

# ACTIVITY REPORT

2022-2023



## Visvesvaraya Industrial & Technological Museum

A unit of NCSM  
Ministry of Culture, Government of India



Ministry of Culture  
Government of India



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# ACTIVITY REPORT

2022-2023



Ministry of Culture  
Government of India



## VISVESVARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM

(A unit of NCSM), Ministry of Culture, Govt. of India

Kasturba Road, Bangalore - 560 001

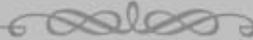
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## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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 of satellite units RSC Tirupati (1993), RSC P Calicut (1997), DSC Gulbarga (1984) and DSC Tirunelveli (1987).

The year 2022-23 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

**Inauguration of Cauvery Gallery** - The River Cauvery - the Lifeline Gallery, designed and developed by VITM (A Unit of NCSM) in collaboration with the National Academy of Sciences India and the Department of Tourism, Government of Karnataka was inaugurated by Shri S. T. Somashekar, Hon'ble Minister for Co-operation and Mysore District in-charge Minister, Government of Karnataka on 17<sup>th</sup> September 2022 at Karnataka Exhibition Authority Campus, Mysuru Karnataka in the presence of Shri Shivkumar, Hon'ble Mayor Mysuru and Shri Mirlle Srinivasa Gowda Chairman Karnataka Exhibition Authority, Mysuru. Smt. K A Sadhana Director VITM took the dignitaries through the galleries. The dignitaries witnessed the 3D documentary on the River Cauvery in 3D Theatre. Around 200 Karnataka State Government Officials, Officials of the National Academy of Sciences and general public were present during this inaugural programme.

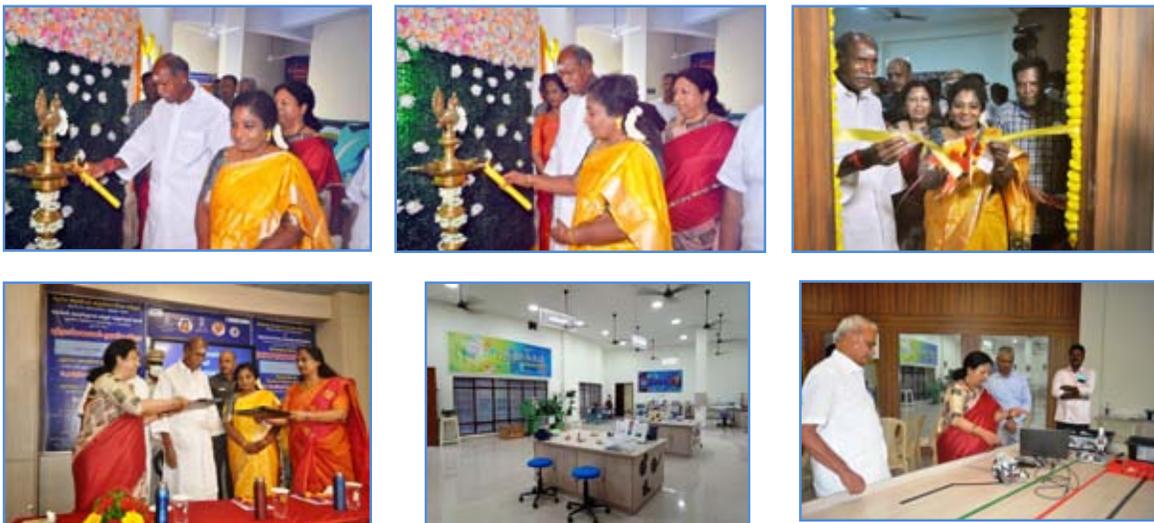


## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 1. Innovation Hub

VITM executed the task of setting up of the Innovation Hub on behalf of NCSM.

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Setting up of **Innovation Hub at RSC, Pilikula, Sub Regional Science Centre, Rajahmundry, Andhra Pradesh** and at **RSC Warangal** are in progress.



Innovation Hub of SRSC Rajahmundry



Innovation Hub at Pilikula



Innovation Hub at SRSC Warangal



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 2. New Science Centres:

VITM continued the task of setting up of the **Science Centres** on behalf of NCSM.

Setting up of **new Sub Regional Science Centre, Rajahmundry** with two Galleries, one temporary exhibition hall, Innovation Hub and a Science park in an area of 5 acres for Andhra Pradesh State Council of Science and Technology (APCOST), Govt. of Andhra Pradesh is in progress.



Sub Regional Science Centre, Rajahmundry



Fun Science Gallery



Water Gallery



Science Park



Temporary Exhibition Hall

### 3. Travelling and Temporary Exhibitions:

- **Seeds of Culture** a temporary Exhibition developed by VITM in collaboration with National Centre for Biological Sciences, Bangalore set up in an area of 300 sq. metres was inaugurated on 27<sup>th</sup> July 2022 by Dr. K. VijayRaghavan, Emeritus Professor, NCBS, Former Principal Scientific Advisor to Govt. of India & Former Director, NCBS, Bangalore in the presence of Prof. Satyajit Mayor, Director, NCBS, Prof. Sitharam T G, Director, IIT Guwahati & Former Chairman EC VITM as guests of honour. Dr. Annamma Spudich, Visiting Professor at NCBS & Formerly Stanford University & University of California, USA joined the event and addressed the gathering virtually. A Medicinal Plan and Spicer Garden developed at the Science part of the museum was also opened on the occasion. The inauguration was followed by an Open house quiz on 'Medicinal Plants' and Valediction & Prize distribution.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



A rare and scholarly exhibition "Seeds of Culture"

- **The Exhibition on 'Nobel Prizes 2022'** was opened on 9<sup>th</sup> December 2022 at the museum. Dr. N S Vidhadhiraja, Professor & Dean, Fellowships and Extensions, Theoretical Physics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru inaugurated the exhibition and delivered an interactive talk on 'Quantum Entanglement and Teleportation. An open house quiz on 'The Nobel Prizes' was also conducted for the audience.



The Exhibition on 'Nobel Prizes 2022'

#### 4. Programs for Children, Divyangs (Specially Abled children)

- a) As part of **International Day of Scientific Culture**, VITM organised on 28<sup>th</sup> September 2022 in collaboration with The University of Trans-Disciplinary Health Sciences and Technology (TDU), Bengaluru,. The Workshop was conducted by Dr. Noorunnisa Begum, Associate Professor, University of Trans-Disciplinary Health Sciences and Technology (TDU), Bengaluru. *38 students from different schools participated which includes 10 students of hearing impaired from Association for People with Disabilities.* The students were given hands on training to make their own Plant specimens and explained about importance of Herbarium and its preservation. The whole workshop process was translated into the sign language by sign language interpreter for Differently abled students.
- b) As part of **Programs for Divyangs (Specially Abled children)** VITM hosted '**Science Signbee**' workshop on 23<sup>rd</sup> September 2022 as part of **International Day of Sign Languages** in collaboration with the Association of People with Disability (APD) Bengaluru. Ms. Shailja. D, Faculty of Industrial Training Course (ITC), APD Bengaluru was the resource person. 20 students and 20 speech & hearing impaired students participated in the workshop.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



'Herbarium Workshop- Create Your Own Plant Specimen'



'Science Signbee' workshop

### 5. Programs for Women & Girls

- a. '**International Day of Women & Girls in Science**' was celebrated at the museum on 10<sup>th</sup> February 2023 by organising an Interactive Talk on 'Cyber Safety in the Digital Era'. Ms. Sailaja Vadlamudi, Senior Director, Security & Privacy, SAP Labs India delivered the talk. The talk was followed by open house quiz on 'Women in Science'.
- b. '**International Women's Day**' was celebrated at the Museum on 8<sup>th</sup> March 2023. As part of the event an interactive popular talk on 'Life in a Microcosm' was organised. Prof. Reene M. Borges, Centre for Ecological Sciences, Indian Institute of Science Bengaluru delivered the talk. The talk was followed by open house quiz on 'Trailblazing Women in History'.



- c. An awareness workshop on '**PoSH** (Prevention of Sexual Harassment) at work place - legal provisions of social implications' was organized at VITM on 27<sup>th</sup> March 2023. Dr. Sarasu E Thomas, Professor of Law, National Law College, Bengaluru and Dr. Bindya Yohannan, Family counselor, Parihar, Bengaluru City Police conducted the workshop in hybrid mode. Staff of VITM and its satellite units participated.

### 6. Workshops & Vacational Hobby Courses

VITM as part of Creative ability programme organised

- Summer Vacation Hobby Courses from 25<sup>th</sup> to 29<sup>th</sup> April 2022 in Chemistry and Electronics.
  - Summer Vacation Hobby Courses from 2<sup>nd</sup> to 6<sup>th</sup> May 2022 in Physics and Mathematics.
  - NOKIA – VITM 5G workshop from 16<sup>th</sup> to 20<sup>th</sup> May 2022.
  - A workshop on 'Hands on Activity on Arduino' from 16<sup>th</sup> to 20<sup>th</sup> May 2022.
  - A workshop on 'Internet of Things in collaboration with NOKIA from 23<sup>rd</sup> to 27<sup>th</sup> May 2022.
- 105 students participated and developed various projects and performed experiments.



Summer Vacation  
Hobby Courses in  
Chemistry and  
Electronics



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



Hands on activity in Arduino



Workshop on 'Internet of Things



NOKIA – VITM 5G workshop



Summer Vacation Hobby Course in mathematics &



Physics

### 7. Science Seminar, Science Drama Festival & Science Fairs

- VITM extended catalytic support in organising the **State level Science Seminar** on the **topic 'Basic Sciences for sustainable development – Challenges and Prospects'** with the Education Departments of Southern States. State Level Science Seminars of **Pondicherry State, Telangana State and Karnataka State** were held in the month of September 2022 at different venues.



Karnataka State



Pondicherry State



Telangana State

- Southern India Science Drama Festival 2022 (SISDF 2022)** was organised at the museum on 1<sup>st</sup> & 2<sup>nd</sup> December 2022. 8 teams from Telangana, Karnataka, Puducherry, and Kerala presented the dramas on the main theme 'Science and Technology for the Benefit of Mankind'. Dr. V Rajaram, Director and Theatre Artist, Karnataka was the Chief Guest and inaugurated the festival on 1<sup>st</sup> December 2022. Prof. Annapurni Subramaniam, Director, Indian Institute of Astrophysics Bengaluru presided. The valediction of the event was held on 2<sup>nd</sup> December 2022. Dr. Nagesh V Bettakote, Vice Chancellor, Karnataka State Dr. Gangubai Hangal Music and Performing Arts University, Mysuru was the Chief Guest and distributed prizes for the winners. A workshop on 'Scripting and Staging Science Drama' was held on 2<sup>nd</sup> December 2022 for the participants of SISDF 2022. The jury members of SISDF conducted the workshop.



Inauguration



Drama by Kerala State



Drama by Karnataka State

### Southern India Science Drama Festival

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

- The museum hosted **National Science Drama Festival 2022-23 (NSDF 2023)** on 5<sup>th</sup> and 6<sup>th</sup> January 2023. The festival was inaugurated today by Smt. Arundathi Nag, Eminent Theatre Artist, Actress and Founder & the Managing Trustee, Ranga Shankara, Bengaluru in the presence of Shri. S Kumar, Deputy Director General, National Council of Science Museums and the panel of Jury Members representing all the five zones of India. A total of 10 teams from North, South, West, East and North East zones of India participated and enacted the dramas on the main theme 'Science & technology for the benefit of mankind'. Large number of school students, teachers from various educational institutions of Bengaluru and general public witnessed the dramas. The valediction and prize distribution of the event was held on 6<sup>th</sup> January 2023. Shri Anirudh Jatkar, Popular Actor, Singer, Writer & Director, Bengaluru was the Chief Guest and delivered the valedictory address and presented the awards & certificates to the winners.



**Inauguration**



**Valediction**



**Maharashtra State Best Actor**



**Kerala State Best Actress**



**Karnataka State Best Director**



**Assam State Best Script Writer**

- The **34<sup>th</sup> Southern India Science Fair** was organised from 27<sup>th</sup> to 31<sup>st</sup> January 2023 in Collaboration with Department of General Education, Govt. of Kerala at Chaldean Syrian Hr.sec. School, Thrissur, Kerala. The Science Fair was inaugurated by Shri. Sivankutty, Hon'ble Minister for General education and Labour, Govt. of Kerala and preside over by Dr. R. Bindhu, Hon'ble Minister for Higher Education and Labour, Govt. of Kerala in the presence of Shri. A. P. M. Mohammed Hanish, Principal Secretary, Department General Education, Govt. of Kerala. 240 participants from 169 schools of southern states exhibited 169 Science Models. About 1,500 students and general public participated in the inaugural programme. About 6,000 students and general public visited the fair on three days. During the fair, MSE on 'Electricity & Magnetism and MSE on 'Space Technology for Human Welfare' (from RSCP Calicut) were also organised for students and general public.



**Inauguration**



**Participants explaining their models**



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 8. Participation in Govt. Initiatives/Programmes.

- As part of **Swachhata Pakhwada**, cleaning campaign museum premises was organized on 16<sup>th</sup> to 29<sup>th</sup> April 2022. In addition a workshop on 'Towards wastage Zero Homes' was organized on 29<sup>th</sup> April 2022. Dr. Jayasheela, ENT Specialist & ECO Warrior, Bangalore conducted the workshop for students and general visitors of the museum. Another event was held in the museum from 16<sup>th</sup> to 30<sup>th</sup> September 2022. As part of the event cleanliness drive in the galleries, workshops, office and in and around the premises of the museum was organised. In addition an interactive talk on Sustainability Eco Friendly Building by Mr. Prashanth Palanisamy, Director – Design, Goodeath Building sustainable Communities was organised for students and general public.



Interactive talk on Sustainability Eco Friendly Building

- A special cleaning drive (**Swachta Special Campaign 2.0**) was held in the museum by staff members from 16<sup>th</sup> and 30<sup>th</sup> October 2022 by organising a campaign for cleanliness drive in & around the museum premises and disposal of pending matters.
- A '**Seminar on 5S Concept**' under Swachata Action Plan was organised on 7<sup>th</sup> Dec. 2022 at the museum in collaboration with Institute of Hotel Management Bengaluru. Dr. D. S. Duke Thavamin, Teaching Faculty, Institute of Hotel Management Bengaluru presented the seminar. An open house quiz on 'Swacchta, Health & Hygiene' was also conducted for the audience.
- '**8<sup>th</sup> International Day of Yoga**' was celebrated at the museum on 21<sup>st</sup> June 2022 with various activities. On Dr. S. N. Omkar, a Renowned Yoga Expert and Chief Research Scientist, Dept. of Aerospace Engineering, Indian Institute of Science, Bengaluru delivered an interactive talk on 'Yoga for Humanity' and conducted 'Practical Yoga Session' for the VITM staff members in the morning. In addition a painting Contest on 'Yoga Postures' for school students, an open house quiz on the topic: Yoga for the students and general public and a film on 'Yoga' was organised.



'Practical Yoga Session – International Day of Yoga

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 9. Participation in programmes for Outreach

- a. **A Science demonstration on 'Electricity & Magnetism'** was organised on 8<sup>th</sup> July 2022 at Indian Academy of Science, Bangalore in RRI Campus for students of Govt. Schools for students and teachers.
- b. **Mobile Science exhibition on 'Electricity & Magnetism'** was organised on 28<sup>th</sup> October 2022 at Maria Niketan High School, Bangalore.
- c. The museum participated in the **International Scouts & Guides Day** organised by the Govt. of India at Alwa Education Society, Moodubidire, by organising the Mobile science exhibition on 'Electricity & magnetism from 20<sup>th</sup> to 28<sup>th</sup> December 2022. About 50,000 students and general visitors visited the exhibition.
- d. The museum participated in the **KANAKOTSAVSA** organised by the Govt. of Karnataka at Kanakapura, Bangalore (South) Rural District by organising the Mobile science exhibition on 'Electricity & magnetism from 12<sup>th</sup> to 14<sup>th</sup> January 2023. About 12,000 students and 1,000 general visitors visited the exhibition.
- e. **The MSE on 'Electricity & Magnetism'** was organised at Sri Adhichunchanagiri Math, Sri Kshethra, Mandya district on 19<sup>th</sup> & 20<sup>th</sup> February 2023 as part of the Jnan Vigyana Tantragyana Mela (JVTM). About 6,000 students and general visitors visited the exhibition.
- f. **The MSE on 'Electricity & Magnetism'** was organised at Govt. Boys PU College, Malleswaram, Bangalore on 28<sup>th</sup> February 2023 as part of the event Vigyana Belasi Tantragyana Balasi. The event & exhibition was inaugurated Dr. C N Ashwath Narayana, Hon. Dy Chief Minister, Govt. of Karnataka. Large number of students and general visitors visited the exhibition.



### 10. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

Visit of Underprivileged Children to the museum was organised during the year in collaboration with Samarthana Trust for Disabled, Bangalore, Parinaam Foundation, Bangalore, KSTA, Bangalore, and SMILEYS INDIA, Bangalore & many other NGO's/organisations. The children were given free entry to the museum, guided tour to the galleries besides organising Science shows on 'Science is Fun'. Science Kits and refreshments were distributed to the children. About 2047 underprivileged children visited the museum.



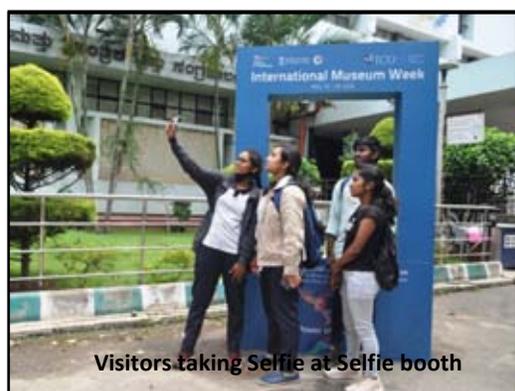
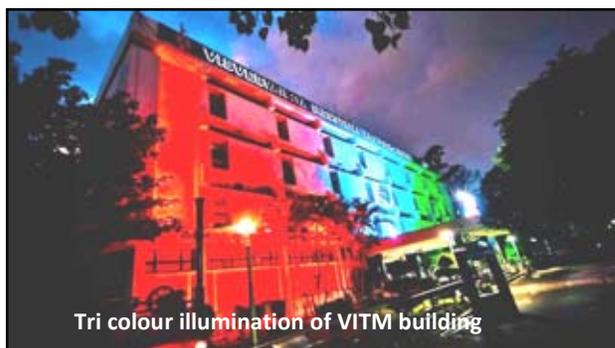
## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 11. Commemorative and Other special Programmes

VITM continued its Science Communication & non-formal education extension activities throughout the year for the benefit of students and general public. In addition, several commemorative and special events like NCSM foundation Day, Swachhata Pakhwada, World Earth Day, National Technology Day, International Museums Day, World Environment Day, 75<sup>th</sup> Year of India's Independence, 57<sup>th</sup> Anniversary of VITM, Birth Anniversary of Dr. 161<sup>st</sup> Birth Anniversary of Sir. M Visvesvaraya, International day of Sign Languages, International Day of Scientific Culture, World Space Week, International Science Centre & Science Museums Day, Azadi Ka Amrit Mahotsav & Children's Day Celebration, Dr. E K Janaki Ammal – the Indian Botanist', Nobel Prize Awarding ceremony Day, National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan), National Science Week, International Women's Day and World Water Day were celebrated. As part of the events with various education activities like science demonstrations, Open house quiz, Model demonstration, drawing contest, elocution contest and interactive popular talks were organised for students & general public. The programmes attracted large number of students and general public.

