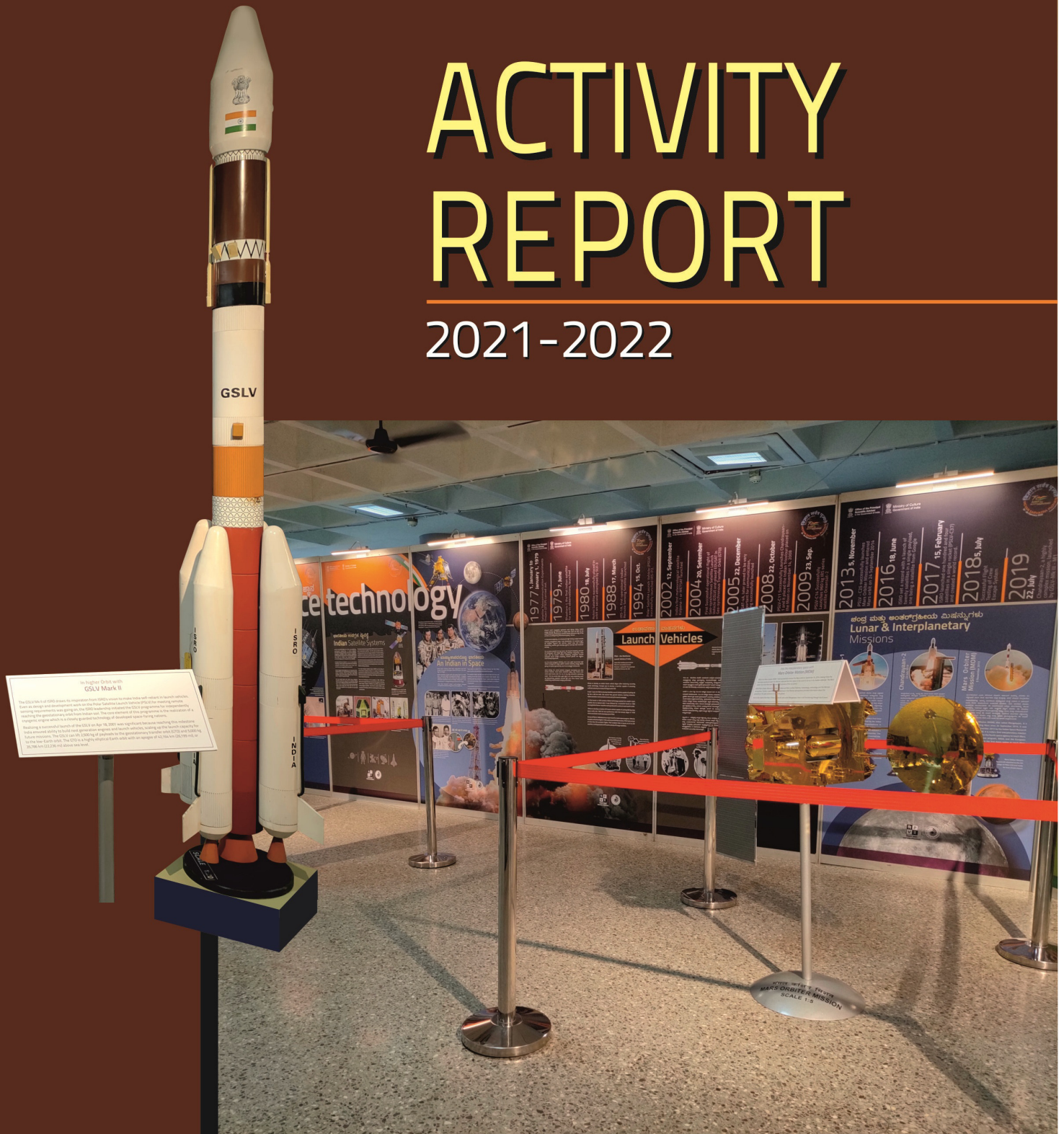


# ACTIVITY REPORT

2021-2022



## Visvesvaraya Industrial & Technological Museum

A unit of NCSM  
Ministry of Culture, Government of India



Ministry of Culture  
Government of India



Kasturba Road, Bangalore- 560 001  
Phone: 080 2286 6200 Fax: 080 2286 4114  
[www.vismuseum.gov.in](http://www.vismuseum.gov.in)  
e-mail: [vitmuseum@gmail.com](mailto:vitmuseum@gmail.com)

# ACTIVITY REPORT

2021 - 2022



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

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

### REGIONAL SCIENCE CENTRE

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rsctirupati@gmail.com

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planetariumcalicut@gmail.com

rscpcalicut.org

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Municipal Garden

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scienceglb@gmail.com

### DISTRICT SCIENCE CENTRE

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Director

Visvesvaraya Industrial &  
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Kasturba Road  
Bangalore - 560 001

### A. D. CHOUDHURY

Director General

National Council of  
Science Museums

Sector- V, Block- GN, Bidhan Nagar  
Kolkata - 700 091

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

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## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### VISVESVARAYA INDUSTRIAL AND TECHNOLOGICAL MUSEUM, BANGALORE

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 2021-22 witnessed new growth in the activities of the museum like completion and handing over of gallery, Science Park and Innovation Hubs set up as catalytic support under SPoCS, setting up of new exhibitions and organising new programmes.

#### 1. New Exhibition & Galleries and Science Park:

VITM provided Catalytic Support to other organisations/institutions by setting up of Science Centres.

- The **Food Museum** set up by VITM at Thanjavur (Tamil Nadu) was Inaugurated & handed over to FCI on 15<sup>th</sup> November 2021.
- **The Science Park set up at PES College, Mandya**, Karnataka for KSTEPS Bangalore with 7 exhibits was handed over on 25<sup>th</sup> March 2022.
- **The Prof U R Rao Memorial Science Park** set up at Krishi Vigyan Kendra, Jakkur, Bangalore for KSTA Bangalore, Karnataka with 15 exhibits was handed over on 28<sup>th</sup> March 2022.



