Forum and NUVEDO** actively participated and displayed their concepts in the festival (to create awareness about environment and sustainability). Screening of Short films, and storytelling sessions on Environment were also arranged during this festival. In addition workshops on 'Explore painting with natural dye' by Colour Ashram, Understand 'What climate action means' by Initiative for Climate Action, 'Book binding' using used sheets of paper by Repair Café, Home grown Mushroom by NUVEDO were also organised for students and visitors. The exhibition was held for one day. About 1400 Museum visitors visited the exhibition.



As part of the event **Launch of Aditya L-1 Solar Mission: a Panel Exhibition on Aditya L-1** was inaugurated by Smt. K A Sadhana, Director, VITM on 2nd September 2023. In addition other programmes like Live demonstration of the Aditya-exhibit in VITM Space Gallery, Live demonstration of Rocket Launching followed by an Open house Quiz on 'Solar Missions' was held for students and Museum visitors. About 500 students & general visitors participated. The exhibition was on display to the public up to 15th September 2023. About 22600 Museum visitors visited the exhibition.



An Exhibition on 'Waste to Art' was organised in the Museum from 27th to 29th October 2023. About 4,000 Museum visitors witnessed the exhibition. About 8180 Museum visitors visited the exhibition.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

A travelling Exhibition on Main streaming Millets was opened for visitors at the Museum on 30th November 2023 by Smt. K A Sadhana, Director, VITM. The exhibition features display of a variety of millets and millet based products supported with informative panels that delve into the history, cultivation, and culinary applications of millets. The exhibition puts a special highlight on the crucial role of individuals and communities to promote sustainable agricultural practices for access to healthy food. The exhibition was on display up to 31st January 2024. About 1,27,670 Museum visitors visited the exhibition.



A Panel Exhibition on 'Nobel Prizes – 2023' was inaugurated at the Museum on 11th December 2023. Dr. (Mrs.) Ranjani Viswanath, Professor, International Centre for Material Sciences, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore. She delivered an interactive popular talk on 'Quantum Dots – Revolutionizing the world of Materials'. About 275 students and teachers participated. The exhibition is on display in the Museum up to 31st March 2024. About 1,66,200 Museum visitors visited the exhibition.



5. Programs for Children, Divyangs (Specially Abled children)

A 'Science Signbee' workshop was organised on the occasion of International Day of Sign Languages on 22nd September 2023. Ms. Rubby, Sign language Teacher and Interpreter, All India Institute of Speech and Hearing, Mysuru conducted the workshop. 192 students including 57 are of differently abled children participated in the workshop.



25 specially abled - neuro challenged children with 6 teachers and 25 volunteers visited the Museum on 19th May 2023. They were given free entry to the Museum, organised a science Show on 'Science is Fun' and guided tour to the galleries of the Museum.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

6. Programs for Women & Girls

International Day of Women and Girls in Science was observed at the Museum on 11th February 2024. As part of the event an Open house quiz was organised on 'Famous Women in Science & Technology'. About 100 Museum visitors participated.

International Womens Day was celebrated in the Museum on 8th March 2024. As part of the event a digital Flipbook on 'Trailblazing Women in Science – from ancient history to today' was opened by Ms. Sucheta Deb Burman, Ultra Marathon Swimmer, Bangalore. Further she delivered a talk on 'Pushing the Boundaries of Human Capabilities'. About 100 students and general visitors participated.



7. Workshops & Vacational Hobby Courses

The Museum organised a **3 day workshop on 'Disaster Awareness'** from 15th to 17th May 2023 in collaboration with IEEE Move Outreach India. 34 students participated. Shri Sunand Sampat, Expert, Disaster Management conducted the workshop.



The Museum organised a '**Science Signbee**' workshop on **International Day of Sign Languages** on 22nd September 2023. Ms. Rubby, Sign language Teacher and Interpreter, All India Institute of Speech and Hearing, Mysuru conducted the workshop.

192 students including 57 differently abled children participated in the workshop.



The Museum organised **Summer Vacation Hobby Courses** from 17th to 21st April 2023 in

Chemistry and Electronics. 21 students participated in Chemistry & performed 30 experiments each and 19 students participated in Electronics and developed 3 projects. **Summer Vacation Hobby Courses** in **Physics and Arduino** were held from 1st to 5th May 2023. 23 students participated in Physics course and each of them developed 8 projects. 20 students participated in the Arduino course.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

8. Science Seminar, Science Drama Festival & Science Fairs

The Museum extended catalytic support to the Education Departments of Southern States in organising their State level Seminars on the theme 'Millets – a Super food or a diet fad'. **Pondicherry State level Science Seminar** 'was held on 11th September 2023, **Telangana State level Science Seminar** was held on 19th September 2023. **Andhra Pradesh State level Science Seminar** was held on 25th September 2023. **Kerala State level Science Seminar** was held on 26th September 2023. **Karnataka State level Science Seminar** was held on 26th September 2023.



Participant in Pondicherry State level Science Seminar

Southern India Science Drama Festival 2023 (SISDF 2023) was organised at the Museum on 23rd& 24th November 2023. The festival was inaugurated by **Shri Prakash Belawadi, Actor & Director, Bangalore** in the presence of **Mrs. Kamini Sawhney, Director, Museum of Art & Photography (MAP), Bangalore** on 23rd November 2023. 12 teams from Andhra Pradesh, Telangana, Karnataka, Kerala, Puducherry and Tamil Nadu presented dramas on the main theme '**Science & Technology for the benefit of Mankind**' with sub topics: 1) Millets – the Super food, 2) Food Security, 3) Modern Technology in Daily Life, 4) Current Advances in Health Care and 5) Superstitions in Society. A workshop on 'Scripting and Staging Science Drama' by Mrs. Lakshmi Karanth, Transmission Executive, Doordarshan Kendra was held on 24th November 2023 for the participants of SISDF 2023. The valediction of the event was held on 24th November 2023. **Shri. B. Suresha, Playwright & Filmmaker, Bangalore** was the Chief Guest and distributed prizes for the winners. About 440 students and teachers witnessed the drama festival.



SISDF 2023 Festival inauguration by Shri Prakash Belawadi



SISDF 2023 First Best Drama Sirdhanyave Saridhanya - Karnataka



SISDF 2023 Second Best Drama Lets Fly - Kerala



Valediction of SISDF 2023 Chief Guest Shri. B. Suresha, Playwright & Filmmaker, Bangalore

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

The Southern India Science Fair (SISF- 2024) was organised at Murali Convention Centre, Vijayawada from 28thJan 2024 to 1st Feb 2024 in association with all the Education Departments of Southern India and hosted by State Council of Educational Research and Training (SCERT), Govt. of Andhra Pradesh. The SISF-2024 was inaugurated on 28th January 2024 by Shri S. Suresh Kumar IAS, Commissioner of School Education, Govt. of Andhra Pradesh in presence of Sri. B. Srinivasa Rao, IAS. State Project Director, Samagra Shiksha of Andhra Pradesh, Govt. of Andhra Pradesh, Sri. B. Pratap Reddy, Director, SCERT Govt, of Andhra Pradesh. 185 projects on various topics were displayed by 182 students and 185 teachers from all the southern states of India. About 1500 students, teachers and general public participated in the inaugural programme of the fair. The fair was visited by 15,000 students, teachers and general public. During the Science Fair the Mobile Science Exhibition on the theme 'Space Technology for Human welfare' was organised. The exhibition was visited by about 16,000 students, teachers and general public. The valediction of the fair was held on 1st February 2024. Shri. B. Srinivasa Rao, IAS. State Project Director, Samagra Shiksha of Andhra Pradesh, Govt. of Andhra Pradesh was the Chief Guest.



SISF Inauguration



SISF Exhibition

The Museum organised an Engineering Fair for ITI and Polytechnic students from 12th to 14th March 2024. Several ITI's and Polytechnics participated in the fair with innovative models displaying their engineering skills. 116 students representing 9 Polytechnics and 9 Industrial Training Institutes presented 63 exhibits/projects on various themes. During the fair Seminar on the theme 'Recent Trends in Science & technology and a Team Quiz on 'Science & Technology' was organised on 13th&14th March 2024 respectively. The Valediction and Prize distribution of the Engineering Fair was held on 14th March 2024. Prof. Aweek Bid, Department of Physics, Indian Institute of Science, Bangalore was the Chief Guest. He also delivered a talk on 'What is NANO and Why should you care'. About 300 students and general public were present. The fair was visited by About 2,350 students and general visitors.



Inauguration



Exhibition



Valediction

9. Participation in Govt. Initiatives/Programmes.

Swachhata Pakhwada was celebrated at the Museum from 16th to 30th September 2023. As part of the event cleanliness drive in the galleries, workshops, office and in and about the premises of the Museum was organised. An interactive workshop on 'E-Waste Management' by Dr. Aprajita Singh, Head, Vans International Institute of E- Waste Management (VANSI-IEM), and Sri Balaji D C, Senior Project

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Manager, Saahas Zero Waste was conducted on 25th September 2023. On this occasion, E- Waste Bin facility at the Museum was also launched during the workshop. 229 students and general public participated.

The Swatchhata Drive Programe ('Shramdan') was organized at VITM and at VIMSA (Staff Quarters of the museum), Basaveshwaranagar, Bangalore on 1st October 2023.

A cleaning drive was taken up at VITM (Museum) & parking area of Cubbon Park, Bangalore to create awareness about Cleanliness and Hygiene among students and public. Shri. Supratik Banerjee, Associate Vice President, Kotak Mahindra Bank, M G Road, Bangalore, inaugurated the Swatchhata drive programe. 65 students and general visitors of Museum participated and cleaned about 5500 sq mtrs of area.

At VIMSA (Staff Quarters of the museum), 14th Main Road, Basaveshwaranagar, Bangalore to create awareness about Cleanliness and Hygiene among public at VIMSA and surroundings. Shri. Nagarajiah, Former Section Officer, Bangalore University inaugurated the Swatchhata drive programe and distributed the tools for cleaning the premises. About 40 residents of VIMSA and neighbors participated in this programe and cleaned the weeds in the garden of about 190 sq mtrs. The Plastic and other waste materials also collected from the VIMSA campus.

As part of Swatchta Hi Seva Campaign 3.0 cleanliness drive at Staff quarters and Museum premises was organised from 1st to 30th October 2023. Staff members participated in the event. A film show on **Swatchta** was organised on 12th October 2023. About 200 students and Museum visitors witnessed.



10. Participation in programmes for Outreach

VITM Participated in **Jnana Vijnana Tantrajana Mela 2024** held at Adichunchanagiri Mahasamsthana Math, Nagamangala Taluk, Mandya Dist on 19th& 20th February 2024 by organising a display of interactive Popular Science Exhibits. The VITM pavilion attracted 1,500 students and general visitors.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

11. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

As part of Azadi Ka Amrit Mahotsav programme, a Mobile Science Exhibition was organised in collaboration with ISRO (U. R. Rao Satellite Centre) Bengaluru at BBMP Composite High School & Pre University College at Mathikere, Bengaluru on 14th and 15th August 2023. VITM's mobile exhibition on 'Electricity & Magnetism' and ISRO's 'Space on Wheels' exhibition took part in this joint mega event. About 2,883 students, teachers and general public from host-school and neighboring schools and colleges reaped the benefit of this two-day programme. Apart from the exhibition, events such as fun science demonstration show, open house science quiz and water-rocket launching demonstration were conducted for the students and teachers. 1,650 students participated in the events.



Mobile Science Exhibition at BBMP Composite High School & Pre University College at Mathikere, Bengaluru



Water Rocket Launching demonstration during Mobile Science Exhibition

Children Day was celebrated by the Museum on 14th November 2023 by organising an Inter School Quiz contest on 'General Science'. 5 teams from different schools participated and was witnessed by 20 teachers and parents.

12. Commemorative and Other special Programmes

The Museum continued to celebrate several commemorative events and special programmes for students and general visitors with various activities like Open house quiz, Visual quiz, Elocution Contest, Drawing contest, Water Rocket Launching demonstration, Science Demonstration Lectures, Popular talks and many more throughout the year. These programmes attracted large number of participants.

REGIONAL SCIENCE CENTRE, TIRUPATI

Development Activities

1. Setting up of New Gallery

Setting up of Biomimicry Gallery is under progress.

2. Travelling and Temporary Exhibitions:

Mobile Science Exhibition on the topic 'Gene-Health Connect' was inaugurated by Prof. K. Raja Reddy, Vice Chancellor, Sri Venkateswara University, Tirupati at RSC, Tirupati on 31st May, 2023. The MSE was developed by a joint initiative of Visvesvaraya Industrial & Technological Museum, Bengaluru and Centre for Cellular and Molecular Biology, Hyderabad.



Herbal Garden was revamped and was inaugurated by Prof. K Raja Reddy, Vice Chancellor, Sri Venkateswara University, Tirupati at RSC, Tirupati on 23rd September, 2023 during 30th Anniversary Week celebration.



On the occasion of 30th Anniversary Week celebration, **RSC Anniversary Postal Stamp** was released by Prof. K Raja Reddy, Vice Chancellor, Sri Venkateswara University, Tirupati at RSC, Tirupati on 23rd September 2023.



A New Science Demonstration Lecture "QUARKS" was launched for general visitors and school students at RSC, Tirupati on 24th September 2023.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

A Panel Exhibition on the theme 'Solution to Plastic Pollution' was inaugurated by Shri K Narendra Babu, Environmental Engineer, APPCB, Regional Office, Tirupati at RSC, Tirupati on 5th June, 2023 during World Environment Day. **A Panel Exhibition** on Aditya L1 Mission was set open at RSC, Tirupati to visitors on 2nd September, 2023 during the Launch of Aditya L1. **Waste to Art Exhibition** was organised at RSC, Tirupati on 28th & 29th October, 2023 as a part of **Special Cleanliness Campaign** all the display materials of the exhibition were all made using the waste materials.

3. Programs for Women & Girls

International Day of Scientific Culture was celebrated at RSC, Tirupati on 28th September, 2023. Free visit for Underprivileged Children from Andhra Pradesh Tribal Welfare Girls School, Udayamanikya, Chandragiri. Guided tour, 3D show, Taramandal and Special Liquid Nitrogen show was organised for the students.

Earth Calling Programme was organised at RSC, Tirupati 4th February, 2024 in collaboration with the Green Tribe, Tirupati. Nature Walk was organised for girl children & home makers. Salad Making was organised for home makers, a Popular Lecture was delivered by Dr. Sindhu, Green Tribe on the topic 'Household Waste Management' and Workshop on Bio enzymes Making from Orange Peel was organised for the for girl children & home makers.

4. Science Seminar, Science Drama Festival & Science Fairs (organised at District level or state level)

Children's Science Festival held in collaboration with Tirupati Balotsavam was inaugurated by Shri G. Devendra Babu, Deputy Executive Officer, Tirumala Tirupati Devasthanam, Tirupati at RSC, Tirupati on 17th November 2023. *Science Fair on the topic 'STEM Education'* was organized on 17th & 18th November 2023 under Junior Category & Senior Categories. Science Drama Contest was also organised for students on the theme 'Science for Better Society / Life & Works of Any Indian Scientist'. 40 projects from 25 schools were on display & 15 Science Dramas were performed during the festival.



Science Drama Contest during Children's Science Festival at RSC T

5. Participation in Govt. Initiative Programmes.

Swachhata Pakhwada was observed at RSC, Tirupati from 16th to 30th April, 2023. Cleanliness Drive and Screening of Documentary on Swachh Bharat Abhiyan was organised. Flash Mob on Swachh Bharat Abhiyan was performed by the students. A Painting Contest was organised for the students on the topic 'Waste Management'.

Swachhata Divas- was observed at RSC, Tirupati on 1st & 2nd October, 2023 by organising Cleanliness Drive at Planetarium Road in collaboration with Way Foundation, Tirupati. Swachhata Pledge for staff and Swachhata Pledge Booth was setup & a Painting Contest on the topic 'Clean India Healthy India' was organised for the students.

Special Campaign 3.0 Cleanliness Drive was observed at RSC, Tirupati from 3rd - 31st October 2023. Cleanliness Drive was conducted at the Centre. Slogan Writing on Swachh Bharat Abhiyan was

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

arranged at the Centre. 'Waste to Art Exhibition' was organised at the Centre. All the display materials of the exhibition were all made using the waste materials available in the centre.

International Day of Yoga 2023 was celebrated at RSC, Tirupati on 21st June 2023 in association with Junior Chamber International, Tirupati and Yoga Association of Chittoor District, Tirupati. Yoga Session was organized at the Centre for staff, general public and students followed by Popular Talk on the topic 'How to get started with Yoga'.

Hindi Pakhwda was organised at RSC, Tirupati from 14th – 28th September, 2023. Hindi Diwas was celebrated on September 14, 2023. Hindi Elocution Contest, Hindi Poetry Contest, Hindi Essay Writing Contest, Hindi to English & English to Hindi translation contest and Workshop on Hindi in Official was organised for Staff of RSCT.

6. Participation in programmes for Outreach

Several Outreach programme like Popular Science Lectures, Workshops and Science Demonstration lectures etc were organised by the Centre. A Workshop on 3D printing was conducted at SV University College of Engineering, Tirupati during SIGMOID National Level Symposium organised by SV University college of Engineering. A Workshop on Creative Science Learning & Teaching was organised at Sasi Foundation, Velivenu, West Godhavari for students and teachers during 'Creativity Youth Festival'. A Nature Art Workshop was conducted during World Sparrow Day at Sri Venkateswara Zoological Park, Tirupati.

7. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

Visit of Underprivileged children to the Centre was organised in 2023-24. As part of the programme guided tour to the galleries, 3D Show and Science Show was organised. Science Kits were also distributed to the children. In addition the children were exposed to the various facilities of the Science Centre.

Independence Day was celebrated at RSC, Tirupati from 12th -15th August, 2023 in collaboration with Way foundation, Tirupati. On the occasion 'Poster Painting Competition on the topic India: Vision 2023' was held. A Selfie Corner was setup for the visitors to take photographs and to upload the same in social media and web portals. Meri Maati Mere Desh Pledge taking and tree plantation programme was organised followed by Cultural Programmes like Patriotic Songs and Classical Dance for students. Tiranga Magic Show was performed by Dr. Vijay Kumar, President, Rayalaseema Magicians Association.

8. Commemorative and Other special Programmes

The Centre organised several programmes during the year to commemorate the important days of Birth Anniversary of scientists and discovery of scientific facts and inventions. International Yoga Day, Earth Day, Environment Day, World Space Week, Moon Landing Week, International Museum Day, National Technology Day, NCSM Foundation Day, National Science Week for students, teachers and general public by organising activities like Drawing contest, Quiz, Elocution Contest, Reward the visitors contest, Workshops, Demonstrations and popular lectures.

The Centre collaborated with All Indian Radio, Tirupati, National Atmospheric Research Laboratory, Lions Club, Tirupati, JCI Tirupati, Andhra Pradesh Pollution Control Board, Tirupati, Indian Science Congress Association, Tirupati Chapter, Indian Institute of Science Education and Research, Tirupati, A P Council of Science & Technology, Vijayawada, Office of DEO, Chittoor, Yoga Association of Chittoor District and several other like minded organizations.

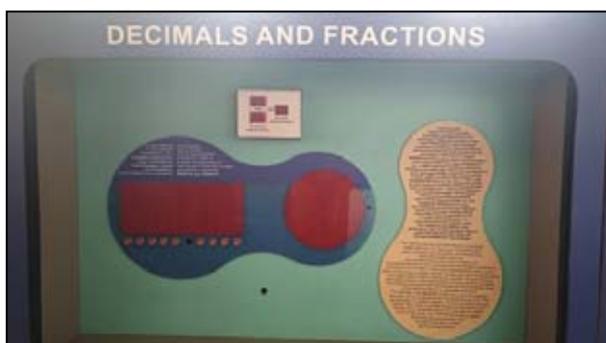
ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Regional Science Centre & Planetarium, Calicut (RSCP C)

Development Activities

1. New Exhibits (MSE Mathematics)

Three MSE exhibits on Mathematics were Designed, developed and Fabricated at RSCP C.



2. Programs for Children, Divyangs (Specially Abled children)

Happiness Painting Camp for Differently abled children was organized in association with SRAAVANIKA (Centre for Arts studies and research, Kozhikode) on 28th January 2024. 35 Differently abled children participated in the programme.



3. Programs for Women & Girls

RSCP C organised various programmes for girls and women. A Science demonstration was conducted during the inaugural session of one day workshop organized by Department of Education, Kozhikode at St.Vincent Colony Girls HSS on 16th January 2024. About 700 girl students witnessed the programme. As a part of Betti Bachao Betti Padoo programme RSCP C conducted a special Sky Observation programme for the students of Providence Girls Higher Secondary School on 8th February 2024. Students were given training in using mobile apps like Stellarium and Google sky map in the Sky observation session. About 50 girl students and their parents participated in the programme. As a part of International Women's Day, RSCP C conducted a special Open House Quiz contest on 8th March 2024. 35 girl students and 10 women participated in the programme.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Sky Observation for Girl students as a part of Betti Bachao Betti Padoo programme Open House Quiz on Women's Day

4. Workshops, Vacational Hobby Courses & training programmes like TTP & Computer training

Genius Appreciation Conference 2023 was conducted by the Centre in association with Kozhikode corporation for the winners of Kerala LSS / USS Scholarship 2023 on 7th November 2023. Honourable Mayor of Kozhikode, Dr. Beena Philip, Deputy Mayor of Kozhikode, Shri Musafar Ahammed and Ms. Rekha C, Education & Sports standing committee chairperson were present on the occasion. About 400 students and 50 teachers participated.



One day training session for SPC (Student Police Cadet) Teachers was conducted in association with Kerala State Commission for Protection of Child Rights and Department of Police, Kerala on 9th January 2024. A session on "Child Rights and Law" was conducted by Adv. Aparna Narayanan.

Summer vacation creativity workshops were organized at the Centre. Creativity workshop "The Joy of Learning Science" was conducted from 17th -23rd April 2023. Creativity workshop "The Art of Physics" was conducted for high school students from 24th to 28th April 2023. Creativity workshop "STEM projects" and Creativity workshop "Vijnana Kauthukam" were conducted for upper primary school students was conducted from 1st to 6th May 2023. "Electronics" Creativity workshop was conducted from 8th to 13th May 2023 for high school students. "Chemistry" Creativity workshop was conducted for high school students from 8th to 23rd May 2023.