This year 2022, **the International Museums Week** was celebrated at the museum from 16<sup>th</sup> to 20<sup>th</sup> May 2022. As part of the event the programmes like NOKIA – VITM 5G workshop, A webinar on 'Power of Museums – Achieving sustainability', Visit of underprivileged children, 'Storytelling session Dinosaurs', MSE programme on 'Electricity & Magnetism' for underprivileged children at Victory International AG Worship Centre, Kempapura, Bangalore and A workshop on 'Hands on Activity on Arduino' were organised.

During the period the free entry to the museum for visitors was allowed as per the directives from MoC. 12,113 visitors visited the museum. Setting up of Selfie points and tricolor illumination of the museum building was part of the event.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### REGIONAL SCIENCE CENTRE, TIRUPATI

#### Development Activities

##### 1. Setting up of New Gallery

- A. Butterfly Enclave & Igniting Science Photo Booth was inaugurated by Prof. O. Mohammad Hussain, Registrar, Sri Venkateswara University, Tirupati at RSC, Tirupati on 18<sup>th</sup> May, 2022 during International Museum Week celebration.
- B. Musical Discs Science Park Exhibit was inaugurated by Shri C. Selvam, IFS, Curator, SV Zoological Park, Tirupati, Dr V. Muraikrishna, CEO, SETVEN, Dept, of Youth Service, Tirupati and Dr K. V. Chalapathi, President, Rotary Club, Tirupati at RSC, Tirupati on 28<sup>th</sup> February 2023 during National Science Day celebration.



##### 2. Travelling and Temporary Exhibitions:

Artefact Exhibition was organised from 16<sup>th</sup> to 20<sup>th</sup> May 2022 during International Museum week in which rare coins dating back from Mughal & Vijaya Nagar Empire Coins & Currency Notes along from 175 Countries and other items like old Radios, Tape recorder, Gramophone, Ancient Lock & Keys and Stamps were on display. About 5,200 visitors visited the exhibition.



Art Exhibition was inaugurated by Prof. O. Mohammad Hussain, Registrar, Sri Venkateswara University, Tirupati on 16<sup>th</sup> May 2022 and was open up to 20<sup>th</sup> May 2022 during International Museum Day week. The exhibition has display of 125 painting of 20 artists in and around Tirupati at the centre. About 5,200 visitors visited the exhibition.

Poster Exhibition on 'Evolution of Indian National Flag' was opened to public at RSC, Tirupati from 2<sup>nd</sup> - 31<sup>st</sup> August 2022 during birth anniversary of Flagman Of India Pingali Venkayya. About 8,400 visitors visited the exhibition.

Art Exhibition was inaugurated by Shri Suryadevara Harikrishna, Vice Chairman, Tirupati Urban Development Authority (TUDA) Tirupati at RSC, Tirupati on 26<sup>th</sup> January 2023 and was open up to 30<sup>th</sup> January 2023. The exhibition portrayed painting of freedom fighters of Telugu states. About 133 painting from 73 artists were displayed. About 2700 visitors visited the exhibition.

Panel Exhibition on Nobel Prizes 2022 was inaugurated by Dr. Sambuddha Sanyal, Assistant Professor, Dept. of Physics, Indian Institute of Science Education and Research (IISER) Tirupati on 30<sup>th</sup> December, 2022. About 7300 visitors visited the exhibition.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 3. Programs for Women & Girls

**Computer Training Programme** was conducted by the centre on 27<sup>th</sup> & 28<sup>th</sup> January 2023 for underprivileged children (girls) from Real Society, Tirupati those who are deprived of access to computer and provide the first hand experience of handling the computer. About 30 students participated.

**International Women's Day 2023** was celebrated on 8<sup>th</sup> March 2023 in collaboration with Junior Chamber International, Tirupati. Shethon a walk was organised from Alipiri to Regional Science Centre, Tirupati homemakers participated in the walk. A Workshop on Mushroom Culture for Homemakers was conducted First hand Hands-on experience was provided on culturing mushroom. About 85 Homemakers participated in the above programme.



### 4. Workshops & Vocational Hobby Courses & training programmes like TTP& Computer training

As part of Creative ability the following programme organised at RSC, Tirupati

- Summer Hobby Camp was organised from 1<sup>st</sup>- 7<sup>th</sup> May 2022 on Physics and Robotics.
- Summer Hobby Camp was organised from 8<sup>th</sup> to 14<sup>th</sup> May 2022 on Chemistry and Electronics.
- Summer Hobby Camp was organised from 15<sup>th</sup>- 21<sup>st</sup> May, 2022 on Biology and Art & Science.
- Summer Hobby Camp was organised from 22<sup>nd</sup>- 28<sup>th</sup> May, 2022 on Astronomy and Computers.
- Summer Hobby Camp was organised from May 29<sup>th</sup> May - 4<sup>th</sup> June, 2022 on Gardening & Mathematics
- Summer Hobby Camp was organised from 19<sup>th</sup> 25<sup>th</sup> June, 2022 on Astronomy and Robotics.
- Sankranthi Vacation Cac was organised from 12<sup>th</sup>- 17<sup>th</sup> January, 2023 on Paper Electronics

Teacher Training Programme was organised by the centre on 6<sup>th</sup> August 2022 in collaboration with Andhra Pradesh Council of Science & Technology, Vijayawada and District Education Office, Chittoor for Government Teacher of Andhra Pradesh

A Workshop on Water Rocket was conducted at RSC, Tirupati on 11<sup>th</sup> May 2022 during National Technology Day.

A Workshop on Kalamkari was organised at RSC, Tirupati on 19<sup>th</sup> & 20<sup>th</sup> May, 2022 during International Museum Week Celebration. Workshop was conducted by National Award Winner, Shri Pujari M Munirathnam, Kalamkari master.

**A Workshop on Understanding Moon** was conducted at RSC, Tirupati on 20<sup>th</sup> July 2022 during Space Week (Moon Landing Week).

**A Workshop on Banana Paper Making** was conducted at RSC, Tirupati on 27<sup>th</sup> September 2022 during 29<sup>th</sup> Anniversary Week of RSC, Tirupati.

**Workshop on Foldscope** was organised at RSC, Tirupati on 15<sup>th</sup> October 2022 exclusively for innovation hub students.



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

A Workshop on Paper Plane was conducted at RSC, Tirupati on 10<sup>th</sup> November 2022 during International Science Centre & Science Museum Day.

A Workshop on Fun with Mathematics was conducted at RSC, Tirupati on 22<sup>th</sup> December 2022 on National Mathematics Day 2022 commemorating the Birth Anniversary of Srinivasa Ramanujan.

A Workshop on Life (Lifestyle for Environment) was organised at RSC, Tirupati on 14<sup>th</sup> February 2023 in collaboration with Andhra Pradesh National Green Corps for District Coordinators, NGC and teachers.

A Workshop on Mushroom Culture was organised by RSC, Tirupati on 8<sup>th</sup> March 2023 during International Womens Day for Homemakers.

A Workshop on Bird Nest Building and Bird Water Turf And Bird Feeder Making was conducted by RSC, Tirupati at Sri Venkateswara Zoological Park, Tirupati on 20<sup>th</sup> March 2023 during World Sparrow Day.

Computer Training Programme was conducted by the centre on 27<sup>th</sup> & 28<sup>th</sup> January 2023 for underprivileged children (girls) from Real Society Tirupati

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

The Centre organised the **Science Fair** on the topic '**STEM Projects**' with the Tirupati Balotsavam held in the month of 13<sup>th</sup> & 14<sup>th</sup> November 2022 at Regional Science Centre, Tirupati during Children's Day celebration. About 84 projects from 42 schools participated in the fair.

### **6. Participation in Govt. Initiative Programmes.**

Swacchata Pakhwada 2022- was observed at RSC, Tirupati from 16<sup>th</sup> to 30<sup>th</sup> September 2022. Cleanliness Drive was held at the centre in various locations such as Galleries, Science Park, Prehistoric Life Park, Parking Area, Office Blocks and Entrance of the centre. A Painting Contest and Swacch Bharat Abhiyan Video Contest was organised for the students.

Special Campaign 2.0 Cleanliness Drive was observed at RSC, Tirupati from 16<sup>th</sup> to 31<sup>st</sup> October, 2022. Cleanliness Drive was held in the centre at various locations such as Galleries, Science Park, Prehistoric Life Park, Parking Area, Office Building, Entrance lobby of the centre and disposal of pending matters.

8<sup>th</sup> International Day of Yoga' was celebrated at the Centre on 21<sup>st</sup> 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 'Yoga for Humanity' was delivered. About 124 students, staff of JCI, Tirupati members and general public participated in the programme

### **7. Participation in programmes for Outreach**

A Workshop on Bird Nest Building & Bird Water Turf and Bird Feeder Making was conducted by RSC, Tirupati at Sri Venkateswara Zoological Park, Tirupati on 20<sup>th</sup> March 2023 during World Sparrow Day.

A Popular Science Lecture on the 'Make A Difference on Earth Day' was delivered on 22<sup>nd</sup> April 2022 by M.M.K Balaji Project Co-ordinator, RSC Tirupati .

Shri M M K Balaji, Curator, RSC Tirupati delivered a talk on 'Development of Science & Technology in India Since 75 Years' at Ramathulasi Kalyana Mantapam on 16<sup>th</sup> August 2022.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

A Popular Science Lecture on the topic 'Protection of Ozone Layer & Our Responsibilities' was delivered by Shri. K. Srinivasa Nehru, Project Co-ordinator, Regional Science Centre, Tirupati on 15th September 2022 during World Ozone Day at Zilla Parishad High School, Satyanarayanapuram, Tirupati.

Tirupati Balotsavam was organised by Tirupati Balotsavam Committee at Sri Pandit Jawaharlal Nehru Municipal School, Tirupati. Srinivasa Nehru K, PC, RSC Tirupati was invited as Chief Guest for the Prize distribution on 17<sup>th</sup> December, 2022 and also delivered a talk on "Role of Science Centre in the Society".

Mobile Science Exhibition on 'How Science Works' is being organised by the centre from 14th - 31st March 2023 at various schools in and around Tirupati Urban & Rural.

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

Visit of Underprivileged Children to the Centre was organised during the year in collaboration with AP Social Welfare Association, SOS Children's Village, Yerpedu and Real Society, Tirupati. The children were given free entry to the Centre, guided tour to the galleries besides organising Science shows on '3D shows etc. Science Kits and refreshments were distributed to the children.



### 9. 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. Further, several commemorative and special events like NCSM foundation Day, Swachhata Pakhwada, World Earth Day, National Technology Day, International Museums Day, World Environment Day, 75<sup>th</sup> Year of India's Independence, 29<sup>th</sup> Anniversary of RSC Tirupati, National Doctor's Day, Hiroshima Remembrance Day, Space Week, Engineer's Day (Birth Anniversary of Sir. M Visveswaraya), International Day of Scientific Culture, Dr. APJ Abdul Kalam Birth Anniversary, International Science Centre & Science Museums Day, Azadi Ka Amrit Mahotsav, Children's Day Celebration, Nature Camp, Campus Bird Count, National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan), National Science Day, International Women's Day and World Water Day were celebrated. As part of the events with various education activities like science demonstrations, Open house quiz, Model demonstration, drawing contest, elocution contest and interactive popular talks were organised for students & general public. The programmes attracted large number of students and general public.

This year 2022, 'The International Museums Week' was celebrated at the museum from 16<sup>th</sup> to 20<sup>th</sup> May 2022. As part of the event the programmes like Artifact Exhibitions, Butterfly Enclave, Igniting Science Photo booth and Art Exhibition was inaugurated, RJ interactive Radio Programme in association with All India Radio, Tirupati, Treasure Hunt Contest Team Science Quiz Contest on the topic Science & Technology was organised for the school students. Kalamkari Workshop was organised for the school children and General Visitors, National Award Winner, Shri Pujari M Munirathnam, Kalamkari master conducted the workshop on Kalamkari

During the period the free entry to the museum for visitors was allowed as per the directives from MoC. Main Building and Planetarium building were illuminated with Tricolour lighting. 2 Selfie Booth were setup for visitors and Underprivileged Children visited the centre during the weeklong celebrations About 9,928 general visitors, students and underprivileged children participated and visited the centre.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

**NPCIL DAE: Iconic Week Celebration** was held in the Centre from August 22<sup>nd</sup> - 28<sup>th</sup> August 2022 as a part of Azadi Ka Amrit Mahotsav in collaboration with Nuclear Power Corporation of India Limited, Mumbai. An Essay Writing Contest, An Interschool Team Science Quiz, Elocution Contest, Patriotic Song Singing Contest, Fancy Dress Contest, Popular Science Lecture on the topic 'Nuclear Energy: Clean & Green' by Shri Srinivas, Senior Maintenance Engineer, Instrumentation Systems, Madras Atomic Power Station, Kalpakam on 28<sup>th</sup> August 2022 and Open House Science Quiz Contest were organised.



Tricolour illumination of the Centre building



Workshop on Kalamkari



Artefact exhibition

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### Regional Science Centre & Planetarium, Calicut

#### Development Activities

##### 1. New Exhibits (MSE Mathematics)

Fabricated 17 Nos MSE exhibits on Mathematics at Regional Science Centre & Planetarium Calicut.



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

**Happiness Painting Camp** was organised for differently abled students on 25<sup>th</sup> February 2023 in association with Sravaanika Amalgamation of Arts. 30 differently abled students participated in the programme. 35 paintings were done in the camp. Shri. A. K. Saseendran, Hon'ble Minister for Forests & Wild life, Govt. of Kerala distributed certificate to the participants.



##### 3. Programs for Women & Girls

A workshop on 'Food adulteration' was conducted for house wives on 28<sup>th</sup> September 2022. 55 house wives participated

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

As part of Creative ability the following programme organised at Regional Science Centre & Planetarium Calicut

- Summer vacation creativity workshop 'The Joy of learning Science' was held for upper primary school students from 25<sup>th</sup> to 30<sup>th</sup> April 2022. 26 students participated
- Summer Vacation Creativity Workshop Physics & Astrophysics for upper high school students from 2<sup>nd</sup> to 7<sup>th</sup> May 2022. 13 students participated.
- Summer Vacation Creativity Workshop in Chemistry for high school students from 9<sup>th</sup> to 14<sup>th</sup> May 2012.17 students participated.
- Electronics creativity workshop was conducted at the Centre from 16<sup>th</sup> to 21<sup>st</sup> May 2022 for high school students. 22 students participated

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

- 2 nos workshops for teachers were conducted on 27<sup>th</sup> February 15<sup>th</sup> March 2023. 40 teachers participated.



Summer Vacation Creativity Workshop in Physics &



in Chemistry



Summer Vacation Creativity Workshop in Electronics

### 5. Participation in Govt. Initiative Programmes.

As part of **special campaign 2.0** a special cleaning drive was held at the Science Park of Regional Science Centre & Planetarium, Calicut by staff members on 18<sup>th</sup> to 20<sup>th</sup> October 2022. 18 staff members took part.

**International Day of Yoga** was celebrated at the Centre on 21<sup>st</sup> June 2022 in collaboration with Patanjali Yoga Research Centre Kozhikode. A yoga session for staff members followed by a lecture on 'Yoga for Humanity' by Shri. P. Unniraman, Director, Patanjali Yoga Research Centre was organised. 80 underprivileged children participated.

### 6. Participation in programmes for Outreach

Elaborate arrangements were made by Regional Science Centre & Planetarium, Calicut at Calicut beach for viewing the Partial Solar eclipse on 25<sup>th</sup> October 2022. Two telescopes with solar filter were set up for observation. The event was witnessed from 5.14pm to 6.04pm. 1200 people viewed the celestial event from Calicut beach.



Yoga Session during International Day of Yoga

### 7. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav

Visit of Underprivileged Children to the Centre was organised during the year in collaboration with Tribal department & many other NGO's/organisations. The children were given free entry to the Centre, guided tour to the galleries besides organising Science shows on 'Science is Fun'/3D shows, Planetarium show etc. Science Kits were distributed to the children. 848 Underprivileged Children Visited the Centre.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 8. 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. Further, several commemorative and special events like World Earth Day, International Museums Day, World Environment Day, 75<sup>th</sup> Year of India's Independence, International Day of Scientific Culture, World Space Week, International Science Centre & Science Museums Day, Azadi Ka Amrit Mahotsav & Children's Day Celebration, National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan), National Science Day, were celebrated. As part of the events with various education activities like science demonstrations, Open house quiz, Model demonstration, drawing contest, elocution contest and interactive popular talks were organised for students & general public. The programmes attracted large number of students and general public.

This year 2022 **International Museum Week** was celebrated at the Centre from 16<sup>th</sup> to 20<sup>th</sup> May 2022. As part of the event during the week the visitors were allowed free entry to science centre. The centre building was illuminated with tri colour light during the period. In addition, programmes like Open air Science show, display of Artefact collections, Clay modeling and Pottery workshop, an Origami workshop



for under privileged children and Painting contest for school students on the Topic 'Science Museum-Your vision', were organized. 1,085 students and general public participated and 370 genral public witnessed the events. 2,870 students and general public visited the Centre with free of entry fee.

Malabar STEM Fair was organised at this centre on 27<sup>th</sup> & 28<sup>th</sup> February 2023. The fair provides a platform to all students studying in schools, ITI, Polytechnic, and College to showcase their germinated ideas in form of a product or a prototype design. 26 projects were displayed in the exhibition by 60 students.



Participants interacting with visitors during Malabar STEM fair

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### DISTRICT SCIENCE CENTRE, GULBARGA

#### Development Activities

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



2. **Programs for Women & Girls:**

As a part of National Girl child day celebration, the workshop on 'Basic Electronics' on 24<sup>th</sup> January 2023 was conducted for the high school girl students. 38 girl students and teachers participated.

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

Summer science camps in Physics, Chemistry, Biology and Mathematics were organised in two batches from 8<sup>th</sup> to 23<sup>rd</sup> April 2022. During the camp students were given training develop a series of models in mathematics, perform hands on chemistry experiments and biology. 238 students participated.

As a part of International museum week from 16 – 20 May 2022, Workshop on 'Chemistry in daily life' for high school students was organized on 19<sup>th</sup> May 2022.