Handing over of Food Museum to FCI



Prof U R Rao Memorial Science Park set up at Krishi Vigyan Kendra, Jakkur

#### 2. **Setting up of Innovation Hubs-** VITM executed the task of setting up of the Innovation Hub on behalf of NCSM.

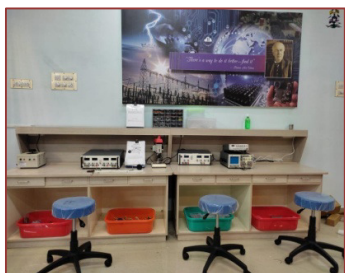
- The newly developed **Innovation Hub at Dr. Abdul Kalam Science Centre and Planetarium, Puducherry** was inaugurated by Dr. Tamilisai Soundararajan, Hon'ble Lieutenant Governor, Puducherry & Innovation Resource Centre by Thiru. N. Rangasamy, Hon'ble Chief Minister of Puducherry in presence of Thiru. S. Selvaganabathy, M P, Puducherry and Smt. K A Sadhana, Director, VITM on 18<sup>th</sup> May 2022 and handed over to the Govt. of Puducherry.
- **The Innovation Hub, Trichy** was handed over on 16<sup>th</sup> November 2021.
- **Innovation Hub, Coimbatore** was handed over on 5<sup>th</sup> January 2022.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

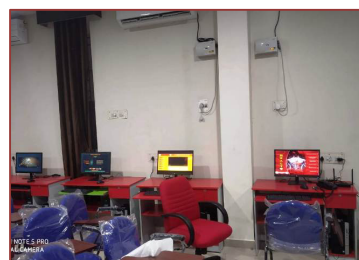
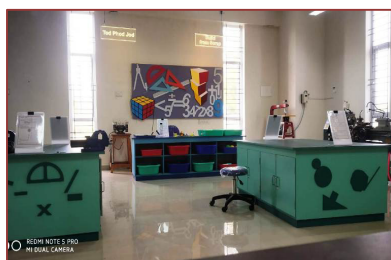
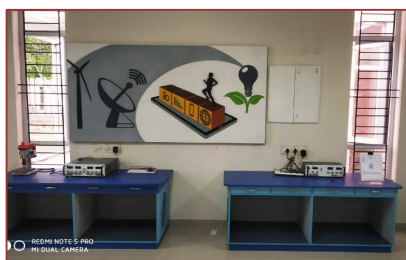
Setting up of **Innovation Hub at RSC, Pilikula, Sub Regional Science Centre, Rajahmundry, Andhra Pradesh** and at RSC Warangal Work are in progress.



Handing over of Innovation Hub at Puducherry



Handing over of Innovation Hub at Trichy



Innovation Hub at Coimbatore

### New Science Centres:

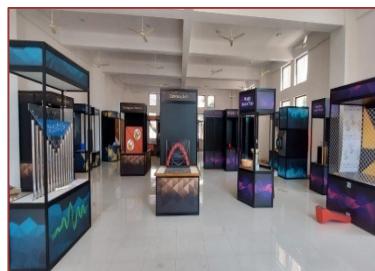
Setting up of **new Sub Regional Science Centre, Rajahmundry** with two Galleries, one temporary exhibition hall, Innovation Hub and a Science park in an area of 5 acres for Andhra Pradesh State Council of Science and Technology (APCOST), Govt. of Andhra Pradesh is in progress.



SRSC Rajahmundry



Fun Science Gallery



Science Park





## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 3. Travelling and Temporary Exhibitions:

- An exhibition on **"75 Years of Independence: India's Achievements in Science & Technology"** a joint initiative of the Vigyan Prasar (Dept of Science and Technology, Govt. of India) and National Council of Science Museums (Ministry of Culture Govt. of India) set up at the museum was inaugurated on 22<sup>nd</sup> February 2022 by Prof. S. Sadagopan, Former Director, International Institute of Information Technology, Bangalore. As part of the exhibition VITM organised several programmes like Painting cum Deliberation contest, Elocution contest, Screening of Patriotic films, Treasure hunt contest and Online Fancy Dress Contest etc for students and general public.
- **A Panel Exhibition on 'Nobel Prizes – 2021'** developed in house at VITM was inaugurated on 10<sup>th</sup> December 2021 by Dr. Santanu Mukherjee, Associate Professor, Dept. of Organic Chemistry, Indian Institute of Science, Bangalore. Two webinars were organised as part of the exhibition.

**Travelling Exhibition on '75 Years of Independence – India's Achievement in Science & Technology' at VITM**



**Temporary Exhibition on 'Nobel Prizes 2021' at VITM inaugurated on 10<sup>th</sup> December 2021 by Dr. Santanu Mukherjee, Associate Professor, Dept. of Organic Chemistry, Indian Institute of Science, Bangalore**

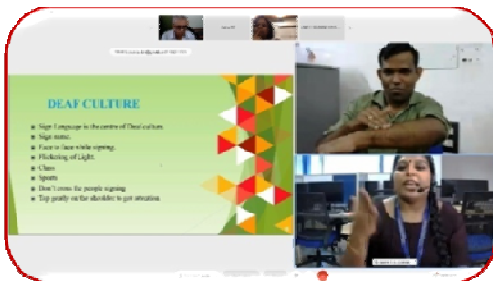
## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

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

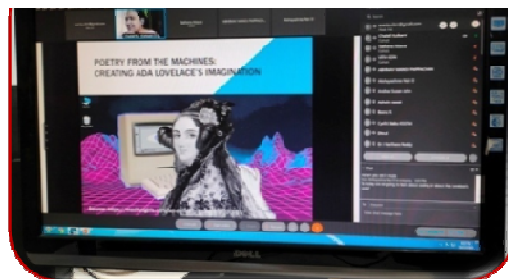
- **As part of Children's Day Celebration** VITM organised Storytelling session on 'Dinosaur', Guided tours to the galleries of the museum and Special Science Shows on 'Science is Fun' on 14<sup>th</sup>, 15<sup>th</sup> & 18<sup>th</sup> November 2021 for the Underprivileged children in association with National Institute of Public Cooperation and Child Development, Bangalore and with Bless Society of Rural and Urban Development" – (a NGO engaged in upliftment of orphans and blind children).
- As part of **Programs for Divyangs (Specially Abled children)** VITM Celebrated **International day of Sign Languages** on 23<sup>rd</sup> September 2021 by organising an **online workshop on Science Signbee** in collaboration with National Institute of Speech & Hearing (NISH), Trivandrum & IEEE to raise awareness of the importance of sign language in the full realization of the human rights of people who are (Deaf) hearing impaired. Signages for common words, Science words and communication in life was demonstrated by the faculty.
- To celebrate the achievements of women in science, technology, engineering, and math (STEM) and to encourage more women into STEM careers and supports those already working in STEM, **Ada Lovelace Day** was celebrated in the museum on 13<sup>th</sup> October 2021. As part of the event an Online workshop on 'Poems from a machine: creating Ada Lovelace's imagination' was organised. Ms. Chaitali Kulkarni, Electronic Engineer, R&D, Texas Instruments conducted the interactive workshop. About 190 students and general people participated.