'Art of physics' Creativity Workshop



Vijnana Kauthukam Creativity Workshop

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Teachers' training programme (TTP) in Science Magic tricks was conducted for B.Ed. Teacher trainees on 10th October 2023. 55 Teacher trainees participated. A TTP in Astronomy was conducted in the month of February 2024 and it was inaugurated by Dr. Surhud More, Professor at IUCAA and also the Manager of IAU – OAE India Centre on 20th February 2024. 30 teachers participated. RSCPC in association with Jamia Nadwiyya training college, Malappuram, conducted a Teacher's training programme in Science Magic Tricks on March 7, 2024 at Jamia Nadwiyya training college, Edavanna, Malappuram District. 200 Teacher trainees participated in the programme.



Teachers' Training programme in Astronomy



Teachers' Training programme in Science Magic Tricks

5. Participation in Govt. Initiative Programmes.

International Day of Yoga was observed at the Centre on June 21, 2023 in collaboration with Patanjali Yoga Research Centre Kozhikode. A yoga training session for staff members was conducted at 8.00am. Shri.K. Madhu, Patanjali Yoga Research Centre Calicut delivered a lecture 'Stress management through Yoga'. 30 people participated. An open house quiz on Yoga was conducted on the day. 25 visitors participated.

Hindi Fortnight was celebrated at the Centre from September 14-28, 2023 with various competitions and programmes. All the staff members took part in the Hindi Diwas Pledge taken on September 14, 2023 in the RSCPC auditorium. Various competitions like English to Hindi Translation, Essay writing and listen and writing were also conducted for the staff members.



Yoga demonstration during International Yoga Day



Staff members taking pledge on Hindi Diwas

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

6. Participation in programmes for Outreach

2 Outreach science activity programmes were organised for differently abled students by the Centre at Ashakiran school for Differently Abled Children and Karuna Speech & Hearing School on 10th July 2023 and July 12, 2023. Liquid nitrogen show was conducted for the children. 1040 students participated.



Outreach Activity for Differently Abled Children

7. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

Underprivileged children visited the Centre on in November 2023. The Science Centre organized Guided tour, 3D and Planetarium shows & Open house quiz for the Children. Science Kits were also distributed.



Guided tour for Underprivileged Children

On 15th August 2023 a multimedia Tiranga quiz and Selfie point with Tiranga program were organised for the visitors. 150 people participated in the program. The Center joined the #HarGhar Tiranga movement, by sharing selfies with Tiranga on Social media platforms



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

8. Commemorative and Other special Programmes

The Centre celebrated several commemorative events like National Technology Day, International Museum Day, National Science Day etc. with various activities. As part of its Science Communication & non-formal education extension activities, the Centre continued organising programmes like seminars, quiz contest, workshops etc. Likeminded organisations joined hands with the Centre in organising Collaborative events and other special programmes throughout the year for the benefit of students and general public. Large number of students and general public participated in the events.



Lecture on Innovative Technologies for Science Museums on National Technology Day



Lecture on "Indigenous Technologies for Viksit Bharat" on Science Day

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DISTRICT SCIENCE CENTRE, GULBARGA

1. Development Activities

Setting up of **New Gallery** on 'Human Biology' in under progress



2. Temporary Exhibition:

The panel exhibition on 'India's first solar mission – Aditya L1' was inaugurated by Dr. Narayana Inamdar, Rtd Scientist, NRSA, ISRO Hyderabad, NASA, Maryland on 2nd September 2023. This exhibition was kept open for the public from 2nd to 10th September 2023. 1,311 students, teachers and public visited the exhibition.



Panel exhibition on 'India's first solar mission – Aditya L1' at DSC G



Live streaming of 'India's first solar mission – Aditya L1' at DSC G

3. Programs for Women & Girls:

A group of differently abled students from Parivartana mandir Special children school, Akkamahadevi Colony, Kalaburagi visited the Centre on 3rd February 2024. During the visit, "guided tour' to various galleries of Science Centre including Science Park, Digital planetarium show and Heart beat rate demonstration were organised for the benefit of the students. Science kits were also distributed



Differently abled children experiencing science at DSC G.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

4. Workshops & Vacational Hobby Courses & training programmes like TTP & Computer training:

Vacation science camp was conducted during April & May 2023. **Physics course** was held from 10th to 15th April 2023 and 24th to 29th May 2023. Participants developed models and performed experiments in the area of electricity, magnetism, dynamics, sound, light etc. **Chemistry Course** was held from 10th to 15th April 2023. Various experiments were performed by the students to understand the types of chemical reactions, acid, base & salt and techniques of electroplating & anodizing. **Biology Course** was conducted from 10th to 15th April 2023 and 24th to 29th May 2023. 3 models were developed and experiments such as blood group identification, Human blood smear, TS of monocot and dicot leaves, stem and root, study of butterfly wings, leaf morphology, study of blood of frog etc., were performed by the students. **Electronics Course** was held from 10th to 15th April 2023. 3 models were developed and participants were exposed to making of electronic circuits on bread board to understand the characteristics of active and passive components.



Vacation science camp – Physics held at DSC G



Vacation science camp – Biology held at DSC G

Teachers' training programme was conducted on 8th February 2024. 12 curriculum based science models were developed during the Science model making workshop by the trainee teachers of Godutai College of Education, Kalaburagi. 35 trainee teachers attended the programme



5. Science Seminar, Science Drama Festival & Science Fairs (organised at District level):

The District-level Science Seminar on 'Millets – A Superfood or a Diet Fad' was organized for high school students of Kalaburagi District on 21st September 2023, in association with the District Institution for Education and Training (DIET), Kamalapur. Eight taluk-level winners from the taluks of Gulbarga District participated, with 85 students and teachers witnessing the event.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

District-level Science Drama on 'Science and Technology for the Benefits of Mankind' was organized for high school students of Kalaburagi District on 21st September 2023 in association with the District Institution for Education and Training (DIET), Kamalapur. Eight taluk-level winning teams from the taluks of Gulbarga District participated.



Students performing the District level Science Drama on 'Science and Technology for the benefits of mankind' at DSCG



Participants in District Level Science Fair at DSC G

6. Participation in Govt. Initiative Programmes:

Special Campaign 3.0 was observed from 30th September to 1st October 2023. A special cleaning drive was taken up in the public garden, Appa Lake, Yellamma temple and Tank bund road areas by the students and staff of DSCG. 26 students, teachers and DSCG staff members participated.

Swachhata hi seva campaign 3.0 was observed at the Centre from 1st to 31st October 2023. Painting contest on 'Harmful effects of plastic pollution', Open House Quiz on 'Health & Hygiene', Essay writing contest on 'Beat plastic pollution & You have the solution' and Interactive lecture on 'Plastic waste management & handling rules' were conducted. 141 students and teachers participated.

International Day of Yoga was celebrated on 21st June, 2023. Yoga practice session and Yoga Demo contest on "Yoga for Memory" were part of the event. 32 students and Teachers participated.



Staff in the cleanliness drive during the observation of Swachta Pakhwada at DSC G



Students of Scout and Guide from NV English medium school Kalaburagi participating in cleanliness drive activities at DSC G.

7. Participation in programmes for Outreach:

A special Mobile Science Exhibition was organised on 15th August 2023 at the Sports Stadium, Indi, Vijayapura District, during the flag hoisting ceremony. An Open House quiz on "Tiranga" was also conducted for the students. 2530 students, teachers, and the general public visited the exhibition. Another Mobile Science Exhibition was organised at Government Degree College, Lingasuguru, from 29th to 30th December 2023, in collaboration with the Karnataka State Scientific Research Council during the Science Conference. 2850 students and the general public visited the exhibition.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Mobile science Exhibition was organised at Sri Renuka Foundation School, Havalga, Afzalpur Taluk on 28 February 2024 during the Science Exhibition programme. 1570 students, teachers and general public visited the exhibition.



Special Mobile science Exhibition at the Sports stadium, Indi, Vijayapura District during the celebration of Independence Day

8. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav:

As part of the Underprivileged Children Programme, socially disadvantaged students from government schools in various taluks of Gulbarga and neighboring districts visited the Centre, from April 2023 to March 2024. During the visit, a guided tour of various galleries, Science Park, science shows, and demonstrations of heart beat rate, was conducted. Additionally, science kits were distributed to all the students and teachers. 818 students and 101 teachers participated.

As a part of Celebration of AzadiKa Amrit Mahotsav, a singing contest was organised for the staff of DSCG on 15th August, 2023. Tiranga Selfie points were provided as additional facility to the visitors in the science Centre on 14th & 15th August, 2023. The tri colour illumination was projected with LED lighting system on the main building of the District Science Centre including entrance. 65 students, staff and general public participated.



View of DSCG with tricolor illumination during the celebration of Azadi Ka Amrit Mahotsav



Guided tour in the Gallery for Underprivileged children visit to DSCG

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Commemorative and Other special Programmes:

The Centre continued its science popularization & non-formal education extension activities throughout the year for the benefit of students and general public. Several commemorative and special events like World Health Day, World Earth Day, International Museums Day, World Environment Day, Engineers Day, International Day of Scientific Culture, World Space Week, International Science Centre & Science Museums Day, Azadi Ka Amrit Mahotsav & Children's Day Celebration, International day for the Girl child, National Mathematics Day, National Science Day, were celebrated by organising various education activities like science demonstrations, Open house quiz, Model demonstration, drawing contest, elocution contest and interactive popular talks for students & general public. The programmes attracted large number of students and general public.

Innovation Fair was organized at the Centre on 30th& 31st January 2024. Dr. P. Srinivasa Reddy, Scientist, NRSC-ISRO, Hyderabad inaugurated the fair. Robotics workshop, Drone demonstration and Pottery demonstration were conducted as part of the fair. 26 models from High school category, 8 models from PU college/ITI category and 13 models from Degree college/Engineering College were on display in the innovation fair. 1831 students, teachers and public participated in the function, workshops and exhibition.



Science Cart demonstration during the celebration of International Museum Day at DSC G.



Innovation fair exhibition stall at DSC G.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DISTRICT SCIENCE CENTRE, TIRUNELVELI

1. Development Activities

Setting up of **New Gallery on 'Space technology'** in under progress.



2. Travelling and Temporary Exhibitions:

- A 4 days exhibition on 'My Own Artefacts Collection' was organized at DSC-T from 18th to 21st May 2023. 9 professional artifact collectors displayed more than 800 Artefacts. The Exhibition was inaugurated by Shri Asaithambi, Archaeological Officer, Thirumalai Nayakkar Mahal Palace, Madurai. Dr Vaithi Arumugasami, Scientist, Geffen School of Medicine, University of California, Los Angeles, U S A presided over the function. About 5,800 people visited the Exhibition.
- A Panel Exhibition detailing about the Aditya L1 mission launch was arranged for the benefit of visitors on 2nd September 2023.



3. Programs for Children, Divyangs (Specially Abled children)

- The Centre organized visit of Underprivileged Children (including differently-abled) on 02nd July 2023. The programme was organised in association with Nesa Paarvai Trust, Tirunelveli. About 315 children with 20 volunteers visited. They were given free entry to the Centre and facilities. The children also participated in a science Show on 'Science is Fun' and a contest on 'Guess by Action'.
- **Children's Day 2023** was celebrated at DSC-T by organising various contests on 14th November 2023. 'Aroma' contest was organised for visually challenged students, in which 24 students participated. 'Memory' contest was organised for Hearing Impaired students, in which 17 students participated.



'Memory' contest for Hearing Impaired students during Children's Day at DSC G

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

4. Programs for Women & Girls

The Centre celebrated International Women's Day on 8th March 2024 by organizing an Open House Contest on 'Match the Women Achievers'. About 180 Girls and Women participated.



Open House Contest during International Women's Day on 8th March 2024 at DSC T

5. Workshops & Vacational Hobby Courses & training programmes like TTP& Computer training

Regional level one-day Workshop on STEM was organised at DSC-T on 19th April 2023 in collaboration with Samagra Shiksha, Tirunelveli, Department of Integrated School Education, Govt. of Tamilnadu. 92 Teachers & Coordinators from Tirunelveli, Tenkasi, Thoothukudi and Kanyakumari Districts participated.

A special workshop on the topic 'Solid Waste Management' was organised on 20th April 2023 as a part of Swachhata Pakhwada. Shri S Prabhagar, Sanitary Inspector, Veeravanallur Town Panchayat, Tirunelveli District conducted the workshop.

An interactive workshop was organised for Students on 'Robotics for Beginners' on the occasion of National Technology Day on 11th May 2023. Shri A Muthu Raman, Founder & CEO, Kasadara Tech & Reality Studio, Tirunelveli conducted the session. 58 Students participated in this programme.

One day Workshop for School Students on 'Emerging Technologies' was organised on 8th July 2023 in collaboration with Entudio Pvt Ltd, Tirunelveli. Three workshops were conducted concurrently. 24 Students for Drones, 22 Students for 3D Printing Technologies & 40 Students for Robotics have participated.

The Centre organized a Workshop on 'Decoding Epigraphy' in association with Historical Heritage Field Research Centre (HFRC), Tirunelveli on 12th July 2023. Shri. Mariappan, Programme Co-ordinator, HFRC, handled the session. 129 Students along with teachers and general public participated.

The Centre organized a Workshop on 26th July 2023 for School teachers on 'Scripting Science Dramas'. 14 Teachers participated.

The Centre organized a Special one day Workshop for School Students on 29th July 2023 on the topic 'Acid, Base, pH & Indicators'. 31 Students participated.

A Workshop on '3D Printing Technologies' was organised on 15th September for college students as part of National Engineers' Day at DSC-T in association with Entudio Pvt. Ltd., Tirunelveli. 83 Students from various colleges participated.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

International Day of Scientific Culture was celebrated at DSC-T by organising a workshop for Students on 28th September 2023 on 'Chemical Reactions'. Many hands-on activities were performed by the students in which 39 Students participated.

An interactive Workshop on 'Say No to Corruption: Commit to the Nation' was organised on 2nd November 2023 in association with Dept. of Anti-Corruption & Vigilance, Tirunelveli. Shri E McClarine Eskhol, Add. Superintendent of Police, conducted the session. 53 students, teachers and DSC-T Staff participated in this event.

Teachers Training Programme Phase I was organised at DSC-T on 18th & 19th August 2023. Phase II was organised at DSC-T on 27th & 28th October 2023. In phase I 35 B.Ed. trainee Teachers from 7 different Institutions actively participated and were trained to make the Science Kits for effective class room teaching. 7 different kits were made and 245 kits were duplicated. In phase II 41 Teachers trainees from 4 different Institutions actively participated and were trained to make the Science kits for effective class room teaching. 8 different kits were made and 328 kits were duplicated.



Teachers Training Workshop Phase -1 held at DSC T



Teachers Training Workshop Phase -2 held at DSC T

Vacation Hobby Course on 'Electronics' was organised for School Students at DSC-T from 1st to 6th May 2023. 27 students participated. **Vacation Hobby Courses on 'STEM'** was organised for School Students at DSC-T from 8th to 13th May 2023. 29 students participated. **Vacation Hobby Courses on 'Bioscience'** was organised for School Students at DSC-T from 8th to 13th May 2023. 30 students participated. **Vacation Hobby Courses on 'Astronomy'** was organised for School Students at DSC-T from 8th to 13th May 2023.. 34 students participated.



Vacation Hobby Courses on 'STEM' at DSC-T

6. Participation in Govt. Initiative Programmes.

Swachhata Pakhwada 2023 was observed at DSC-T from 16th to 30th April 2023. In this connection an Open Visual Quiz was organised on 16th April 2023 on the topic 'Swachh Bharath Mission' and a cleaning drive by the Centre staff in the Pre-Historic Park area on 19th April 2023.

A special workshop was organised on 20th April 2023 on the topic 'Solid Waste Management'. Shri S Prabhagar, Sanitary Inspector, Veeravanallur Town Panchayat, Tirunelveli District conducted the workshop and



Swachhata Pakhwada cleanliness drive by Centre staff

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

explained about the effective ways of Solid Waste Management. Swachh Bharath Pledge was also taken with the participants at the end of the session.

42 Students and general visitors participated.

Special Cleaning drive as a part of Swachh Bharath Mission was organised at DSC-T by National Cadet Corps (NCC) volunteers on 12th June 2023. 168 NCC Cadets of 5TN Battalion took part in the cleaning drive at DSC-T Science Park area.

DSC-T organised several programmes in connection with **Swachhata Hi Seva 3.0** from 1st to 31st October 2023. Open House Quiz programme for Students & General visitors on the topic 'Green & Clean Environment' was held on 1st October 2023. About 131 students and general visitors participated. Cleaning drive in Science park area on 2nd October 2023, Mooligai Mutram area on 12th October 2023, Cleaning & weeding of old items on 19th October 2023 & First Floor galleries on 25th October 2023, Special cleaning drive with NSS Volunteers of Sadakadulla Appa College, Rahmath Nagar, Tirunelveli & NPNK Group, Tirunelveli along with DSC-T staff on 21st October, 2023, Special Street play to create awareness among the public on the topic 'Garbage-free India' by the Students of St. Joseph MHSS, Palayamkottai, Tirunelveli on 21st October, 2023, Special Cleaning Drive with NSS Volunteers of PSN College of Engineering & Technology, Melathidiyur, Tirunelveli along with DSC-T staff on 30th October 2023 were part of the event.

International Day of Yoga was celebrated at DSC-T on 21st June 2023 by organising Yoga Practice Session for Staff and General Public at 07.40 am in association with Nellai City Manavalakalai Mayam Trust, Tirunelveli. The entire event was live telecast through DSC-T Youtube platform. 42 people benefitted from this programme.



Yoga Session at DSC T during International Day of Yoga

7. Participation in programmes for Outreach

As a part of Astronight programmes, a special Night Sky Observation through Telescope was organised at various places like Tamil Nādu Armed Reserve Police Quarters Ground, Palayamkottai, Tirunelveli on 28th June 2023, V O C Ground, Palayamkottai, Tirunelveli on 30th June 2023, Sadakadulla Appa College, Rahmath Nagar, Tirunelveli on 21st July 2023, V O C College, Thoothukudi on 27th July 2023 and Anna University Regional Campus, Tirunelveli on 22nd March 2024. About 1580 people participated.

The Centre organized Experience Science through Science Centre Activities (ESSCA) through science demonstration for Govt. / Municipal / Panchayath Union Middle Schools students on the topic 'Force & Pressure', 'Magnetism', 'Water', etc., at Vannarpettai, Murugankurichi and Cheranmahadevi in July, August and November 2023. About 805 students & teachers participated.

The Centre organized a workshop on 'Sky Watch' and 'Chandrayaan 3' at Subbaiah Vidyalaya Girls Hr. Sec. School, Thoothukudi on 21st August, 2023. The Centre organized an interactive demonstration on 'Physics Can be Fun' as a part of Freshers Induction Programme 2023 at Anna University Regional Campus, Tirunelveli on 14th September 2023. About 260 students and faculties attended the programme.

The Centre organized an outdoor Science Demonstration on 'Science is Fun' on 27th July 2023 as a part of Sir C V Raman Science Club inauguration at PLWA Hr. Sec. School, Vickramasingapuram, Tirunelveli District. About 435 students & teachers participated.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

The Centre organized an Astronight, an opportunity to view celestial objects through telescope programme at Anna University Regional Campus, Tirunelveli on 22nd March 2024. An interactive lecture with multimedia presentation by Shri S M Kumar, DSO, on 'Joy of Sky Watching' was also organized for the viewers. About 195 people witnessed the celestial objects.

8. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

The Centre organized visit of Underprivileged Children (including differently-abled) in the year. They were given free entry to the Centre, organised science Shows on 'Science is Fun' and contest on 'Guess by Action'. About 662 children with care takers visited.

DSC-T celebrated our 76th Independence Day on 15th August 2022 by organizing several programmes

Open House Quiz for Students and General public on 'Science & Technology in Independent India'. 46 students participated. Special Mobile Science Exhibition on the topic 'Machines in Everyday Life' at V O C Ground, Palayamkottai. About 950 Students, teachers and General public visited the Exhibition.