As a part of International day of scientific culture on 28<sup>th</sup> September 2022, a workshop on 'Science, Art and Comics' was conducted for high school students. 68 students and 7 teachers participated.

Teachers' training programme was organised on 17<sup>th</sup> February 2023. Shri G. M. VijayaKumar, Principal & JDPI, Govt. College of Teacher Education, Kalaburagi delivered a lecture on 'Effective classroom communication using models'. 7 curriculum based science models were developed by the trainee teachers of Govt. B.Ed College. 41 trainee teachers participated.



Summer science camp in Physics,



Chemistry



Mathematics



Summer science camp in Biology



Teachers Training Programme

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

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

District level Science Seminar was organized on 'Basic Science for sustainable development: Challenges & Prospects' for high school students of Kalaburagi District on 17<sup>th</sup> September 2022 in association with District Institution for Education and Training (DIET), Kamalapur. 8 taluk level winners from the taluks of Gulbarga District participated. 78 students and 15 teachers witnessed the seminar.

District level Science Drama was organized on 'Science and Technology for the benefits of mankind' for high school students of Kalaburagi District on 17<sup>th</sup> September 2022 in association with District Institution for Education and Training (DIET), Kamalapur. 8 taluk level winning teams from the taluks of Gulbarga District participated. 149 students and 15 teachers witnessed the Drama.



### 5. Participation in Govt. Initiative Programmes:

Swachhta Pakhwada was observed by organizing various activities at the centre from 18<sup>th</sup> to 19<sup>th</sup> October 2022. In this connection, cleaning drive in and around office building, galleries, Science Park, dinosaur park areas were taken up. Essay contest on the topic "Go green to get India clean" and drawing contest on the topic "Clean India – Green India" were also conducted for the high school students. 178 students and 57 teachers participated.

**International Day of Yoga** was celebrated on 21<sup>st</sup> June 2022. Yoga practice session, drawing & painting contest for high school students on 'Yoga for healing chronic illnesses, film shows on 'Science behind Yoga' and open House quiz on "Yoga" were conducted. 188 students participated.



**Hindi Pakhwada** was organised from 14<sup>th</sup> to 30<sup>th</sup> September 2022. During the Hindi Pakhwada, Speech contest and Singing contest were organised for the staff of the Centre. Valedictory function was held on September 30, 2022. All the DSCG staff attended the Hindi Pakhwada.

In connection with 75<sup>th</sup> Year of Independence Day the film show on 'India's freedom struggle – first war of Independence' on 6<sup>th</sup> April 2022, Collage making contest on 'Indian freedom fighters' on 9<sup>th</sup> May 2022, an Open house quiz contest on the topic "Physicians Contributions affordable healthcare for all" on 1<sup>st</sup> July 2022, Science Quest on the topic 'Over the Moon with Chandrayaan', on 25<sup>th</sup> July 2022, Team Quiz on the topic "Indian Freedom movement and present scenario of India in the field of Science & Technology" and film show on 'India's freedom struggle' on 14<sup>th</sup> & 15<sup>th</sup> August 2022 respectively were

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

organised for students. The entrance of the main building of District science centre was projected with tri colour illumination from 13<sup>th</sup> to 15<sup>th</sup> August 2022. A series of events from 22<sup>nd</sup> to 28<sup>th</sup> August 2022 in association with Nuclear Power Corporation of India Limited, Mumbai were organized at the center. 2,568 students and teachers participated.

### 6. Participation in programmes for Outreach:

Rural Science Camp was organised at Hagargundagi village in Kalaburagi district on 25<sup>th</sup> January 2023. During the camp, special Sky observation programme was organised for the benefit of the students and the general public. 255 students and 174 general public participated.

### 7. Programmes for Underprivileged Children and Azadi ka Amrit Mahotsav:

Visits of underprivileged children to the centre were organized during the year in collaboration with State Education Department. During the visit, "guided tour" to various galleries of science centre including Science Park, science show, 3D show and Heart beat rate demonstration were conducted for the benefit of the students. In addition science kits and refreshments were also distributed to the children. 1,383 children and 138 teachers participated.



Visit of underprivileged children to the centre - interacting with the exhibit

### 8. Commemorative and Other special Programmes:

The following events were observed/celebrated by organising various programmes like Sit & Draw contest Seminar, Demonstrations, Workshops, elocution contest etc.

International Museums Day, World Environment Day, World Population Day, Moon landing day Hiroshima Day, Engineer's day, World Ozone Day, World Heart day, World Food Day, World Pulses Day World Water Day International Day of Forests were observed. Birth anniversaries of Sir C V Raman and Marie Curie, International science centre and Science Museum Day, National Mathematics Day were celebrated.



Model Demonstration Contest – Moon Landing Day



Tree plantation program – World Environment Day



Tricolour illumination of Centre – International Museums Day



Polyhedra Workshop National Mathematics day

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### DISTRICT SCIENCE CENTRE, TIRUNELVELI

#### 1. Development Activities

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



#### 2. Travelling and Temporary Exhibitions:

Temporary Panel Exhibition on 'Nobel Prizes 2022' was inaugurated on 23<sup>rd</sup> February 2023 by Dr S Sudhakar, Professor, Dept. of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli.



Temporary Panel Exhibition on 'Nobel Prizes 2022'

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

Childrens' Day 2022 was celebrated at DSC-T by organizing 'Aroma Contest' for School Students studying on 14<sup>th</sup> November 2022. 64 Students from 34 Schools including School for Blind, Palayamkottai participated in this contest.

#### 4. Programs for Women & Girls

International Women's Day was celebrated by organising a Workshop for Girls & Women on 'Cyber Security in using Mobile & Computer Apps' on 8<sup>th</sup> March 2023. 58 Girl Students, Homemakers participated. An Open house Quiz was conducted on 'Women Scientists'.



Workshop for Girls & Women on 'Cyber Security'

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

- Vacation Hobby Course on 'STEAM' was organized from 23<sup>rd</sup> 27<sup>th</sup> May 2022. 18 students were participated in this course. 5 projects were made and 90 projects duplicated.

Vacation Hobby Course on 'STEAM'



- Vacation Hobby Courses was organized on 3 different topics like 'Fun with Maths', Basic Electronics and Basic Astronomy' from 30<sup>th</sup> May to 3<sup>rd</sup> June 2022. 31 students participated. 10 Projects were made and 96 were duplicated.

Vacation Hobby Course in 'Electronics'



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

- Teachers Training Programme was organized on 23<sup>rd</sup> & 24<sup>th</sup> November 2022 for the Science Teachers. 29 Teachers from various Govt. / Govt. aided Schools participated. 5 different kits were made and 140 kits were duplicated.

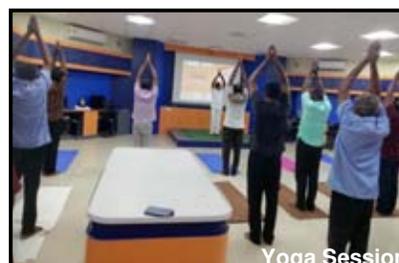


### 6. Participation in Govt. Initiative Programmes.

- Swachta Special Campaign 2.0 organised in the Centre by staff members from 16<sup>th</sup> to 30<sup>th</sup> October 2022 by organising a campaign for cleanliness drive in & around the museum premises and disposal of pending matters.
- Special Cleaning Drive was organized by the NSS Volunteers on 20<sup>th</sup> October 2022. 43 NSS volunteers with their Co-coordinators from 2 Colleges took part in the cleanliness drive.
- Special Swachh Bharath cleaning campaign at the Science Park area was organised on 9<sup>th</sup> December 2022. 28 Volunteers from Reliance Market India Pvt. Ltd., Vannarpettai, Tirunelveli participated.



- International Day of Yoga was celebrated on 21<sup>st</sup> June 2022 by organizing a Yoga Practice session for Staff and General public. 42 general visitors participated. Awareness movies on 'Yoga for Humanity' were screened for the general visitors.



### 7. Participation in programmes for Outreach

Special Sky Observation Programme was organised at National Engineering College, Kovilpatti on 9<sup>th</sup> March 2023. Around 290 Students, faculty parents participated.

Special Sky Observation Programme was organised at Book Fair Venue, V O C Ground, Palayamkottai from 1<sup>st</sup> to 7<sup>th</sup> March 2023. Around 2,860 people participated.

Special Mobile Science Exhibition programme was organised on 26<sup>th</sup> January to 6<sup>th</sup> February 2023 at Manner Hr. Sec. School, Sivaganagi, Tamil Nadu as a part of Book Fair Exhibition. Around 57,231 Students, teachers and General Public visited the Exhibition. Another Exhibition programme was organised on 20<sup>th</sup> & 21<sup>st</sup> January 2023 at Carmel Hr. Sec. School, Nagercoil during their Centenary celebrations. Around 5,030 Students, teachers and parents visited the Exhibition etc.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

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

Visit of Underprivileged Children to the Centre was organised during the year 2022-23. 500 children were given free entry to the Centre, guided tour to the galleries besides organising Science shows on 'Science is Fun', 3D shows etc. Science Kits and refreshments were distributed to the children.



Science kits distribution to Underprivileged Children

### 9. 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. Further, several commemorative and special events like NCSM foundation Day, World Earth Day, National Technology Day, International Museums Day, World Environment Day, International day of Yoga, National Doctor's Day, World Population Day, International Moon Day, Independence Day, Zero Shadow Day, National Engineer's Day, World Ozone Day, International Day of Scientific Culture, World Space Week, World Sight Day, Vigilance Awareness Week, International Science Centre & Science Museums Day, Children's Day Celebration, National Energy Conservation Day, National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan), Indian Republic Day, DSC-T Anniversary Week, National Science Week, International Women's Day and World Water Day were celebrated. During these events various education activities like science demonstrations, Open house quiz, drawing contest on Peepal leaf skeleton, Aroma contest, Story Telling Contest, Training, Workshops elocution contest, Exhibitions and interactive popular talks were organised for the benefit of students, teachers & general public. The programmes attracted large number people in all age groups.

**The Centre celebrated the International Museum Week** from 16<sup>th</sup> to 20<sup>th</sup> May 2022 by organizing programmes for students and general public like Screening Movies on 'Museums around the World', an Exhibition on 'My Artefacts Collections', Power Point Presentation Contest on the topic 'Power of Museums : Digitalisation & Accessibility', Workshop on 'Power of Museums' An Exhibition on 'Fossils', Mobile Science Exhibition on 'Machines in Everyday Life' along with Science Vs Miracle Show & Water Rocket Demonstration at Saranalayam Orphanage, Balabaganagar, Tirunelveli.

Apart from the above programmes, the building was tricolour illuminated. A Selfie point was put-up for Centre visitors and visitors were allowed free entry. 18,054 students and general public visited the Centre with free of entry fee.



Building with tricolour illumination



Screening Movies on 'Museums around the World'



Visitors at Selfie point

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**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	Smt. K.A. Sadhana Director	Shri. K Srinivasa Nehru Project Coordinator	Shri. Binoy Kumar Dubey Project Coordinator	Shri. R Bharadan 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	Jafferkhan 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"> <li>▪ Rs. 85/- per head for general public</li> <li>▪ Rs.30/- for students in organised groups</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rs.30/- per head for general public</li> <li>▪ Rs.20/- for Pvt. Institution students in groups</li> <li>▪ Rs.5/- for BPL&amp; for Govt. Institution students in groups</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rs.30/- per head for general public</li> <li>▪ Rs.20/- for Pvt. Institution students in groups</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rs.20/- per head for general public</li> <li>▪ Rs.15/- for Pvt. Institution students in groups</li> <li>▪ Rs.5/- for BPL- Govt. Institution students in groups</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rs.20/- per head for general public</li> <li>▪ Rs.15/- for Pvt. Institution students in groups</li> <li>▪ Rs.5/- for Govt. Institution students in groups</li> </ul>
Inaugurated on	27 <sup>th</sup> July 1965	23 <sup>rd</sup> Sept. 1993	30 <sup>th</sup> January 1997	6 <sup>th</sup> January 1984	27 <sup>th</sup> February 1987
Total floor area in Sq. Mts.	11,700	4,843	2,600	2,080	2,660
<b>Staff Strength</b>					
Scientific	05	2	02	00	00
Technical	50	13	12	05	7
Non Technical	26	07	08	05	4

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**2. (b) EXPENDITURE:**

<b>Expenditure (Rs. In Lakhs)</b>	<b>VITM, Bangalore</b>	<b>RSC, Tirupati</b>	<b>RSC P Calicut</b>	<b>DSC, Gulbarga</b>	<b>DSC, Tirunelveli</b>	<b>Total</b>
Revenue Receipt	829.12	56.52	165.63	31.42	61.97	1,144.66
Recurring	1,297.42	223.25	239.25	78.21	81.55	1,919.68
<b>Non General Recurring</b>						
General	1,044.81	71.80	105.88	65.30	77.14	1,365.03
CCA	57.03	7.03	30.13	5.34	13.07	112.60
<b>Total Non-Recurring</b>	<b>1,101.84</b>	<b>78.83</b>	<b>136.01</b>	<b>70.64</b>	<b>90.21</b>	<b>1,147.63</b>

**2(C) VISITORS TO MUSEUM/CENTRE:**

<b>Name of Museum/Centre</b>	<b>VITM, Bangalore</b>	<b>RSC, Tirupati</b>	<b>RSC P Calicut</b>	<b>DSC, Gulbarga</b>	<b>DSC, Tirunelveli</b>
No. of School groups	2,092	383	2,152	878	669
No of Students in above	1,63,732	33,240	1,71,573	70,497	42,383
No. of Visitors to Special Programme	7,215	17,673	13,826	10,964	6,137
No of General Visitors	5,09,492	1,00,491	2,06,772	87,032	1,79,907
No. of Free entry (Activity Club members, defense, handicapped etc)	61,510	6,716	0	7,533	45,170
Total Visitors to Museum/Centre	7,41,949	1,58,120	3,92,171	1,76,026	2,73,597
Visitors to MSE including film shows	1,38,050	10,180	34,980	25,567	62,346
Visitors to Outreach Programmes	47,943	5,430	6,838	1,623	5,189
<b>Total No of visitors to Museum / Centre &amp; outreach Programme</b>	<b>9,27,942</b>	<b>1,73,730</b>	<b>4,33,989</b>	<b>2,03,216</b>	<b>3,41,132</b>

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**3. EXISTING GALLERIES:**

<b>Name of the Museum/ Centre</b>	<b>Name of the gallery</b>	<b>Floor area in Sq. Mts.</b>	<b>Date of Inauguration</b>	<b>Date of major Renovation</b>	<b>Number of Exhibits</b>
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	-	51
	Science for Kids	263	30.04.2007	19.04.2019	27
RSC, Tirupati	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 2022-23

### 4. NEW GALLERIES / MAJOR RENOVATIONS:

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### 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	Popular Science (at RSC P Calicut)	RSC P Calicut	20	2011	--
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:** Exhibition on Nobel Prizes 2022  
Exhibition on Seeds of Culture

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**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 &	78	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	26	5	--	--	-
No. of Park Exhibits		3	--	1	-
No. of Exhibits for Temporary Exhibition	67		--	--	-
No. of Exhibits for Mobile Science Exhibition	10	5	17	--	-
No. of Kits developed (for New Science Shows) *Table top exhibits	10*	13	3	--	22
No. of Duplicate Kits (in-house)	--	--	--	--	418
No. of Duplicate Exhibits (in-house)	--	--	--	--	-
No. of Duplicate exhibits (outside agencies)	--	--	--	--	-
No. of Duplicate Kits(outside agencies)	--	--	--	--	-
No. of Exhibits Renovated- category (gallery/MSE/Temp Exhibition)	--	18 11 gallery & 7 Park	2	--	-
No. of Kits Renovated (mention category - gallery/MSE/Temp. Exhibition)	--	--	--	--	-
Total	113	51	22	1	440

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

**9. COLLECTION OF ARTEFACTS: ----**

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## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

### **10. PLANNING:**

#### **VITM:**

- Modernization of Hall of Electronics Phase-II
- Modernisation of Dinosaur exhibition enclave Phase I
- Modernisation of Energy Ball exhibit at Engine Hall Phase I
- Completion of Setting up of SRSC Rajahmundry
- Park Exhibition for SRSC Rajahmundry -20 Exhibits
- Setting up of Innovation Hub at SRSC Rajahmundry
- Setting up of Innovation Hub at RSC, Warangal
- Setting up of Innovation Hub at RSC, Pilikula
- Planning of MSE on Genetics (fund from CCMB, Hyderabad)
- Fabrication of Table top Exhibits for PSTC

#### **RSC T**

- Completion of Biomimicry Phase I
- Fabrication of new Science Park exhibits (5 nos)

#### **RSC P C**

- MSE on Mathematics
- Modernisation of Astronomy gallery (Planning & Fabrication of exhibits (Phase-1)
- Fabrication of New Science Park Exhibits 1 Exhibit

#### **DSC G :**

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

#### **DSC T**

- Completion of Space Gallery exhibits fabrication.
- Modernisation of Electronics Gallery (Phase -1)
- Fabrication of Science Park Exhibits (4 Nos)

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 11. MOBILE SCIENCE EXHIBITION 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.	---	---	---	---
RSC Tirupati	Acharya Nagarjuna	Space Technology: For Human Welfare	---	---	---	---
RSC P Calicut	Vianu Bappu	Space Technology for Human Welfare	28	688	10	35,865
DSC Gulbarga	U.R Rao	Water and Chemistry in our life	---	---	---	---
DSC Tirunelveli	C V Raman	Machines in Everyday Life	01	02	01	85

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	61	3,244	39	1,30,223
RSC Tirupati	Sapthagiri	How Science Works?	12	149	12	10,180
RSC P Calicut	Periyar	Popular Science	27	688	10	35,865
DSC Gulbarga	Bheema	Man and Space	59	1,702	49	16,985
DSC Tirunelveli	Thamirabarani	Our Environment	13	598	02	62,261

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



Mobile Science Exhibition on the theme 'Electricity & Magnetism at Victory International, AG Worship Centre, Kempapura Bangalore



Mobile Science Exhibition by RSC T on the theme 'How Science Works' at Zilla Parishad High School, MR Palli, Tirupati



Mobile Science Exhibition organised at Govt. High School, Chincholi, Gulbarga Taluk by DSC G



Mobile Science Exhibition programme at Vallikkunnu fest by RSCP C



Mobile Science Exhibition programme at Saranalayam Orphanage Home, Tirunelveli by DSC T

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 12. SCIENCE EDUCATION:

#### (a) SDL AND SCIENCE SHOWS:

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

**Due to Covid – 19 pandemic the demonstration were organised online.**

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
<b>VITM</b>	Science is Fun	22	2,265	--	--
	Chemical Reactions / Colour Chemistry	8	666	--	--
	Force & Pressure	--	--	--	--
	Magnetic effects on electric current	--	--	--	--
	Liquid Nitrogen	--	--	--	--
	Science V/s Miracle	--	--	--	--
<b>RSC T</b>	Acid, Bases & Salts	-	-	-	-
	Liquid Nitrogen shows	118	12,404	6	950
	Electricity & Magnetism	-	-	-	-
	Bio Science	-	-	-	-
	Anti Superstition Show	10	1,250	-	-
<b>RSC P Calicut</b>	Liquid Nitrogen show	37	2,850	16	845
	Chemical Reactions	2	140	-	
	Properties of light	2	160	-	
	Water	4	310	-	
	Chemistry in daily life	14	1560	2	90
<b>DSC G</b>	Electricity & Magnetism	12	360	-	-
	Science is fun	86	2,150	05	1130
	Anti superstition shows	73	2,073	-	-
	Liquid Nitrogen show	192	4,409	-	-
<b>DSC T</b>	Anti Superstition Shows	49	2,820	-	-
	Electricity & Its Effects	-	-	03	303
	Cryogenics (Liquid Nitrogen)	-	-	-	-

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

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
	Science is Fun	88	6,675	-	-
	Sound	-	-	-	-
	Light	-	-	-	-
	Air	-	-	-	-
	Heat	-	-	-	-



1. Science Demonstration Lecture on "Electricity & Magnetism organised by VITM
2. Science Demonstration Lecture on "Cold Show' organised by RSC T
3. Science Demonstration Lecture on Liquid Nitrogen show for students at RSCPC
4. Science Demonstration Lecture on Liquid Nitrogen show at DSC G
5. Science Demonstration Lecture on Liquid Nitrogen show at DSC G

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 12 (b) NATURE STUDY CAMPS:

Name of the Museum/Centre	Venue of the Camp	Duration of Camp (Date)	No of students	No of teachers
RSC T	RSC Tirupati	1 day 04-09-2022	33	2
RSC T	RSC Tirupati	1 day 19-2-2022	38	2



Nature Walk organised at RSC T on 4<sup>th</sup> September, 2022 a joint initiative with A Citizen Science Initiative of Indian Institute of Science Education & Research, Tirupati.