Science Show & Guided tour to the Gallery for Under Privileged children visit to the museum.



International day of Sign Languages - online workshop on Science Signbee



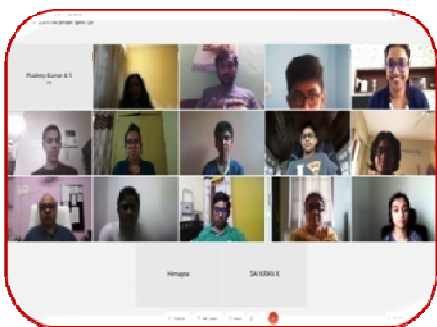
Ada Lovelace Day Workshop on 'Poems from a machine: creating Ada Lovelace's imagination'.

## ***ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22***

### **5. Workshops & Vocational Hobby Courses**

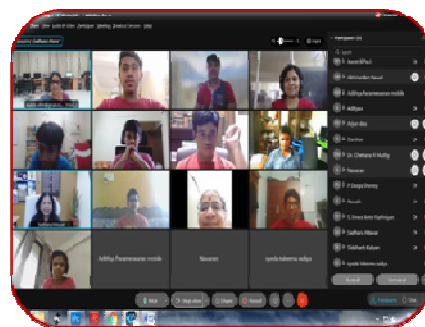
VITM as part of Creative ability programme organised

- **Online– Hands-on Experience in Basic Physics** in April 2021 on payment basis,
- **Online course on 'Python'** in June 2021 and **Online course on App development on Android** in August 2021 for students.



**Online course on 'Python'**

and



**Online course on App development on Android**

### **6. 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, International Day of Yoga, 75<sup>th</sup> Year of India's Independence, 56<sup>th</sup> Anniversary of VITM, Birth Anniversary of Dr. Vikram Ambalal Sarabhai, Teachers' day, 160<sup>th</sup> Birth Anniversary of Sir. M Visvesvaraya, World Ozone Day, International day of Sign Languages, International Day of Scientific Culture, World Space Week, Ada Lovelace Day, Birth Anniversary of Sir C V Raman, 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), World Cancer Day, 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.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### REGIONAL SCIENCE CENTRE, TIRUPATI

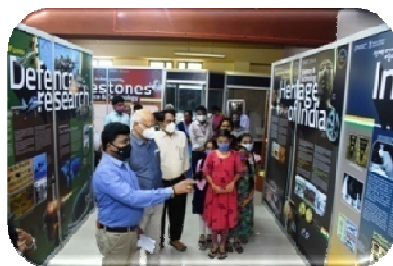
#### 1. Development Activity

**The New Science Park Exhibits** (developed in-house by the Centre) was inaugurated on 23<sup>rd</sup> September 2021 by Dr. Sireesha, Hon'ble Mayor, Tirupati Municipal Corporation during the 28<sup>th</sup> Anniversary of the centre.



#### 2. Exhibitions

**Vigyan Sarvatra Pujiathe** : Festival of Scope For All was celebrated at the centre from 22<sup>nd</sup> -28<sup>th</sup> February 2022 by setting up an exhibition titled “75 Years of Independence: India's Achievements in Science and Technology”. Prof. K N Ganesh, Director, Indian Institute of Science Education & Research, Tirupati inaugurated the exhibition on 22<sup>nd</sup> February 2022.



#### 3. Azadi ka Amrit Mahotsav Programmes

Science Quiz contest was organised in collaboration with Mokshagna Industries, Tirupati, Sai Radha Krishna Educational Society, Tirupati, Mindtronixs, Tirupati and Volt E Byk, Tirupati. Special Workshops to provide hands on experience exclusively for Girls and Women on Basics of Astronomy and Kitchen Gardening was organised.



Kitchen Gardening



Astronomy

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 4. Nature Study Camps

Nature Study camp was organised at Sri Venkateswara Zoological Park on 19<sup>th</sup> December 2021 and **Campus Bird Count** was organised on 20<sup>th</sup> February 2022 at the Centre with a joint initiative from A Citizen Science Initiative of Indian Institute of Science Education & Research, Tirupati. Shri Rajashekar Bandi, Co-ordinator of Citizen Science Initiative, IISER, Tirupati was the resource person.



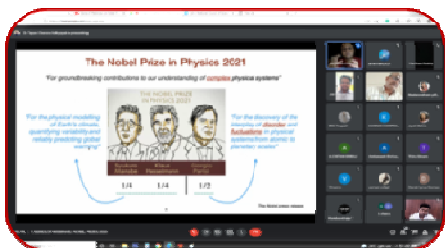
**Nature Study Camp**



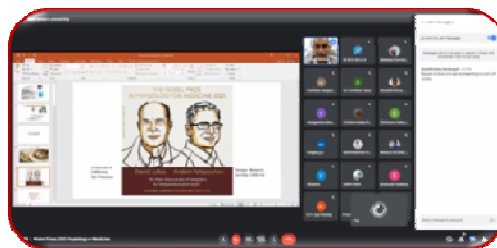
**Campus Bird Count**

### 5. Webinar on Nobel Prizes 2021

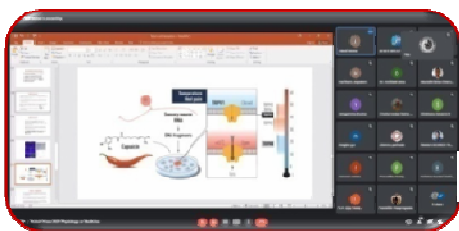
Series of Webinar on Nobel Prizes 2021 was organised. A webinar on 'Making Sense of Complexity, Disorder and Fluctuations' by Dr. Tapan Chandra Adhyapak, Assistant Professor, Department of Physics, Indian Institute of Science Education & Research, Tirupati and a webinar on 'Sensing Temperature and Touch' by Dr. Alladi Mohan, MD (Medicine) Professor, Head, Department of Medicine, Sri Venkateshwara Institute of Medical Sciences, Tirupati was part of the event. In addition many webinars were organised by the centre and invited eminent personalities across the country and abroad to deliver talk on various topics related to science. They were streamed live in Facebook and YouTube channel of the centre.