Guided tour to the Galleries for the Underprivileged Children visit to DSC T



Science show during the Underprivileged Children visit to DSC T

9. Commemorative and Other special Programmes

The Centre continued to organise with several activities, workshops and programmes for students and general visitors in commemoration of Birth anniversary of Scientists, discovery and invention by them. NCSM Foundation Day 2023, World Earth Day, National Technology Day, International Museum Day, World Environment Day, World Population Day, National Engineer's Day International Day of Scientific Culture, World Space Week, International Science Centre & Science Museums Day, Children's Day, National Science Day and International Women's Day are a few to mention.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

2. (a) GENERAL INFORMATION

Details of Museum / Centre	Visvesvaraya Industrial & Technological Museum	Regional Science Centre Tirupati	Regional Science Centre & Planetarium, Calicut	District Science Centre Gulbarga	District Science Centre Tirunelveli
Head of the Museum/ Centre & Designation	Shri. K. Sajoo Bhaskaran Director	Shri. K Srinivasa Nehru Project Coordinator	Shri. M M K Balaji Project Coordinator	Shri. K.M.Sunil District Science Officer	Shri. S Muthu Kumar District Science Officer
Full Address of Museum / Centre	Kasturba Road Bangalore – 560001	Near Alipiri Gate Alipiri - Chittoor By-pass Road Tirupati – 517507	Jaffer Khan Colony Calicut - 673006	Municipal Garden Kalaburagi – 585103	Kokkirakulam Tirunelveli – 627 009
STD Code	080	0877	0495	08472	0462
Phone Nos.	22864114	2286202	2770571	220608	2500256
Tele-fax	080-22864114 080-22864009	0877-2286202	0495 2770571	08472-220608	0462-2500256
E-mail	vitmuseum@gmail.com	rsctirupati@gmail.com	planetariumcalicut@gmail.com	scienceglb@gmail.com	sciencecentrenellai@gmail.com
Website	www.vismuseum.gov.in	www.rsctirupati.org.in	www.rscpcalicut.edu.in	www.sciencecentrekalaburagi.org.in	www.dsctirunelveli.org.in
Working Hours	9.30 AM - 6.00 PM	9.30 AM - 6.00 PM (10.00 AM - 6.30 PM on Sundays)	9.30 AM - 6.30 PM	9.30 AM - 6.00 PM	10.00 A.M - 06.30 PM
Closed on	Ganesh Chaturthi & Deepavali	Shiva Rathri & Deepavali	Onam & Deepavali	Ganesh Chaturthi & Deepavali	Pongal & Deepavali
Admission Fee	<ul style="list-style-type: none"> ▪ Rs. 85/- per head for general public ▪ Rs.30/- for students in organised groups 	<ul style="list-style-type: none"> ▪ Rs.35/- per head for general public ▪ Rs.20/- for Pvt. Institution students in Groups ▪ Rs.5/- for BPL & for Govt. Institution students in groups 	<ul style="list-style-type: none"> ▪ Rs.30/- per head for general public ▪ Rs.20/- for Pvt. Institution students in groups 	<ul style="list-style-type: none"> ▪ Rs.20/- per head for general public ▪ Rs.15/- for Pvt. Institution students in groups ▪ Rs.5/- for BPL-Govt. Institution students in groups 	<ul style="list-style-type: none"> ▪ Rs.25/- per head for general public ▪ Rs.15/- for Pvt. Institution students in groups ▪ Rs.5/- for Govt. Institution students in groups
Inaugurated on	27 th July 1965	23 rd Sept.1993	30 th January 1997	6 th January 1984	27 th February 1987
Total floor area in Sq. Mts.	11,700	4,843	2,600	2,080	2,660
Staff Strength					
Scientific	06	2	01	00	00
Technical	48	11	11	05	7
Non Technical	27	07	07	04	3

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

2. (b) EXPENDITURE:

Expenditure (Rs. In Lakhs)	VITM, Bangalore	RSC, Tirupati	RSC P Calicut	DSC, Gulbarga	DSC, Tirunelveli	Total
Revenue Receipt	808.49	54.61	158.09	34.60	45.81	1101.60
Recurring	1486.74	239.42	257.50	82.62	85.10	2151.38
Non General Recurring						
General	466.82	97.10	161.49	83.22	98.31	906.94
CCA	80.51	42.86	66.63	24.35	29.65	244.00
Total Non- Recurring	547.33	139.96	228.12	107.57	127.96	1150.94

2(C) VISITORS TO MUSEUM/CENTRE:

Name of Museum/Centre	VITM, Bangalore	RSC, Tirupati	RSC P Calicut	DSC, Gulbarga	DSC, Tirunelveli
No. of School groups	2,526	462	1,549	1,192	445
No of Students in above	2,07,584	42,342	96,743	75,120	28,560
No. of Visitors to Special Programme	10,365	14,074	17,011	10,014	7,479
No of General Visitors	6,28,204	95,799	2,04,451	81,117	1,28,471
No. of Free entry (Activity Club members, defense, handicapped etc)	60,728	2,670	0	6,433	24,610
Total Visitors to Museum/Centre	9,06,881	1,54,885	3,18,205	1,72,684	1,89,120
Visitors to MSE including film shows	1,06,958	1,14,207	1,15,702	63,921	28,252
Visitors to Outreach Programmes	83,404	5,790	8,040	6,286	4,278
Total No of visitors to Museum / Centre & outreach Programme	10,97,243	2,74,882	4,41,947	2,42,891	2,21,650

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

3. EXISTING GALLERIES:

Name of the Museum/ Centre	Name of the gallery	Floor area in Sq. Mts.	Date of Inauguration	Date of major Renovation	Number of Exhibits
VITM, Bangalore	How Things Work	350	28.07.2014	28.07.2014	37
	Engine Hall	620	02.06.1994	27.07.2015	57
	Electrotechnic	800	08.04.2010	27.07.2015	79
	Fun Science	700	23.05.2008	-	53
	Biotechnological Revolution	554	04.01.2003	15.02.2021	41
	Space Technology	700	19.06.1999	28.11.2017	58
	BEL Hall of Electronics	554	29.06.2004	28.12.2023	35
	Science for Kids	263	30.04.2007	19.04.2019	27
RSC, Tirupati	Non Conventional Sources of Energy	370	18.11.2019	-	40
	Our Senses	370	15.10.2005	-	42
	Illusion	370	17.12.2006	-	45
	Emerging Technology	370	18.08.2007	-	59
	Popular Science	370	07.09.2009	-	44
	Our Universe	370	04.02.2012	-	53
	Space Exposition Hall	381	21.05.2017	-	14
RSC P Calicut	Fun Science	80	05.05.2011	-	23
	Life Science	78.14	17.04.2010	-	12
	Mirror Magic	165	18.02.2008	-	29
	Hall of Astronomy	410	07.03.2010	-	35
	Hall of Ocean	549	05.05.2018	-	56
	Planetarium	499.44	30.01.1997	30.12.2015	-
DSC Gulbarga	Fun Science	102	06.01.2004	-	34
	Electronics	806	10.10.2005	-	44
	Popular Science	102	09.04.2012	-	24
	Mathematics	102	17.01.2015	-	33
	Mirror Maze	85	09.04.2012	-	01
DSC, Tirunelveli	Fun Science	120	16.01.2008	14.11.2018	23
	Electronic Gallery	430	17.04.2009	-	49
	Popular Science	150	28.02.1987	-	13
	Mirror Magic	130	22.12.2012	-	26

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

4. NEW GALLERIES / MAJOR RENOVATIONS:

DSC G : Setting up of New Gallery on 'Human Biology' in under progress

DSC T : Setting up of a gallery on 'Space Technology' under progress

5. MOBILE SCIENCE EXHIBITION UNITS IN THE MUSEUM/CENTRE:

SI No	Title of the unit	Name of the Museum/Centre that developed the unit	No of Exhibits	Year in which developed	Date of major Renovation
1.	Our Environment (at DSC, Tirunelveli)	RSC, Tirupati	20	2016	--
2.	Machines in Everyday Life (at DSC, Tirunelveli)	DSC, Tirunelveli	20	2019	--
3.	Man and Space (at DSC Gulbarga)	VITM, Bangalore	24	1994	--
4.	Water and Chemistry in our life (at DSC Gulbarga)	(at DSC Gulbarga)	20	2019	--
5.	Environment (at DSC, Tirunelveli)	RSC, Tirupati	24	2002	--
6	Biodiversity (at VITM Bangalore)	VITM, Bangalore	24	2007	--
7	Space Technology for Human Welfare (at VITM Bangalore)	VITM, Bangalore	20	2019	--
8	Electricity & Magnetism (at VITM Bangalore)	VITM, Bangalore	20	2017	--
9	Our Senses (at RSC T)	RSC, Tirupati	22	2014	-
10	Space Technology for Human Welfare (RSC Tirupati)	VITM, Bangalore	20	2019	--
11	Exhilarating Math (at RSC P Calicut)	RSC P Calicut	20	2023	--
12	Popular Science (at DSC Tirunelveli)	VITM, Bangalore	20	2002	--
13	Space Technology for Human Welfare (at RSC Calicut)	VITM, Bangalore	20	2019	--
14	How Science Works for RSC Tirupati	RSC, Tirupati	20	2021	--

6. NEW TEMPORARY EXHIBITIONS (IN HOUSE DEVELOPMENT):

VITM:

1. Nobel Prizes 2023
2. Mainstreaming Millets
3. Aditya L-1
4. Waste to Art

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

7. SCIENCE PARK: List of exhibits at Annexure – 1

Name of the Museum/Centre	Area of the Science Park in Hectares or Acres	No of Exhibits	Date of Inauguration of Park	No of exhibits added during the year, if any
VITM,	Science Park - 800 Sq. Mtrs.	8	--	--
RSC P Calicut	Science Park -3 acres	48	30.01.1997	
RSC, Tirupati	Science Park – I 4.5 Acres	62	23.9.1993	3
	Traditional Herb Garden	-	23.9.1995	-
	Pre historic Life Park - 2.5 acres	34	28.5.2003	-
	Science Park Phase – II – 2.5 acres	16	04.2.2012	-
DSC, Gulbarga	Science Park -2.34 Acres	48	2.03.1995	-
	Prehistoric Animal Park - 0.03 acre	7	9.04.2012	-
DSC, Tirunelveli	Science Park &	66	27.02.1987	-
	Pre historic Life Park –Total 5.69 Acre	11	27.02.2012	-

8. EXHIBIT DEVELOPMENT:

Name of the Museum/Centre	VITM	RSC T	RSC P C	DSC G	DSC T
No. of Gallery Exhibits	76	6	2	--	-
No. of Park Exhibits	10	2	1	--	-
No. of Exhibits for Temporary Exhibition	45	1		--	-
No. of Exhibits for Mobile Science Exhibition	10		3	--	-
No. of Kits developed (for New Science Shows) *Table top exhibits	1	24	3	--	-
No. of Duplicate Kits (in-house)	--	9		--	15
No. of Duplicate Exhibits (in-house)	--	--	--	--	677
No. of Duplicate exhibits (outside agencies)	--	--	--	--	-
No. of Duplicate Kits(outside agencies)	--	--	--	--	-
No. of Exhibits Renovated- category (gallery/MSE/Temp Exhibition)	--	8 (G) 19 (P)	--	2	-
No. of Kits Renovated (mention category - gallery/MSE/Temp. Exhibition)	--	--	--	--	-
Total	142	69	9	2	692

Note: List of exhibits and kits developed during the year is enclosed in the Annexure – 2

9. COLLECTION OF ARTEFACTS: ----

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

10. PLANNING:

VITM:

- Modernization of Hall of Electronics Phase-II
- Fabrication of exhibits for Fun science gallery - 6 Exhibits Incl of 3 D Theatre
- New Gallery enclave on the theme 'Restoration of Ecosystem' at Link Block terrace
- Setting up of Innovation Hub at RSC, Warangal (Fund from SPoCS)

RSC T

- Completion of Biomimicry Phase I
- Fabrication of new Science Park exhibits (3 nos)

RSC P C

- Modernisation of Astronomy gallery (Planning & Fabrication of exhibits (Phase-1) (approval may be taken from LAC & EC for scrapping the exhibits)
- Fabrication of New Science Park Exhibits 10 Exhibits

DSC G :

- Planning & Fabrication of new gallery on Space (Phase I)- 20 exhibits
- Completion of Setting up of Human Biology Gallery
- Fabrication of Science Park Exhibits

DSC T

- Completion of Space Gallery exhibits fabrication.
- Modernisation of Electronics Gallery (Phase -1) 6 exhibits.
- Fabrication of Science Park Exhibits (2 Nos)

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

11. MOBILE SCIENCE EXHIBITION (MSE) PROGRAMME:

The Mobile Science Exhibition buses of VITM, Bangalore RSC Tirupati, DSC Gulbarga and DSC Tirunelveli toured rural districts of Karnataka, Andhra Pradesh, Telangana and Tamil Nadu during the year. The statistics of the MSE programmes held by various centres are furnished below:

MSE Data for Aspirational District.

Name of the Museum/ Centre	Name of the Vehicle/Unit	Theme of Exhibits	No. of Exhibition Days	Kms. travelled	No. of Exhibition Sites	No. of Visitors
VITM Bangalore	Rajaramanna	Space Technology for Human Welfare.	32	3,068	15	60,092
RSC Tirupati	Acharya Nagarjuna	Space Technology: For Human Welfare	2	8	1	2,600
RSC P Calicut	Vianu Bappu	Space Technology for Human Welfare	51	997	28	89,711
DSC Gulbarga	U.R Rao	Water and Chemistry in our life	150	4,407	122	40,093
DSC Tirunelveli	C V Raman	Machines in Everyday Life	03	--	02	2,685

Name of the Museum/ Centre	Name of the Vehicle/Unit	Theme of Exhibits	No. of Exhibition Days	Kms. travelled	No. of Exhibition Sites	No. of Visitors
VITM Bangalore	Cauvery	Electricity & Magnetism	131	3,261	72	32,821
RSC Tirupati	Sapthagiri	How Science Works?	187	10109	140	1,00,896
RSC P Calicut	Periyar	Exhilarating Maths	25	542	8	25,991
DSC Gulbarga	Bheema	Man and Space	---	---	---	---
DSC Tirunelveli	Thamirabarani	Popular Science	63	1,156	37	25,567

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



MSE organised by VITM at GGJC, Mattikere, Bangalore



& at Kolar



MSE organised at St. Therasus HSS Kannur by RSCP C,



Mobile Science Exhibition on 'Gene Health Connect' organised at Shloka School, Hyderabad, Telangana by RSC T State.



MSE at Govt High School, Indi taluk, Vijayapura District by DSC G



MSE organised by DSC T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12. SCIENCE EDUCATION:

(a) SDL AND SCIENCE SHOWS:

Science Demonstration Lectures (SDL) and Science Shows were conducted on different topics in VITM & its Satellite Centres as listed below.

Name of the Museum/ Centre	Name of the SDL/Science Shows Units	No of lectures held in Museum/ Centre	No of students attended the lecture	No of lectures held outside museum	No of students attended the lecture
VITM	Science is Fun	767	33,923	--	--
	Chemical Reactions / Colour Chemistry	4	325	--	--
	Force & Pressure	--	--	--	--
	Magnetic effects on electric current	2	280	--	--
	Liquid Nitrogen	--	--	--	--
	Science V/s Miracle	--	--	--	--
RSC T	Acid, Bases & Salts	-	-	-	-
	Liquid Nitrogen shows	110	10,164	2	604
	Electricity & Magnetism	-	-	-	-
	Bio Science	-	-	-	-
	Anti Superstition Show	28	3,850		
	Quarks Show	13	1,350		
RSC P Calicut	Liquid Nitrogen show	30	4,510	10	1,200
	Science Magic Show	20	3,450	3	950
	Magnetism	3	140		
	Properties of fluids	2	120		
	Chemistry in daily life	4	370		
DSC G	Electricity & Magnetism	8	325	-	-
	Science is fun	55	1,730	3	185
	Anti superstition shows	-	-	-	-
	Liquid Nitrogen show	84	2,369	5	650
DSC T	Anti Superstition Shows	30	2,655	-	-
	Electricity & Its Effects	14	1,210	-	-
	Cryogenics (Liquid Nitrogen)	28	1,860	-	-
	Science is Fun	42	759	-	-

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Name of the Museum/ Centre	Name of the SDL/Science Shows Units	No of lectures held in Museum/ Centre	No of students attended the lecture	No of lectures held outside museum	No of students attended the lecture
	Sound	-	-	02	258
	Light	-	-	-	-
	Air	-	-	03	195
	Heat	-	-	03	351



SDL on Electricity & Magnetism at VITM



Science Show on Science is Fun at VITM



SDL at Nadakkavu Girls HSS, Kozhikode organised by RSCP C



Science Demonstration Lecture on 'Quarks Show' organised RSC T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



SDL on 'Super Cool Liquid at DSC G.

12 (b) NATURE STUDY CAMPS:

Name of the Museum/Centre	Venue of the Camp	Duration of Camp (Date)	No of students	No of teachers
RSCP Calicut	RSCPC	1 day,05-06-2023	130	5



Bird Watching organised by RSC, T



Nature Camp organised by RSC, T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12 (c) ENVIRONMENT AWARENESS PROGRAMME:

Museum / Centre	Venue of the Camp	Duration of Camp (Days & Date)	No of students	No of teachers
RSCP C	RSCP C	1 day,05-06-2023	130	5
DSCG	DSCG	1 day, 22-04-2023	112	8
DSCG	DSCG	1 day, 05-06-2023	45	2



Planting tree saplings on Environment Day at RSCP C



Planting tree saplings on Environment Day at RSCP C

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12 (d) SCIENCE ON A SPHERE:

A large visualisation system that uses multimedia projections to display animated data on to the exterior of a sphere converting it into an immersive animated globe that shows dynamic, animated images of the atmosphere, oceans and land area of a planet. Combined with narrations and supporting material, it is an innovative and powerful teaching tool to enhance informal education on earth, climate change etc. and transform the public perception to effectively implement conservation measures of the earth.

Due to Covid – 19 pandemic the shows were organised as per SOP

Name of the Centre	No of shows	Total No of visitors
VITM	787	29,377



12 (e) WRIGHT BROTHERS' FLYER SIMULATOR :

As value addition to the existing 1903 Wright Brothers' Flyer, the museum added a simulator which is first of its kind in the country. The simulator allows visitors to fly the aero plane simulating the ambience of Kitty Hawk, North Carolina where Wright Brothers' flew their Air plane in 1903. The controls in the flyer are positioned similar to that of the original Wright Brothers' flyer.

Also on display is the original wood of 'Red Spruce' which was used to built Wright Brothers' Flyer in 1913.

Name of the Centre	Total No of visitors
VITM	14,840



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12 (f) FILM SHOWS (VIDEO SHOWS):

Name of the satellite Unit/Centre	No of film shows	Total No of visitors
VITM, Bangalore	9	1,169
RSC, Tirupati	4	1,530
RSC P Calicut	4	370
DSC, Gulbarga	2,117	8,702
DSC, Tirunelveli	--	--

12 (g) 3D SHOWS:

Name of the satellite Unit/Centre	No of 3Dshows	Total No of visitors
VITM, Bangalore	4,566	1,60,712
RSC, Tirupati	1,418	41,698
RSC P Calicut	2,427	1,98,520
DSC, Gulbarga	1,308	33,142
DSC, Tirunelveli	894	29,718

12 (h) POPULAR SCIENCE LECTURES:

(Includes Online – Webinars)

Venue	No. of Lectures	No of audience
VITM, Bangalore	12	2,928
RSC, Tirupati	9	1,700
RSC P Calicut	9	840
DSC, Gulbarga	13	1,611
DSC, Tirunelveli	10	871

For details please refer Annexure – 3

12 (i) TARAMANDAL SHOWS:

Taramandal, an exciting portable mini planetarium has an inflatable dome with simple projection equipment. Number of Taramandal programmes conducted in VITM & its satellite units is listed below.

Due to Covid – 19 pandemic the Taramandal shows could not be held in VITM

Name of the Museum/Centre	No of shows held	No of audience
VITM, Bangalore	--	--
RSC, Tirupati *	135	4,043
RSC P Calicut*	1,689	2,24,516
DSC, Gulbarga *	1,229	36,526
DSC, Tirunelveli *	307	11,104

* Digital Planetarium

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12 (j) SCIENCE QUIZ:

Name of the Museum	No of Quiz Contest held	No of participants	No of Audience
VITM, Bangalore	40	3,737	4,315
RSC, Tirupati	23	1,785	3,150
RSC P Calicut	13	649	55
DSC, Gulbarga	26	1,745	2,205
DSC, Tirunelveli	20	448	860

12 (k) SKY OBSERVATION PROGRAMMES:

Name of Museum	No of Programmes held	No of participants
VITM, Bangalore	10	775
RSC, Tirupati	25	1,785
RSC P Calicut	56	6,014
DSC, Gulbarga	68	1,039
DSC, Tirunelveli	30	2,345



Sky Observation as part of Astronight at Govt. Museum by VITM



Sky Observation as part of Astro Night Sky Tourism organised by the RSC, Tirupati at Chandragiri Fort, Archaeological Survey of India, Amaravathi Circle.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

12 (I) VIDEO PROGRAMMES OR COMPUTER SOFTWARE/MULTIMEDIA PROGRAMMES DEVELOPED

VITM, Bangalore	
1	“Scarce Resource for all” software for SRSC Rajahmundry Water gallery
2	“The dry run” software for SRSC Rajahmundry Water gallery
3	“On the trial of Godavari (VR)”software for SRSC Rajahmundry Water gallery
4	“Invisible pathogens ” software for SRSC Rajahmundry Water gallery
5	“Water stories” software for SRSC Rajahmundry Water gallery
6	“Taming Godavari” software for SRSC Rajahmundry Water gallery
7	“All Foods cooked in Plants” software for SRSC Rajahmundry Water gallery
8	“Eating water Drinking Food “software for SRSC Rajahmundry Water gallery
9	“Whatever you call it” software for SRSC Rajahmundry
10	“Nation Share” software for SRSC Rajahmundry
11	“Quizzical” software for SRSC Rajahmundry
12	“Genetic Disorder” software for the MSE on Genetics Bus exhibition.
13	“Success Stories” software for the MSE on Genetics Bus exhibition.
14	“Interactive Video Wall” software for the New BEL hall of Electronics gallery.
15	“Transistor AR” software/Augmented reality based Android App for the New BEL hall of Electronics gallery.
16	“Li-fi Technology” software for the New BEL hall of Electronics gallery.
17	“Wearable Healthcare” software for the New BEL hall of Electronics gallery.
18	“Virtual reality” software for the New BEL hall of Electronics gallery.
19	“Virtual Dress” software for the New BEL hall of Electronics gallery.
20	“Deep into the chip” software for the New BEL hall of Electronics gallery
21	“Semiconductor” software for the New BEL hall of Electronics gallery
22	“Secure Communication” software for the New BEL hall of Electronics gallery
23	“Modulation” software for the New BEL hall of Electronics gallery
24	“AI” software for the New BEL hall of Electronics gallery

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

25	"Milestones in Electronics" software for the New BEL hall of Electronics gallery
26	"Trailblazing women in science" software for international women's day
27	"Autonomous Vehicle – Self driving car" software for the New BEL hall of Electronics gallery
28	"Water in life" software for SRSC Rajahmundry
29	"Life in water" software for SRSC Rajahmundry
30	"Treatment of Genetic Disorder" developed video for the MSE on Genetics Bus exhibition.
31	"Dominant Vs Recessive traits" developed video for the MSE on Genetics Bus exhibition.
32	"Genetics of Marriage among relatives" developed video for the MSE on Genetics Bus exhibition.
33	"5G" videos for New BEL hall of Electronics gallery
34	"Introductory to BEL Gallery" created video for New BEL hall of Electronics gallery
35	"Autonomous Vehicle" created video for New BEL hall of Electronics gallery

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

13. CREATIVE ABILITY:

(a) SCIENCE FAIR/CAMP:

Science fairs provide an opportunity for students & teachers to think creatively and develop working models on various scientific topics. Students present individual exhibits as well as group exhibits. Teachers are encouraged to present teaching aids/models developed by them in the fair. District level and State level Science fairs are coordinated by the State Education departments.