### 12 (c) ENVIRONMENT AWARENESS PROGRAMME:

Museum / Centre	Venue of the Camp	Duration of Camp (Days & Date)	No of students	No of teachers
RSCP Calicut	RSCP Calicut	1 day, 05-05-2022	26	1



Tree planting on World Environment Day at RSCPC

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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	686	33,456



### 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	4,124



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 12 (f) FILM SHOWS (VIDEO SHOWS):

Name of the satellite Unit/Centre	No of film shows	Total No of visitors
VITM, Bangalore	3,675	60,297
RSC, Tirupati	1	180
RSC P Calicut	2	348
DSC, Gulbarga	1,279	9,878
DSC, Tirunelveli	22	1,850

### 12 (g) 3D SHOWS:

Name of the satellite Unit/Centre	No of 3Dshows	Total No of visitors
VITM, Bangalore	4,018	1,57,802
RSC, Tirupati	1,791	52,289
RSC P Calicut	2,710	2,54,320
DSC, Gulbarga	1,747	36,582
DSC, Tirunelveli	1,270	36,051

### 12 (h) POPULAR SCIENCE LECTURES:

(Includes Online – Webinars)

Venue	No. of Lectures	No of audience
VITM, Bangalore	16	2,450
RSC, Tirupati	11	5,355
RSC P Calicut	22	2,380
DSC, Gulbarga	13	2,805
DSC, Tirunelveli	08	1,052

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 *	124	3,607
RSC P Calicut*	1,578	3,00,572
DSC, Gulbarga *	373	6,571
DSC, Tirunelveli *	---	---

\* Digital Planetarium

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 12 (j) SCIENCE QUIZ:

Name of the Museum	No of Quiz Contest held	No of participants	No of Audience
VITM, Bangalore	42	1,586	2,031
RSC, Tirupati	24	1,674	2,753
RSC P Calicut	12	470	45
DSC, Gulbarga	36	2,006	481
DSC, Tirunelveli	16	1,355	1,598

### 12 (k) SKY OBSERVATION PROGRAMMES:

Name of Museum	No of Programmes held	No of participants
VITM, Bangalore	1	150
RSC, Tirupati	33	2,570
RSC P Calicut	62	6,514
DSC, Gulbarga	65	1,415
DSC, Tirunelveli	53	1,965

### 12 (l) VIDEO PROGRAMMES OR COMPUTER SOFTWARE/MULTIMEDIA PROGRAMMES DEVELOPED

<b>VITM, Bangalore</b>	
1	Genetic Disorder software for MSE Model on Genetics for CCMB, Hyderabad
2	Genetic Disease software for MSE Model on Genetics for CCMB, Hyderabad
3	Success stories software for MSE Model on Genetics for CCMB, Hyderabad
4	Treatment of Genetic Diseases Animation and videos for MSE Model on Genetics for CCMB, Hyderabad
5	Dominant Vs Recessive traits Animation and videos for MSE Model on Genetics for CCMB, Hyderabad
6	Genetic Marriage among relative Animation and videos for MSE Model on Genetics for CCMB, Hyderabad
7	Spices software for Seeds of Culture exhibition
8	50 Drugs software for Seeds of Culture exhibition
9	Images for Herbarium software for Seeds of Culture exhibition
10	Hortus Malabaricus software for Seeds of Culture exhibition
11	Plant Animal Interaction software for Seeds of Culture exhibition
12	Video of Indigo station for Seeds of Culture exhibition
13	Virtual walkthrough of Seeds of Culture exhibition
14	Short video of for Seeds of Culture exhibition
<b>RSC Tirupati</b>	
	Video Presentation on Nobel Prizes 2022
<b>RSC P Calicut</b>	
	Splendour of the Night Sky -Video programme

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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	34 <sup>th</sup> Southern India Science Fair 27 <sup>th</sup> to 31 <sup>st</sup> January 2023 at Chaldean Syrian Hr.sec. School, Thrissur, Kerala	Zonal	169	240	--	169	7,500
RSC T	RSC Tirupati 13 <sup>th</sup> -14 <sup>th</sup> November 2022	District	42	170	-	84	1,913
DSC G	Dist. Level Science Fr DSC G 26.12.2022	District Level	36	55	-	46	850



Participants interacting with visitors at Southern India Science fair organised by VITM at Thrissur



Science Fair on 'STEM Education' organised during Children's Day Celebration on 13<sup>th</sup> & 14<sup>th</sup> November, 2022 at RSC T

Participants at Dist. Level Science Fair at DSC

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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 2022-23 was **Basic Sciences for sustainable development – Challenges and Prospects**'

Museum/ Centre	Venue & Date	District/ Zonal/ State Level	No of students	No of Participating Schools	No of Audience
VITM	Pondicherry State level Science Seminar 14 <sup>th</sup> September 2022 at G. G Hr. Sec. School, Kadirkamam, Puducherry	State	11	11	32
	Telangana State level Science Seminar 22 <sup>nd</sup> September 2022 at SCERT, Hyderabad	State	29	29	100
	Karnataka State level Science Seminar 29 <sup>th</sup> September 2022 at DIET, Shimoga	State	34	34	300
DSC G	DSC G & 17 <sup>th</sup> September 2022	District	32	16	93



Karnataka State Level Science Seminar held at Shimoga



Pondicherry State Level Science Seminar held at Kadirkamam,



Telangana State Level Science Seminar held at Hyderabad



Dist. Level Science Seminar held at DSC G

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**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	--		14		
No. of Creative Ability Centres	--		14		
No. of Students involved in above	--		42		
No. of Vacation CAC in museum	4	2	4		
No. of Students involved in above	53	171	86		
No. of Projects completed in above	27	96	15		

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	5 Days 25 <sup>th</sup> to 29 <sup>th</sup> April 2022	Chemistry	15
		5 Days 25 <sup>th</sup> to 29 <sup>th</sup> April 2022	Electronics	14
		5 Days 2 <sup>nd</sup> to 6 <sup>th</sup> May 2022	Physics	12
		5 Days 2 <sup>nd</sup> to 6 <sup>th</sup> May 2022	Mathematics	12
RSC T	RSC T	7 Days 1 <sup>st</sup> to 7 <sup>th</sup> May 2022	Physics	13
		7 Days 1 <sup>st</sup> to 7 <sup>th</sup> May 2022	Robotics	25
		7 Days 8 <sup>th</sup> to 14 <sup>th</sup> May 2022	Chemistry	13
		7 Days 8 <sup>th</sup> to 14 <sup>th</sup> May 2022	Electronics	15
		7 Days 15 <sup>th</sup> to 21 <sup>st</sup> May 2022	Biology	13
		7 Days 15 <sup>th</sup> to 21 <sup>st</sup> May 2022	Art & Science	3
		7 Days 22 <sup>nd</sup> to 28 <sup>th</sup> May 2022	Astronomy	30

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

		7 Days 22 <sup>nd</sup> to 28 <sup>th</sup> May 2022	Computers	13
		7 Days 29 <sup>th</sup> May to 4 <sup>th</sup> June 2022	Gardening	6
		7 Days 29 <sup>th</sup> May to 4 <sup>th</sup> June 2022	Mathematics	7
		7 Days 19 <sup>th</sup> to 25 <sup>th</sup> June 2022	Astronomy	11
		7 Days 19 <sup>th</sup> to 25 <sup>th</sup> June 2022	Robotics	5
		6 Days 12 <sup>th</sup> to 17 <sup>th</sup> Jan 2023	Paper Electronics	30
DSC G	DSC G	Batch-I : 6 days 08 – 13 April 2022	Physics, Chemistry,	110
		Batch-II: 6 days 18 – 23 April 2022	Biology & Mathematics	128
RSC T	RSC T	6 days 25 <sup>th</sup> to 30 <sup>th</sup> April 2022	The Joy of learning Science'	26
		6 days 2 <sup>nd</sup> to 7 <sup>th</sup> May 2022	Physics & Astrophysics	17
		6 days 9 <sup>th</sup> to 14 <sup>th</sup> May 2022	Chemistry	21
		6 days 16 <sup>th</sup> to 21 <sup>st</sup> May 2022	Electronics	22
DSC T	DSC T	5 days 23 <sup>rd</sup> to 27 <sup>th</sup> May 2022	STEAM	18
		5 days 30 <sup>th</sup> May – 3 <sup>rd</sup> June 2022	Fun with Maths	10
		5 days 23 <sup>rd</sup> to 27 <sup>th</sup> May 2022	Basic Electronics	9
		5 days 30 <sup>th</sup> May – 3 <sup>rd</sup> June 2022	Basic Astronomy	12

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**



Summer Vacation Hobby Course in Electronics &



Chemistry at VITM



Summer Vacation Hobby Course in Physics &



Mathematics at VITM



Summer Hobby Camp at RSC, Tirupati in Physics &



on Chemistry



Summer Hobby Camp at RSC T in Electronics &



Physics



Summer Hobby Camp at DSC G Chemistry &



Bio Science

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



Summer Vacation Hobby Course on 'Electronics' at DSC-T



Summer Vacation Hobby Course on "STEAM" at DSC-T

### 13 (e) SIT & DRAW / ESSAY WRITING:

Name of the Museum/ Centre	Venue	Date	Occasion	No. of Participants	Subject
<b>Sit &amp; Draw Contest</b>	<b>RSC T</b>	05-06-2022	World Environment Day	110	We Have Only One Earth, Lets Care of It'
		17-07-2022	Space (Moon Landing) Week	130	Journey of Apollo 11 to Moon
		06-08-2022	Hiroshima Remembrance Day	160	The World free of Nuclear Weapons
		16-09-2022	World Ozone Day	840	Global Cooperation Protecting Life on Earth
<b>Sit &amp; Draw Contest</b>	<b>RSCP C</b>	20.05.2023	International Museum Week	15	Science Museum-Your vision'
		7-10-2023	World Space Week	25	Rocket launch station
		22-04-2022	World Earth Day	15	Save Our planet
		01-02-2023	26 <sup>th</sup> Anniversary week	17	Human – Wildlife Conflict

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

<b>Sit &amp; Draw Contest</b>	DSC G	16.05.2022	International museum day	147	'Ancient Culture' 'Modern culture'
		05.06.2022	World Environment day	194	'Nature', "Environment pollution" "One Planet One Future"
		21.06.2022	International day of Yoga	73	'Yoga for healing Chronic illness'
		06.08.2022	Hiroshima Day	39	'Nuclear power – Clean and sustainable energy'
		22.08.2022	DAE Iconic week	246	- "Nuclear reactor", "Use of Nuclear Energy in Modern World" "Nuclear Energy – Clean & Green Energy"
		14.12.2022	National Energy conservation day	97	'Conserve Energy-Save our Future'
<b>Essay Writing Contest</b>	DSC G	30.06.2022	75th Year of Independence	35	India during and after the British rule'
		24.08.2022	DAE Iconic week	47	"The role of Nuclear Energy in Sustainable development"
		18.10.2022	Swachhta Pakhwada	21	"Go green to get India clean"
		03.11.2022	Vigilance awareness week	28	"My vision – Corruption free India"
		07.11.2022	Birth anniversaries of Sir C V Raman	37	"life and works of Sir C V Raman"
<b>Sit &amp; Draw Contest</b>	DSC-T	05-06-2022	World Environment Day	94	Our Planet Earth
		11-07-2022	World Population Day	78	The effect of over-population on development and Nature
		20-07-2022	International Moon Day	187	Moon Art
		27-10-2022	World Space Week	234	Life on Mars
		06-11-2022	Vigilance Awareness Week	36	Corruption Free India
		26-02-2023	DSC-T Anniversary Week	55	The Exhibit at DSC-T that Inspired me
		22-03-2023	World Water Day	124	Solutions for Future Water Crisis

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

<b>Essay Writing Contest</b>	DSC-T	24-07-2022	As a part of India's 75 <sup>th</sup> Anniversary of Independence	47	Growth of Science & Technology in Independent India
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Drawing Contest organised at VITM on International Day of Yoga



Poster *Painting Contest* at RSC T on ‘Significance of Ozone Layer’ during World Ozone Day



Drawing during the observation of Hiroshima day at DSC G



Essay contest on “The role of Nuclear Energy in Sustainable development” during the celebration of DAE Iconic week at DSCG



Drawing Contest on International Moon Day at DSC-T

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 14. 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	06-08-2022	200	60
2	RSC P Calicut	27 to 28-02-2023	40	20
3	DSC Gulbarga	17.02.2023	41	287
	DSC-T	23 & 24 -11-2022	29	05 Made 140 duplicated

#### (b) COMPUTER TRAINING PROGRAMME:

Name of the Museum/ Centre	No of Programmes	Duration	No. of participants	Subject
VITM	1	5 Days (16 <sup>th</sup> to 20 <sup>th</sup> May 2022)	21	NOKIA – VITM 5G workshop
	1	5 Days (16 <sup>th</sup> to 20 <sup>th</sup> May 2022)	17	A workshop on 'Hands on Activity on Arduino'
	1	5 Days (23 <sup>rd</sup> to 27 <sup>th</sup> May 2022)	14	A workshop on 'Internet of Things
RSC Tirupati	1	2 Days (27 <sup>th</sup> & 28 <sup>th</sup> January 2023)	30	Introduction to computer, basic hardware, functional and operational tools and introduction to Office tools.
RSC P Calicut	1	1 day 12 <sup>th</sup> July 2022	22	Python, Photoshop, Excel, PowerPoint.
DSC-T	01	01 Day	58	Cyber Security while using Mobile & Computer Apps



VITM 5G Workshop Nokia Lab Visit in May 2022



VITM Workshop on 'Arduino' in May 2022

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



Workshop on 'Internet of Things in May 2022 at VITM



Computer Training Programme at RSC T on 27<sup>th</sup> & 28<sup>th</sup> January, 2023 for Under Privileged Children (girls) from Real Society, Tirupati



Teachers Training programme for Govt. B.Ed college trainee teachers to develop low cost and no cost Science kits at DSC G in February 2023



Teachers Training Programme organised at DSC-T in developing Teaching Aids in November 2022

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 15. COMMUNITY PROGRAMMES:

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

Due to COVID – 19 pandemic, the Science Drama/ Puppetry/Other Forms of Performing Art was not held

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 1 <sup>st</sup> & 2 <sup>nd</sup> December 2022	65	1	64	300
	VITM	National Science Drama Festival 5 <sup>th</sup> & 6 <sup>th</sup> January 2023	75	1	80	590
RSCT	RSCT	Unique Skit on Awareness on Ozone		1	4	250
RSCP Calicut	RSCP Calicut	Puppetry workshop on the theme "VIRUS"	2	1	21	10
DSCG	DSC G	Dist. Level Science Drama	15	08	72	149



Children in Puppetry workshop at RSCPC



District level Science Drama contest on 'Science and Technology for the benefits of mankind' at DSC G in association with DIET Kamalapur, Kalaburagi

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

**(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	'Storytelling session Dinosaurs' for students of std 4 <sup>th</sup> to 7 <sup>th</sup>	VITM	1 Day (20 <sup>th</sup> May 2022)	102
	2	An MSE programme on 'Electricity & Magnetism' For Underprivileged children	Victory International AG Worship Centre, Kempapura Bangalore	1 Day (20 <sup>th</sup> May 2022)	172
	3	'Science Signbee' workshop	VITM	1 Day (23 <sup>rd</sup> September 2022)	20 students and 20 speech & hearing impaired students
	4	'Herbarium Workshop- Create Your Own Plant Specimen'	VITM	1 Day (28 <sup>th</sup> September 2022)	28 students 10 students of hearing impaired
	5	An awareness workshop on 'PoSH (Prevention of Sexual Harassment) at work place - legal provisions of social implications'	VITM	1 Day (27 <sup>th</sup> March 2023)	90- staff
RSC T	1	Computer Training Programme (For Under Privileged Children)	RSCT	2 Days 27&28 -01-2023	30
	2	Workshop on Mushroom Culture (for Home Makers)	RSCT	1 Day 08-03-2023	50
	3	Workshop on Kalamkari	RSCT	2 Days 19 & 20-05-2022	25
RSC P C	1	Interactive session with Blood disorder patients	RSCP Calicut	1 day 19-06-2022	75
	2	Interactive session on 'New Technologies in fisheries' for fisher man community	RSCP Calicut	2 hours 28-09-2022	30
	3	Happiness painting camp for differently abled students	RSCP Calicut	1 day 25-02-2023	30

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



Science Signbee workshop held at VITM



Herbarium workshop held at VITM



A Workshop on Kalamkari organised at RSC, Tirupati during International Museum Week

### 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	22
RSC P Calicut	11
DSC, Gulbarga	29
DSC, Tirunelveli	26

For details please refer Annexure – 5

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 17. TEMPORARY EXHIBITIONS:

Museum/ Centre	Title of Exhibition	Duration	No. of visitors	Borrowed from	No. of visuals	No. of working/ Animated Exhibits
VITM	Nobel Prizes 2021	1 <sup>st</sup> April 2022 to 31 <sup>st</sup> October 2022	2,95,214	--	6	--
	Nobel Prizes 2022	9 <sup>th</sup> December to 31 <sup>st</sup> March 2023	76,044	--	3	--
	Seeds of Culture	27 <sup>th</sup> July 2022 to 31 <sup>st</sup> March 2023	3,86,728	--	49	10
RSC T	Art Exhibition	16 <sup>th</sup> to 20 <sup>th</sup> May 2022	8,400	Tirupati Art Society	125	-
	Poster Exhibition Evolution of Indian National Flag	2 <sup>nd</sup> August To 31 <sup>st</sup> October 2022	31,350	-	6	-
	Panel Exhibition Nobel Prizes 2022	30 <sup>th</sup> December 2022 to 20 <sup>th</sup> January 2023	10,800	VITM, Bengaluru	13	1
	Portrait Paintings of Freedom Fighters from Telugu States	26 <sup>th</sup> to 30 <sup>th</sup> January 2023	2,800	Tirupati Art Society	133	-
<b>DSC T</b>	Nobile Prizes 2022	From 23-02 to 31- 03-2023	11,800	VITM	08	-



Art Exhibition organised at RSC, Tirupati May, 2022 during International Museum Day week



Temporary Exhibition on 'Nobel Prizes 2022' at DSC-T

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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	11
RSC, Tirupati	22
RSC P Calicut	6
DSC, Gulbarga	7
DSC, Tirunelveli	9

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**19. LIBRARY & INFORMATICS:**

Name of the Museum/ Centre	Item	Total holding as on 01-04-2022	No. Acquired during the year 2022-2023	No. Written off during the Year 2022-2023	Net holding as on 31-03-2023
VITM	Books	11,153	6	02	11,157
	Journals **	3	3	--	
	Film 16mm	242	-	-	242
	Video Tapes/	500	-	-	500
	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	-	-	1,902
	Journals *	24	12	-	36
	Film 16mm	8	-	-	8
	CD/DVD	198	-	-	198
DSC G	Books	822	-	-	822
	Journals **	0	-	-	0
	Film 16mm	0	-	-	0
	Video Tapes	43	-	-	43
	Slides	13 sets	-	-	13 sets
	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

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**20. PUBLICATIONS:**

Name of the Museum/ Centre	Name Of The Publication	Process	Number Printed	Expenditure Incurred (in Rs.)
VITM	Folder Cauvery Gallery	Multicolour digital printing	50	1,500-00
	Folder Seeds of Culture Exhibition	Multicolour Offset digital printing	500	7,080-00
	Poster Seeds of Culture exhibition	Multicolour Offset digital printing	1,000	7,375-00
	Souvenir National Drama Festival	Multicolour Offset digital printing	550	50,593-00
DSC G	Poster on "Nuclear Energy"	Color Digital Print outs	300	1,200.00

**21. CONSTRUCTION:**

Name of the Unit	Name of the work	Tender Value of Work * (Rs. In Lakhs)	Date of Commencement	Date of Completion
VITM	Electrical re wiring works in Ground floor, Mazanine floor, 1 <sup>st</sup> Floor, Visvesvaraya Industrial & Technological Museum	8,68,986-00	22-11-2022	12-12-2022
	SITC of FAÇADE lighting at Visvesvaraya Industrial & Technological Museum	7,80,000-00	March 2023	March 2023
	SITC of Passenger elevator for SRSC Rajahmundry	15,26,250-00	July 2022	December 2022
RSC T	SITC of lighting protection systems	1,97,650-00	07-07-2022	27-07-2022
DSC G	SITC of lighting protection systems	1,97,650-00	05-10-2022	13-10-2022
DSC T	SITC of Voltage stabilizer	4,32,998-00	20-07-2022	10-08-2022

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**22. PROCUREMENT OF EQUIPMENT:**

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

<b>Museum / Centre</b>	<b>Name of the Equipment</b>	<b>Date of procurement</b>	<b>Cost (Rs)</b>
<b>VITM</b>	1.STAR A/c Compressor	12-10-2022	15,576-00
	High Back chair with head rest	22-11-2022	22,420-00
	Biometric Identification tab	30-11-2022	66,600-00
	Booster charger card	03-01-2023	9,204-00
	NIKON D-7500	12-01-2023	83,500-00
	Cannon PIXMA GM4070 Inkjet Printer	24-01-2023	19,529-00
	Gimbal Ronin 3D Camera	08-02-2023	73,500-00
	Cannon PIXMA GM4070 Inkjet Printer	06-02-2023	19,529-00
	SITC of all in one KIOSK	14-02-2023	1,00,300-00
	Aqua guard water purifier	17-02-2023	48,000-00
	Computer rolling chair	01-02-2023	8,945-00
	Desktop computer with 22" Monitor	21-02-2023	59,949-00
	Visitors chair	21-02-2023	22,238-00
	HP Multifunction machines	21-03-2023	54,899-00
	SITC Projection	14-03-2023	6,74,910-00
	SITC Projection	14-03-2023	20,24,730-00
	Alliance PA system	27-03-2023	1,87,808-00
	PT2 Camera 360 <sup>0</sup> x 32	29-03-2023	2,41,192-00
	PT2 Camera IP66	29-03-2023	57,702-00
	Projector with fish eye lens	29-03-2022	1,36,920-00
	Water cooler	30-03-2023	24,750-00
	Pillar	16-03-2023	62,000-00
	HP Work station	2,06,000-00	31-03-2023
	HP Colour Jet laser	29-03-2023	1,08,226-00
	View Sonic	27-03-2023	20,285-00
Water cooler	31-03-2023	39,560-00	
Almairah	24-03-2023	21170-00	
<b>RSC P C</b>	Aadhar based Attendance System	10.06.2022	13939.00
	Thermal Printer	15.06.2022	12500.00
	Foucault's Pendulum	4.08.2022	2,24,098.00
	Buffer Machine	11.08.2022	17464.00
	Soldering Station	13.09.2022	6810.00

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

	Camera & Accessories	26.10.2022	24702.00
	Hard Disk - 2TB - External	16.11.2022	11400.00
	LCD Monitor - LG - 22"	16.11.2022	8699.00
	LCD Monitor - LG - 22"	5.12.2022	8499.00
	Tea Poy - Furniture	16.1.2023	8250.00
	. Monitor - LED - Zebronica	16.1.2023	6020.00
	Thermal Printer - Epson	16.1.2023	12500.00
	Gimbal - Mobile	18.1.2023	9990.00
	UPS - Numeric - 1 KVA	6.2.2023	6250.00
DSC G	Water Purifier (RO)	04.01.2023	57150.00
	Computer Chair	16.03.2023	9300.00
DSC T	Water Purifier	17-11-2022	49500.00
	Drilling Machine	03-02-2022	7670.00
	Router Machine	03-02-2022	5074.00
	Screwdriver Machine	03-02-2022	2900.00
	Battery 65 AH 12 V for 100 KVA Generator	28-03-2022	15485.00

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**23. PERSONNEL:**

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

Sl 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.	Vishnu V	Tech	Tech 'A'	Level - 2	17-10-2022	19,900	SSLC Intermediate, ITI Dip in EEE	25-05-1995
2.	Natarajan R	Tech	Tech 'A'	Level - 2	28-11-2022	19,900	SSLC, ITI	10-03-1988
3.	Chandra V	Tech	Tech 'A'	Level - 2	01-03-2023	19,900	SSLC, ITI	12-06-2000

**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	Baiju V	Tech 'F' -7	Tech 'G' L-9	60,400	65,200	24-05-2022
2	Anilan K	Tech 'F' -7	Tech 'G' L-9	60,400	65,200	19-06-2022
3	S M Haneef	Tech 'F' -7	Tech 'G' L-9	60,400	65,200	11-08-2022
4	Thiruselvam	Tech 'F' -7	Tech 'G' L-9	60,400	65,200	22-06-2022
5	Suryakanth	Tech Asstt 'A' L-5	Tech Asstt 'B' L-6	33,900	55,400	26-05-2022
6	Jyoti Mehra	Curator 'C' L-11	Curator 'D' L-12	88,400	91,400	15-10-2022
7	Kommu Navaram Kumar	Curator 'C' L-11	Curator 'D' L-12	80,900	83,300	27-12-2022
8	C R Suresh	SO, L-8	Dy. CoA, L-11	72,100	74,000	22-02-2023
9	Gantla Suresh	Curator 'B' L-10	Curator 'C' L-11	63,100	67,700	28-03-2022
10	Pradeep Golasangi	Tech 'A' L-2	Tech 'B' L-4	22,400	25,500	25-03-2023
11	P. Marie Lenin	Education Officer 'A' L-7	Education Officer 'B' L-9	53,600	58,000	29-03-2023
12	M. Thiraviaraja	E E L-11	SE L-12	83,300	88,700	22-03-2023
13	R Venkateshwarlu	Education Officer 'C' L-11	Education Officer 'D' L-12	80,900	86,100	28-03-2023
14	Shaik Rafi	Curator 'C' L-11	Curator 'D' L-12	76,200	78,800	28-03-2023

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**23 (c) TRANSFERS:**

Sl.No.	Full Name of personnel Shri/Smt/Ms	Designation	Transferred from....to...	Date of Relief/joining
1.	Suthan Abishek Y	Tech 'A'	C R T L to V I T M	04-04-2022
2	Adarsh Malhotra	SO	N S C D to V I T M	17-10-2022
3.	Dipu Das	Tech 'A'	V I T M to C R T L	24-06-2022
4.	P Krishnamurthy	TO 'B'	V I T M to D S C G	22-06-2022
5.	K S Nehru	Curator 'D'	K P S C to R S C T	30-06-2022
6	Pintu Biswas	OA Gr. I	B I T M to V I T M	10-11-2022
7	Sameera K V	OA Gr. I	V I T M to Science City	02-12-2022
8	Biswajit Majumdar	Driver Gr. II	NCSM Hqrs to RSC T	09-03-2023

**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	K A Asiff	TO A	VITM	Retirement	30-06-2022
2	K S Balachandran	PS	VITM	Retirement	31-05-2022
3	G A Prabavathi	OA Gr. I	VITM	Retirement	31-05-2022
4	G Devadoss	Exhibition Officer 'D'	VITM	Retirement	31-08-2022
5	S Rukmani	SO	VITM	Retirement	31-07-2022
6	R Rajeshwari	OA, Gr. I	VITM	Retirement	31-08-2022
7	G Yoganandam	Driver Spl Grade	VITM	Retirement	01-11-2022
8	N Narayana	Tech 'G'	VITM	Retirement	31-03-2023

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 24. MISCELLANEOUS:

#### 24 (a) DISTINGUISHED VISITORS

##### **VITM, BANGALORE**

1. Dr. Alok Kumar Shrivastava, Outstanding Scientist & Dy. Director, UR Satellite Centre, Bangalore.
2. Dr. K. VijayRaghavan, Emeritus Professor, NCBS, Former Principal Scientific Advisor to Govt. of India & Former Director, NCBS, Bangalore
3. Dr. V Rajaram, Director and Theatre Artist, Karnataka
4. Dr. Nagesh V Bettakote, Vice Chancellor, Karnataka State Dr. Gangubai Hangal Music and Performing Arts University, Mysuru
5. Smt. Arundathi Nag, Eminent Theatre Artist, Actress and Founder & the Managing Trustee, Ranga Shankara, Bengaluru
6. Shri Anirudh Jatkar, Popular Actor, Singer, Writer & Director, Bengaluru

##### **RSC, TIRUPATI**

1. Prof. O. Mohammad Hussain, Registrar, Sri Venkateswara University, Tirupati
2. Shri Srinivas, Senior Maintenance Engineer, Instrumentation Systems, Madras Atomic Power Station, Kalpakam
3. Shri Bhumana Karunakar Reddy , Hon'ble MLA, Tirupati Constituency
4. Dr. Maddila Gurumoorthy, Hon'ble MP, Tirupati

##### **RSC & P, Calicut**

1. Shri.A.K.Saseendran, Hon'ble Minister for Forests & Wild Life, Govt of Kerala
2. Shri.P.A.Muhammed Riyas, Hon'ble Minister for Tourism & Public works ,Govt Kerala
3. Dr Manoj P Samuel, Executive Director, CWRDM Kozhikode.
4. Dr. Rajesh V.J. Professor, Indian Institute of Space Science and Technology Thiruvananthapuram

##### **DSC Gulbarga : NIL**

##### **DSC, TIRUNELVELI**

1. Shri V.Vishnu, I.A.S., District Collector, Tirunelveli
2. Shri Santosh Kumar, I.P.S., Commissioner of Police, Tirunelveli City.
3. Shri Badarinaraya Murthy, Director, ISRO Propulsion Complex, Mahendragiri
4. Shri Rajapandian, Associate Director, ISRO Propulsion Complex, Mahendragiri

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**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	Shri M M K Balaji Project Coodinator, RSC Tirupati	All India Radio Tirupati FM	Udayaragam, Radio Talk- show (Earth Day 2022)	22-04-2022
	Srinivas Nehru K Project Coodinator, RSC Tirupati	All India Radio Tirupati FM	Udayaragam, Radio Talk- show (Ozone Day 2022)	16-09-2022
	Shri M M K Balaji Curator, RSC Tirupati	ABN Andhra Jyoti	Documentary on RSC Tirupati	12-10-2022
	Shri M M K Balaji Curator, RSC Tirupati	DD Sapthagiri	Sabhash Andhra Pradesh	15-10-2022
	Srinivas Nehru K Project Coodinator, RSC Tirupati	DD Sapthagiri	Sabhash Andhra Pradesh	15-10-2022
	N T Purushothama Edu. Asst 'B'	Sakshi TV	News: Lunar Eclipse	20-11-2022
	N T Purushothama Edu. Asst 'B'	N TV	News: Lunar Eclipse	20-11-2022
	N T Purushothama Edu. Asst 'B'	ABN Andhra Jyoti	News: Lunar Eclipse	20-11-2022
RSC P C	Sunil K M EO "C"	Asianet	Interview on Partial solar Eclipse	25.10.2022
	Jayant Ganguly TO C"	Kerala vision	Interview on Partial solar Eclipse	25.10.20222
	Binoj K EO "A"	News 18	Interview on Lunar Eclipse	08.11.2022
DSC T	Shri S M Kumar, DSO, DSC-T	Jaya TV, Thanthi TV, Maalai Murasu, Puthiya Thalaimurai TV Channels	Partial Solar Eclipse	25-10-2022
	Shri S M Kumar, DSO, DSC-T	Jaya TV, News Tamil, Maalai Murasu, Puthiya Thalaimurai TV Channels	International Museum Day Celebrations	27-07-2022
	Shri S M Kumar, DSO, DSC-T	All India Radio	Activities of DSC-T in the service of Society'	16-07-2022

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**24 (c) POPULAR LECTURES BY STAFF**

Centre	Venue	Date	Topic	Speaker(Shri/Mr)	Audience
VITM	U R Rao Satellite Centre, ISRO, Bengaluru	04-10-2022	Space & Sustainability	Smt. K. A. Sadhana, Director, VITM,	300
RSC T	Sri Padmavati Women's Degree & PG College, Tirupati	22-04-2022	"Make A Difference on Earth Day'	M M K Balaji, Project Coodinator, RSC Tirupati	580
	RSC Tirupati	21-07-2022	Odessey Apollo Mission	M M K Balaji, Project Coodinator, RSC Tirupati	280
	Ramathulasi Kalyana Mantapam	16-08-2022	Development of Science & Technology in India Since 75 years	M M K Balaji, Curator, RSC Tirupati	500
	Z P High School, SN Puram, Tirupati	15-09-2022	Protection of Ozone Layer & Our Responsibilities	Srinivas Nehru K Project Coodinator, RSC Tirupati	350
	All India Radio	15-09-2022	Protection of Ozone Layer & Our Responsibilities	Srinivas Nehru K Project Coodinator, RSC Tirupati	-
RSC P C	RSCP Calicut	01-07-2022	Screen addiction	Shri. Binoy Kumar Dubey Project Co Ordinator	60
	RSCP Calicut	13-03-2023	Brain Science	Shri.Jayanth Ganguly Technical Officer C	70
	RSCP Calicut	12-08-2022	Journey towards Absolute temperature	Shri.Sunil K M Education Officer C	65
	RSCP Calicut	21-08-2022	Food adulteration	Shri.Binoj K Education Officer A	55
DSC T	Kamarajar Hr. Sec. School, Pettai, Tirunelveli	22-07-2022	Importance of Road Safety – Role of Students	Shri S M Kumar, DSO, DSC-T	285
	St.Xavier's College of Education, Palayamkottai	14-10-2022	Salaam to Kalam	Shri S M Kumar, DSO, DSC-T	95
	St. John's College of Education, Veeravanallur	09-01-2023	Recent Trends in Science & Technology	P Marilenin, Education Officer	268
	St.John's College of Education, Palayamkottai	19-01-2023	Indian Cultural Heritage and Social Impacts	Shri S M Kumar, DSO, DSC-T	590
	Sadakathullah Appa College, Rahmath	19-01-2023	Nobel Prizes in Chemistry	Shri S M Kumar, DSO, DSC-T	590

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

	Nagar, Tirunelveli				
	Anna Statium, Tirunelveli	21-01-2023	Science of Sports	Shri S M Kumar, DSO, DSC-T	130

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

**SCIENCE PARK EXHIBITS :**

**V.I.T.M BANGALORE**

<b>Sl. No.</b>	<b>Name of the Exhibit</b>	<b>Sl. No.</b>	<b>Name of the Exhibit</b>
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**

<b>Sl. No.</b>	<b>Name of the Exhibit</b>	<b>Sl. No.</b>	<b>Name of the Exhibit</b>
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 2022-23

### 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	Psittacosaurus
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	15	Scientists - 8 Nos
2	Probability	16	Mathematical Totems -13 Nos
3	Rolling Discs		
4	DNA		
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		
13	Bouncing Balls		
14	2D to 3D		

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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 2022-23

### 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 2022-23

### 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  
(Pulfritch 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 2022-23

### PREHISTORIC ANIMAL PARK EXHIBITS

<b>Sl. No.</b>	<b>Name of the Exhibit</b>	<b>Sl. No.</b>	<b>Name of the Exhibit</b>
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 2022-23**