**Webinar on Nobel Prizes 2021- Physics**



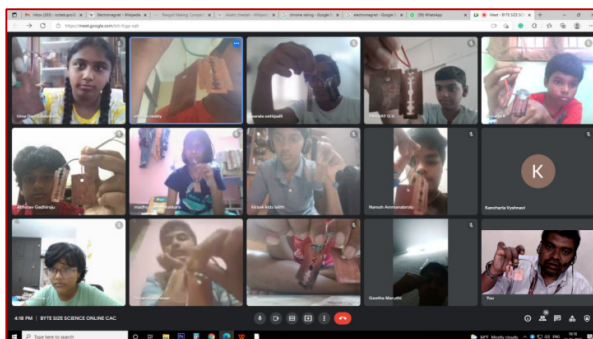
**Webinar on Nobel Prizes 2021- Physiology & Medicine**



**Webinar on Nobel Prizes 2021- Chemistry**

### 6. Online Creative Ability Courses

Online Creative Ability Courses\_on Bioscience, Fun with Optics, Science Fun Toys, Paper Electronics and Byte wise Science was widely participated by students in Science learning.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 7. Training

**Teacher Training Programme** was organised on February 24, 2022 for Government School Physical Science Teachers of Chittoor District. Hands on Training on Learning Kit preparation were provided on the topic 'Electro-Magnetism'. 50 teachers attended the training programme.

**State Level Teacher Training Programme** was organised on March 29, 2022 in collaboration with A.P Council of Science & Technology, Vijayawada, Department of School Education, Chittoor. Teacher Training Programme for Government School Natural Science Teachers on Development of Curriculum based Science Kit in Biology. 60 Teachers attended the above training programme.



Teacher Training Programme in Physics



Teacher Training Programme in Biology

The Centre organized several online and offline programmes during the year and commemorative programmes like International Yoga Day, Earth Day, Environment Day, World Space Week, Moon Landing Week, International Museum Day, National Technology Day, NCSM Foundation Day, National Science Week in collaboration with several other organizations for students, teachers and general public.

The Centre collaborated with All Indian Radio, Tirupati, National Atmospheric Research Laboratory, Lions Club, Tirupati, JCI Tirupati, Indian Institute of Science Education and Research, Tirupati, A P Council of Science & technology, Vijayawada, Office of DEO, Chittoor and several other organizations in organising many programmes like International Women's Day, online workshops in Mathematics & Computational Thinking, Paper Plane & Water Rocketry Fun and offline workshops in 3D Hologram.

The Centre continued organising several commemorative events and Collaborative events with likeminded organisations and other special programmes as part of its Science Communication & non-formal education extension activities throughout the year for the benefit of students and general public. The programmes attracted good number of students and general public.

## REGIONAL SCIENCE CENTRE AND PLANETARIUM, CALICUT

### 1. **Developmental Activity**

The Centre Fabricated 3 Nos MSE exhibits on 'Mathematics' and 10 nos compact exhibits.

### 2. **Exhibitions:**

The Centre celebrated Silver Jubilee on 30<sup>th</sup> January 2022. Shri. P. A. Mohammed Riyas Hon'ble Minister for Public works and Tourism, Govt. of Kerala inaugurated the celebration and the exhibition on **25 years of RSC Calicut** (designed and developed by the Centre as part of silver Jubilee celebration) virtually on January 30, 2022. The exhibition highlights the programmes and activities of RSC Calicut last 25 years. Exhibition was kept open to the public visit up to 30<sup>th</sup> March 2022. About 15,000 students and people visited the exhibition.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

An exhibition on 75 years of Independence-India's Achievement in Science & Technology was inaugurated at the Centre on February 22, 2022 by Dr. Homey Cheriyan, Director Directorate of Arecanut & Spices Development Kozhikode. The exhibition was held up to 30<sup>th</sup> March 2022. 12,500 students and general public visited the exhibition.



Exhibition on 25 years of RSC Calicut



Exhibition on 75 years of Independence-India's Achievement in Science & Technology

### 3. Workshops & Training Programmes

In association with AICTE, the centre conducted five days online faculty development programme in Astronomy and Astrophysics for teachers from 21<sup>st</sup> to 25<sup>th</sup> February 2022. The programme was inaugurated by Dr. Dipanker Banerjee, Director, Aryabhata Research Institute of Observational Sciences (ARIES), Nainital on 21<sup>st</sup> February 2022. Eminent Scientists and astronomers were the resource persons in the sessions. 125 teachers participated.

**STEM learning workshop** was organised at the Centre exclusively for girls from 1<sup>st</sup> to 6<sup>th</sup> July 2021. Workshop on Robotics and Automation, webinars on science of cooking, chemistry of cosmetics and demonstration on Collision were part of the workshop. 148 girls participated.

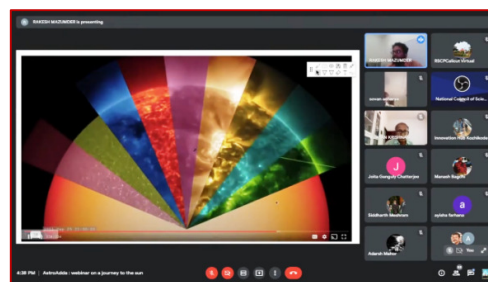
A workshop on confirming September 23 as an equinox Day was organised at the centre for College students.

3 online workshops for teachers were conducted on 14<sup>th</sup> July & 9<sup>th</sup> October 2021 and 27<sup>th</sup> February 2022. 45 teachers participated.