Museum / Centre	Venue of the fair/ Camp & Date	District / Zonal / State	No of Schools participated	No of Students/ Participants	No of science clubs participated	No of projects	No of visitors
VITM	The Southern India Science Fair (SISF- 2024) at Murali Convention Centre, Vijayawada from 28 th Jan 2024 to 1 st Feb 2024	Zonal	75	182	--	185	15,000
	Engineering Fair for ITI and Polytechnic students 12 th - 14 th march 2024	Zonal	18	116	--	63	2,350
DSC G	District Level Science Fair DSC G20 th Nov2023	District	40	72		40	178



Southern India Science Fair – Inauguration Exhibition – participants interacting with visitors



Engineering Fair participants interacting with visitors

Valediction

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



District Level Science Fair at DSC G.



Science Fair on 'STEM Education' organised at the RSC, Tirupati during Children's Science Festival in collaboration with Tirupati Balotsavam

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

13 (b) SCIENCE SEMINAR:

Science Seminar provides an opportunity to the young students to debate on the topic of current issues, to inculcate in them a spirit of scientific inquiry and analytical thinking. It forms a common platform to the budding scientists from all over the country for exchanging their ideas and to nurture a feeling of national integration. The Science Seminars are organised at Block level, District level and State level in the country by the Education Department of the respective states. National level events are held at the National level units of NCSM. The topic of the seminar for 2023-24 was **Millets – a Super food or a diet fad**”

Museum/ Centre	Venue & Date	District/ Zonal/ State Level	No of students	No of Participating Schools	No of Audience
VITM	Pondicherry State level Science Seminar , at Vivekananda Govt. Hr. Sec School, Puducherry 11 th September 2023	State Level	12	12	50
	Telangana State level Science Seminar at SCERT, Hyderabad 19 th September 2023	State Level	29	29	65
	Andhra Pradesh State level Science Seminar at SCERT Hall in Vijayawada 25 th September 2023	State Level	26	26	76
	Kerala State level Science Seminar at Cochin University of Science & Technology, Ernakulum, Kerala 26 th September 2023	State Level	28	28	81
	Karnataka State level Science Seminar at DIET, Chitradurga, and Karnataka 26 th September 2023	State Level	35	35	35
DSC G	Dist Lvl Sci Smr DSC G 20 th November 2023	District	17	8	138



Pondicherry State level Science Seminar



District level Science Seminar organised at DSC G

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

13 (c) CREATIVE ABILITY CENTRE (CAC):

Due to Covid – 19 pandemic, the CAC was held online.

Name of the Museum/Centre	VITM	RSC-T	RSC P-C	DSC-G	DSC-T
No. of Projects completed in Museum's CAC	--		8		-
No. of Creative Ability Centres	--		6		-
No. of Students involved in above	--		105		-
No. of Vacation CAC in museum	4	2	6	5	04
No. of Students involved in above	83	320	132	161	120
No. of Projects completed in above	216	120	8	794	16

List of projects completed is enclosed in Annexure - 4

13 (d) VACATION HOBBY CENTRE/CAMP:

Name of Museum/Centre	Venue of programme	Duration	Subjects	No of Participants
VITM	VITM	17 th to 21 st April 2023	Chemistry	21
		17 th to 21 st April 2023	Electronics	19
		1 st to 5 th May 2023	Physics	23
		1 st to 5 th May 2023	Arduino	20
RSC T	RSC T	1 st to 06 th May 2023	Physics	30
		5 th to 10 th June 2023		17
		1 st to 06 th May 2023	Chemistry	30
		5 th to 10 th June 2023		20
		8 th to 13 th May 2023	Bioscience	30
		29 th May to 3 rd June 2023		16
		8 th to 13 th May 2023	Electronics	28
		29 th May to 3 rd June 2023		25
15 th to 20 th May 2023	Robotics	32		

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

		22 nd to 27 th May 2023		18
		15 th to 21 st May 2023	Astronomy	24
		22 nd to 27 th May 2023		26
		09 th to 15 th January 2024	Bioscience Cellular Symphony	30
RSCPC	RSCPC	17 th to 22 nd April 2023	The Joy of Learning Science	26
		24 th to 29 th April 2023	"The Art of Physics"	25
		1 st to 6 th May 2023	STEM projects	13
		1 st to 6 th May 2023	Vijnana Kauthukam"	30
		8 th to 13 th May 2023	"Electronics"	18
		8 th to 13 th May 2023	"Chemistry"	20
DSC G	DSC G	10 th to 15 th April 2023 & 24 th to 29 th May 2023	Physics	56
		10 th to 15 th April 2023	Chemistry	27
		10 th to 15 th April 2023 & 24 th to 29 th May 2023	Biology	48
DSC T	DSC T	1 st to 6 th May 2023	Electronics	27
		8 th to 13 th May 2023	STEM	29
		8 th to 13 th May 2023	Bio Science	30
		8 th to 13 th May 2023	Astronomy	34

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Vacation Hobby Centre in Chemistry at VITM



Vacation Hobby Centre in Electronics at VITM



Vacation Hobby Centre in Physics at VITM



Vacation Hobby Centre in Robotics at RSC T



Vacation Hobby Centre in Chemistry at RSC T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Electronics Creativity Workshop at RSCP C



Vijnana Kauthukam Creativity Workshop at RSCP C



Integrated Science Camp in Chemistry at DSC G



Integrated Science Camp in Biology at DSC G



Vacation Hobby Centre in STEM at DSC T



& Vacation Hobby Centre in Bioscience at DSC T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

13 (e) SIT & DRAW / ESSAY WRITING:

Name of the Museum/ Centre	Venue	Date	Occasion	No. of Participants	Subject
Sit & Draw Contest	VITM	03-06-2021	World environment day	40	Solutions to Plastic Pollution
		21-06-2023	International Day of Yoga	44	Yoga Postures
		24-02-2024	National Science Week	8	'Achievements of Indian Scientists'
Sit & Draw Contest	RSCP C	05-06-2023	World Environment Day	60	Beat plastic pollution
		22-04-2024	World Earth Day	30	Earth our Mother Planet
Sit & Draw Contest	RSC T	30-04-2023	Swachhata Pakhwada	110	Waste Management
		04-06-2023	World Environment Day	230	Solution To Plastic Pollution
		23-07-2023	Space Week	680	Journey Of Chandrayaan
		12-08-2023 & 13-08-2023	Independence Day	1165	'India: Vision 2023'
		09-12-2023	World Soil Day	520	'Soil & Water: A Source Of Life'
Essay Writing Contest	RSC T	09-12-2023	World Soil Day	210	'Soil & Water: A Source Of Life'
Sit & Draw Contest	DSC G	04.06.2023	World Environment Day	374	Eco-friendly Lifestyle", "Effect of Plastic pollution" and "Beat Plastic pollution
		16.09.2023	World Ozone Day	228	Causes & effects of Ozone layer depletion'
		01.10.2023	Swachhata hi seva campaign 3.0	141	Harmful effects of plastic pollution'
		13.12.2023	National Energy conservation day	82	Save Fuel-Save Earth-Save Future
Essay Writing Contest	DSC G	08.10.2023	Swachhata hi seva campaign 3.0	18	Beat plastic pollution&You have the solution'
		02.11.2023	Vigilance awareness week	41	Say no to corruption; commit to the Nation
Sit & Draw Contest	DSC-T	20-05-2023	International Museum Day	52	Colouring the 'Museum Picture'
		05-06-2023	World Environment Day	42	Graffiti art on 'Restore our Environment & Species of Thamirabharani '

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

		25-06-2023	Child Labour Eradication Awareness Programme	82	'Social Justice for All. - End Child Labour'
		06-10-2023	World Space Week	547	A Voyage to Space & Life on Mars
		02-12-2023	Mullai Festival	268	Mullai Land Life Style
		28-02-2024	National Science Day	93	Science for Sustainable future
Essay Writing Contest	DSC-T	02-11-2023	Vigilance Awareness Week	07	Say No to Corruption; Commit to the Nation



Drawing Contest on Postures of Yoga during International Day of Yoga at VITM



Painting the Globe contest on Earth Day at RSCP C



Drawing Contest during the observation of World Soil day at RSC T.



Drawing Contest during the observation of National Energy conservation day at DSC G.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

13. TRAINING:

(a) **TEACHER'S TRAINING PROGRAMME (TTP) :**

Teachers Training programme provides an opportunity and an exposure to school teachers to effectively use easily available tools & materials for developing low cost teaching aids for supplementing class room teaching.

Sl. No.	Venue of the Programme	Period of the Programme Date From & to	No. of Teachers trained	No. of teaching aids Developed
1	RSC Tirupati	16-12-2023	35	18
2	RSC P Calicut	20 to 22-02-2024	30	5
3	DSC Gulbarga	08-02-2024	35	12
	DSC Tirunelveli	18 & 19 -08- 2023 27 & 28 -10- 2023	76	15

(b) **COMPUTER TRAINING PROGRAMME:**

Name of the Museum/ Centre	No of Programmes	Duration	No. of participants	Subject
VITM	1	1 st to 5 th May 2023	20	Arduino
RSC Tirupati	--	--	--	--
RSC P Calicut	--	--	--	--
DSC-T	--	--	--	--



Teachers training programme RSCP C



Teacher Training Programme at RSC T



Teachers training programme at DSC G

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

15. COMMUNITY PROGRAMMES:

(a) SCIENCE DRAMA / PUPPETRY / OTHER FORMS OF PERFORMING ART:

Name of Museum	Venue of the programme	Description of media	No. of staff involved	No. of programmes	No. of participants	No. of audience
VITM	VITM	Southern India Science Drama Festival 23 rd & 24 th November 2023	65	1	96	440
VITM	RSCT	Flash Mob on Swachh Bharat Abhiyan	--	1	25	180
		Science Drama Contest on theme 'Science For Better Society / Life & Works of Any Indian Scientist'	--	15 Dramas	150	300
		Patriotic Songs and Classical Dance during Independence Day Celebration	--	12	35	315
		Tiranga Magic Show was organized during Independence Day Celebration	--	1	2	315
		Ventriloquism Show during World Soil Day	--	1	1	300
DSCG	DSC G	Dist. Level Science Drama	3	8	174	141



Students performing the Drama during District level Science Drama on 'Science and Technology for the benefits of mankind' at DSC G



Flash Mob on Swachha Bharat Abhiyan at RSC, T during Swachhata Pakhwada

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

(b) OTHER COMMUNITY PROGRAMMES (Training programmes organised in VITM/ RSC / DSC for different categories of people):

Name of the Centre	Sl. No	Nature of Programme	Venue	Duration	No. of Participants/ audience
VITM	1	Astronight programme, a special Night sky observation	Opp to Vidhana Soudha, Bangalore	23-05-2023	150
	2	HEART for EARTH Festival A Tree of Life	VITM	27-07-2023	100
	3	Swatchhata Drive Programme ('Shramdan')	VIMSA (Staff Quarters of the museum), Bangalore	01-10-2023	40
	4	Swatchta Hi Seva Campaign 3.0 cleanliness drive at Staff quarters	--do--	10-10-2023	100
	5	Internal Complaints Committee Program, a workshop titled "Happy Mutual Existence at Workplace"	VITM	19-03- 2024	35
RSC T	1	A Workshop on Know Your Ecosystem (Students & Teachers)	RSCT	10-06-2023 1 Day	50
	2	A Workshop on Moon Rover Model Making (Students)	RSCT	22-07-2023 23-08-2023 2 Days	180
	3	A Workshop on Astronomical Telescope Making (Govt. School Students & Teachers)	RSCT	15-10-2023 1 Day	80
	4	A Workshop on Bio-enzymes Making from Orange Peel (Girls & Home makers)	RSCT	04-02-2024 1 Day	60
	5	A Workshop on Creative Science Learning & Teaching (Students & Teachers)	Rajahmundry	27-01-2024 1 Day	150
	6	A Workshop on 3D printing (Engineering Students)	SVU Engineering College	17-03-2024 1 Day	150
	7	A Workshop on Nature Art on Sparrow (Students)	SV Zoological Park	20-03-2024 1 Day	50
RSC P C	1	Happiness Painting Camp for Differently abled children	RSCPC	28.01.2024	35
	2	Cultural Exchange programme for Tribals "Nagamu Airamu"	RSCPC	23.02.2024	225

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	3	Get-together of Blood disorder patients	RSCPC	28-05- 2023	95
DSC G	1	Demonstration on “Effective ways to save LPG gas at home”	DSCG	14-12-2023	118
	2	Demonstration on ‘Food Adulteration & Its impact on our Health	DSCG	08-03-2024	137
	3	Demonstration on ‘Water Quality check’.	DSCG	22-03-2024	161



Special Sky Observation as part of Astronight Programme by VITM



Swachhata Drive Program (‘Shramdan’) at VITM



Swachhata Drive Program (‘Shramdan’) at VITM

Workshop on Moon Rover Model Making at RSC, Tirupati during Space Week for the students.



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Happiness painting camp for differently abled children at RSCPC



Cultural Exchange programme "Nagamu Airamu" for tribal group at RSCP C



Demonstration on 'Water Quality check' during the observation of World Water Day at DSCG



Demonstration on 'Food Adulteration & Its impact on our Health' during the celebration of International Women's Day at DSCG

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

16. COMMEMORATIVE EVENTS:

Events like World Earth Day, World Environment Day, National Science Day and World Science Day and National Technology Day were held with science related activities

Name of the Museum/Centre	No. of programmes
VITM, Bangalore	23
RSC, Tirupati	15
RSC P Calicut	16
DSC, Gulbarga	27
DSC, Tirunelveli	26

For details please refer Annexure – 5

17. TEMPORARY EXHIBITIONS:

Museum/ Centre	Title of Exhibition	Duration	No. of visitors	Borrowed from	No. of visuals	No. of working/ Animated Exhibits
VITM	Heart for Earth	27-07-2023	1,400	--		1
	Panel Exhibition on Aditya L-1	2-15/9- 2023	22,600	---	6	--
	'Waste to Art	27-29/10 - 2023	8,100	---	5	--
	Main streaming Millets	30-11- 2023 to 31-01- 2024	1,27,670	---	13	3
	'Nobel Prizes – 2023'	11-12- 2023 to 31-03- 2024	1,66,200	---	3	--
RSC T	'Solution to Plastic Pollution'	05To30-06-2023	9,800	-	17	
	Aditya L1 Mission	02-09-2023 To 31-03-2024	72,150	VITM	7	
	Waste to Art Exhibition	28-10-2023 To 31-03-2024	63,100	-	3	
DSC T	My Own Artefacts Collection	18 – 21 May 2023	3,210	-	-	-
	ADITYA L1	02 September – 15 December 2023	12,450	VITM	05	-
DSC G	India's first solar mission – Aditya L1	02 to 10-09-2023 to	1,311	VITM	14	-

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Exhibition on Heart for Earth organised during 57th Anniversary of the VITM



Exhibition on Waste to Art organised at VITM



Exhibition on Nobel Prizes 2023 at VITM



Exhibition on Aditya L-1 2023 at VITM



Panel Exhibition on the theme 'Solution to Plastic Pollution' at RSC, T during World Environment Day.

Panel Exhibition on Aditya L1 Mission at RSC T



ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

18. COLLABORATIVE PROGRAMMES (WITH OUTSIDE ORGANISATIONS):

Networking with likeminded institutions is an ongoing activity of NCSM. The details of such Collaborative Programmes held are listed below.

Details are given in Annexure – 6

Name of the Museum/Centre	No. of programmes
VITM, Bangalore	15
RSC, Tirupati	19
RSC P Calicut	5
DSC, Gulbarga	9
DSC, Tirunelveli	12

19. LIBRARY & INFORMATICS:

Name of the Museum/Centre	Item	Total holding as on 01-04-2023	No. Acquired during the year 2023-2024	No. Written off during the Year 2023-2024	Net holding as on 31-03-2024
VITM	Books	11,157	47	--	11,204
	Journals **	--	03	--	3
	Film 16mm	242	---	242	0
	Video Tapes/	500	---	06	494
	CD/DVD ROMS	405	---	---	405
	Slides	1,765	---	---	1,765
	Maps & Charts	151	---	---	151
RSC T	Books	396	---	---	396
	Journals**	3	---	---	3
	News Letters	-	---	---	-
	Maps	2	---	---	2
	Charts	2	---	---	2
RSC P C	Books	1,902	15	0	1,917
	Journals *	36	0	0	36
	Film 16mm	8	0	0	8
	CD/DVD	198	0	0	198

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC G	Books	822	20	-	842
	Journals **	0	---	---	0
	Film 16mm	0	---	---	0
	Video Tapes	43	---	---	43
	Slides	13 sets	---	---	13sets
	Audio Cassettes	0	---	---	0
	Educational CDs	9	---	---	9
DSC T	Books	1,196	---	---	1,196
	CD / DVD	33	---	---	33
	16mm films	09	---	---	09

** Renewal only

DSC T: Due to incessant rains& floods during January 2024, the centre was submerged in water and the films, books and DVD/CD were damaged and now not in a condition to reuse.

20. PUBLICATIONS:

Name of the Museum/ Centre	Name Of The Publication	Process	Number Printed	Expenditure Incurred (in Rs.)
VITM	Posters- Mars Rover	Offset	100	1,250.00
	Brochure for MSE Gene Health Connect	Offset	6000	21,240.00
	Brochure for I H Pilikula	Digital prints	500	1,7700
	Brochure for BEL hall of Electronics	Digital Prints	500	8,850.00

21. CONSTRUCTION:

Name of the Unit	Name of the work	Tender Value of Work * (Rs. In Lakhs)	Date of Commencement	Date of Completion
VITM	AMC work sanitary, plumbing and civil works at VIMSA and VITM for year 2023-24	10.55	10-04-23	09-04-24
	Providing painting for BEL gallery of VITM, Bengaluru	2.26	19-06-23	23-06-23
	Providing waterproofing treatment at terrace of VITM (Phase III) 3rd floor	11.23	29-08-23	27-10-23
	Miscellaneous civil works at BEL Gallery of VITM, Bengaluru	5.63	18-09-23	01-11-23

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	Providing white topping for visitor's entrance at VITM, Bengaluru	20.73	08-01-24	21-02-24
	Providing and laying PVC flooring at BEL Gallery of VITM, Bengaluru	10.3	09-11-23	20-12-23
	Providing painting for 3rd floor lift lobby and Gallery at VITM, Bengaluru	1.11	06-12-23	12-12-23
	Modernisation of Kitchen in Type IV quarters including electrical works at VIMSA, Bengaluru	19.19	18-09-23	01-12-23
	Providing power point wiring in BEL Hall of Electronics Gallery	1.85	06-04-2023	20-04-2023
RSC T	Providing concertina wire fencing (Phase I) at RSC, Tirupati	10.97	09-08-23	07-10-23
	SITC of Voltage Stabilizer	6070	7-08-2023	15-08-2023
DSC G	Providing concertina wire fencing (Phase I) at DSC, Gulbarga	4.55	16-08-23	29-09-23
	Providing waterproofing at terrace Phase IV of RSC & P, Calicut	23.37	20-10-23	20-12-23
DSC T	Modernisation of Science park visitors toilet at DSC, Tirunelveli	10.7	07-08-23	22-09-23
	Miscellaneous plumbing and sanitary work at DSC, Tirunelveli	1.47	13-03-24	19-03-24
	LED Video wall	2.00	11-09-2023	19-10-2023
	Voltage stabilizer	4.20	12-02-2024	20-03-2024
RSC & P Calicut	SITC of Air cooled packaged Air conditioner in Planetarium	19.07	8-11-2023	19-12-2023
SRSC, Rajahmundry	Fabrication and installation of umbrellas at Science park of SRSC, Rajahmundry	2.06	04-08-2023	02-09-2023
	Garden Development Phase-II at SRSC, Rajahmundry	21.04	26-07-2023	24-08-2023
	Painting of external and internal walls at SRSC, Rajahmundry	2.05	13-03-2024	21-03-2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

22. PROCUREMENT OF EQUIPMENT:

(Under PL-5 (iv) – Costing Rs.5000/- or more)

Museum / Centre	Name of the Equipment	Date of procurement	Cost (Rs)
VITM	Supply of Bacteriological Incubator	02.06.23	41,300.00
	Supply of Ahuja Make Audio Conference System	20.06.23	1,25,639.00
	SITC Of Led Display Wall At DSCT	11.09.23	1,99,420.00
	Supply of Bench Vice At Visvesvaraya Industrial & Technological Museum	12.10.23	59,189.00
	Supply of Itad Interactive Touch Active Display	16.10.23	2,47,800.00
	Supply of 3d Printer For BEL Gallery	18.12.23	1,20,000.00
	Supply of Led Display Board For BEL Gallery	22.12.23	76,877.00
	Supply And Inst of Cc Cameras At Different Locations Of RSC&P, Calicut	01.03.24	98,999.00
	Supply of Epson Thermal Printer-Tmt83iii-With 3 Years Warranty	21.02.24	24,780.00
	LOI of SITC Of Hi-Wall Mounted Split Ac Inverter At RSC&P, Calicut	05.03.24	2,74,613.00
	Supply of CCTV Dome Camera At VITM	19.03.24	2,26,206.00
	Supply of Floor Scrubbing And Scarifying Machine at VITM	22.03.24	1,05,020.00
	Creality 3d Printer	15.05.23	1,34,999.00
	Samsung 24inch Prof Display Model:Qb24r	17.05.23	2,20,754.00
	Dell Intel Core I5 12500 8gb Model:Dell Optiplex 3000 Tower	01.06.23	1,56,999.00
	Dell Intel Core I5 12500 16GB Model:Dell Optiplex 3000 Tower	01.06.23	1,70,999.00
	Compound Binocular Microscope	06.07.23	1,25,976.00
	HP Multifunctional Machines Model:HP LaserJetMFP M233sdw Printer	12.07.23	23,649.00
	LG Professional Display 80cm Touch Screen Model:32 Inch T	25.07.23	54,000.00
	Hp Intel Core I5 12400 16gb Model:HP 280 G9 SFF I5 12400 Win11p	26.07.23	2,91,624.00
	LG Professional Display 108cm WIFI Screen Model:43 Inch Smart Display	29.07.23	96,100.00
	HP Workstation With Intel Core I5 12500 Model:Hp Z2 Twr G9 I5 12500 851213	01.08.23	4,88,851.00
	HP Intel Core I5 12600 16gb Model:Hp 400 G9 Mt I5 12600 Win11p	09.08.23	4,74,671.00
	HP Intel Core I5 12500 Model:Hp 280 G9 Mt I5 12500 Win11p	24.08.23	2,06,999.00
Dell Workstation With Intel Core I5 12500 Model:Dell Precision 3660 Tower	25.08.23	4,26,447.00	
HP Intel Core I5 12600 16gb Model:Hp 280 G9 Sff I5 12500 Win11p	28.08.23	78,497.00	