**ANNEXURE – 2**

**GALLERY EXHIBITS DEVELOPED:**

**VITM, BANGALORE**

<b>SI No</b>	<b>Name of the Exhibit Completed</b>	<b>Name of the Gallery for which it is made</b>	<b>Centre for which it is developed</b>
1.	Introduction	Seeds of Culture – Temporary Exhibition	VITM
2.	Ancient Healing traditions with model of Vyasa	--do--	--do--
3.	Ancient Healing traditions with manuscripts	--do--	--do--
4.	Healing Sacred plants	--do--	--do--
5.	Healing (herbarium of Bodhi plant leaves)	--do--	--do--
6.	Asia middle east trade routes	--do--	--do--
7.	Asia middle east trade routes with manuscript model	--do--	--do--
8.	Global trade routes in 1 <sup>st</sup> Century AD Global trade routes in 1 <sup>st</sup> Century AD with model	--do--	--do--
9.	Foreign Communities with Arab dhow	--do--	--do--
10.	Europeans in India Trade	--do--	--do--
11.	Photographs of Vasco d agamas Indian expedition	--do--	--do--
12.	Spices as medicines during the plague pandemic in Europe	--do--	--do--
13.	Plague Doctor (Model)	--do--	--do--
14.	Impact of Spices on the world	--do--	--do--
15.	Information of Turmeric	--do--	--do--
16.	Spice ship	--do--	--do--
17.	Plant dyes of India	--do--	--do--
18.	Plant dyes of India with models	--do--	--do--

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

19.	Process of Indigo plant dye	--do--	--do--
20.	Indigo Dying Station – Model	--do--	--do--
21.	Resources of traditional medical knowledge in India	--do--	--do--
22.	Models of transmitting medical knowledge – model of replica of palm leaf manuscript, iron stylus and Ink	--do--	--do--
23.	European outlook on India Medical Knowledge – 2nos	--do--	--do--
24.	European outlook on India Medical Knowledge – with a book shelf	--do--	--do--
25.	Hortus Indicus Malabaricus	--do--	--do--
26.	Hortus Indicus Malabaricus with digital flip book	--do--	--do--
27.	Model of Hendrik Adrian Van Rheedee to Drakenstein	--do--	--do--
28.	Hortus Malabaricus on International Collaboration with a model of original book of Hortus Malabaricus	--do--	--do--
29.	Panel on Hortus Malabaricus	--do--	--do--
30.	Herbarium	--do--	--do--
31.	Herbarium with virtual herbarium	--do--	--do--
32.	Herbaria of India (at TTD Bangalore)	--do--	--do--
33.	Evolution of Plant forms	--do--	--do--
34.	Evolution of Plant forms with model	--do--	--do--
35.	Plant - Animal interaction	--do--	--do--
36.	Plant - Animal interaction with kiosk and projection	--do--	--do--

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

37.	Harvesting of medicinal plants	--do--	--do--
38.	Right time to harvest plants (with rotating disc)	--do--	--do--
39.	Plants that fight human disorders ( 2nso)	--do--	--do--
40.	Harvest festivals of India	--do--	--do--
41.	Plants for Human health	--do--	--do--
49.	Human body model	--do--	--do--
50.	Different plants	--do--	--do--
51.	Acknowledgments	--do--	--do--
52.	NCSM	--do--	--do--
53.	NCSM Kolkata	--do--	--do--
54.	VITM Bengaluru	--do--	--do--
55.	Chinese Fishing net	--do--	--do--
56.	Aliguli Mane	--do--	--do--
57.	Spice ship	--do--	--do--
58.	Coastal Zone	--do--	--do--
59.	Western Zone	--do--	--do--
60.	Desert Zone	--do--	--do--
61.	Trans Himalayan Zone	--do--	--do--
62.	Spice Garden (with 6 live plants)	--do--	--do--
63.	Mural of a tree with seeds as apices, seeds of playing games	--do--	--do--
64.	Seeds as jewellery, seeds as Medicine	--do--	--do--
65.	Nobel Prizes 2022 – Physics	--do--	--do--
66.	Nobel Prizes 2022 – Chemistry	--do--	--do--
67.	Nobel Prizes 2022 – Physiology & Medicine	--do--	--do--
68.	Lisaguous Figure	'Portable/compact (Table top) Exhibits'	Periyar Science and Technology Centre (PSTC)

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

69	Infrared Radiation	--do--	--do--
70	Absorption	--do--	--do--
71	Crystal Defects	--do--	--do--
72	Catenary Arch	--do--	--do--
73	Chaotic Motion	--do--	--do--
74	Velvet Hand	--do--	--do--
75	Illusion	--do--	--do--
76	Tangram	--do--	--do--
77	Curie Point	--do--	--do--
78	Bucket Radio	Fun Science Gallery	SRSC Rajahmundry
79	Snake Pendulum	--do--	--do--
80	Avalanch	--do--	--do--
81	Air Cannon	--do--	--do--
82	Lisaguous Figures	--do--	--do--
83	Vortex	--do--	--do--
84	Liquid Painting	--do--	--do--
85	Water Worries	Water Gallery	--do--
86	The Dry Run (Surface water status)	--do--	--do--
87	A Scarce Resource for all (Global water crisis)	--do--	--do--
88	Preserve or Perish (Ground water story)	--do--	--do--
89	Shrinking Sources (Ground water story)	--do--	--do--
90	Whatever you call it (Names of water on Water Screen)	--do--	--do--

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

91	The More the gloomier (Population Problem)	--do--	--do--
92	This much (Total Water)	--do--	--do--
93	Where is it? (Where is the fresh water located?)	--do--	--do--
94	Dinosaurs had it (Water Cycle)	--do--	--do--
95	Waste not want not (Waste Water)	--do--	--do--
96	Push pull recovery (Waste Water Recycling)	--do--	--do--
97	Water smart agriculture (Agricultural Water)	--do--	--do--
98	Life in water, water in life (Biology of water)	--do--	--do--
99	All foods cooked in plants (Photosynthesis)	--do--	--do--
100	Nation's Share (National Water Foot Prints)	--do--	--do--
101	Did You know (Info wall)	--do--	--do--
102	My Share (Virtual Water exploration)	--do--	--do--
103	Catch when it falls (Rain water Harvesting)	--do--	--do--
104	Genes make us DIVERSE	MSE Exhibits	CCMB, Hyderabad
105	Inheritance – looks 'Famil(y)'ier!!	--do--	--do--
106	Chromosomes – A recipe book of traits	--do--	--do--
107	DNA- What makes you, You!	--do--	--do--
108	CODONS-Script for reading the proteins	--do--	--do--
109	Types of mutations	--do--	--do--
110	Inheritance of Health- It runs in the family	--do--	--do--
111	Single-gene disorders	--do--	--do--
112	Inheritance of Beta Thalassemia	--do--	--do--
113	Success Stories	--do--	--do--

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### KITS/AIDS DEVELOPED

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### RSC, TIRUPATI

Sl. No.	Name of the exhibit	Name of the Gallery for which it is made	Centre for which it is developed
1	Virtual Game	Emerging Technology	RSCT
2	Morphing	--do--	--do--
3	Virtual Makeup	--do--	--do--
4	Video Corner	--do--	--do--
5	Quiz Corner	--do--	--do--
6	Nuclear Technology	--do--	--do--
7	Lissajous figures	Gallery	Tamil Nadu State Council for Science and Technology, Chennai
8	Curie Point	--do--	--do--
9	Velvet Cloth Illusion	--do--	--do--
10	Chaos	--do--	--do--
11	Water Wheel	Science Park	RSCT
12	Musical Plates	--do--	--do--
13	Dimetrodon	Pre Historic Life Park	--do--
14	Eye as a Camera	Science Park	--do--
15	Optical Communication	Emerging Technology	--do--
16	Earth Moon System	Science Park	--do--
17	World Minus Colours	--do--	--do--
18	Liquid Painting	Popular Science Gallery	--do--
19	See Your Voice	--do--	--do--
20	Nano Biovalves	Emerging Technology	--do--
21	Seeing Is Not Believing	Popular Science Gallery	--do--
22	Perceiving Depth	Science Park	--do--

### ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

23	Cone Runs Uphill	--do--	--do--
24	Archimedes	--do--	--do--
25	Illusion With Rings	Our Senses	--do--
26	Muscle Energy	Non Conventional Energy Resources	--do--
27	Panel Exhibition on Nobel Prizes 2022	Temporary Gallery	--do--
28	Kaleidoscope	Popular Science Gallery	--do--
29	Frozen Shadow	--do--	--do--
30	Peep in to the Matter	Our Uinverse	RSCT
31	Inclined Plane	Science Park	--do--
32	Moiré patterns	--do--	--do--
33	Hologram	Popular Science Gallery	--do--
34	Single Gene Disorder	Gene Health Connect MSE	VITM
35	Beta Thalassemia	--do--	--do--
36	Prevention is better than cure	--do--	--do--

### KITS/AIDS DEVELOPED

Sl No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Electric Bell	Kit	RSCT
2	Electromagnet	--do--	--do--
3	Lunar Calender Disc	--do--	--do--
4	Hydroponics	--do--	--do--
5	Sun Scale	--do--	--do--
6	Shadow Play Sundial	--do--	--do--
7	3D Hologram	--do--	--do--
8	Sympathetic Pendulum	--do--	--do--
9	Gyro Wheel	Kit (SDL)	--do--

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

10	Paper Electronics (10 Experiments)	Kit (CAC)	--do--
11	Centre of Mass	Kit	--do--
12	Centrifugal Force	--do--	--do--
13	Geometry Puzzle	Kit (SDL)	--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.	Epicycle	MSE on Mathematics	RSCP Calicut
2.	Fibonacci Sequence	--do--	--do--
3.	Quadrature	--do--	--do--
4.	Pythagoras	--do--	--do--
5.	Congurence & Similarity	--do--	--do--
6.	Find The Height?	--do--	--do--
7.	Conic Section	--do--	--do--
8.	Volume Of Revolution	--do--	--do--
9.	Surface & Geometry	--do--	--do--
10.	Pentomino Calendar	--do--	--do--
11.	Platonic Solids	--do--	--do--
12.	Reflective Property of An Ellipse & Parabola	--do--	--do--
13.	Shortest Path Problem	--do--	--do--
14.	Map Colorizing Puzzle	--do--	--do--
15.	Roll To Feel Periodicity	--do--	--do--
16.	Euler's Polyhedron	--do--	--do--
17.	Symmetry	--do--	--do--

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### KITS/AIDS DEVELOPED

SI No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1.	Lever Reduces Effort	Kit	RSCP Calicut
2.	Galton board	--do--	--do--
3.	Cone Runs Up hill	--do--	--do--

### DSC, GULBARGA Exhibits Developed/ KITS/AIDS DEVELOPED

SI No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Turn faster (Renovated)	Park Exhibit	DSCG
2	Fibonacci Gauge	Kit	Hobby Centre
3	Geo-board	--do--	--do--

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**ANNEXURE – 3**

**POPULAR SCIENCE LECTURE**

**VITM, BANGALORE**

<b>Sl. No.</b>	<b>Date</b>	<b>Topic</b>	<b>Name of the speaker</b>	<b>Venue</b>	<b>Audience</b>
1	19-04-2022	'ARYBHATA – a major mile stone in Indian Space Programme	Dr. B. R. Guruprasad, Scientist 'SG'/Associate Director (PR), ISRO (Retired), Bangalore	V I T M	158
2	18-05-2022	'Power of Museums – Achieving sustainability'	Mrs. Chitra Vishwanath, Principal Architect and Managing Director, Biome Environmental Solutions Private Limited, Bangalore	V I T M (Online)	50
3	05-06-2022	Only One Earth - Living Sustainably in Harmony with Nature" - Focus on sustaining the future of Bengaluru	Shri. Akshay Heblikar, Director, (Trustee & Director – Projects, Member – Biodiversity Management Committee, BBMP, Bangalore, KINSHIP Fellow, USA).	V I T M	115
4	21-06- 2022	'Yoga for Humanity'	Dr. S. N. Omkar, a Renowned Yoga Expert and Chief Research Scientist, Dept. of Aerospace Engineering, Indian Institute of Science, Bengaluru	V I T M	60
5	22-07-2022	'Over the Moon with Chandrayaan'	Dr. Alok Kumar Shrivasthava, Outstanding Scientist & Dy Director, Mechanical Systems Area, U R Rao Satellite Centre, ISRO, Bangalore.	V I T M	285
6	23-08- 2022	'Stories of Plants & Culture'	Prof. P. V. Shivaprasad, Associate Professor, Associate Dean of Faculty, National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research (TIFR), Bangalore.	V I T M	230
7	15-09- 2022	'The Marriage of Science & Engineering in understanding Structures'	Dr. J. M. Chandra Kishen, Professor, Dept. of Civil Engineering, Indian Institute of Science, Bangalore.	V I T M	174
8	30-09- 2022	'Sustainability Eco Friendly Building' was delivered	Mr. Prashanth Palanisamy, Director – Design, Goodeath Building sustainable Communities	V I T M	230

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

9	07-10-2022	Story of Satellites'	Dr. Anuradha T K, Former Director, SATCOM – ISRO, ISRO Hqrs, Bangalore.	V I T M	137
10	13-10-2022	Disaster Risk Reduction	Mr. Sunand Sampath, Expert in Disaster Management, Bengaluru	V I T M	175
11	09-12-2022	'Quantum Entanglement and Teleportation	Dr. N S Vidhadhiraja, Professor & Dean, Fellowships and Extensions, Theoretical Physics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru.	V I T M	50
12	10-02-2023	Cyber Safety in the Digital Era'	Ms. Sailaja Vadlamudi, Senior Director, Security & Privacy, SAP Labs India	V I T M	288
13	27-02-2023	'The Chemical Language of India's Ecosystems'	Prof. Shannon B. Olsson, PhD. Naturalist-Inspired Chemical Ecology (NICE), National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research, Bengaluru	V I T M	150
14	28-06-2023	'The story of our adventures to hear the Whispers of Hydrogen atoms that surround the first stars born in this Universe'	Prof. N. Udaya Shankar, Formerly with Raman Research Institute, Bengaluru.	V I T M	100
15	08-03-2023	'Life in a Microcosm'	Prof. Reene M. Borges, Centre for Ecological Sciences, Indian Institute of Science Bengaluru.	V I T M	163
16	17-03-2023	'Indian Botanical Medical Knowledge and European Colonial Enterprise in the 16-18 <sup>th</sup> Centuries'	Dr. Annamma Spudich, Former Visiting Scholar of NCBS, Bangalore.	V I T M	100

**RSC TIRUPATI**

SI. No.	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	05-06-2022	Only One Earth	Dr N. Sathyanarayana Raju, Chairman, Bharathiya Vidya Bhavan's Sri Venkateswara Vidyalaya	RSCT	130

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

2	21-06-2022	'Yoga for Humanity	Dr. B N Sudhakar Reddy, former founder chairman of Yoga Association, Tirupati	RSCT	65
3	01-07-2022	Role of the Doctor's in Society	Prof. Alladi Mohan, Professor, Head, Department of Medicine, Sri Venkateswara Institute of Medical Sciences (SVIMS) Tirupati	RSCT	180
4	21-07-2022	Odyssey Apollo Mission	M M K Balaji, Curator, Regional Science Centre, Tirupati	RSCT	230
5	28-08-2022	Nuclear Energy: Clean & Green	Shri Srinivas, Senior Maintenance Engineer, Instrumentation Systems, Madras Atomic Power Station, Kalpakam	RSCT	280
6	15-09-2022	Latest Technologies and Engineering Marvels	Dr. Rajanikanth Veluru, Professor, Chadalawada Ramanamma Engineering College, Tirupati.	RSCT	110
7	16-09-2022	Significance Of Ozone Layer and Why Should We Protect It	Prof. K. Vijayamohana Pillai, Professor & Chair, Chemistry and Dean (R&D, Indian Institute of Science Education & Research Tirupati	RSCT	270
8	30-12-2022	Beam me up! From Fiction to Reality	Dr. Sambuddha Sanyal, Assistant Professor, Dept. of Physics, Indian Institute of Science Education and Research (IISER) Tirupati	RSCT	300
9	30-12-2022	Biological Applications of CLICK Chemistry	Dr. Rajesh Viswanathan, Associate Professor, Associate Dean, Dept. of Chemistry & Biology, Indian Institute of Science Education and Research (IISER) Tirupati	RSCT	300
10	30-12-2022	Paleogenetics: Tracing Human Origin	Dr. K. V. Saritha, Associate Professor, Head & B.O.S Chairman, Dept. of Bio-Technology, Sri Venkateswara University, Tirupati	RSCT	300
11	14-01-2023	Role of Birds in Ecological Balance	Shri Karthikeyan, Ornithologist, Tirupati	RSCT	280

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**RSC P CALICUT**

Sl. No.	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	9-05-2022	Evolution of Chemistry	Prof.K.Koyatti Rtd Professor of Chemistry Farook College	RSCP Calicut	110
2	10-05-2022	Chemistry-Objectives &Scope	Dr.Abdul Mujeeb Rtd Director,School of Physical and Chemical Sciences, University of Calicut	RSCP Calicut	115
3	11-05-2022	Bio composites for better living	Dr.A.SujithProf&HOD Of Chemistry NIT Calicut	RSCP Calicut	120
4	12-05-2022	Water Quality Assessment	Dr.Shiji.M Technical Officer, Ecology &Environment Research group,CWRDM	RSCP Calicut	110
5	13-05-2022	Chemistry of Fragrance Colours,flavour of fruits&flowers	Dr.Shalina Begum Asst Pofessor of Chemistry Farook College	RSCP Calicut	105
6	14-05-2022	Water, Elixir of life	Dr.Madhavan Komath Rtd Scientst, CWRDM	RSCP Calicut	120
7	5-06-2022	Ore Oru Bhoomi	Prof. K Sreedharan, (Rtd Professor), St Joseph's College, Devagiri	RSCP Calicut	100
8	19-06-2022	How to Control Sickle cell disease	Dr. B. Hitha, Consultant Hematologist	RSCP Calicut	100
9	21-06-2022	Yoga for Humanity	Yoga for Humanity Shri. P. Unniraman, Director, Patanjali Yoga Research Centre	RSCP Calicut	85
10	01-07-2022	Screen Addiction & Gaming disorder	Dr.Varsha Vidyadharan, Assistant Professor, Dept. of Psychiatry, Govt. Medical College, Kozhikode	RSCP Calicut	110
11	01-07-2022	Psychological problems due to Mobile phone	Shri. Sonu S Dev, Clinical Psychologist, IMHANS Kozhikode	RSCP Calicut	90
12	22-07-2022	Lunar Exploration and Chandrayaan Mission	Dr. Rajesh V.J. Professor, Indian Institute of Space Science and Technology Thiruvananthapuram	RSCP Calicut	115