Astro Adda a platform for monthly non formal deliberations and conversation with an astronomer. The centre organized programme every month in association with Public Outreach and Education committee of Astronomical Society of India.



Workshop on confirming September 23 as an equinox Day



Astro Adda webinar on A journey to the sun

### 4. Vacation Hobby Courses & Summer camps.

Summer camps were organized at the Centre online. 'Chemical Magic's was held from 8 to 13 June 2021. 25 students participated. Introduction to Astronomy and Astrophysics was held from, 14 to 19<sup>th</sup> June 2021.

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

35 students participated. Introduction to Arduino and Sensors, was held from 21<sup>st</sup> to 26<sup>th</sup> June 2021. 25 students participated.



Workshop on Visualizing Maths organised at RSCP C

### **5. Commemorative and Special Programmes.**

The centre observed several commemorative events like Earth Day, Space Week, National Science Day, with various online and offline activities. The centre published a digital journal on Covid 'Ousting the Outbreak'.

As part of its Science Communication & non-formal education extension activities, the Centre continued organising several offline and online programmes like many commemorative events. Likeminded organisations joined hands with the Centre in organising Collaborative events with and other special programmes throughout the year for the benefit of students and general public. Large number of students and general public participated in the events.

## **DISTRICT SCIENCE CENTRE, GULBARGA**

### **1. New Additions**

During the year 2021-22, Kiran U-809 Trainer aircraft was added to the Centres collection in the Science Park. This aircraft was inaugurated on 15th September 2021 by Shri Nalini Atul I.A.S, Additional Commissioner, Dept. of Public Instruction, Kalaburagi Division, Kalaburagi.



### **2. Vacation CAC camp & Workshops**

The centre organized vacation CAC camp on Chemistry and Physics for school children during the month of October 2021. 75 students participated and developed 47 models and Projects. A Science toys making Workshop was held on 27th February 2022.



Science toys making Workshop at DSC G



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **3. Exhibitions**

An Exhibition on “75th Year of Independence - India's Achievements in Science & Technology” (in collaboration with Vigyan Prasar Ministry of Science & Technology, Govt. of India, New Delhi) was set up at the Centre as part of Azadi Ka Amrit Mahotsav and National Science Week celebration. It was inaugurated by Er. Narayana Inamdar, Rtd Scientist, NRSA-ISRO, Hyderabad & NASA, USA.



The Centre continued its non-formal education extension activities (offline and online) like organizing webinars, public lectures, Sky Observation programmes, Teachers' Training Programmes etc., throughout the year for the benefit of teachers, students and general public. In addition, several commemorative events like Environment Day, International Yoga Day, Birth anniversary of Sir C.V Raman and Marie Curie, International Science Centre & Science Museums Day, 38th Anniversary of DSCG, National Science Week etc., were celebrated with various educational activities for students, teachers & general public.

### **DISTRICT SCIENCE CENTRE, TIRUNELVELI**

#### **1. New Development:**

Setting up of new gallery on 'Space Technology' is in progress.

#### **2. Exhibitions:**

A Panel Exhibition on '75 Years of Science & Technology development in Independent India' was inaugurated on February 22, 2022 by Dr K Pitchumani, Vice-Chancellor, Manonmaniam Sundaranar University, Tirunelveli.



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 3. Vacation Hobby Courses & Camps

The Centre organised an **online Hobby Course on the topic 'Science Toy making'** for the Students from 19<sup>th</sup> to 23<sup>rd</sup> July 2021. 9 students participated and developed 6 different Kits and 54 kits were duplicated.

**Another online Hobby Course on the topic 'Science Toy Making'** was organised for the Students from 9<sup>th</sup> to 13<sup>th</sup> August 2021. 13 students participated and developed 6 different Kits and 78 kits were duplicated.



**Online Vacation Hobby Course in Science Toys making** organized by DSC T in July 2021.

The Centre organised an **Astro Camp** at Govt. Hr Sec. School, Maruthkulam on 21<sup>st</sup> September 2021 in collaboration with the District Administration, Tirunelveli. An interactive multimedia Lecture on 'Joy of Sky Watching' and a hands-on Workshop for the students on 'Interactive Star Chart Making' followed by live Sky Observation through Telescope were arranged.

### 4. Programmes for Girls & Womens:

The Centre organised in its IH a **special Webinar on 'Artificial Intelligence'** on 2<sup>nd</sup> July 2021 by Dr K Gokulakrishnan, Assistant Professor, Dept. of Electronics & Communication Engineering, Anna University Regional Campus, Tirunelveli. About 42 Girls & Women participated.



A one day training programme on 'Computer Skill Development Programme for Home Makers' was organised on 8<sup>th</sup> March 2022.

### 5. Other educational Programmes :

DSC-T organised many programmes as a part of the celebrations of DSC-T 35<sup>th</sup> Anniversary, National Science Week like Exhibition on '75 Years of Science & Technology development in Independent India', Rangoli Contest for School Students, Treasure Hunt Contest, A 'Build from Scratch' contest, Drawing contest on the topic 'The Bird I like', Webinar on 'Social Impacts of Science Centres', Webinar on the topic 'Are Diamonds more than a Jewel?' and an online demonstration on the topic on 'Science is Fun'. Special Sky Observation through Telescope Programme was organized by DSC-T at Porunai Nellai 5<sup>th</sup> Book Fair, V O C Ground, Palayamkottai on the evenings from 17 to 20<sup>th</sup> March 2022.