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	Samsung Professional Display 138cm Wifi Screen Model:Samsung Qb55b	05.09.23	3,19,987.00
	Numeric Online Ups Model:5 Kva Onfiniti Fm -30 Min Smf Vrla	05.09.23	4,99,919.00
	Numeric Online Ups Model:3 Kva Onfiniti Fm -30 Min Smf Vrla	05.09.23	1,75,999.00
	Samsung Multitouch Display 24inch Model:Qb24r-T	07.09.23	1,05,964.00
	Samsung 24inch FHD Display Model:Qb24r	07.09.23	36,462.00
	Samsung 43inch Signage Display Model:Qb43b	07.09.23	40,832.00
	HP Mini Computer Model:Sff	07.09.23	1,23,800.00
	Samsung 24 Inch Full Hd Displays Model:Qb24r	07.09.23	36,462.00
	Samsung Professional Display 189cm Wifi Screen Model:Sam Qb75b	08.09.23	2,19,996.00
	Samsung Qbr-T Series Digital Signage Model:Qb24r-T	08.09.23	4,31,200.00
	Samsung 42 Or 43 Inch Professional Monitor Model:Qm43	13.09.23	2,57,500.00
	Samsung 43 Inch Signage Display Model:Qm43	13.09.23	51,500.00
	Samsung 13 Or 14 Inch Professional Display Model:Qb13r	13.09.23	29,900.00
	Samsung 13 Inch Professional Display Model:Qb13r	13.09.23	1,49,500.00
	HP Pro Tower 280 G9 Pci Desktop Model:Hp Pro Tower 280 G9 Pci Desktop Pc	15.09.23	2,68,000.00
	Samsung 24inch Professional Display Model:Qb24r	15.09.23	39,850.00
	Benq Laser Light,Ict Chargers For Ust And Lt Projector	27.09.23	4,44,000.00
	HP 280 G9 Desktop , Ict Chargers For Desktop Computer Without Monitor	05.10.23	5,67,600.00
	Blue Star Mega Split Ac 3 Ton,Jindal ,Polycab Supply And Fixing	25.10.23	2,44,083.00
	HP Workstation With Intel Core I9 12900k Model:Hp Z2 G9 I9 12900k 641pcie	09.11.23	4,48,815.00
	LG Professional Display 108 Cm Non Touch Screen Model:43uh5j	10.11.23	2,49,821.00
	Optoma Laser Projector For Dsct Model:Zh403	10.11.23	1,12,100.00
	Optoma Laser Projector For Rsct Model:Zu516sat	10.11.23	1,73,376.00
	Digital Projection Standard Throw Projector Model: E Vision Laser 6500	10.11.23	4,48,000.00
	Samsung Professional Display 138cm Wifi Screen Model:Samsung Qb55b	13.11.23	79,899.00
	Digital Projection Ultra Short Throw Projector For Vitm Model: E Vision Laser 5100	14.11.23	9,20,100.00
Digital Projection Ultra Short Throw Projector For Rsct Model: E Vision Laser 5100	14.11.23	3,06,700.00	

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	Samsung Indoor Direct View Led Display Wall Solutions And Parts	20.11.23	8,97,804.00
	Flir Thermal Imager E54 Model:Flir E54 & ICT Charges For Thermal Imaging Camera	22.11.23	6,53,744.00
	Samsung 49 Inch Curved Tv Model: Lc49g95t	01.12.23	1,28,800.00
	LG 43 Inch Professional Monitor Model:43uh5j	01.12.23	49,964.00
	Celestron Aluminium Altazimuth And Goto Telescopes Model:Nexstar 8se Telescope	12.12.23	1,65,000.00
	HP Intel Core I5 13500 8gb/1000gb Hdd/Windows 11 Professionalmodel:Hp 280 G9 Sff I5	29.02.24	4,49,247.50
	Numeric Online Ups Of 5.O Kva Without Battery of Backup Model: 5kva Premium Fmi	04.03.24	1,90,000.00
	Numeric Online Ups Of 3.O Kva With Battery of Backup Model: 3kva Onfiniti Fmi-30 Min	08.03.24	3,79,320.00
	HP Intel Core I5 13500 8gb/1000gb HDD/Windows 11 Professional model: Hp 280 G9 SFF I5	11.03.24	3,59,398.00
	HP Workstation With Intel Xeon W5 2455x Processor 64gb Model: Hp Z4 Twr G5-2455x Win	12.03.24	4,49,553.00
	Laser Projector Set Model: E-Vision Laser 9000wu	22.03.24	13,44,000.00
	Desktop Computer Without Monitor	26.03.24	3,15,752.00
RSCP C	Fan Ceiling Bajaj . 1200 mm – 5 Nos	12.5.23	7735.00
	Pump . Submersible open well 1.5 HP . Kirlosker	12.7.23	14000.00
	Water purifier	18.7.23	19000.00
	Camera . Bullet .2 Nos	19.7.23	8400.00
	Camera .Dome – 2 Nos	19.7.23	8400.00
	Desktop Computer with 24”TSM	25.7.23	66968.00
	PA System . All.in.one . 600 Bl . Yamaha – 2 Nos	25.7.23	93904.00
	Printer.HP.Multifunction –Laser jet.MPPM438NPA	25.7.23	54900.00
	Almirah.steel.5 ½’×3’.22g suit	3.8.23	9562.00
	Monitor.22”.LED.Zebronics – 2Nos	12.9.23	8851.00
	Speakers.PA wall WS×55 I T make:Ahuja – 8Nos	12.9.23	9600.00
	Welding Machine.electronic.1 Bell MMA.IGBT.200 AI BC.200.77 BC.Portable	21.9.23	6499.99
	Sander.Machine M920 2B.Random orbit.125mm.240W.M920 2B	21.9.23	5000.00
	Table .Executive spl.type	21.9.23	12000.00
	Monitor – 22”.TD2223 IR Touch view sonic Sl.No:W7Z 223601114	26.9.23	23500.00
	Benqu Laser Light source Based standard throw Projector.BENQLU930 – 2Nos PDHAP00019031 and PDTIP01013000	17.11.23	4,44,000.00
	Hand Pallet Truck	21.11.23	19900.00

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	Split A.C – SITC of Air Cooled Package with ancillary work – 4 Nos	15.12.23	19,07,035.00
	Ladder – Aluminium ,Size .15'+15'	22.12.23	24999.00
	Trolley – Platform – pl.300Kg	10.1.24	6750.00
	NVR – Network video recorder for CCTV system(TD – 3564H8)	11.1.24	165200.00
	Swivel Caltors material movement – Trolley .Accessories.	15.1.24	10449.00
	Attendance system – Biometric Precision.ABAS100 , 4G LAN	15.1.24	14932.00
	Saw .Table. Machine Bosch.GTS254	11.3.24	24957.00
	Drilling Machine –Cordless Screw Driver	11.3.24	21995.00
	Communication System. CCS.2200.Ahuja	11.3.24	9000.00
	Bullet.camera – 4 Nos	11.3.24	14237.28
	Dome.camera – 8 Nos	11.3.24	28474.56
	Camera Accessories	11.3.24	23749.15
	Router Machine . Bosch	13.3.24	11950.00
	Hammer Drill	13.3.24	14950.00
	Chair – Wooden – 5 Nos	20.3.24	31000.00
	KEF – Chair – 4 Nos	20.3.24	15200.00
	Projector – optoma HD 39 HDR	25.3.24	1,12,500.00
	Telescope – 8” Celestron with accessories	27.3.24	1,99,656.00

DSC T	Computer Monitor	24.08.2023	5,900.00
	Spare parts for Generator	04.08.2023	24,304.00
	Battery for MSE Bus	24.08.2023	.9,300.00
	LED Display at Entrance	07.12.2023	18,500.00
	Fire Extinguisher Refill	28.11.2023	24,815.00
	Hand Tools	29.02.2024	1,00,000.00
	Fire Extinguisher New	29.02.2024	37,170.00
	Submersible Pump set	22.03.2024	34,35.00
	AMF Panel for Genset	22.03.2024	1,15,640.00
	Controller Panel for Genset 100KVA	22.03.2024	1,01,193.00
	Exhaust Fan	22.03.2024	15,600.00
	Ceiling Fan	22.03.2024	24,600.00
		LED Lights	22.03.2024
	Bed Clothes for Guest House	22.03.2024	25,000.00

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	Inverter for Guest House	24.03.2024	24,750.00
	RO Water Purifier	24.03.2024	23,996.00
	Mattress	28.03.2024	87,650.00
	Air Compressor	26.03.2024	1,17,502.00
	3 KVS UPS	28.03.2024	1,41,865.00
	12 V 42 Ah Battery	28.03.2024	71,768.00
	Computer Monitor	05.03.2024	4,49,247.00

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

23. PERSONNEL:

(a) **APPOINTMENT** – New appointments and persons joining on transfer from other museums/Centres

SI No.	Name of the person Shri /Smt/Ms	Cadre & Group Scie/Tech/ Adm	Designation	Pay Scale Pay Matrix Level	Date of Joining	Basic Pay in Rs.	Highest Educational Qualification	Date of Birth
1.	Hemaraj Arjunnawar	Technical	Education Assistant 'A'	PM level-5	13.04.2023	29,200/-	SSLC, PUC, B.Sc, M.Sc	25.10.1986
2.	Suresh Kumar S.	Admin	Jr. Steno	PM Level-04	01.01.2024	25,500/-	SSLC, PUC, Shorthand Junior	17.05.2001

23 (b) PROMOTIONS:

Sl. No.	Name of the person Shri./Smt./Ms.	Designation and Pay Scale before Promotion	Designation and Pay Scale after Promotion	Basic Pay before promotion in Rs.	Basic pay after Promotion in Rs.	Effective date of Promotion
1	Anand Ganesh	Technician 'B'	Technician 'C'	30,500	31,900	11.07.2023
2	Dhiravidamani	Technician 'A'	Technician 'B'	22,400	25,500	11.07.2023
3	Suthan Abishek Y.	Technician 'A'	Technician 'B'	22,400	25,500	21.02.2024
4	Athul Raj C.	Technician 'A'	Technician 'B'	22,400	25,500	21.02.2024
5	Sathyaseelan L.	Technician 'A'	Technician 'B'	22,400	25,500	21.02.2024
6	Ramyia B.	Technician 'C'	Technician 'E'	38,100	39,900	23.03.2024
7	Ponnarasan	Education Asstt 'B'	Education Officer 'A'	42,300	44,900	23.03.2024
8	Bindhu S.	OA. Gr.III	OA. Gr.II	45,400	45,400	21.09.2023
9	Shaneesh Kumar	Dirver Gr.II	Driver Gr.I	31,400	33,900	05.02.2024
10	Jayanth Gangopadhyay	TO 'C'	TO 'D'	83,300	88,700	14.03.2024

23 (c) TRANSFERS:

SI.No.	Full Name of personnel Shri/Smt/Ms	Designation	Transferred from....to...	Date of Relief/joining
1	Saibal Bose	CoA	NCSM to VITM	29.05.2023
2	Dipu Singh	AEE	NCSM to VITM	17.01.2024
3	Divya Tawra	Curator 'C'	NSCD to VITM	05.02.2024
4	Deep Kumar Poddar	Section Officer	Science City toVITM	01.11.2023
5	Thomas John	Technician 'F'	NSCM to VITM	01.06.2023
6	Sudipto Saha	Curator 'D'	RSC Bhuvaneshwar to RSC, Tirupati	28.04.2023

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

7	Shaik Rafi	Curator 'D'	VITM to NSCD	22.03.2024
8	Manash Bagchi	Curator 'E'	VITM to CRTL	31.08.2023
9	Thiraviaraja M.	SE	VITM to NSCM	16.08.2023
10	Revannasiddappa	Technician'B'	VITM to DSCG	06.04.2023
11	Ramesh Baskaware	Technician 'C'	DSCG to RSC,Nagpur	06.04.2023
12	Binoy Kumar Dubey	Curator 'D'	RSCC to NSCD	31.01.2024
13	Bharath Simha Reddy	OA Gr.III	DSCG to VITM	23.08.2024
14	R.Bharadan	EO 'D'	DSCG to VITM	05.09.2023
15	MMK Balaji	Curator 'D'	RSCT to RSCC	28.04.2023
16	Sunil K.M.	EO 'C'	RSCC to DSCG	05.09.2023
17	Vidyasagar	Technician 'B'	NSCM to VITM	06.04.2023
18	Cyril K. Babu	Curator 'E'	NCSM to VITM	01.05.2023
19	K. Sajoo Bhaskaran	Curator 'F'	Science City to VITM	28.12.2024
20	Natarajan	Technician 'A'	VITM to DSCT	04.01.2024

23 (d) RETIREMENT/REPATRIATION/RESIGNATION:

SI No	Full Name of personnel Shri/Smt/Ms	Designation	Name of the museum/ Centre	Resignation/ Retirement	Date of retirement or release (w.e.f)
1	V.Lekshmanan	Tech.Officer 'A'	VITM	Retirement	31.05.2023
2	C.R.Suresh	Dy. CoA	VITM	Retirement	31.05.2023
3	Varughese	OA.Gr.II	RSCC	Retirement	31.05.2023
4	M.Rajendran	Driver Spl. Gr.	DSCT	Retirement	30.06.2023
5	Subbanna	Tech Officer'A'	RSCT	Retirement	30.06.2023
6	Basavaraj S.Sajjan	Tech Officer 'A'	VITM	Retirement	31.07.2023
7	B.R.Thulasi Raju	OA Gr.II	VITM	Retirement	31.10.2023
8	K.A. Sadhana	Director	VITM	Retirement	31.12.2023
9	R.Venkateshwarlu	EO 'D'	VITM	Retirement	29.02.2024
10	Vadiraj	Tech 'G'	RSCT	Retirement	29.02.2024
11	R.Shanthinidevi	Library Officer 'B'	VITM	Retirement	31.03.2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

24. MISCELLANEOUS:

24 (a) DISTINGUISHED VISITORS

VITM, BANGALORE

1. Ana Maria Guerrero, LPL, Pasadena, California
2. Annamma C Spudich, visiting faculty, Department of Cellular and Molecular Pharmacology, University of California, San Francisco and a visiting scientist at Genentech.
3. Fan Blajchorn, Director, Science Museum, London
4. Helen James, Global Engagement, Science Museum, London
5. Shalini Narayan, International Engagement Manager, Science Museum, London
6. P. Veeramuthuvel, Project Director, Chandrayaan -3, UR Rao Satellite Centre, Bangalore
7. Nigar Shaji, Programme Director, UR Rao Satellite Centre, Bangalore
8. M Vanitha , Associate Director, Chandrayaan -2, UR Rao Satellite Centre, Bangalore
9. Jayanthi Rajesh, Group Director, SIG, UR Rao Satellite Centre, Bangalore
10. Maslon Jamdar, Bombay High Court
11. M. Shankaran, UR Rao Satellite Centre, Bangalore
12. Marisa Lago, Under Secretary for International Trade, S U Dept. of Commerce, Washington DC
13. L Ramakrishnan, Chief Scientist, C R L, BEL.
14. Bill Nelson, Administrator, National Aeronautics and Space Administration , USA
15. Rakesh Sharma, Wing Commander, The only Indian to go to space
16. Mr. Shantanu Bhatawdekar, Director, Earth Observation System ISRO, INDIA
17. Bhanu Prakash Srivastav, CMD, BEL
18. Dr. B. Vekataraman, Director, IGCAR, Kalpakam,
19. Vikraman N, Director, (HR), BEL,

RSC, TIRUPATI

1. Dr. Sindhu, Green Tribe, Tirupati

RSC & P, Calicut

1. Shri.P.A.Muhammed Riyas, Hon'ble Minister for Tourism & Public works ,Govt Kerala
2. Smt. Beena Philip, Honorable Mayor Kozhikode

DSC Gulbarga : NIL

DSC, TIRUNELVELI

1. Dr Vaithi Arumugasami, Scientist, Geffen School of Medicine, University of California, Los Angeles, U S A.
2. Smt.Sumathi, Joint Commissioner, Labour Welfare & Skill Development Department, Tirunelveli.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

24 (b) MEDIA PROGRAMMES IN WHICH STAFF PARTICIPATED:

Centre	Name of the Staff	Name of the media	Type of the programme	Broadcast on
RSC T	Srinivas Nehru K Project Coordinator, RSC Tirupati	E TV Telugu	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	Srinivas Nehru K Project Coordinator, RSC Tirupati	Sakshi TV	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	Srinivas Nehru K Project Coordinator, RSC Tirupati	Prime 9TV News	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	Srinivas Nehru K Project Coordinator, RSC Tirupati	Sakshi TV	Launching of Aditya L1	02-09-2023
	N T Purushothama Edu. Asst 'B' RSC Tirupati	Zee Telugu	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	N T Purushothama Edu. Asst 'B' RSC Tirupati	Sakshi TV	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	N T Purushothama Edu. Asst 'B' RSC Tirupati	Prime 9TV News	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
	N T Purushothama Edu. Asst 'B' RSC Tirupati	ABN News	Chandrayaan 3 Vikram Lander Soft Landing	23-08-2023
DSC T	Shri S M Kumar, DSO, DSC-T	Puthiya Thalaimurai, Jaya TV, Maa TV	Zero Shadow Day significance and arrangements made at DSC-T	12-04-2023
	Shri S M Kumar, DSO, DSC-T	Jaya TV, Puthiya Thalaimurai	World Environment Day and Awareness programme organised at DSC-T	05-06-2023
	Shri S M Kumar, DSO, DSC-T	Thanthi TV, News 18	Mission of Chandrayaan-3	23-08-2023
	Shri S M Kumar, DSO, DSC-T	Jaya TV	Lunar Eclipse	28-10-2023

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

24 (c) POPULAR LECTURES BY STAFF

Centre	Venue	Date	Topic	Speaker(Shri/Mr)	Audience
VITM	Ramiah University of Applied Sciences, Bangalore	10-12-2023	Innovations in Science in Science Museums and Science Centres.	Smt. K. A. Sadhana, Director, VITM	300
RSC T	Kendriya Vidyalaya No.1 , Tirupati	25-07-2023	Understanding Ecosystem for Health and Well Being	Shri Srinivas Nehru K, Project Coodinator, RSC Tirupati	80
	S V High School, Tirupati	22-08-2023	Innovative Ideas from Grass Root	Shri Srinivas Nehru K, Project Coodinator, RSC Tirupati	350
	Sri Padmavati Women's Degree & PG College, Tirupati	11-09-2023	A Fascinating Journey of Chandrayaan	M M K Balaji, Project Coodinator, RSC Tirupati	380
	Sri Venkateswara University College of Engineering, Tirupati	17-03-2024	A Fascinating Journey of Chandrayaan	Shri Sudipto Saha, Curator, RSC Tirupati	150
RSC P C	Indian Institute of Spices Research, Kozhikode	28-02-2024	Indigenous Technologies for Viksit Bharat	Shri MMK Balaji	25
DSC T	Anna University Regional Campus, Tirunelveli	19.09.2023	Technological Challenges of the Future	Shri S M Kumar, DSO, DSC-T	255
	Anna University Regional Campus, Tirunelveli	22.03.2024	Local Solutions for Global Issues	Shri S M Kumar, DSO, DSC-T	280

(d) **FOREIGN DEPUTATIONS:** ---- **NIL**

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

ANNEXURE – 1

SCIENCE PARK EXHIBITS :

V.I.T.M BANGALORE

Sl. No.	Name of the Exhibit	Sl. No.	Name of the Exhibit
1	Stationary Steam Engine – 1926	6	Hydro-Electric Generator Reaction Turbine
2	Swings of different lengths	7	Railway Engine – SMR Meter Gauge 1888
3	Portable Steam Engine	8	H F 24 Aircraft
4	Archimedes Screw	9	Solar Street Light
5	Sun Dial	10	Solar Water Pump

RSC TIRUPATI

Sl. No.	Name of the Exhibit	Sl. No.	Name of the Exhibit
1	A Swing is A Pendulum	32	ISIS
2	Sympathetic Swing-I	33	Whispering garden
3	Trace a Pattern	34	Musical Bars
4	Compound Pendulum	35	Elliptical Speaking Tube
5	Straight Line or Circle?	36	Optic Tree
6	Swing a Quintal	37	Bird In a Cage
7	Variable Pendulum	38	World Minus Colours
8	Inclined Planes	39	Perception of Depth
9	Pulleys Lift Loads	40	A simple Camera
10	Lever Reduces Effort- 3No.s	41	Nipkov's Disc
11	A Sea-Saw is a Lever	42	Oscillating or Rotating
12	Pulley Drive	43	Archimedes Screw
13	Gear Train	44	Moment of Inertia
14	Worm Wheel -2 Nos.	45	Balancing (Moment)Wheel
15	Check your weight	46	Sun-dial
16	Lift Yourself	47	Geodesic Dome - Rabbits Cage – 1
17	Roller Coaster - 2 Nos.	48	Geodesic Dome - Rabbits Cage – 2
18	Rolling and Sliding	49	Geodesic Dome - Rabbits Cage – 3
19	Segregation of Balls	50	Geodesic Dome – Pigeon Cage
20	Guess the Length	51	Geodesic Dome - Ducks Cage
21	Size and Distance	52	Sympathetic Swing – II
22	Ellipse Tracing	53	Animal in a Cage
23	Möbius Band	54	Spider Web
24	Impossible Triangle	55	HPT-32 Deepak
25	Weightlessness	56	Yo-Yo
26	Turn Faster	57	Dancing Balls
27	Moment Wheels(3 Discs)	58	Depth Perception
28	Action and Reaction	59	Swing as a pendulum
29	Cone Runs Uphill	60	Musical Plates
30	Win the Race	61	Water Wheel
31	Centrifugal Force	62	Moier;s Pattern