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

13	21-07-2022	Probing the Astrophysics of Galactic Nuclei with EHT'	Dr. Preeti Kharb Scientist, NCRA-TIFR, Pune	RSCP Calicut	105
14	25-09-2022	Peering deep into the Universe with JWST'	Dr. Manoj Puravankara, Scientist TIFR Mumbai	RSCP Calicut	120
15	01-11-2022	Corruption free India for a developed nation	Shri. Jnanadevan. R, Dy. Director & Vigilance Officer (Retired)	RSCP Calicut	95
16	30-10-2022	'Mystery of Dark Matter and Dark Energy'	Dr. Subinoy Das, Scientist IIA Bangalore	RSCP Calicut	110
17	20-02-2023	Learning Science and Scientific temper	Dr.P.K.Thilak Former Research officer SCERT	RSCP Calicut	115
18	20-02-2023	Ignite the Mind	Shri.Shafeeque Katharammel Zone trainer JCI	RSCP Calicut	95
19	21-02-2023	Education during the era of AI	Ommer Abdusalam Chief Executive Officer IDAPT	RSCP Calicut	110
20	27-02-2023	The World of IoT &AI	Shri.Sreeram M Assistant Professor Govt Engineering College Kozhikode	RSCP Calicut	120
21	28-02-2023	Global Science for Global Wellbeing	Dr. P. Mohammed Shafi, Professor, Department of Chemistry.	RSCP Calicut	110
22	03-03-2023	Biodiversity	Dr.Muhammed Rafeeq Professor (Rtd) Dept of Zoology Malabar Christian College	RSCP Calicut	120

**DSC GULBARGA**

Sl.No.	Date	Topic	Name of the Speaker	Venue	Audience
1.	07.04.2022	'Our Planet, Our Health'	Dr. Malhar Rao Malle, Family Physician, Malle Clinic, Kalaburagi	DSCG	215
2.	20.05.2022	"Science, Culture and Society"	Prof. M.S. Jogad, Sir CV Raman Scientist Awardees, Former Professor, Dept. of Physics, SB College, Kalaburagi	DSCG	161
3.	11.07.2022	'Building a resilient future for all'	Dr. Gururaj N.A. Asst Professor, Dept. of Community Medicine, GIMS Hospital, Kalaburagi	DSCG	168

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

4.	22.08.2022	'Nuclear Energy- Clean & Green Energy'	Dr. S. M. Hanagodimath, Prof. of Physics, Gulbarga University	DSCG	134
5.	23.08.2022	'Advantages and Challenges of Nuclear energy'	Shri Sripad Joshi, Professor, Dept. of Physics, NV Degree College, Kalaburagi	DSCG	146
6.	24.08.2022	'The role of Nuclear Energy in Sustainable development'	Shri Aravind Dyama, Professor, Dept. of Physics, Govt. Women's First Grade College, Kalaburagi	DSCG	95
7.	25.08.2022	'Nuclear Energy'	Dr. M. S. JOGAD, Professor of Physics & Chairman, Adv. Committee KSCST, Kalaburagi	DSCG	251
8.	15.09.2022	'Life & works of Sir M Visvesvaraya'	Dr. Suresh G Patil, Professor, Dept. of Civil Engineering, Sharanabasava University, Kalaburagi	DSCG	177
9.	16.09.2022	Earth's Atmosphere, Importance of Ozone layer and Climate change'	Shri S K Inganakal, Professor, dept. of Civil Engineering, PDA Engg College, Kalaburagi	DSCG	168
10.	29.09.2022	'Use Heart for Every Heart'	Dr. Goutam Yelsangikar, Asst. Professor, Cardiology, Sri Jayadeva Institute of Cardiovascular Sciences and Research, kalaburagi	DSCG	287
11.	17.02.2023	'Effective classroom communication using models'	Shri G. M. VijayaKumar, Principal & JDPI, Govt. College of Teacher Education, Kalaburagi	DSCG	41
12.	28.02.2023	"Life & Works of Sir CV Raman"	Smt. N. K. Parijata, Selection Grade Lecture, E&CE Dept, NV Society's Polytechnic, Kalaburagi	DSCG	179
13.	22.03.2023	'Accelerating change to solve the water & sanitation crisis'	Dr. S.R. Mise, Principal, PDA Engineering College, Kalaburagi	DSCG	157

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### DSC, TIRUNELVELI

SL NO	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	11-05-2022	Science & Technology for Sustainable Future	Dr V Gomathi, Professor & Head, Dept. of Computer Science & Engineering, National Engineering College, Kovilpatti	DSC-T	78
2	22-07-2022	Over the Moon with Chandrayaan	Shri Gowthaman, Manager, EZ & IE, ISRO Propulsion Complex, Mahendragiri	DSC-T	148
3	15-09-2022	Applications of Embedded System	Dr A Ravi, Professor, Dept. of Electrical & Electronics Engineering, Francis Xavier Engineering College, Tirunelveli	DSC-T	156
4	21-11-2022	Restoration of Social-Ecological Systems of Tamiraparani Riverscape: Let us all do it	Shri M Mathivanan, Co-ordinator & Sr. Research Associate, ATREE Trust, Tirunelveli	DSC-T	86
5	23-02-2023	The Genomes of Extinct hominins and Human Evolution	Dr S Sudhakar, Professor, Dept. of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	DSC-T	157
6	27-02-2023	Science Museums – Present & Future	Dr M A Neelakandan, Sr. Dean, National Engineering College, Kovilpatti	DSC-T	135
7	28-02-2023	Global Science for Global Wellbeing	Dr C Raja Babu, Associate Professor, Tamilnadu Agricultural University, Aruppukottai, Tamilnadu	DSC-T	134
8	22-03-2023	Way to Solve the Water Crisis	Shri Prem Deva Anand, Assistant Engineer, PWD, Tirunelveli	DSC-T	158

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



1. Popular Science Lecture by Dr. Alok Kumar Shrivastava, Outstanding Scientist & Dy Director, Mechanical Systems Area, U R Rao Satellite Centre, ISRO, Bangalore on 'Over Moon with Chandrayaan' on 22-07-2022.
2. Popular Science Lecture by Prof. P. V. Shivaprasad, Associate Professor, Associate Dean of Faculty, National Centre for Biological Sciences (NCBS), (TIFR), Bangalore on 'Stories of Plants and Culture' on 23-8-2022.
3. Popular Science Lecture by Dr. Anuradha T K, Former Director, SATCOM – ISRO, ISRO Hqrs, Bangalore delivered the talk on 7<sup>th</sup> October 2022 on 'Story of Satellites'.
4. Popular Science Lecture by Prof. Shannon B. Olsson, PhD. Naturalist-Inspired Chemical Ecology (NICE), National Center for Biological Sciences (NCBS), TIFR, Bangalore on 'The Chemical Language of India's Ecosystems' on 27-02-2023
5. Popular Science Lecture on the topic 'Significance of Ozone Layer' delivered by Prof. K. Vijayamohana Pillai, Professor & Chairman, Chemistry and Dean (R&D, Indian Institute of Science Education & Research Tirupati, at RSC, Tirupati on 16<sup>th</sup> September 2022
6. Popular lecture on Lunar Exploration and Chandrayaan Mission by Dr V R Rajesh Professor IIST , Thiruvananthapuram, during Moon landing week at RSCP C

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



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7. Popular lecture on 'Recent Trends in Herbal Medicine' by Dr. G.M. Vidyasagar, Professor, Dept. of Botany, Gulbarga University, Kalaburagi, during Anniversary Celebration of DSC G .

8. Popular Science Lecture on 'Embedded Controller in Robotics Applications' on 15<sup>th</sup> September 2022. Dr A Ravi, Professor, Dept. of Electrical & Electronics Engineering, Francis Xavier Engineering College, at DSC T

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

**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	Generator
4	Orested Experiment

5	Bimetallic switch
6	Sound Generator
7	Resonance
8	Image formation
9	Electric Bell
10	Bird in the Cage

**Electronics**

Sl. No	Name of the Projects
1	Multitone Musical bell
2	LED Blinker
3	Optical Switch

**Mathematics**

Sl. No	Name of the Projects
1	Summation of First N natural numbers,
2	Summation of first N odd numbers
3	Summation of first N even numbers,
4	Basic formulas of Algebra
5	Mobius Band,

6	Prime Number Chart
7	Golden Spiral,
8	Golden Rectangle,
9	Golden Triangle,
10	Fibonacci Sequence
11	Platonic Solids (Set of 5 models)
12	Pascal Triangle,
13	Mathematical Puzels

**RSC, TIRUPATI**

Sl. No	Name of the Projects	Sl. No	Name of the Projects
<b>Biology</b>			
1	Onion Peel Experiment (Plant Cell)	5	Leaf Disc Experiment
2	Stomata & Gas exchange Experiment	6	Extraction of DNA
3	Buccal Cavity Experiment (Animal Cell)	7	Study of Yeast
4	Study if Yeast & Fermentation	8	Study of Blood and Blood Grouping

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

<b>Gardening</b>			
1	Soil Preparation for Gardening	5	Vegetative Reproduction methods (Stem Cuttings)
2	Compost Manure Making	6	Introduction to Garden friendly Insects
3	Weeds Identification	7	Grafting Techniques
4	Moss Stick Making	8	Hydroponics
<b>Fun With Optics (Physics)</b>			
1	Electro Magnet	5	Effect of Magnetic Field in Straight Conductor
2	Electric Bell	6	Effect of Magnetic Field in Circular Conductor
3	Oersted Experiment	7	Lenz Law
4	Electro Motive Force		
<b>Art &amp; Science</b>			
1	Kalamkari	3	Colour Mixing
2	3D Drawings	4	Dot to Image
<b>Mathematics</b>			
1	Platonic Solids	4	String Art
2	Vedic Mathematics	5	Fractions with Clay
3	Geoboard	6	Tessellation
<b>Electronics</b>			
1	Introduction to Electronic Components	5	
2	Parallel and Series Connections		
3	Parallel and Series Resistor Circuit		
4	Capacitor Buzzer Circuit		
5	LDR Circuit		
6	Diode Circuit		
7	555 IC Circuit		
8	Transistor Circuit		
<b>Chemistry</b>			
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
<b>Robotics</b>			
1	Introduction to Part of Robotics	6	Puppy Robot
2	Construction of Basic Robot	7	Line Follower
3	Programming with Software	8	Spirography Robot

### ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

4	Sensor Assembling	9	Soccer Bots
5	Introduction to Part of Robotics		
Astronomy			
1	Sun Dial	5	Eratosthenes Experiment
2	Sextant	6	Telescope Making
3	Sun Scale to Measure Diameter of Sun	7	Sky Chart
4	Scale Down of Solar System	8	Lunar Calander
Paper Electronics			
1	Introduction to Electronic Components	5	LDR Circuit
2	Parallel and Series Connections	6	Diode Circuit
3	Parallel and Series Resistor Circuit	7	Transistor Circuit
4	Capacitor Buzzer Circuit		
Computers			
1	Scratch Programming		

#### **RSCT – LIST OF PROJECTS COMPLETED IN MUSEUM CAC**

##### **RSC P Calicut**

<b>Sl. No</b>	<b>Name of the Projects</b>
1	Transformers
2	Series and Parallel connection
3	Logic gate
4	Multiple Reflection
5	Measuring height
6	Colour shadow
7	Soap making
8	Fire alarm
9	Rain water harvesting
10	Gear train
11	Traffic light system
12	Microscope
13	Refracting telescope
14	Persistence of vision

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

<b>Sl. No</b>	<b>Name of the Projects</b>
1	Electromagnet
2	Simple Motor
3	Floating Magnets

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

4	Static Electricity
5	Newton Disc & Floating ball Expt
6	Sympathetic Oscillation
7	Transfer of Momentum
8	DNA Model & Meiosis Cell division
9	Mirror Images
10	Variable Pendulum
11	Geo-board
12	Clinometer
13	Fibonacci Gauge

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

<b>Sl. No</b>	<b>Name of the Projects</b>
1	Magnetic Property
2	Tensegrity
3	Static Electricity
4	DaVinci Bridge
5	Structure of DNA
6	Mathematical Shape
7	Cut Puzzle
8	Logic Puzzle
9	Tangram
10	Star Chart
11	Constellation Chart
12	Ball Mirror
13	Clinometer
14	Timer Circuit
15	Music Circuit

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### 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 both online and offline.

#### **VITM, BANGALORE**

SI No	Name of the Programmes	Date
1	NCSM foundation Day	4 <sup>th</sup> April 2022
2	National Technology Day	11 <sup>th</sup> May 2022
3	International Museum Day	16 <sup>th</sup> to 20 <sup>th</sup> May 2022
4	World Environment Day	5 <sup>th</sup> June 2022
5	8 <sup>th</sup> International Day of Yoga	21 <sup>st</sup> June 2022
6	57 <sup>th</sup> Anniversary of the museum	22 <sup>nd</sup> to 27 <sup>th</sup> July 2022
7	National Doctors Day	1 <sup>st</sup> July 2022
8	Independence Day (75 <sup>th</sup> Year of India's Independence - AZADI KI AMRIT MAHOTSAV)	15 <sup>th</sup> August 2022
9	Engineers' Day ( 161 <sup>st</sup> Birth Anniversary of the legendary Indian Engineer Bharat Ratna Sir M. Visvesvaraya)	15 <sup>th</sup> September 2022
10	International Day of Sign Languages	23 <sup>rd</sup> September 2022
11	International Day of Scientific Culture	28 <sup>th</sup> September 2022
12	World Space Week	4 <sup>th</sup> to 10 <sup>th</sup> October 2022
13	International Day for Disaster Risk Reduction	13 <sup>th</sup> October 2022
14	Birth Anniversary of Dr. E. K. Janaki Ammal,	4 <sup>th</sup> November 2022
15	International Science Centre and Science Museum Day	10 <sup>th</sup> November 2023
16	Children's Day	14 <sup>th</sup> November 2022
17	Srinivasa Ramanujan's Birth Anniversary	22 <sup>nd</sup> December 2022
18	Indian Republic Day	26 <sup>th</sup> January 2023
19	International Day of Women & Girls in Science'	11 <sup>th</sup> February 2023
20	National Science week	22 <sup>nd</sup> to 28 <sup>th</sup> February 2023
21	'International Women's Day'	8 <sup>th</sup> March 2023
22	'Birth Anniversary of Albert Einstein'	14 <sup>th</sup> March 2023
23	World Water Day	22 <sup>nd</sup> March 2023

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### RSC, TIRUPATI

SI No	Name of the Programmes	Date
1	National Technology Day	11-05-2022
2	International Museum Day	16 to 20-05-2022
3	International Day of Yoga	21-06-2022
4	National Doctor's Day	01-07-2022
5	Space (Moon Landing) Week	17 to 23-.7-2022
6	Flagman of India Pingali Venkayya Birth Anniversary	02-08-2022
7	Hiroshima Remembrance Day	06-08-2022
8	Azadi Ka Amrit Mahotsav Independence Day Celebration	15-08-2022
10	NPCIL DAE: Iconic Week	22 To 28-08-2022
11	Engineers Day	15-09-2022
12	29 <sup>th</sup> Anniversary Week	23 to 27-08-2022
13	International Day of Scientific Culture	28-09-2022
14	Birth Anniversary of Dr. APJ Abdul Kalam	15-10-2022
15	International Science Centre & Science Museum Day	10-11-2022
16	Children's Day Celebration	14-11-2022
17	Constitution Day	26-11-2022
18	National Mathematics Day	22-12-2022
19	Republic Day Celebration	26-01-2023
20	National Science Day	27 & 28 - 02-2023
21	International Women's Day	08-03-2023
22	National Technology Day	11-05-2022

### RSC P Calicut

SI No	Name of the Programmes	Date
1	World Earth Day	22-04-2022
2	International Museum Day	18-05-2022
3	World Environment Day	05-06-2022
4	International Day of Yoga	21-06-2022
5	National Doctors' Day	01-07-2022
6	Moon landing week	21-07-2023
7	International Day of Scientific Culture	28-09-2022
8	World Space Week	04-10-2022 to 10-10-2022
9	Children's Day	14-11-2022

### ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

10	National Mathematics Day	22-12-2022
11	National Science Day	28-02-2023

#### DSC, GULBARGA

Sl. No.	Name of the Programme	Date
1	NCSM Foundation day, ,	04.04.2022
2	World Health day	07.04.2022
3	World Earth day	22.04.2022
4	National technology day	11.05.2022
5	International museum day	18.05.2022
6	World Environment Day	05.06.2022
7	International day of Yoga	21.06.2022
8	World Population Day	11.07.2022
9	Moon landing Day	20.07.2022
10	Hiroshima Day	06.08.2022
11	Engineer's day	15.09.2022
12	World Ozone day	16.09.2022
13	Hindi Pakhwada	14.09.2022 to 30.09.2022
14	International day of scientific culture	28.09.2022
15	World Heart day	29.09.2022
16	Birth anniversary of Mahatma Gandhi	02.10.2022
17	World Food Day	16.10.2022
18	Swachhta Pakhwada	18.10.2022 & 19.10.2022
19	Vigilance awareness week	31.10.2022 to 06.11.2022
20	Birth anniversaries of Sir C V Raman and Marie Curie	07.11.2022
21	International science center and science museum day	10.11.2022
22	National Energy conservation	14.12.2022
23	National Mathematics Day	22.12.2022
24	39th Anniversary of DSCG	06.01.2023
25	National Girl child day	24.01.2023
26	World Pulses day	10.02.2023
27	National Science day	28.02.2023
28	International day of Forests	21.03.2023
29	World Water day	22.03.2023

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### DSC, TIRUNELVELI

SI No	Name of the Programmes	Date
1.	NCSM foundation Day	04-04-2022
2.	World Earth Day	22-04-2022
3.	National Technology Day	11-05-2022
4.	International Museum Week	16 to 20 -05-2022
5.	World Environment Day	05-06-2021
6.	International Day of Yoga	21-06-2022
7.	National Doctors' Day	01-07-2022
8.	World Population Day	11-07-2022
9.	International Moon Day	20-07-2022
10.	Independence Day	15-08-2022
11.	Zero Shadow Day	30-08-2022
12.	National Engineers Day	15-09-2022
13.	World Ozone Day	16-09-2022
14.	International Day of Scientific Culture	28-09-2022
15.	World Space Week	04 to 10-0-2022
16.	World Sight Day	13-10-2022
17.	Vigilance Awareness Week	31-10 to 06-11-2022
18.	International Science Centre & Science Museum Day	10-11-2022
19.	Childrens' Day	14-11-2022
20.	National Energy Conservation Day	14-12-2022
21.	National Mathematics Day	22-12-2022
22.	Indian Republic Day	26-01-2023
23.	DSC-T Anniversary Day	27-02-2023
24.	National Science Day	28-02-2023
25.	International Women's Day	08-03-2023
26.	World Water Day	22-03-2023

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### Commemorative events at VITM



1. Story telling session on 'Dinosaurs' held during International Museum Week on 20<sup>th</sup> May 2022.
2. Popular Talk on 'The Marriage of Science & Engineering in understanding Structures' by Dr. J. M. Chandra Kishen, Professor, Dept. of Civil Engineering, Indian Institute of Science, Bangalore on the Birth Anniversary of Sir M Visvesvaraya on 15<sup>th</sup> September 2022..
3. Herbarium workshop 'Create Your Own Plant Specimen' organised on the Birth Anniversary of Dr. Birth Anniversary of Dr. E. K. Janaki Ammal on 4<sup>th</sup> November 2022.
4. 'Science Model Presentation' contest for high school students organised on International Science Centre and Science Museum Day on 10<sup>th</sup> November 2022