DSC T continued its non-formal education extension activities by organizing several online & offline talks & lectures, Training Programmes, and many more throughout the year for the benefit of students, teachers and general visitors. Further, many commemorative events, special events and Collaborative events with

## ***ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22***

several outside agencies were celebrated by organising various educational activities for students, teachers & general public.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 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. M M K Balaji Project Coordinator	Shri. Binoy Kumar Dubey Project Coordinator	Shri. C N Lakshminaraya District Science Officer	Shri. S Muthu Kumar District Science Officer
Full Address of Museum / Centre	Kasturba Road Bangalore – 560001	Near Alipiri Gate Alipiri - Chittoor By-pass Road Tirupati – 517507	Jaffer Khan Colony Calicut - 673006	Municipal Garden Kalaburagi – 585103	Kokkirakulam Tirunelveli – 627 009
STD Code	080	0877	0495	08472	0462
Phone Nos.	22864114	2286202	2770571	220608	2500256
Tele-fax	080-22864114 080-22864009	0877-2286202	0495 2770571	08472-220608	0462-2500256
E-mail	vitmuseum@gmail.com	rsctirupati@gmail.com	planetariumcalicut@gmail.com	scienceglb@gmail.com	sciencecentrenellai@gmail.com
Website	www.vismuseum.gov.in	www.rsctirupati.org.in	www.rscpcalicut.edu.in	www.sciencecentrekalaburagi.org.in	www.dsctirunelveli.org.in
Working Hours	9.30 AM - 6.00 PM	9.30 AM- 6.00 PM (10.00 AM - 6.30 PM. on Sundays)	9.30 AM - 6.30 PM	9.30 AM - 6.00 PM	10.00 A.M - 06.30 PM
Closed on	Ganesh Chaturthi & Deepavali	Shiva Rathri & Deepavali	Onam & Deepavali	Ganesh Chaturthi & Deepavali	Pongal & Deepavali
Admission Fee	<ul style="list-style-type: none"> <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; 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
Staff Strength					
Scientific	05	01	02	00	02
Technical	55	12	12	04	12
Non Technical	30	07	08	05	08

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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	257.87	26.32	44.72	13.07	28.27	37.24
Recurring	1211.21	188.88	209.16	70.49	81.15	1760.90
<b>Non General Recurring</b>	765.21	61.95	68.07	48.94	39.84	984.01
General						
CCA	30.27	14.51	20.77	7.39	10.24	83.19
<b>Total Non- Recurring</b>	795.48	76.46	88.84	56.33	50.08	1067.20

### **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	100	144	398	153	239
No of Students in above	8,239	11,056	11,876	11,063	16,946
No. of Visitors to Special Programme	1,183	6,089	4,029	8,660	2,730
No of General Visitors	1,89,117	61,104	90,418	53,278	1,10,658
No. of Free entry (Activity Club members, defense, handicapped etc)	22,771	605	0	1,509	1,468
Total Visitors to Museum/Centre	2,21,310	78,854	1,06,323	74,510	1,31,802
Visitors to MSE including film shows	6,200	0	900	3,537	5,932
Visitors to Outreach Programmes	5,164	7,759	3,420	0	1,850
<b>Total No of visitors to Museum / Centre &amp; outreach Programme</b>	2,32,674	86,613	1,10,643	78,047	1,39,584

**Galleries of VITM & its SU (South Zone) were closed from 16th April 2021 due to Covid 19 Pandemic.**

- VITM & DSC G were reopened on 19th July 2021.
- RSC Tirupati was reopened on 21st June 2021.
- DSC T was reopened to public on 23rd August 2021.
- RSCP C was reopened on 6th August 2021.



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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	Non Conventional Sources of Energy	370	18.11.2019	-	40
	Our Senses	370	15.10.2005	-	42
	Illusion	370	17.12.2006	-	45
	Emerging Technology	370	18.08.-2007	-	59
	Popular Science	370	07.09.2009	-	44
	Our Universe	370	04.02.2012	-	53
	Space Exposition Hall	381	21.05.2017	-	14
	Fun Science	80	05.05.2011	-	23
RSC P Calicut	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	-
	Fun Science	102	06.01.2004	-	34
DSC Gulbarga	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
	Fun Science	120	16.01.2008	14-11- 2018	22
DSC, Tirunelveli	Electronic Gallery	430	17.04.2009	-	49
	Popular Science	150	28.02.1987	-	30
	Mirror Magic	130	22.12.2012	-	26

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **4. NEW GALLERIES / MAJOR RENOVATIONS:**

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

<b>SI No</b>	<b>Title of the unit</b>	<b>Name of the Museum/Centre that developed the unit</b>	<b>No of Exhibits</b>	<b>Year in which developed</b>	<b>Date of major Renovation</b>
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 RSC, Tirupati )	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 at VITM Bangalore)	VITM, Bangalore	20	2019	--
11	Popular Science (at RSC P Calicut)	RSC P Calicut	20	2011	--
12	Space Technology for Human Welfare (at RSC Calicut)	VITM, Bangalore	20	2019	--
13	How Science Works for RSC Tirupati	RSC, Tirupati	20	2021	--

### **6. NEW TEMPORARY EXHIBITIONS (IN HOUSE DEVELOPMENT):**

**VITM: Nobel Prizes 2021 Exhibition**

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

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

<b>Name of the Museum/Centre</b>	<b>Area of the Science Park in Hectares or Acres</b>	<b>No of Exhibits</b>	<b>Date of Inauguration of Park</b>	<b>No of exhibits added during the year, if any</b>
VITM,	Science Park - 800 Sq. Mtrs.	8	--	--
RSC P Calicut	Science Park -3 acres	48	30.01.1997	2
RSC, Tirupati	Science Park – I 4.5 Acres	58	23.9.1993	4
	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:**

<b>Name of the Museum/Centre</b>	<b>VITM</b>	<b>RSC T</b>	<b>RSC P C</b>	<b>DSC G</b>	<b>DSC T</b>
No. of Gallery Exhibits	31	-	-	---	---
No. of Park Exhibits	22	1	-	---	---
No. of Exhibits for Temporary Exhibition	10	-	-	---	---
No. of Exhibits for Mobile Science Exhibition	---	-	3	---	---
No. of Kits developed (for New Science Shows)	---	27	10	---	---
No. of Duplicate Kits (in-house)	---	-	-	---	---
No. of Duplicate Exhibits (in-house)	---	-	-	---	---
No. of Duplicate exhibits (outside agencies)	---	2	-	---	---
No. of Duplicate Kits(outside agencies)	---	-	-	---	---
No. of Exhibits Renovated- category (gallery/MSE/Temp Exhibition)	---	30	3	---	---
No. of Kits Renovated (mention category - gallery/MSE/Temp. Exhibition)	---	-		---	---
<b>Total</b>	<b>63</b>	<b>60</b>	<b>16</b>	<b>---</b>	<b>---</b>

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

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

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **10. PLANNING:**

#### **VITM:**

1. Modernization of Hall of Electronics Phase-II
2. Planning of Fun science gallery
3. Modernisation of Dinosaur exhibition enclave Phase I
4. Modernisation of Energy Ball exhibit at Engine Hall
5. New gallery enclave on the theme Restoration of Ecosystem at Link Block terrace

#### **RSC T**

1. Completion of Biomimicry Gallery
2. Fabrication of New Science Parks Exhibits – 2 Nos.

#### **RSC P C**

1. Modernisation of Astronomy gallery (Planning & Fabrication of exhibits (Phase-1).
2. Modernisation of Planetarium \*(Equipment & chairs).
3. Fabrication of New Science Park Exhibits 4 Nos.