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Pre Historic Life Park

Sl. No.	Name of the Exhibit	Sl. No.	Name of the Exhibit
1	Evolution of Man	18	Smilodon
2	Lemur	19	Cynognathus
3	Proconsul ape	20	Ankylosaurus
4	Neanderthal Man	21	Tyrranosaurus
5	Megatherium	22	Dimetrodon
6	Brachiosaurus	23	Anatosaurus
7	Moeritherium	24	Woolly Rhinoceros
8	Dienotherium	25	Spinosaurus
9	Woolly Mammoth	26	Psittocosaurus
10	Uintatherium	27	Velociraptor
11	Glyptodon	28	Pterenodon
12	Beluchitherium	29	Corythosaurus
13	Musk Ox	30	Dragon fly
14	Diatryma	31	Land scorpion
15	Archaeopteryx	32	Giant Squid
16	Magaloceros	33	Giant Water scorpion
17	Stegosaurus	34	Trilobite

SCIENCE PARK –Phase II

1	Lift yourself	13	Bouncing Balls
2	Probability	14	2D to 3D
3	Rolling Discs	15	Scientists - 8 Nos
4	DNA	16	Mathematical Totems -13 Nos
5	Sea-saw as a Pump		
6	Pin Screen		
7	Transverse Wave Propagation		
8	Laminar or Turbulent		
9	Variable Swing		
10	Relative Motion		
11	Earth-Moon System		
12	Racing Balls		

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

RSC P Calicut

1. Echo tube
2. Who speaks
3. Weightlessness
4. Rolling & sliding
5. The acrobatic ball
6. Minimum time path
7. Roller coaster
8. Mobius band
9. Musical bars
10. Whispering garden
11. A swing is a pendulum
12. World minus colours
13. Perceiving depth
14. Bird in cage
15. Variable pendulum
16. Compound pendulum
17. Lever-I
18. Lever-II
19. Lever reduces effort
20. See-saw is a lever
21. Inclined plane
22. Pulley lifts loads
23. Simple camera
24. Action & reaction
25. Pulley & Gears
26. Gear Train
27. Revolving Faster
28. Worm Wheel
29. Straight line or circle
30. Evolution of Man
31. Oscillation or Rotation
32. Sympathetic pendulum
33. Lift yourself
34. Giant lever
35. Pulley Reduces Effort
36. Giant Archimedese screw
37. Magical swing
38. YoYo
39. Delayed Hearing
40. Energy Drum
41. Standing See Saw
42. Dome climber
43. Balancing Block
44. Orbital Climber
45. Sun to phone
46. Magical swing
47. Bouncing ball
48. Tensigrity structure

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC, GULBARGA

1.	Archimedes' Screw	25	Minimum Time Path
2.	Musical Bars	26	Geodesic dome – 5m dia-4 Nos.
3.	Musical Pipes	27	Geodesic Dome-15m dia - 1 No.
4.	Lever Reduces Effort	28	Parabolic sound Reflectors
5.	II and III Order Lever	29	Sun dial
6.	Projective Geometry	30	Action and Reaction
7.	Inclined Plane	31	Periscope
8.	Pulley Lift Loads	32	Torsional Oscillation / Wave motion
9.	Variable - Pendulum-I	33	Geodesic Dome - 3m Dia - 1 No.
10.	Variable Pendulum-II	34	Amusing Seesaw
11.	Sympathetic Swing	35	Mobius Band - I
12.	Echo Tube	36	Mobius Band - II
13.	Swing is a Pendulum	37	Sea Saw is a lever
14.	Gear Train	38	Size and Distance
15.	Worm Wheel	39	Kinetic wheel /Yo-Yo wheel
16.	Pulley Drive	40	DNA Model – Double Helix
17.	Roller and Coaster	41	RNA Model
18.	Acrobatic Ball	42	Centrifugal force
19.	Rocking Chair	43	Water Wheel
20.	Cone Runs Uphill	44	Check your weight
21.	Camera Obscura	45	Lift your self
22.	Straight Line Or Circle	46	Perspective drawing
23.	Nipkov's Disc	47	Turn faster
24.	Bird In a Cage	48	Steam Engine - Horizontal

PREHISTORIC ANIMAL PARK EXHIBITS

1	Dimetrodon	2	Scelidosaurus
3	Gallimimus	4	Psittacosaurus
5	Corythosaurus	6	Tyrannosaurus rex
7	Spinosaurus		

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC, TIRUNELVELI

1. Sun dial
2. Musical Bars
3. Centrifugal force
4. Amusing See saw
5. Aero engine Radial type
6. Size And Distance
7. Win a race
8. Weightlessness 'A'
9. Echo Tube
10. Pulley System
11. Check Your Weight
12. Roller Coaster
13. Acrobatic Ball (Centripetal Force - A)
14. Gravity Well
15. Pulley Drive
16. Gear train
17. Worm Wheel
18. How friction helps?
19. Swing is a Pendulum
20. Rocking Chair
21. Tug of War
22. Rolling Drum –Circular
23. Rolling Drum –Hexagonal
24. Deceiving Eyes
25. Inertia of Wheels
26. Gravity Paradox - A
27. Sound Reflectors
28. Harmonograph
29. World Clock
30. Self Balancing Sticks
31. Spider Web
32. Variable Pendulum
33. Bird in a Cage
34. Parabola
35. Weightlessness 'B'
36. Size & Weight
37. Compound pendulum
38. Lever reduces effort –I
39. Lever reduces effort –II
40. Lever reduces effort –III
41. Lissajous Figures - A
42. Isis Speak - 1 set (2 Nos.)
43. Straight Line or Circle
(Pulfrich Pendulum)
44. Seesaw is a Lever 'A'
45. Seesaw is a Lever 'B'
46. Sympathetic Swing
47. Angular Momentum
48. Aircraft HPT 32
49. Projectiles
50. Action & Reaction
51. Archimedes Screw
52. Geodesic Dome
53. Moebius Band
54. Express Slide
55. Wave Motion
56. Cycloid Path
57. Lift Yourself Up
58. Elliptical Band
59. Swings of different lengths
60. Scientists Busts (08 Nos)
61. Mathematical Totem (13 Nos)
62. Hyperboloid
63. Rabbit cage
64. Pet Aviary
65. Yo - yo
66. Guess the length

Placed in bus MSE (Krishna)

1. Persistence of Vision
2. Involute in a Circle
3. Total Internal Reflection
4. Sun dial or Telling Time
5. Rotation per Minute
6. Spring Saves Energy
7. Inner Earth
8. Moment of Inertia
9. Rain Rain Come Again
10. Electromagnetic Waves
11. Ellipse
12. Tension

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

PREHISTORIC ANIMAL PARK EXHIBITS

Sl. No.	Name of the Exhibit	Sl. No.	Name of the Exhibit
1	Dimetrodon	6	Glyptodon
2	Stegosaurus	7	Spinosaurus
3	Corinthosaurus	8	Psittacosaurus
4	Tyrannosaurus Rex	9	Scelidosaurus
5	Gallimimus	10	Early Man faces
6	Baluchitherium		

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**ANNEXURE – 2****LIST OF EXHIBITS DEVELOPED:****VITM, BANGALORE**

SI No	Name of the Exhibit Completed	Name of the Gallery for which it is made	Centre for which it is developed
1.	Colour shadows	Fun Science Gallery	SRSC, Rajamahendravaram
2.	Head on a Platter	--do--	--do--
3.	Super bounce	--do--	--do--
4.	Fun mirror	--do--	--do--
5.	Chaos	--do--	--do--
6.	Ambiguous figures	--do--	--do--
7.	Breathing square	--do--	--do--
8.	Probability curve	--do--	--do--
9.	Catenary arch	--do--	--do--
10.	Floating ball	--do--	--do--
11.	Visualizing sound	--do--	--do--
12.	Kine music	--do--	--do--
13.	Musical tubes	--do--	--do--
14.	Acrobatic stick	--do--	--do--
15.	Pythagoras theorem	--do--	--do--
16.	Cone runs uphill	--do--	--do--
17.	Probability curve (liquid)	--do--	--do--
18.	Planetary motion	--do--	--do--
19.	Parabolic reflector	--do--	--do--
20.	Rising arc	--do--	--do--
21.	Lazy coins	--do--	--do--
22.	Water worries and woman	'Water Worries' Gallery	SRSC, Rajamahendravaram
23.	Preserving the precious (ground water)	--do--	--do--
24.	Water, water, every where	--do--	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

25.	Water cycle	--do--	--do--
26.	Time keeping with water	--do--	--do--
27.	Watershed management	--do--	--do--
28.	Water smart Agriculture	--do--	--do--
29.	The gift of Godavari	--do--	--do--
30.	Godavari	--do--	--do--
31.	On the trial of Godavari	--do--	--do--
32.	Drought scares	--do--	--do--
33.	Invisible pathogens	--do--	--do--
34.	Water power	--do--	--do--
35.	Polavaram dam	--do--	--do--
36.	Water stories	--do--	--do--
37.	Going going gone	--do--	--do--
38.	Eating water	--do--	--do--
39.	Drinking food	--do--	--do--
40.	Surface water purification	--do--	--do--
41.	Quizzical	--do--	--do--
42.	Musical Pipes	Science Park	SRSC, Rajamahendravaram
43.	Pond – Fountain	--do--	--do--
44.	Ocean Drum	--do--	--do--
45.	Lever III Order – May not reduce your Effort	--do--	--do--
46.	Lever Reduces Your Effort – II Order	--do--	--do--
47.	Lever Reduces Your Effort – I Order	--do--	--do--
48.	Xylophone	--do--	--do--
49.	Swing is A Pendulum	--do--	--do--
50.	Action & Reaction	--do--	--do--
51.	Elliptical Speaking Tube (Speaking Fish)	--do--	--do--
52.	Nearest neighbors (0 -15 light minutes)	Exhibition on “A Journey with Light”	SRSC, Rajamahendravaram

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

53	Distant Gas Giants (15 -165 light minutes)	--do--	--do--
54	Edge of the solar system (165-750 light minutes)	--do--	--do--
55	Stepping into deep space (750 light mt - 1200 light years)	--do--	--do--
56	A handful of nebulae (450 - 1200 light years)	--do--	--do--
57	Exotic objects in Milky way (1200 - 1500 light years)	--do--	--do--
58	More exotic objects (1500 – 2000 light years)	--do--	--do--
59	A step to galactic centre (2000 - 2500 light years)	--do--	--do--
60	Star nursery, planetary nebulae (2500 - 4000 Light years)	--do--	--do--
61	Nebulae galore (4000 - 5000 light years)	--do--	--do--
62	Newbie stars, Dying stars (5000 - 6500 LY)	--do--	--do--
63	Rare views from Hubble (6500 - 8000 LY)	--do--	--do--
64	Halfway to galactic centre (8500 - 13000 LY)	--do--	--do--
65	About the galactic centre (13 - 25 thousand LY)	--do--	--do--
66	Just beyond Milky way (25 - 160 thousand LY)	--do--	--do--
67	Inside Megallanic clouds (160 - 200 thousand LY)	--do--	--do--
68	Our galactic neighbors (0.2 - 12 million LY)	--do--	--do--
69	More distant galaxies (12 - 55 million LY)	--do--	--do--
70	Galactic encounter (55 - 115 thousand LY))	--do--	--do--
71	The Farthest islands (115 - 600 million LY)	--do--	--do--
72	Aditya L1 – 6 Nos (72 to 77)	Temporary Exhibition Aditya L1	VITM
78	Nobel Prizes in Physics	Temporary Exhibition Nobel Prizes 2023	--do--
79	Nobel Prizes in Chemistry	--do--	--do--
80	Nobel Prizes in Physiology & Medicine	--do--	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

81	International Year of Millets	Temporary Exhibition Mainstreaming Millets	--do--
82	In the Beginning, there were Grains	--do--	--do--
83	Ancient Indian Connect	--do--	--do--
84	Meet the Mighty Millets	--do--	--do--
85	MILLETS – The Powerhouses of Nutrition	--do--	--do--
86	Challenges in mainstreaming Millets	--do--	--do--
87	Millets for Sustainability	--do--	--do--
88	Culinary Adventure with Millets- Savor the Journey	--do--	--do--
89	Millet Ambassadors - 1	--do--	--do--
90	Millet Ambassadors - 2	--do--	--do--
91	Millet Map of India	--do--	--do--
92	Lost & Found	--do--	--do--
93	Millets Diversity	--do--	--do--
94	Video on Millets	--do--	--do--
95	Millets Products in Daily Life	--do--	--do--
96	Millets in nature	--do--	--do--
97	Transmission of Traits	MSE Exhibits (Gene – Health Connect)	C C M B, Hyderabad
98	Genes- Blueprints for Proteins	--do--	--do--
99	Mutations	--do--	--do--
100	Genetic Disease- Parents to Progeny	--do--	--do--
101	There are more to the List	--do--	--do--
102	Nature vs Nurture	--do--	--do--
103	Different Populations , Different genetic disease burden	--do--	--do--
104	Prevention is better than cure	--do--	--do--
105	Genetic Screening	--do--	--do--
106	Treatment of Genetic diseases	--do--	--do--
107	Electrical Conductivity	BEL Hall of Electronics	VITM
108	Semi Conductor	--do--	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

109	Transistor	--do--	--do--
110	Integrated Circuits & Miniaturization	--do--	--do--
111	Graphene	--do--	--do--
112	Modulation	--do--	--do--
113	Secure Communication	--do--	--do--
114	Fiber Optic Communication	--do--	--do--
115	Tactical Communication	--do--	--do--
116	Mobile Communication	--do--	--do--
117	Air Traffic Control	--do--	--do--
118	RADAR	--do--	--do--
119	Doppler Weather RADAR	--do--	--do--
120	Akash Missile System	--do--	--do--
121	Self Driving Car	--do--	--do--
122	Autonomous System	--do--	--do--
123	Thermal Imaging	--do--	--do--
124	Night Vision Goggles	--do--	--do--
125	Telemedicine	--do--	--do--
126	ICU Ventilator and Oxygen Concentrator	--do--	--do--
127	Wearable Health Care	--do--	--do--
128	Industry 4.0 and Smart Manufacturing	--do--	--do--
129	Acharya Jagadish Chandra Bose	--do--	--do--
130	Joseph John Thomson	--do--	--do--
131	Haptics	--do--	--do--
132	Block Chain Technology	--do--	--do--
133	Artificial Intelligence	--do--	--do--
134	Virtual Reality	--do--	--do--
135	Smart City	--do--	--do--
136	Milestone In Electronics	--do--	--do--
137	BEL Corner	--do--	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

138	LIFI-Technology	--do--	--do--
139	Robotics	--do--	--do--
140	3D-Printer	--do--	--do--
141	Moore's Law	--do--	--do--

KITS/AIDS DEVELOPED

SDL on Water: forSRSC, Rajamahendravaram

RSC, TIRUPATI

Sl. No.	Name of the exhibit	Name of the Gallery for which it is made	Centre for which it is developed
1	Wave Energy	Non Conventional Energy Resources	RSCT
2	Bouncing Balls	New Science Park	--do--
3	See Saw as a Pump	New Science Park	--do--
4	Relative Motion	New Science Park	--do--
5	See Saw as a Pump	New Science Park	--do--
6	Earth Moon System	New Science Park	
7	Trace a Pattern	Science Park	--do--
8	Trace a Pattern	Science Park	--do--
9	Cone Runs Uphill	Science Park	--do--
10	Yo-Yo	Science Park	--do--
11	Bird Feeder (Waste to Art)	Science Park	--do--
12	Action Reaction	Science Park	--do--
13	Roller Coaster	Science Park	--do--
14	Water Fountain	Science Park	--do--
15	Snake (Waste to Art)	Science Park	--do--
16	Bird in a Cage	Science Park	--do--
17	Geodesic Dome (Bird Cage)	Science Park	
18	Water Fountain	Science Park	
19	Variable Swing	Science Park	
20	Swing is A Pendulum	Science Park	
21	Rotating Chair	Popular Science Gallery	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

22	Floating Ball	Popular Science Gallery	--do--
23	Rotating Face	Popular Science Gallery	--do--
24	Xylophone	Popular Science Gallery	
25	Musical Box	Popular Science Gallery	
26	Kaleidoscope	Popular Science Gallery	--do--
27	Musical Drum	Popular Science Gallery	--do--
28	DNA	Emerging Technology	--do--
29	Space Launchers	Emerging Technology	--do--
30	Linear or Circular Accelerator	Our Universe	--do--
31	Quiz Corner	Our Senses	--do--

KITS/AIDS DEVELOPED

Sl. No.	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Cross Staff	Kit	RSCT
2	Mirage Bowl (Total Internal Reflection)	--do--	--do--
3	6 in 1 Activity Electronic Circuit Board	--do--	--do--
4	Sky Ruler	--do--	--do--
5	Telescope	--do--	--do--
6	Transfer of Heat : Convection	--do--	--do--
7	Chandrayaan 3 Rover	--do--	--do--
8	Horn Tube (Resonance & Convection)	SDL Kit	--do--
9	Bouncing Ball (Transfer of Momentum)	SDL Kit	--do--
10	Rising Balls (Bernoulli's Principle)	--do--	--do--
11	Gyrowheel (Angular Momentum)	--do--	--do--
12	Floating Balloon (Bernoulli's Principle)	--do--	--do--
13	Smoke Canon	--do--	--do--
14	Refractive Index	--do--	--do--
15	Lazy Pendulum	--do--	--do--
16	Lazy Ring	--do--	--do--

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

17	Air Rocket	--do--	--do--
18	Elephant Toothpaste (Exothermic Reaction)	--do--	--do--
19	Gyroscope	--do--	--do--
20	Puzzle Box (6 Nos.)	Kit	--do--
21	50mm/700mm Refractor Telescope (10 Nos.)	--do--	--do--
22	Ambiguous Cylinders 3D Print	--do--	--do--
23	4.5inch Newtonian Telescope	--do--	--do--
24	Line Following Robot	--do--	--do--
25	Tesla Coil	--do--	--do--

RSC P Calicut

SI No	Name of the Exhibit Completed	Name of the Gallery for which it is made	Centre for which it is developed
1.	Air Cannon	Fun Science	RSCP Calicut
2.	Sand Graph	--do--	--do--
3.	Velvet Hands	Science Park	--do--
4.	Decimals & Fractions	MSE on Mathematics	--do--
5.	Projections & Views	--do--	--do--
6.	Value of pie	--do--	--do--

KITS/AIDS DEVELOPED

SI No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1.	Chaotic Pendulum	Kit	RSCP Calicut
2.	Brahma's Disc	--do	--do-
3.	Newton's Pendulum	--do--	--do--

DSC, GULBARGA Exhibits Developed/ KITS/AIDS DEVELOPED

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

Sl No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Lever Reduces Effort (Renovated)	Park Exhibit	DSCG
2	Sympathetic Swing (Renovated)	Park Exhibit	DSCG

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**ANNEXURE – 3****POPULAR SCIENCE LECTURE****VITM, BANGALORE**

Sl. No.	Date	Topic	Name of the speaker	Venue	Audience
1	05-06-2023	Exploring the nature in our backyard'	Dr. R. Ganesan, Senior Fellow, S M Seghul Foundation Centre for Biodiversity & Conservation, Ashoka Trust for Research in Ecology & the Environment (ATREE), Bengaluru	VITM	335
2	21-06-2023	Yoga for Wellness of Body & Mind'	Dr. S.N. Omkar, Renowned Yoga Expert and Chief Research Scientist, Dept. of Aerospace Engineering, Indian Institute of Science Bengaluru	VITM	204
3	27-07-2023	Voices of the Earth	Prof. Rohini Balakrishnan, Professor, Centre for Ecological Sciences, IISc, Bangalore	VITM	250
4	15-09-2023	Culture of Innovation & 3M Innovations to the World'	Mr. T. H. Venkatesh, Vice President & Head, R&D Operations, 3M India Ltd., Innovation Centre, Bengaluru	VITM	240
5	04-10-2023	Chandrayaan - 3	Dr. Venkata Raghavendra, Deputy Project Director, Chandrayaan -3 Mission, UR Rao Satellite Centre (URSC) , ISRO, Bangalore	VITM	270
6	10-10-2023	Aditya L-1	Shri. Nashiket Parate, Scientist & Engineer, Dy. Project Director (Sysatems), Aditya L1, Section Head, Space Science & Ground Segment Systemns, U R Rao Satellite Centre, ISRO, Bangalore	VITM	249
7	13-10-2023	Bridging the Gap Fighting Inequality for a Resilient Future	Dr. Y V S Lakshmi, Consultant, Centre for Development of Telematics (CDoT) Bangalore	VITM	200

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

8	04-12-2023	Mainstreaming Millets	Padma Shri.Dr. Khadar Valli Dudekula, Scientist & Food and nutrition expert, Mysore	VITM	100
9	12-02-2024	The Evolution of Animal Form'	Dr. Ramray Bhat, Associated Professor, Dept. of Bio Engineering, Indian Institute of Science, Bangalore	VITM	260
10	28-02-2024	Towards Indigenous Technologies for Vikasit Bharat	Dr. T. V. Prabhakar, Chief Research Scientist, Dept. of Electronic Systems Engineering, Indian Institute of Science, Bangalore	VITM	260
11	08-03-2024	Pushing the Boundaries of Human Capabilities	Ms. Sucheta Deb Burman, Ultra Marathon Swimmer, Bangalore	VITM	260
12	14-03-2024	What is NANO and Why should you care	Prof. Aveek Bid, Department of Physics, Indian Institute of Science, Bangalore delivered the talk. About 300 students and general	VITM	300

RSC TIRUPATI

SI. No.	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	21-06-2023	How to get started with Yoga?	Shri. S. Sreenivasulu Naidu, Founder and Secretary of, the Yoga Association of Chittoor District	RSCT	210
2	21-06-2023	Landing on moon: Thriving Curiosity, Challenges & Opportunities	Dr.Amit Kumar Patra, Director, National Atmospheric Research Laboratory, Gadanki	RSCT	280
3	25-07-2023	Understanding Ecosystem for Health and Well Being'	Shri Srinivas Nehru K, PC, RSC Tirupati	Kendriya Vidyalaya No.1	80
4	22-08-2023	Innovative Ideas from Grass Root'	Shri Srinivas Nehru K, PC, RSC Tirupati	S V High School, Tirupati	250