### Commemorative events at RSC T



5. Open House Science Quiz organised during Engineers' Day on 15<sup>th</sup> September 2022
6. Workshop on Fun with Mathematics organised during National Mathematics Day on 22<sup>nd</sup> December

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### Commemorative Programmes at RSCP Calicut



7. Liquid Nitrogen Show on Children's Day at RSCP Calicut on 14<sup>th</sup> November 2022.

8. Shri. P A Mohammed Riyas Hon'ble Minister for Public works & Tourism Govt. of Kerala interacts with patients as part of World Sickle Cell Day organised in collaboration with Blood Patients Protection Council of Kerala at RSCP C on 19<sup>th</sup> June 2022

### Commemorative Programmes at DSC G



9. Film show on 'Nuclear Bomb' during Hiroshima Day on 6<sup>th</sup> August 2022

### Commemorative Programmes at DSC T



10. Visual Quiz organised during National Doctor's Day observation on 1<sup>st</sup> July 2022

11. Workshop on 'Energy Audit' organised during National Energy Conservation Day observation on 14<sup>th</sup> Dec. 2022

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23****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	Satellite Technology Day	UR Satellite Centre (Indian Space Research Organisation, Bangalore, Dept of Space Science, Govt. of India)
2	NOKIA-VITM 5 G Workshop	NOKIA, Bangalore
3	A workshop on 'Internet of Things	IEEE, Bangalore
4	"Seeds of Culture" (Inaugurated on 27 <sup>th</sup> July 2022)	National Centre for Biological Sciences, Bangalore
5	Pondicherry State level Science Seminar	Directorate of School Education, Puducherry
6	Telangana State level Science Seminar	SCERT, Govt. of Telangana
7	Karnataka State level Science Seminar	Director of Minority & Urdu Languages, Office of the CPI, Govt. of Karnataka
8	Birth Anniversary of Dr. E. K. Janaki Ammal	The University of Trans-Disciplinary Health Sciences and Technology (TDU), Bengaluru
10	A 'Seminar on 5S Concept' under Swacchata Action Plan	Institute of Hotel Management Bengaluru
11	34 <sup>th</sup> Southern India Science Fair	Department of General Education, Govt. of Kerala

**RSC, TIRUPATI**

SI No	Name of the Programmes	Collaborator
1	Earth Day	Andhra Pradesh National Green Corps, Chittoor
2	World Environment Day	Andhra Pradesh National Green Corps, Chittoor
3	International Day Of Yoga	Junior Chamber International, Tirupati Yoga Association of Chittoor District, Tirupati.
4	National Doctor's Day	RiteCare HealthCare @ Home, Tirupati
5	Space (Moon Landing) Week	National Atmospheric Research Laboratory, Gadanki

### ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

6	Hiroshima Remembrance Day	AP Council of Science & Technology District Education Office, Chittoor
7	Teacher Training Programme	AP Council of Science & Technology District Education Office, Chittoor
8	NPCIL AE: Iconic Week Celebration	Nuclear Power Corporation of India, Limited Mumbai
9	Nature Walk	Indian Institute of Science Education & Research
10	World Ozone Day	Andhra Pradesh Pollution Control Board, Regional Office Tirupati
11	Children Day Science Fair	Tirupati Balotsavam
14	Chakumuki Tirupati District Level Science Talent Test	Jana Vigyana Vedika, Tirupati Chapter
15	Republic Day	Tirupati Art Society
16	Annual Inter-school Team wise Science Quiz Contest	Rotary Club, Tirupati
17	National Green Corps LiFE Workshop	Andhra Pradesh National Green Corps, Chittoor
18	Campus Bird Count	Indian Institute of Science Education & Research
19	National Science Day	SETVEN, Dept. of Youth Service, Tirupati
20	International Womens Day	Junior Chamber International
21	World Sparrow Day	Sri Venkateshwara Zoological Park
22	Earth Day	Andhra Pradesh National Green Corps, Chittoor

#### RSC P Calicut

SI No	Name of the Programmes	Collaborator
1	World Sickle Cell Day	Blood Patients Protection Council of Kerala
2	World Environment Day	Society for the Protection of Environment Kerala
3	Astro Adda	Public Outreach and Education committee of Astronomical Society of India
4	YODHAV (Campaign against Drug Abuse)	Kozhikode City Police
5	Happiness Painting Camp	Sravaanika Amalgamation of Arts
6	National Science Day	Calicut Chemistry Collective.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### DSC, GULBARGA

SI No	Name of the Programmes	Collaborator
1	DAE Iconic week	Nuclear Power Corporation of India Limited, Mumbai & Kaiga Generating Station, Uttara kannada Dist.
2	World Ozone day	Karnataka State Pollution Control Board, Regional office Kalaburagi
3	District level Science Seminar	District Institution for Education and Training (DIET), Kamalapur
4	District level Science Drama	District Institution for Education and Training (DIET), Kamalapur
5	District level Science Fair	District Institution for Education and Training (DIET), Kamalapur
6	National Science day	Karnataka State Pollution Control Board, Regional office Kalaburagi
7	World Water day	Karnataka State Pollution Control Board, Regional office Kalaburagi

### DSC, TIRUNELVELI

SI No	Name of the Programme	Collaborator
1	'Mooligai Mutram', the fort-nightly Siddha Medicinal Awareness Programme	Ulaga Tamil Maruthuva Kazhgam, Papanasam
2	Yoga Practice session for Staff and General public	Nellai City MVKM Trust
3	Drawing on 'Moon Art' & Team Quiz on 'Mystical Moon'	ISRO Propulsion Complex, Mahendragiri
4	Exhibition & Team Quiz on 'Love Your Eyes'	Aravind Eye Hospital, Tirunelveli
5	Drawing & Elocution Contest	ISRO Propulsion Complex, Mahendragiri
6	Nellai Neer Valam Dialogue series	District Administration, Tirunelveli & ATREE Trust, Manimutharu, Tirunelveli
7	National Children Science Congress -District Level projects presentation	Tamil Nadu Science Forum, Tirunelveli & Kudankulam Nuclear Power Projects, Kudankulam
8	Orientation Programme on Tamirabarani Wetland Bird Count Census	ATREE Trust, Manimutharu, Tirunelveli
9	Millets Exhibition-cum-Contest	NPNK Trust, Tirunelveli

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23



1. Internet of Things workshop organised in Collaboration with IEEE, Bangalore at VITM.
2. NOKIA VITM 5G Workshop organised in collaboration with NOKIA at VITM
3. Southern India Science Fair organised by VITM in collaboration with Education Dept of southern states and hosted by Govt. of Kerala at Thrissur
4. Free Health Checkup Camp organised at RSC T during National Doctor's Day in collaboration with Rite Care HealthCare @ Home, Tirupati
5. Drawing Contest organised during the celebration of National Science day at DSC G in association with Karnataka State Pollution Control Board, Regional Office, Kalaburagi
6. Drawing Contest organised during International Moon Day at DSC T in collaboration with ISRO Propulsion Complex, Mahendragiri.
7. Tree plantation Programme at RSCP C during word Environment Day in Colloboration with the Society for the protection of Environment Kerala.
8. Puppetry Workshop held at RSCP C during the Anniversary programme in collaboration School of Puppetry

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

### ANNEXURE – 7

#### LIST OF EXECUTIVE COMMITTEE MEMBERS OF VITM

1. Dr. B. Venkataraman  
Director  
Indira Gandhi Centre for Atomic Research (IGCAR)  
CISF Road, Kalpakkam  
Tamilnadu - 603102  
Chairman
2. Dr. M. P. Shyam  
President  
Rashtreeya Sikshana Samithi Trust,  
RV Educational Institutions  
Bangalore  
Member
3. Prof. Annapurni Subramaniam  
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  
Antariksh Bhavan, 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. Jahnvi Phalkey  
Founding Director  
Science Gallery  
Survey No.151, Shivkote,  
Hasaraghatta Hobli,  
Bengaluru -560089  
Member
7. Secretary  
Higher Education  
Govt. of Karnataka  
Room No.645, 6<sup>th</sup> Floor, MS Building  
Bengaluru – 560 001  
Ex-officio Member
8. Smt. K.A. Sadhana  
Director  
Visvesvaraya Industrial & Technological Museum  
Kasturba Road  
Bengaluru – 560001  
Ex-officio Member

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

- |    |   |                      |
|----|---|----------------------|
| 9  | Shri Manash Bagchi<br>Curator 'E'<br>Visvesvaraya Industrial & Technological Museum<br>Kasturba Road<br>Bengaluru – 560001                          | Ex-officio Member    |
| 10 | Shri Binoy Kumar Dubey<br>Curator 'D' & PC<br>Regional Science Centre & Planetarium<br>Near Jaffer Khan Colony, Planetarium Road<br>Calicut-673006  | Ex-officio Member    |
| 11 | Financial Adviser<br>Ministry of Culture<br>Govt. of India, ShastriBhavan<br>New Delhi - 110001   | Ex-officio Member    |
| 12 | Shri A.B.Basavaraju ,<br>Director(Technical)<br>Department of Science &Technology<br>Ex-Officio MD-KSTePS<br>Govt. of Karnataka<br>Bengaluru-560001 | Ex-officio Member    |
| 13 | Director General, NCSM<br>National Council of Science Museums<br>Block-GN, Sector-V, Bidhan Nagar<br>Kolkata-700 091                                | Ex-officio Member    |
| 14 | Controller of Administration<br>Visvesvaraya Industrial & Technological Museum<br>Kasturba Road<br>Bengaluru – 560001                               | Non-Member Secretary |

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23****LOCAL ADVISORY COMMITTEE  
REGIONAL SCIENCE CENTRE, TIRUPATI.**

<b>1</b>	Prof. K Raja Reddy The Vice Chancellor, S.V. University, TIRUPATI – 517 502	Chairman
<b>2</b>	Prof. K. N. Ganesh, Director & Professor Indian Institute of Science Education and Research (IISER), Tirupati – 517 507	Member
<b>3</b>	Dr. C. Pulla Rao, Professor Indian Institute of Technology Renigunta Road, Settipalli Post Tirupati - 517 506	Member
<b>4</b>	Dr. Alladi Mohan,Dean, Dept. of General Medicine, Sri Venkateswara Institute of Medical Sciences (SVIMS) University, Alipiri Road TIRUPATI-517501	Member
<b>5</b>	Dr. A K Patra The Director National Atmospheric Research Laboratory Department of Space Govt. of India GADANKI – 517 112 Pakala Mandal	Member
<b>6</b>	Dr Y Aparna The Member Secretary, APCOST Bhavanipuram, Vijayawada. 520 012 Andhra Pradesh	Member
<b>7</b>	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
<b>8</b>	Smt . S. Lakshmi Secretary,	

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

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

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23****LOCAL ADVISORY COMMITTEE****REGIONAL SCIENCE CENTRE & PLANETARIUM CALICUT.**

<b>1</b>	Dr. Prasad Krishna Director National Institute of Technology Calicut NIT Campus Post, Chathamangalam Via Calicut – 673 601	Chairman
<b>2</b>	Dr. C D Ravikumar Professor & Head Department of Physics University of Calicut, Thenhipallam PO Malappuram – 673635	Member
<b>3</b>	Dr. Hegde Principal Scientist Zoological Survey of India Western Ghat Field Research Centre (WGRC), Jafferkhan Colony Road, Calicut – 673 006	Member
<b>4</b>	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
<b>5</b>	Deputy Director of Education Office of the Directorate of Education Mananchira, Calicut – 673 001	Member
<b>6</b>	Shri. Firoz Khan President Press Club Calicut	Member
<b>7</b>	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
<b>8</b>	Dr. K P Aravindan Member Central Committee Kerala Shastra Sahitya Parishat Calicut – 673 002	Member
<b>9</b>	Shri Sheeju Chandran M Engr 'G' Group Head TDMG, Vikram Sarabai Space Centre, Trivandrum	Member

### ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23

<b>10</b>	Shri. Anupam Das Associate Professor Humanities and Liberal Arts in Management Indian Institute of Management Kozhikode	Member
<b>11</b>	Smt. K A Sadhana Director Visvesvaraya Industrial & Technological Museum Bengaluru – 560 001	Ex-Officio Member
<b>12</b>	Shri. Binoy Kumar Dubey Curator & Project Co-ordinator Regional Science Centre & Planetarium Calicut	Member Secretary

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23****LOCAL ADVISORY COMMITTEE  
DISTRICT SCIENCE CENTRE, GULBARGA**

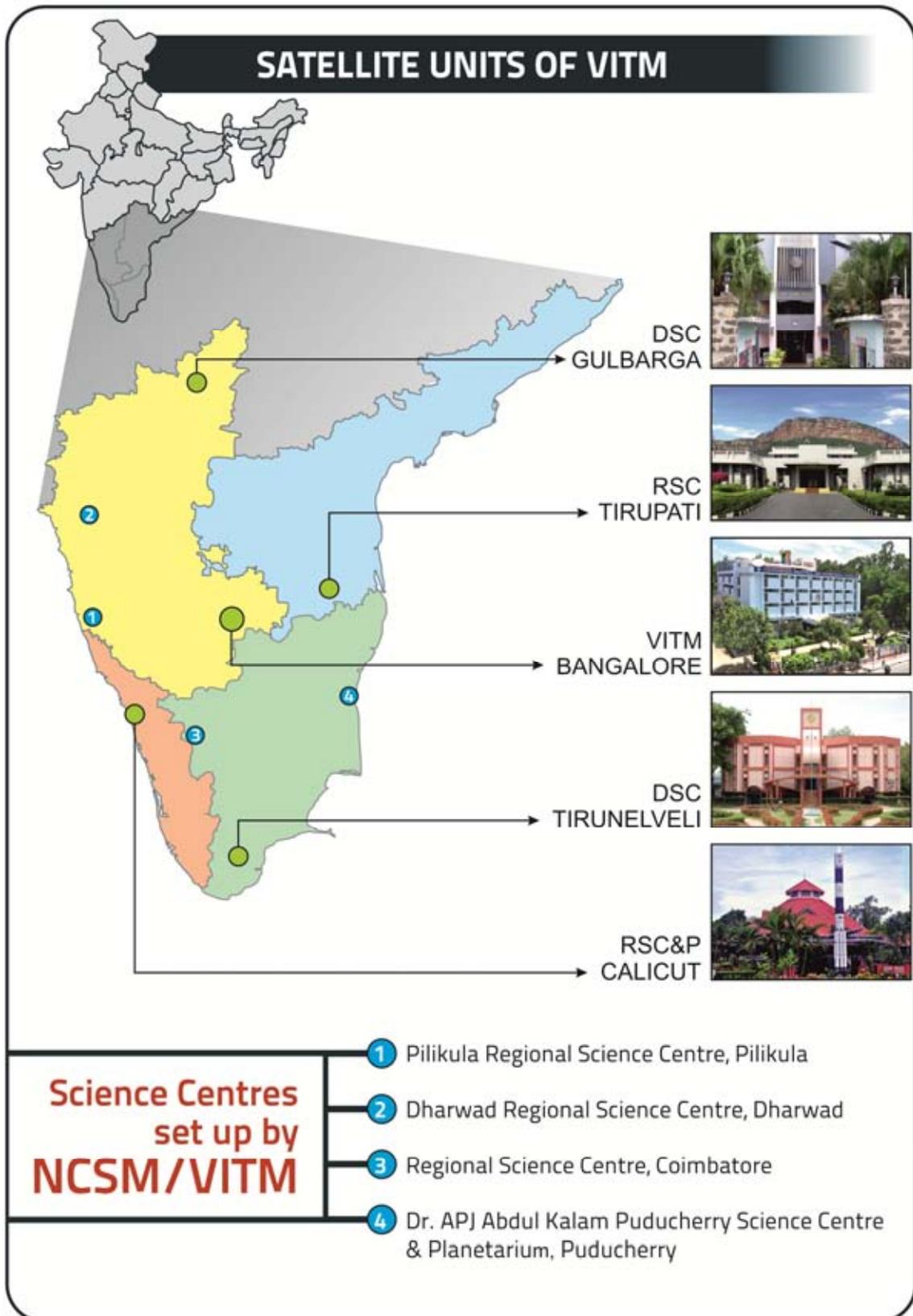
<b>SI No</b>	<b>Name of the Member</b>	
1.	Deputy Commissioner Mini Vidhana Soudha Kalaburagi	Chairman
2.	Vice Chancellor Central University of Karnataka Kadaganchi, Aland Road Kalaburagi - 585367	Ex- officio Member
3.	Regional Officer KSCST Regional Centre VTU campus, Kalaburagi	Ex- officio Member
4.	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	Smt. K.A Sadhana Director Visvesvaraya Ind. & Tech. Museum Bangalore – 560 001	Ex- officio Member
12	Shri R Bharadan District Science Officer District Science Centre, Kalaburagi	Member Secretary

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23****LOCAL ADVISORY COMMITTEE****DISTRICT SCIENCE CENTRE, TIRUNELVELI**

SI No	Name of the Members	
1	Shri V Vishnu, IAS District Collector & District Magistrate O/o the District Collector Kokkirakulam Tirunelveli – 627 009	Chairman
2	Dr K Pitchumani 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 K Alaguvelu Director ISRO Propulsion Complex Mahendragiri Tirunelveli Dist – 627 133	Member
5	Dr C P Anil Kumar Professor & Head Equatorial Geophysical Research Laboratory #6/249, SH 40, Vittalapuram Vilakku Tirunelveli – 627 007	Member
6	Shri B Vishnu Chandran, I A S Commissioner Tirunelveli City Municipal Corporation Near Schaffter Higher Secondary School Tirunelveli – 627 004	Member
7	Dr Sankar Subramanian Principal Sankar Polytechnic College Sankarnagar Tirunelveli – 627 357	Member

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2022-23**

8	Dr M Malarvizhi Principal Sri Sarada College for Women Saradanagar, Ariyakulam, Maharajanagar Tirunelveli – 627 011	Member
9	Smt M K C Subhashini Chief Educational Officer O/o the Chief Educational Officer Adj. Collector Office Campus Kokkirakulam Tirunelveli – 627 009	Member
10	Smt Usha Raman Principal Sri Jayendra Saraswathi Swamigal Golden Jubilee Matric Higher Secondary School Thenkalam Road, Sankarnagar Tirunelveli – 627 357	Member
11	Smt. K A Sadhana Director Visvesvaraya Industrial & Tech. Museum Kasturba Road Bangalore – 560 001	Member
12	Shri S Muthu Kumar District Science Officer District Science Centre Kokkirakulam Tirunelveli – 627 009	Member Secretary





Ministry of Culture  
Government of India



## Visvesvaraya Industrial & Technological Museum

A unit of NCSM, Ministry of Culture, Government of India  
Kasturba Road, Bangalore- 560 001

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