#### **DSC G**

1. Planning & Fabrication of new Gallery on Space (Phase I)- 20 exhibits

#### **DSC T**

1. Fabrication of Science Park Exhibits (4 Nos).
2. Modernisation of Electronics Gallery (Phase -1)

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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.**

<b>Name of the Museum/ Centre</b>	<b>Name of the Vehicle/Unit</b>	<b>Theme of Exhibits</b>	<b>No. of Exhibition Days</b>	<b>Kms. travelled</b>	<b>No. of Exhibition Sites</b>	<b>No. of Visitors</b>
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	---	---	---	---
DSC Gulbarga	U.R Rao	Water and Chemistry in our life	---	---	---	---
DSC Tirunelveli	C V Raman	Machines in Everyday Life	03	495	03	3182

<b>Name of the Museum/ Centre</b>	<b>Name of the Vehicle/Unit</b>	<b>Theme of Exhibits</b>	<b>No. of Exhibition Days</b>	<b>Kms. travelled</b>	<b>No. of Exhibition Sites</b>	<b>No. of Visitors</b>
VITM Bangalore	Cauvery	Electricity & Magnetism	1	42	1	422
RSC Tirupati	Sapthagiri	How Science Works?	-	-	-	-
RSC P Calicut	Periyar	Popular Science	1	16	1	900
DSC Gulbarga	Bheema	Man and Space				
DSC Tirunelveli	Thamirabarani	Our Environment	03	70	01	2750



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**



Mobile exhibition with the exhibits on 'Electricity & Magnetism' organised by VITM at KSTA, GKVK Campus,



Mobile exhibition with the exhibits on Machines in Everyday life organised by DSC T



Mobile science Exhibition at Govt Model HSS Kozhikode organised by RSCP C

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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.**

<b>Name of the Museum/ Centre</b>	<b>Name of the SDL/Science Shows Units</b>	<b>No of lectures held in Museum/ Centre</b>	<b>No of students attended the lecture</b>	<b>No of lectures held outside museum</b>	<b>No of students attended the lecture</b>
<b>VITM</b> (All Science shows were held online)	Science is Fun	1	260	--	--
	Chemical Reactions / Colour Chemistry	--	--	--	--
	Force & Pressure	--	--	--	--
	Magnetic effects on electric current	--	--	--	--
	Liquid Nitrogen	--	--	--	--
	Science V/s Miracle	--	--	--	--
	Chemistry at Kitchen'	1	30	--	--
	Chemistry of Hot & Cold'	1	28	--	--
	Chemistry of Oxygen & Hydrogen'	1	30	--	--
	'Chemistry & Nature'	1	22	--	--
	'Science in Everyday life'	3	460	--	--
	Science in Daily Life	1	109	--	--
<b>RSC T</b>	Acid, Bases & Salts	-	-	-	-
	Liquid Nitrogen shows	71	5006	3	680
	Electricity & Magnetism	-	-	-	-
	Bio Science	-	-	-	-
	Anti Superstition Show	2	180	1	225
<b>RSC P Calicut</b>	Liquid Nitrogen show	26	2440	5	210
	Chemical Reactions			3	95
	Properties of light	5	360	1	45
	Water				

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

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
	Chemistry in daily life	9	735		
<b>DSC G</b>	Electricity & Magnetism	2	140	-	-
	Science is fun	9	381	3	358
	Anti superstition shows	3	132	-	-
<b>DSC T</b>	Anti Superstition Shows	06 (Off-line)	298	--	--
	Electricity & Its Effects	02 (Off-line)	162	--	--
	Cryogenics (Liquid Nitrogen)	-	-	-	-
	Science is Fun	11	350	01 (Online)	68
	Sound	-	-	-	-
	Light	-	-	-	-
	Air	-	-	-	-
	Heat	-	-	-	-



Science Demonstration Lecture on 'Electricity & Magnetism' at VITM



Science Show on 'Liquid Nitrogen' at RSC T



Science Show on Science is fun at DSC T



Science Show on 'Science is fun' by RSCP C

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **12 (b) NATURE STUDY CAMPS:**

<b>Name of the Museum/Centre</b>	<b>Venue of the Camp</b>	<b>Duration of Camp (Date)</b>	<b>No of students</b>	<b>No of teachers</b>
RSC T	Sri Venkateswara Zoological Park	1 day 19-12-2021	45	5
RSC T	RSC Tirupati	1 day 20-2-2022	38	2

### **12 (c) ENVIRONMENT AWARENESS PROGRAMME:**

<b>Museum / Centre</b>	<b>Venue of the Camp</b>	<b>Duration of Camp (Days &amp; Date)</b>	<b>No of students</b>	<b>No of teachers</b>

### **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**

<b>Name of the Centre</b>	<b>No of shows</b>	<b>Total No of visitors</b>
VITM, Bangalore	168	5,303

### **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.*

<b>Name of the Centre</b>	<b>Total No of visitors</b>
VITM, Bangalore	46

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

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

<b>Name of the satellite Unit/Centre</b>	<b>No of film shows</b>	<b>Total No of visitors</b>
VITM, Bangalore	10,709	1,74,103
RSC, Tirupati	3	985
RSC P Calicut	--	--
DSC, Gulbarga	405	4,684
DSC, Tirunelveli	07	980

### **12 (g) 3D SHOWS:**

<b>Name of the satellite Unit/Centre</b>	<b>No of 3Dshows</b>	<b>Total No of visitors</b>
VITM, Bangalore	1,067	39,788
RSC, Tirupati	997	14,220
RSC P Calicut	676	62,346
DSC, Gulbarga	498	6,048
DSC, Tirunelveli	357	9,069