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

5	11-09-2023	'A Fascinating Journey of Chandrayaan'	Shri Srinivas Nehru K, PC, RSC Tirupati	Sri Padma vathi Degree & PG College	380
6	16-09-2023	'Preserving Ozone, Protecting Atmosphere'	P. Neelakantiah State Coordinator AP National Green Corp	RSCT	180
7	24-02-2024	Household Waste Management	Dr. Sindhu, Green Tribe, Tirupati	RSCT	60
8	22-03-2024	Water Scarcity: Silent Killer	Dr. K Kiran Kumar, Associate Professor, Dept. of Environmental Science, Sri Venkateswara University, Tirupati	RSCT	110
9	17-03-2024	3D Printing	Shri Sudipto Saha, Curator, RSC Tirupati	SVU Engineering College	150

RSC P CALICUT

Sl. No.	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	11-05-2023	Innovative Technologies for Science Museums	Shri. Binoy K Dubey, PC, RSCPC	RSCPC	90
2	05-06-2023	Beat Plastic Pollution	Smt Shabna Kushe Sekhar, Environment Engineer, Kerala State Pollution Control board	RSCPC	160
3	08-06-2023	The Ocean of Life	Dr. Sreeraj, Scientist Zoological Survey of India	RSCPC	105
4	21-06-2023	Stress management through Yoga	Shri.K. Madhu, Patanjali Yoga Research Centre Calicut	RSCPC	55
5	20-07-2023	Moon	Dr. K Jayaram, Scientist Rtd ISRO Bangalore	RSCPC	100
6	12-08-2023	E for ELEPHANT, Understanding the Gentle Giants	Shri. Vijaykumar Blathur (Naturalist & Science Communicator)	RSCPC	25
7	20-08-2023	Small Bite, Big Threat	Shri.Sreehari O.K. Mentor, Innovation Hub, RSCPC	RSCPC	80
8	22-12-2023	Mathematical Beauty	1.Dr. A K Vijayanjan, Director, Kerala School of Mathematics	RSCPC	125

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

			2.Smt. Jayashree Pradeep, Professor, Department of Mathematics and Applied Science, KMCT College of Engineering for Women, Kozhikode.		
9	28-02-2024	'Indigenous Technologies for Viksit Bharat'	Dr. P.S. Harikumar, Retired Chief Scientist, CWRDM, Kozhikode	RSCPC	100

DSC GULBARGA

Sl.No.	Date	Topic	Name of the Speaker	Venue	Audience
1.	05.06.2023	'Solutions to Plastic Pollution # beat Plastic Pollution'	Dr. Amaresh Biradar, Senior Consultant, Plastic & Reconstructive Microsurgeon, Basaveshwar Hospital, Kalaburagi	DSCG	148
2.	05.06.2023	'Plastic free World'	Shri S.K.Inganakal, Asst. Professor, PDA Engineering College, Kalaburagi	DSCG	142
3.	11.10.2023	'Our time is now – Our Rights, Our Future'	Mrs. Pallavi Srinath Mukka, President, Inner Wheel Club of Gulbarga Sun City, Kalaburagi	DSC G	82
4.	11.10.2023	'Fundamental rights of a girl child'	Mrs. Trupti Shah, Former President, Inner Wheel Club of Gulbarga Sun City, Kalaburagi	DSC G	128
5.	31.10.2023	'Plastic waste management& handling rules'	Shri Adam Patil, AEO, KSPCB, RO, Kalaburagi	DSC G	98
6.	03.11.2023	"Say no to corruption; commit to the Nation"	Shri.Manjunath K Gangal, Deputy Superintendent of Police, Karnataka Lokayukta, Kalaburagi	DSC G	102
7.	10.11.2023	" An overview of Biochemistry"	Dr. Anand S Nayak, Associate Professor, Dept of Biochemistry, Gulbarga University	DSC G	121
8.	30.01.2024	'Indian Space programme and Remote Sensing'	Dr. P. Srinivasa Reddy, Scientist, NRSC-ISRO, Hyderabad	DSC G	78

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

9.	08.02.2024	'Role of Teaching Aids for Effective teaching & learning process'	Shri G. M. VijayaKumar Jamkandi, Block Education Officer, Gulbarga	DSC G	147
10.	28.02.2024	'Indigenous technologies for Viksit Bharat'	Kumari. Sudharani S. Attur, Principal, Govt. Tool Room & Training centre, Kalaburagi	DSC G	130
11.	08.03.2024	'Women's Health: Navigating Challenges, Embracing Empowerment'	Dr. Nirmala Kelmani, Professor, Dept. of Dravyaguna Shastra, Shri Hingulambika Ayurvedic Medical College Hospital & Research Centre, Kalaburagi	DSC G	137
12.	08.03.2024	'Mastering Social Media, A Guide to safe & Responsible Usage'	Shri. Ambrish Patil, Cyber Crime Special Police, Kalaburagi City	DSC G	137
13.	22.03.2024	'The Science of Water purification'	Shri. Neelesh Marathe, Assistant Engineer, Karnataka Urban Water Supply & Drainage Board, Kalaburagi	DSC G	161

DSC, TIRUNELVELI

SL NO	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIEN CE
1	01.04.2023	Cyber Crime Awareness	Shri Muthukumar, Inspector of Police, Cyber Crime Police Station, Tirunelveli City	DSC-T	35
2	18.05.2023	A History of Viruses	Dr Vaithi Arumugasami, Scientist, Geffen School of Medicine, University of California, Los Angeles, U S A	DSC-T	162
3	21.05.2023	Moth – an Introduction	Shri Thalavaipandi, Research Associate, ATREE Manimutaru	DSC-T	64
4	05.06.2023	Beat the Plastic Pollution	Shri Jegajothi, Secretary, Pasumai Iyakkam, Kovilpatti	DSC-T	58
5	11.07.2023	Translating the Burden of Population into Potential for Progress	Dr R Sasikumar, Asst. Professor, Dept. of Statistics, Manonmaniam Sundaranar University, Tirunelveli	DSC-T	78
6	28.07.2023	Achieving Sustainable Development Goals	Dr Kombaiya, Professor, Dept. of Zoology, PMT College of Arts & Science, Melaneelithanallur, Tenkasi District	DSC-T	76

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

7	28.07.2023	Conserve Nature, Conserve Life	Dr G S Vijayalakshmi, District Environmental Coordinator, National Green Corps, Tenkasi	DSC-T	76
8	28.07.2023	Mission LiFE (Lifestyle for Environment)	Dr Selvin Samuel, District Environmental Coordinator, National Green Corps, Tirunelveli	DSC-T	76
9	23.08.2023	Chandrayaan-3	Shri S M Kumar, DSO, DSC-T	DSC-T	148
10	14.12.2023	Save Energy, Sustain Life'	Dr S Rajakumar, Head, Dept. of Mechanical Engineering, Anna University Regional Campus Tirunelveli	DSC-T	98

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Popular talk on 'Exploring the nature in our backyard' on 5th June 2023 by Dr. R. Ganesan, Senior Fellow, S M Seghul Foundation Centre for Biodiversity & Conservation. (ATREE). Bengaluru



Popular talk on "The Evolution of Animal Form" on 12th February 2024 by Dr. Ramray Bhat, Associated Professor, Dept. of Bio Engineering, Indian Institute of Science, Bangalore.



Popular talk on 'What is NANO and Why should you care' was organised on 14th March 2024 by Prof. Aveek Bid, Department of Physics, Indian Institute of Science, Bangalore



Popular talk on 'Beat Plastic Pollution on 5th June 2023 by Smt. Shabna Kushe Sekhar, Environment Engineer, Kerala State Pollution Control board at RSCPC



Popular Science Lecture by Dr.Amit Kumar Patra, Director, National Atmospheric Research Laboratory, Gadanki on the topic 'Landing on moon: Thriving Curiosity, Challenges & Opportunities' at RSC, Tirupati on 17thJuly, 2023

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Popular talk on 'fundamental rights of a Girl Child by Mrs. Trupti Shah, Former President, Inner Wheel Club of Gulbarga Sun City, Kalaburagi during the celebration of International day for the Girl child at DSC G.



Popular talk on 'Translating the Burden of Population into Potential for Progress' by Dr R Sasikumar, Asst. Professor, Dept. of Statistics, Manonmaniam Sundaranar University, Tirunelveli during the celebration of World Population day at DSC T.

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**ANNEXURE – 4****CREATIVE ABILITY CENTRE:****VITM, BANGALORE****LIST OF PROJECTS COMPLETED IN VACATION CAC:****PHYSICS:**

Sl. No	Name of the Experiments
1	Static Electricity
2	DC Motor
3	Electric Bell
4	Application of Bimetallic Strip
5	Generator
6	Resonance
7	Sound Generator

8	Persistence of Vision
9	Image formation
10	Activity to find g by simple pendulum
11	Pitch and LC of a Vernier caliper
12	Static Electricity
13	DC Motor

Electronics

Sl. No	Name of the Projects
1	Multi tone Musical bell
2	Disco Light
3	Optical Switch

Arduino

1. IR Sensor based Automatic Water tap controller
2. Android App based robotic vehicle control using blue tooth communication
3. US Sensor based distance measurement & LCD Display
4. Water level Indicator
5. Temperature, Humidity measurement & LCD Display
6. Android app based home automation using BT Communication.

Chemistry

Sl.No	Name of the Projects
1	Identification of kitchen acidic substances by natural indicators
2	Identification of kitchen basic substances by natural indicators
3	Identification of lab acids by acid-base indicators
4	Identification of lab bases by acid-base indicators
5	Identification of unknown nature of the given solution (Acid / Base)
6	Identification of Acids & Base with Universal Indicator
7	Elephant paste – Hydrogen peroxide with potassium permanganate
8	Blue bottle Experiment – Redox reaction D Glucose with

	Methylene blue
9	Dehydration & Rehydration of CuSO ₄ salt
10	Chemical Traffic Signal
11	Sunrise & Sunset Experiment
12	Pop Sound Experiment – production of hydrogen by zinc with HCl
13	Chemical Volcano
14	Sodium metal in water
15	Precipitation reaction
16	Magnesium Burning
17	Test for Glucose
18	Electrolysis
19	Egg Experiment
20	Endothermic Reaction- Ammonium chloride in water

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

21	Exothermic Reaction – dissolving acid and bases in water
22	Neutralization Reaction – NaOH & HCl
23	$\text{NH}_4 + \text{HCl} \rightarrow$ Combination reaction
24	CO_2 Production by Vinegar with Baking soda

25	Dancing ball
26	Test for Starch
27	Test for Tannic acid (tea)
28	Ferrous to Ferric Experiment
29	Glycerine & KMnO_4
30	burning of Sulphur in air

RSC, TIRUPATI

Sl. No	Name of the Projects	Sl. No	Name of the Projects
Physics			
1	Simple Pendulum	5	Gravity & Friction Activity
2	Resonance Activity	6	Newton Laws of Motion
3	Centre of Mass		
4	Newton Colour Disc		
Chemistry			
1	Acid and Base Testing	5	Decomposition Reaction
2	Exothermic & Endothermic Reaction	6	Preparation of Detergent
3	Combustion & Combination Reaction	7	Preparation of Soap
4	Displacement Reaction	8	Crystallization & Sublimation
Bioscience			
1	Onion Peel Experiment (Plant Cell)	5	Salivary Amylase Test
2	Stomata & Gas exchange Experiment	6	Extraction of DNA
3	Buccal Cavity Experiment (Animal Cell)	7	Study of Blood and Blood Grouping
4	Leaf Disc Experiment	8	Study of Mosquito
Robotics			
1	Introduction to Part of Robotics	5	Puppy Robot
2	Construction of Basic Robot	6	Line Follower
3	Programming with Software	7	Soccer Bots
4	Sensor Assembling		
Electronics			
1	Introduction to Electronic Components	5	LDR Circuit
2	Parallel and Series Connections	6	Diode Circuit
3	Parallel and Series Resistor Circuit	7	555 IC Circuit
4	Capacitor Buzzer Circuit	8	Transistor Circuit
Astronomy			
1	Shadow Play	5	Telescope Making
2	Sun Dial	6	Sky Chart

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

3	Sky Rulers	7	Cross Staff
4	Eratosthenes Experiment		
Cellular Symphony			
1	Onion Peel Experiment (Plant Cell)	5	Isolation of DNA
2	Buccal Cavity Experiment (Animal Cell)	6	Isolation of Nucleus
3	Isolation of Mitochondria from Liver	7	
4	Isolation of Chloroplast from Spinach	8	

RSCT – LIST OF PROJECTS COMPLETED IN MUSEUM CAC**RSC P Calicut**

Sl. No	Name of the Projects
1	
2	

DSC-G – LIST OF PROJECTS COMPLETED IN Vacation Hobby Courses

Sl. No	Name of the Projects
1	Electromagnet
2	Simple Motor
3	Floating Magnets
4	Static Electricity
5	Newton Disc & Floating ball
6	Wave Motion
7	Sympathetic Oscillation
8	Transfer of Momentum
9	DNA Model & Meiosis Cell division
10	Mirror Images
11	Variable Pendulum
12	Cartesian diver
13	Pressure fountain
14	Centrifugal force
15	Smoke cannon

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC-T – LIST OF PROJECTS COMPLETED IN Vacation Hobby Courses

Sl. No	Name of the Projects
1	Sound based Street Light
2	Piano
3	Touch sensed Timer
4	Tensegrity
5	Flexagon
6	Density Variation
7	Magnetic Levitation
8	Static Electricity
9	DNA Model
10	Mitosis
11	Genetic Band
12	Star Chart
13	Sun Dial
14	Solar System – Ball Model
15	Sextant
16	Distance between Sun & Earth Model

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

ANNEXURE – 5

COMMEMORATIVE PROGRAMMES:

The following commemorative events were organised by arranging Open house Quiz, Sit and draw competitions, Model Presentation contest, Treasure Hunt contest, Elocution contest, Seminar, Science Shows and Video/Film shows, etc.

VITM, BANGALORE

SI No	Name of the Programmes	Date
1	46 th foundation Day of NCSM	04-04-2023
2	National Technology Day	11-05-2023
3	International Museum Day	18-05-2023
4	World Environment Day	05-06-2023
5	International Day of Yoga	21-06-2023
6	World Population Day	11-07-2023
7	58 th Anniversary Week of VITM	21-27/07-2023
8	Independence Day Celebration	15-08-2023
9	National Engineer's Day	15-09-2023
10	World Ozone Day	16-09-2023
11	International Day of Sign Languages	22-09-2023
12	International Day of Scientific Culture	28-09-2023
13	World Space week	4-10/10-2023
14	International Science Centre and Science Museum Day	10-11-2023
15	Children Day	14-11-2023
16	National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan)	22-12-2023
17	Birth Anniversary of Benjamin Franklin	17-01-2024
18	The Birth Anniversary of D Mendeleev	08-02-2024
19	International Day for Girls and Womens in Science	11-02-2024
20	Birth Anniversary of Charles Darwin	12-02-2024
21	National Science Week	23-28/02-2024
22	International Womens Day	08-03-2024
23	World Water Day	22-03-2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

RSC, TIRUPATI

SI No	Name of the Programmes	Date
1	NCSM Foundation Day	04-04-2023
2	National Technology Day	11-05-2023
3	International Museum Day	18 to 20-05-2023
4	Father's Day	11 to 18-06-2023
5	Space Week	17 to 23-07-2023
6	Independence Day	12 to 15-08-2023
7	Engineers Day	15-09-2023
8	30 th Anniversary Week	23 To 27-09-2023
10	DR. A.P.J. Abdul Kalam Birth Anniversary	15-10-2023
11	International Science Centre & Science Museum Day	10-11-2023
12	Children's Day Celebration	14-11-2023
13	National Mathematics Day	22-12-2023
14	Republic Day Celebration	26-01-2024
15	National Science Day	28-02-2024

RSC P Calicut

SI No	Name Of The Programmes	Date
1	National Technology Day	11-05-2023
2	InternationalMuseum Day	18-05-2023
3	World Environment Day	05-06-2023
4	World Ocean Day	08-06-2023
5	International Day of Yoga	21-06-2023
6	International Moon Day	20- 26/07- 2023
7	World Elephant Day	12-08-2023
8	World Mosquito Day	20-08-2023
9	International Day of Scientific Culture	28-09- 2023.
10	Space Week Celebration	4 to9/10- 2023.
11	Vigilance Awareness Week	30-10 to 5-11- 2023
12	Children's Day	14-11- 2023
13	International Day of Persons With Disabilities	03-12- 2023.
14	National Mathematics Day	22 -12- 2023.
15	National Science Day	28-02- 2024
16	International Women's Day	08-03-2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**DSC, GULBARGA**

Sl. No.	Name of the Programme	Date
1	World Health Day	07.04.2023
2	World Earth Day	22.04.2023
3	National Technology Day	11.05.2023
4	International Museum Day	18.05.2023
5	World Environment Day	05.06.2023
6	International Day of Yoga	21.06.2023
7	World Population Day	11.07.2023
8	Hiroshima day	06.08.2023
9	Independence Day	15.08.2023
10	Engineer's day	15.09.2023
11	World Ozone Day,	16.09.2023
12	Swachhta Pakhwada	16.09.2023 to 30.09.2023
13	Hindi Pakwada	14.09.2023 to 30.09.2023
14	International day of scientific culture	28.09.2023
15	Swachhata hi seva campaign 3.0	01.10.2023 to 31.10.2023
16	World Space Week	09.10.2023 to 10.10.2023
17	International day for the Girl child	11.10.2023
18	Vigilance awareness week	30.10.2023 to 03.11.2023
19	International Science Center and Science Museum Day	10.11.2023
20	Children's day	14.11.2023
21	National Energy conservation day	14.12.2023
22	National Mathematics Day	22.12.2023
23	40th Anniversary week of DSCG	06.01.2024 to 10.01.2024
24	National Science Day	28.02.2024
25	International Women's Day	08.03.2024
26	Birth anniversary of the great Scientist Albert Einstein	14.03.2024
27	World Water Day	22.03.2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC, TIRUNELVELI

SI No	Name of the Programmes	Date
1.	NCSM Foundation Day	04-04-2023
2.	Zero Shadow Day	12-04-2023
3.	Swachhata Pakhwada 2023	16 to 30-04-2023
4.	World Earth Day	22-04-2023
5.	National Technology Day	11-05-2023
6.	International Museum Day	18-05-2023
7.	International Day of Biological Diversity	22-05-2023
8.	World Environment Day	05-06-2023
9.	World Day Against Child Labour	12-06-2023
10.	International Day of Yoga	21-06-2023
11.	World Population Day	11-07-2023
12.	World Nature Conservation Day	28-07-2023
13.	India's Independence Day	15-08-2023
14.	National Engineers' Day	15-09-2023
15.	World Ozone Day	16-09-2023
16.	International Day of Scientific Culture	28-09-2023
17.	World Space Week	04 to 10-10-2023
18.	World Sight Day	12-10-2023
19.	Vigilance Awareness Week	30-10-2023 to 05-11-2023
20.	International Science Centre & Science Museums Day	10-11-2023
21.	Children's Day	14-11-2023
22.	National Energy Conservation Day	14-12-2023
23.	DSC-T Anniversary Day	27-02-2024
24.	National Science Day	28-02-2024
25.	International Women's Day	08-03-2024
26.	World Water Day	22-03-2024

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Artefact Demonstration during International Museum Day on 18th May 2023 at VITM



Water Rocket Launching Demonstration during International Space week on 6th October 2023 at VITM



Water Rocket launch Demonstration at RSC, T on 14th November 2023 during Children's Day Celebration



Elocution Contest on the topic 'India: Vision 2047' at RSC, T on 17th September 2023 during Engineer's Day celebration



Science Vs Miracles show during International Day of Scientific Culture on 28th September 2023 at RSCP C



Water Rocket Modeling Workshop during World Space Week in October 2023 at RSCP C

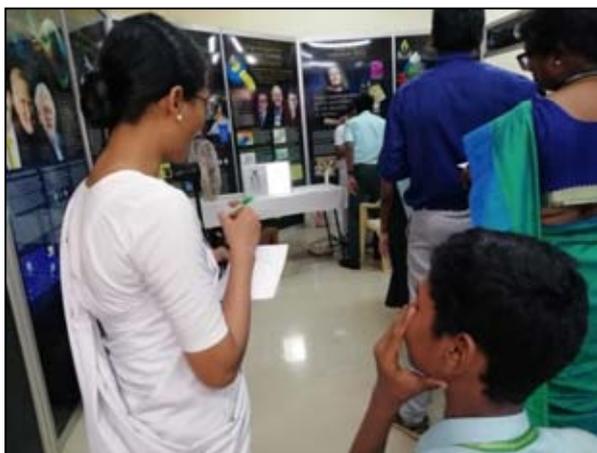
ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



One-man drama show on 'I am the Albert Einstein' during the celebration by Shri. Shankarayya R Ghanti, President, JANARANGA, Kalaburagi on Engineer's Day on 15th September 2023 at DSC G.



Workshop on Mathematics by Prof. (Rtd) Madhukar Mashalkar, Dept. of Mathematics, Govt. Independent College, during the celebration of National Mathematics Day on 22nd December 2023 at DSC G.



Eye testing Camp held during World Sight Day on 12th October 2023 at DSC T



Live demo held during Zero Shadow Day on 12th April 2024 at DSC T

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

ANNEXURE – 6

COLLABORATIVE PROGRAMMES

The following events were held by organising Open house Quiz, Sit and draw competitions, Treasure Hunt contest, Elocution contest, Seminar, Science Shows, Video/Film shows, Science fairs, interactive sessions with scientists, Drama competitions and temporary exhibitions etc both online and offline.

VITM, BANGALORE

SI No	Name of the Programmes	Collaborator
1	Opening of new exhibit: Full Scale Replica of Mars Rover OPPORTUNITY	United States Consulate General Chennai
2	HEART for EARTH Festival	The Echo Network.
3	VITM MSE: As part of Azadi Ka Amrit Mahotsav programme	ISRO, Bangalore
4	Anu Awareness Yatra (on the occasion of Azadi ka Amrit Mahotsav,	Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam
5	National Engineer's Day	CII Indian Women Network
6	Pondicherry State level Science Seminar on the topic 'Millets – a Super food or a diet fad'	Directorate of School Education, Puducherry.
7	Telangana State level Science Seminar on the topic 'Millets-A Super Food or a diet fad?'	SCERT, Govt. of Telangana
8	Andhra Pradesh State level Science Seminar on the topic 'Millets-A Super Food or a diet fad?'	SCERT, Govt. of Andhra Pradesh.
10	Kerala State level Science Seminar on the topic 'Millets-A Super Food or a diet fad?'	Department of General Education, Govt. of Kerala.
11	Karnataka State level Science Seminar on the topic 'Millets-A Super Food or a diet fad?'	Department of School Education, Govt. of Karnataka.
12	Southern India Science Drama Festival 2023 (SISDF 2023)	Education Departments of Southern States
13	'Reach for the Stars – A Conversation with NASA & ISRO'	Office of US Consulate General, Chennai.
14	Science Film festival	Goethe Institute in partnership with United Nations Environment Programme (UNEP).
15	The Southern India Science Fair (SISF- 2024)	Education Departments of Southern States

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

RSC, TIRUPATI

SI No	Name of the Programmes	Collaborator
1	Earth Day 2023	Andhra Pradesh Pollution Control Board, Regional Office Tirupati.
2	Astro Night Sky Tourism 2023	Chandragiri Fort, Archaeological Survey Of India, Amaravathi Circle
3	Nature Camp 2023	Early Bird, Rain Matter Foundation.
4	Father's Day 2023	Andhra Pradesh Pollution Control Board, Regional Office, Tirupati
5	International Day Of Yoga 2023	Junior Chamber International, Tirupati And Yoga Association Of Chittoor District, Tirupati
6	Space Week 2023	National Atmospheric Research Laboratory, Gadanki.
7	Independence Day 2023	Way Foundation, Tirupati
8	Our Green Future Plantation Programme	Junior Chamber International, Tirupati
9	World Ozone Day 2023	Andhra Pradesh Pollution Control Board, Regional Office Tirupati, Andhra Pradesh National Green Corps, Tirupati District
10	Swachhata Divas 2023	Way Foundation, Tirupati
11	Children's Science Festival 2023	Tirupati Balotsavam
14	World Soil Day 2023	Way Foundation, Tirupati Save Soil Organisation, Tirupati
15	Earth Calling Programme 2024	Green Tribe, Tirupati
16	Annual Inter-school Team-wise Science Contest 2024	Rotary Club, Tirupati
17	Campus Bird Count 2024	A Citizen Science Initiative Of Indian Institute Of Science Education & Research, Tirupati
18	Robotrac Contest 2024	The Indian Science Congress Association, Tirupati
19	World Sparrow Day	Sri Venkateswara Zoological Park

RSC P Calicut

SI No	Name of the Programmes	Collaborator
1	Get-together of Blood patients	Blood Patients Protection Council of Kerala
2	World Environment Day	Kerala State Pollution Control Board
3	Happiness Painting Camp	Sravaanika Amalgamation of Arts
4	National Science Day	Calicut Chemistry Collective
5	Cultural Exchange Programme "Nagamu Airamu"	Kozhikode Corporation

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

DSC, GULBARGA

SI No	Name of the Programmes	Collaborator
1	World Environment Day	Karnataka Pollution State Control Board, Regional Office, Kalaburagi
2	Engineer's day	--do--
3	World Ozone Day	--do--
4	District level Science Seminar	District Institution for Education and Training (DIET), Kamalapur
5	District level Science Drama	--do--
6	International day for the Girl child	The Inner wheel Club of Gulbarga Sun city, Kalaburagi
7	The best practices on 'Ban of single use plastics & Plastic waste management'	Karnataka State Pollution Control Board, Regional office, Kalaburagi
8	District level Science Fair	District Institution for Education and Training (DIET), Kamalapur
9	National Energy conservation day	The Inner wheel Club of Gulbarga Sun city, Kalaburagi

DSC, TIRUNELVELI

SI No	Name of the Programme	Collaborator
1	Interactive lecture on 'Cyber Crime Awareness'	Tirunelveli City Cyber Crime Police Station, Tamilnadu Police Department
2	Regional level one-day Workshop on STEM	Samagra Shiksha, Tirunelveli, Department of Integrated School Education, Govt. of Tamilnadu
3	Tamirabharani Wetland Bird Count Orientation Programme	ATREE's Agasthyamalai Community Conservation Centre, Manimutharu, Tirunelveli District
4	'Nature Walk' at DSC-T for General public	--do--
5	Awareness Graffiti Art on 'Restore our Environment & Tamirabharani Species'	--do--
6	Awareness signature campaign for World Day Against Child Labour	Labour Welfare & Skill Development Department, Tirunelveli
7	Workshop on 'Emerging Technologies'	Entudio Pvt Ltd, Tirunelveli
8	Workshop on 'Decoding Epigraphy'	Historical Heritage Field Research Centre (HFRC), Tirunelveli
9	Workshop on '3D Printing Technologies'	Entudio Pvt Ltd, Tirunelveli

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

10	World Space Week 2023 celebrations contests Like Quiz, Elocution & Drawing	Liquid Propulsion complex IPRC, ISRO, Mahendragiri, Tirunelveli District
11	World Sight Day 2023 Programme like Exhibition & Quiz Contests	Aravind Eye Hospital, Tirunelveli
12	Mullai Festival Drawing contests	ATREE's Agasthyamalai Community Conservation Centre, Manimutharu, Tirunelveli District

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Exhibition Heart for Earth held on 27th July 2023 during 58th Anniversary of VITM in collaboration with Eco Network



Exhibition during Southern India Science Fair held at Vijayawada in January 2024 in collaboration with SCERT, Hyderabad, Govt. of Andhra Pradesh.



Robotrac Contest 2024a Unique Line follow Robotic Contest at RSC, Ton17th & 18th February 2024 in collaboration with the Indian Science Congress Association, Tirupati.



A Nature Art Workshop on Sparrow held during World Sparrow Day observation by RSC, T on 20th March 2023 in collaboration with Sri Venkateswara Zoological Park, Tirupati at SV Zoological Park, Tirupati.



Get-together of Blood patients on 28th May 2023 at RSCP Calicut in association with Blood Protection Council, Kerala



SDL for the students of Alhind Tours and Travels organised in association with Alhind Academy on 27th September 2023 on World Tourism Day

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24



Demonstration on “Effective ways to save LPG gas at home by Mrs. Naina Navin Sethia, Manager, Shreyans Indane Gas Agency, Kalaburagi during the observation of National Energy conservation day on 14th December 2023 in collaboration with The Inner wheel Club of Gulbarga Sun city, Kalaburagi.



Students demonstrating about their project during the District level science fair on 20th November 2023 in association with DIET



Participants in the Workshop on ‘Emerging Technologies’ organised by DSC T in collaboration with Entudio Pvt Ltd, Tirunelveli



Participants in the Drawing Contest organised during Child Labour Eradication Awareness Programme organised by DSC T in collaboration with Labour Welfare & Skill Development Department, Tirunelveli

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**ANNEXURE – 7****LIST OF EXECUTIVE COMMITTEE MEMBERS OF VITM**

1.	Dr. B. Venkatraman Director Indira Gandhi Centre for Atomic Research (IGCAR) CISF Road, Kalpakkam Tamilnadu - 603102	Chairman
2.	Dr. M.P.Shyam President RashtreeyaSikshanaSamithi Trust, RV Educational Institutions Bangalore	Member
3.	Prof. AnnapurniSubramaniam Director Indian Institute of Astrophysics, II Block, Kormangala, Bengaluru- 560034	Member
4.	Shri Hanumantha Rayappa Director SATCOM Programme Office Indian Space Research Organisation HQ. Department of Space, Government of India AntarikshBhavan, New B.E.L. Road, Bengaluru -560 094	Member
5.	Dr. Sharmistha Banerjee Professor Department of Biochemistry University of Hyderabad Hyderabad- 500046	Member
6.	Ms. JahnviPhalkey Founding Director Science Gallery Survey No.151, Shivkote, HasaraghattaHobli, Bengaluru -560089	Member
7.	Joint Secretary Higher EducationDept.(Technical education & Planning) Govt. of Karnataka 6 th Floor, MS Building Bengaluru – 560 001	Ex-officio Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

8	Shri K. SajooBhaskaran Director Visvesvaraya Industrial & Technological Museum Kasturba Road Bengaluru – 560001	Ex-officio Member
9	Shri Cyril K. Babu Curator 'E' Visvesvaraya Industrial & Technological Museum Kasturba Road Bengaluru – 560001	Ex-officio Member
10	Project Co-ordinator Regional Science Centre & Planetarium Near Jaffer Khan Colony, Planetarium Road Calicut-673006	Ex-officio Member
11	Financial Adviser Ministry of Culture Govt. of India, ShastriBhavan New Delhi - 110001	Ex-officio Member
12	Shri A.B.Basavaraju , Director(Technical) Department of Science &Technology Ex-Officio MD-KSTePS Govt. of Karnataka Bengaluru-560001	Ex-officio Member
13	Director General, NCSM National Council of Science Museums Block-GN, Sector-V, Bidhan Nagar Kolkata-700 091	Ex-officio Member
14	Shri Saibal Bose Controller of Administration Visvesvaraya Industrial & Technological Museum Kasturba Road Bengaluru – 560001	Non-Member Secretary

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

LIST OF PLANNING AND PROGRAMME COMMITTEE (PPC) MEMBERS OF VITM, BANGALORE

1.	Prof. Annapurni Subramaniam Director Indian Institute of Astrophysics, II Block, Kormangala, Bengaluru- 560034	Chairman
2.	Dr. P. V. Shivaprasad Associate Professor, Associate Dean of Faculty National Centre for Biological Sciences (NCBS) Tata Institute of Fundamental Research (TIFR), Bangalore, India	Member
3.	Dr. P.S. Anil Kumar Associate Professor Centre for Nano Science and Engineering (CeNSE), Indian Institute of Science Bangalore- 560012	Member
4.	Dr. Parameswaran Ajith Faculty Gravitational-Wave Physics and Astrophysics International Centre for Theoretical Sciences, Bengaluru– 560089	Member
5.	Shri L. Ramakrishna Chief Scientist Central Research Laboratory Bharat Electronics Limited Outer Ring Road, Nagavara, Bangalore - 560 045	Member
6.	Dr. Tirtha Pratim Das Director Science Programme Office ISRO Head quarters, Antariksh Bhavan, New BEL Road Bangalore - 560094	Member
7.	Dr S. Soundararaja Perumal Executive Director Tamilnadu Science and Technology Centre Gandhi Mandapam Road Chennai—600025	Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

8.	Ms. Kavitha K Principal Army Public School Kamraj Road Bangalore – 560042	Member
9.	Nominee of Director General National Council of Science Museums Sector V, Block – GN, Bidhan Nagar Kolkata- 700091	Member
10.	Shri K. Sajoo Bhaskaran Director Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member
11.	Smt Jyoti Mehra Curator 'D' Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member
12.	Shri Cyril K Babu Curator 'E' Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member Secretary

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**LOCAL ADVISORY COMMITTEE
REGIONAL SCIENCE CENTRE, TIRUPATI.**

1	Prof. K Raja Reddy The Vice Chancellor, S.V. University, TIRUPATI – 517 502	Chairman
2	Prof. K. N. Ganesh, Director & Professor Indian Institute of Science Education & Research (IISER), Tirupati – 517 507	Member
3	Dr. C. Pulla Rao, Professor Indian Institute of Technology Renigunta Road, Settipalli Post Tirupati - 517 506	Member
4	Dr. Alladi Mohan,Dean, Dept. of General Medicine, Sri Venkateswara Institute of Medical Sciences (SVIMS) University,Alipiri Road TIRUPATI-517501	Member
5	Dr. A K Patra The Director National Atmospheric Research Laboratory Department of Space Govt. of India GADANKI – 517 112 Pakala Mandal	Member
6	Dr Y Aparna The Member Secretary, APCOST Bhavanipuram, Vijayawada. 520 012 Andhra Pradesh	Member
7	The District Educational Officer Office of the D.E.O District Educational Office, Block-A, 3rd Floor, Tirupati Zilla Collector Bhavan, PadmavathiNilayam, Tiruchanur, Tirupathi – 517503	Member
8	Smt . S. Lakshmi Secretary, Tirupati Urban Development Authority (TUDA)	Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	TUDA Building, Near Municipal Office, TIRUPATI-517501	
9	Shri. K.V.Ravi Kumar Dean, Amara Raja Skill Development Centre, Karakambadi post, TIRUPATI-517506	Member
10	Shri. K.S. Vasu Director, Komandur Group of School TIRUPATI-517501	Member
11	Smt. K.A. Sadhana Director Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member
12	Shri. K.Srinivasa Nehru Project Coordinator Regional Science Centre Near Alipiri Gate TIRUPATI – 517 507	MemberSecretary

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

LOCAL ADVISORY COMMITTEE

REGIONAL SCIENCE CENTRE & PLANETARIUM CALICUT.

1	Dr. Prasad Krishna Director National Institute of Technology Calicut NIT Campus Post, Chathamangalam Via Calicut – 673 601	Chairman
2	Dr. C D Ravikumar Professor & Head Department of Physics University of Calicut, Thenhipallam PO Malappuram – 673635	Member
3	Dr. Hegde Principal Scientist Zoological Survey of India Western Ghat Field Research Centre (WGRC), Jaffer Khan Colony Road, Calicut – 673 006	Member
4	Dr Homey Cheriyan Director Directorate of Arecanut & Spices Development Govt. of India, Ministry of Agriculture Department of Agriculture and Co-operation, West Hill, Calicut – 673 005	Member
5	Deputy Director of Education Office of the Directorate of Education Mananchira, Calicut – 673 001	Member
6	Shri. Firoz Khan President Press Club Calicut	Member
7	Dr. Jayaraj National Institute of Electronics & Information Technology (A centre of NIELIT, New Delhi) P.B. No: 5, NIT Campus Post Calicut – 673 601	Member
8	Dr. K P Aravindan Member Central Committee Kerala Shastra Sahitya Parishat Calicut – 673 002	Member
9	Shri Sheeju Chandran M Engr 'G' Group Head TDMG, Vikram Sarabai Space Centre, Trivandrum	Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

10	Shri. Anupam Das Associate Professor Humanities and Liberal Arts in Management Indian Institute of Management Kozhikode	Member
11	Smt. K Sajoo Bhaskaran Director Visvesvaraya Industrial & Technological Museum Bengaluru – 560 001	Ex-Officio Member
12	Shri. M M K Balaji Curator & Project Co-ordinator Regional Science Centre & Planetarium Calicut	Member Secretary

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24**LOCAL ADVISORY COMMITTEE
DISTRICT SCIENCE CENTRE, GULBARGA**

1.	Deputy Commissioner Mini Vidhana Soudha Kalaburagi	Chairman
2.	Vice Chancellor Central University of Karnataka Kadaganchi, Aland Road Kalaburagi - 585367	Ex- officio Member
3.	Regional Officer KSCST Regional Centre VTU campus, Kalaburagi	Ex- officio Member
4.	Dy. Director PU Board DDP Behind mini Vidhana Soudha Kalaburagi	Ex- officio Member
5.	Dr. Malhar Rao Malle Secretary, St. John's Ambulance Malle Clinic, Darga Road Kalaburagi	Member
6.	Dr. Chandrakant Kelamani Chairman, Dept. of Biotechnology Kalaburagi University, Kalaburagi	Member
7.	Shri Siddeshwarappa Dist. Information officer Dept of Information and Publicity Mini Vidhana Soudha Station Road, Kalaburagi	Ex- officio Member
8.	Dr. Shashikant R Mise Professor & Head Dept. of Environmental Engineering PDA Engg. College, Kalaburagi	Member
9.	Dr.Swarup Ranjan Principal Chandrakanth Patil Eng. medium School, Sedam Road, Kalaburagi	Member
10.	Shri Subhash Kamalapur Managing Partner Suvarna Financier Groups Suvarna Tower, Humnabad Road Kalaburagi -585103	Member
11	Shri K. Sajoo Bhaskaran Director Visvesvaraya Ind. & Tech. Museum Bangalore – 560 001	Ex- officio Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

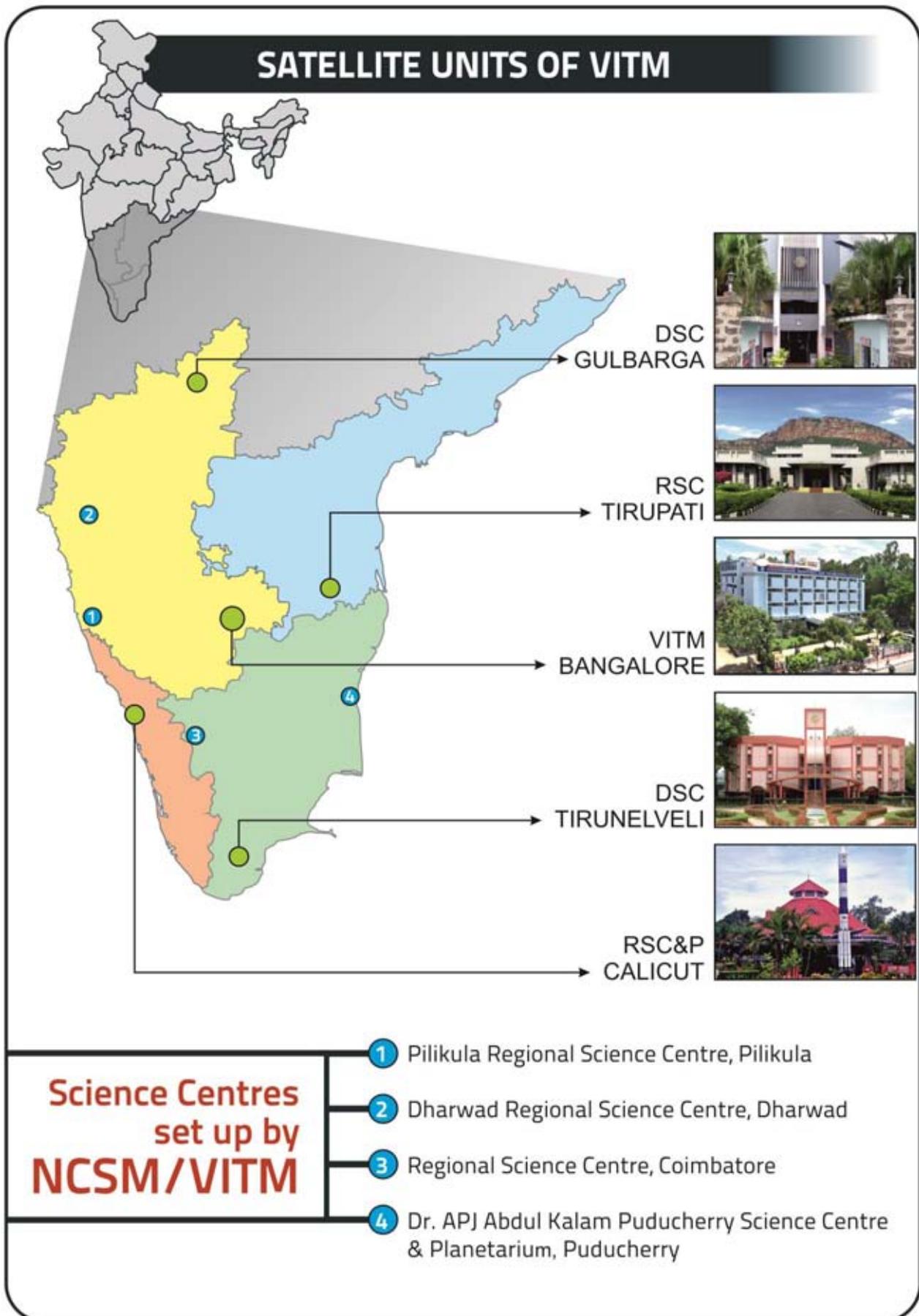
12	Shri K M Sunil District Science Officer District Science Centre, Kalaburagi	Member Secretary
----	---	------------------

LOCAL ADVISORY COMMITTEE**DISTRICT SCIENCE CENTRE, TIRUNELVELI**

SI No	Name of the Members	
1	Dr K P Karthikeyan, IAS District Collector & District Magistrate O/o The District Collector Kokkirakulam Tirunelveli – 627 009	Chairman
2	Dr. N Chandrasekar Vice Chancellor Manonmaniam Sundaranar University Abishekapatti Tirunelveli – 627 012	Member
3	Dr. N Shenbaga Vinayaga Moorthi Dean Anna University - Tirunelveli Regional Campus Kanniyakumari Road, Reddiarpatti Tirunelveli – 627 007	Member
4	Dr. J Asir Packiaraj Director ISRO Propulsion Complex - IPRC Mahendragiri Tirunelveli Dist – 627 133	Member
5	Dr. C P Anil Kumar Professor & Head Equatorial Geophysical Research Laboratory EGRL #6/249, SH 40, Vittalapuram Vilakku Tirunelveli – 627 007	Member
6	Dr. A Sankara Subramanian Principal Sankar Polytechnic College Sankarnagar Tirunelveli – 627 357	Member
7	Dr. Revathi Balan Dean Tirunelveli Medical College Hospital	Member

ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2023-24

	High grounds Tirunelveli – 627 011	
8	Shri Chinnaraju Chief Educational Officer O/o the Chief Educational Officer Adj. Collector Office Campus, Kokkirakulam Tirunelveli – 627 009	Member
9	Smt. J Pupsy Persis Principal Bell Matric Hr Sec School Thiruchendur Road, Kamarajnagar, Palayamkottai Tirunelveli – 627 357	Member
10	Shri Siva Krishnamoorthi, IAS Commissioner Tirunelveli City Municipal Corporation Near Schaffter Higher Secondary School Tirunelveli – 627 004	Member
11	Smt K A Sadhana Director Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member
12	Shri S Muthu Kumar District Science Officer District Science Centre Kokkirakulam, Tirunelveli - 627009	Member Secretary





Ministry of Culture
Government of India



Visvesvaraya Industrial & Technological Museum

A unit of National Council of Science Museums
Ministry of Culture, Government of India

Kasturba Road, Bangalore- 560 001

- RSC, Tirupati
- RSC & P, Calicut
- DSC, Gulbarga
- DSC, Tirunelveli