### **12 (h) POPULAR SCIENCE LECTURES:**

(Includes Online – Webinars)

<b>Venue</b>	<b>No. of Lectures</b>	<b>No of audience</b>
VITM, Bangalore	21	3,230
RSC, Tirupati	15	1,833
RSC P Calicut	22	1,765
DSC, Gulbarga	25	2,092
DSC, Tirunelveli	16	1,332

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**

<b>Name of the Museum/Centre</b>	<b>No of shows held</b>	<b>No of audience</b>
VITM, Bangalore	---	---
RSC, Tirupati *		
RSC P Calicut*	321	38,520
DSC, Gulbarga *	205	2,848
DSC, Tirunelveli *	-	-

\* Digital Planetarium

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 12 (j) SCIENCE QUIZ:

Name of the Museum	No of Quiz Contest held	No of participants	No of Audience
VITM, Bangalore	5	280	155
RSC, Tirupati	18	2,210	1,203
RSC P Calicut	11	315	0
DSC, Gulbarga	22	184	1,522
DSC, Tirunelveli	13	948	1,950

### 12 (k) SKY OBSERVATION PROGRAMMES:

Name of Museum	No of Programmes held	No of participants
VITM, Bangalore	---	---
RSC, Tirupati	21	2,890
RSC P Calicut	29	2,460
DSC, Gulbarga	4	47
DSC, Tirunelveli	14	480

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

VITM	<b>For FCI, Tanjavur</b>
	1. "Infestation" software.
	2. "Where we get our food crops from?".
	3. "Grains of India?" software.
	4. "FCI - The reservoir of life- saving food commodities?" software.
	5. "Storage Methods in India" software.
	6. "Storage Methods world wide" software.
	7. "Dishes of India" softwar.
	8. "Quiz " software.
	<b>For Seeds of Culture exhibition</b>
	9. "Spices" software.
	10. "50 Drugs" software.
	11. "Hortus Malabarics" software.
<b>RSC Calicut</b>	
1	Video on Onam
2	On a journey disseminating the language of science.
3	Zero shadow day
4	Chemical Volcano experiment



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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.

**Due to Covid – 19 pandemic the Science fairs/Camps could not be held.**

#### **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.

**Due to Covid – 19 pandemic the Science fairs/Camps could not be held.**

<b>Museum/ Centre</b>	<b>Venue &amp; Date</b>	<b>District/ Zonal/ State</b>	<b>No of students</b>	<b>No of Participating Schools</b>	<b>No of Audience</b>
DSC T	DSC-T (Online) 13-10-2021	District	68	22	90
	DSC-T (Offline) 22-02-2022	District	31	18	65

#### **13 (c) CREATIVE ABILITY CENTRE (CAC):**

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

<b>Name of the Museum/Centre</b>	<b>VITM</b>	<b>RSC-T</b>	<b>RSC P-C</b>	<b>DSC-G</b>	<b>DSC-T</b>
No. of Projects completed in Museum's CAC	--	67	12	-	--
No. of Creative Ability Centres	--	5	36	-	--
No. of Students involved in above	--	78	3	-	--
No. of Vacation CAC in museum	1	--	80	2	--
No. of Students involved in above	12	--	5	75	--
No. of Projects completed in above	18	--	12	75	--

List of projects completed is enclosed in Annexure - 4

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **13 (d) VACATION HOBBY CENTRE/CAMP:**

<b>Name of Museum/ Centre</b>	<b>Venue of programme</b>	<b>Duration</b>	<b>Subjects</b>	<b>No of Participants</b>
VITM	VITM (Online programme)	5 Days :26 to 30/04- 2021	Hands-on Experience in Basic Physics	12
RSC T	RSC T	6 Days 31-05-2021 to 05-06-2021	Bioscience	13
		6 Days 7- to 12-06-2021	Fun with Optics	24
		6 Days 25 to 30-06-2021	Fun With Science Toys	9
		6 Days 26- to 31-07-2021	Paper Electronics	11
		7 Days 10- to 16-01-2022	ByteSize Science	21
RSC P C	RSC P C	08-06-2021 to 13-05-2021	Chemical Magics	25
		14-06-2021 to 19-06-2021	Introduction to Astronomy and Astrophysics	35
		21-06-2021 to 26-06-2021	Introduction to Arduino and Sensors	25
DSC T	DSC T	05Days 19 – 23 July 2021	Science Toy Making	09
		05Days 09 – 13 August 2021	Science Toy Making	13

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

<b>Name of the Museum/ Centre</b>	<b>Venue</b>	<b>Date</b>	<b>Occasion</b>	<b>No. of Participants</b>	<b>Subject</b>
<b>SIT &amp; DRAW</b>	RSC T	20-05-2021	International Biodiversity Day	158	Biodiversity
		16-09-2021	World Ozone Day	3363	Ozone for Life
	RSC P C	16-09-2021	International day for the preservation of the Ozone layer	32	Ozone as a Protector



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	DSC G	06-08- 2021	Hiroshima Day	74	Nuclear Energy for peaceful purposes
		10-11- 2021	International Science Centre & Science Museum Day	78	Your science lab
	DSC T	23-05-2021	As a part of India's 75 Years of Independence Anniversary Celebrations	79	Freedom Movements in India
		12-09-2021	World Ozone Day	68	Ozone for Life
		21-11-2021	As a part of India's 75 Years of Independence Anniversary Celebrations	36	Indian Women Freedom Fighters
		12-12-2021	5 <sup>th</sup> Siddhar Day Celebrations	186	Medicinal Plant
		23-02-2022	Vigyan Sarvatra Pujyate (Rangoli Contest)	20	India's Space Mission
		26-02-2022	Vigyan Sarvatra Pujyate	128	The Bird I Like
<b>Essay Writing Contest</b>	RSC T	12-08-2021	-	595	A Future without plastic: through sustainability & circularity
		27-09-2021	28 <sup>th</sup> Anniversary Week	80	Your Imagination of RSC Tirupati in future
		07-10-2021	World Space Week	120	Indian Women in Space Technology
		29-10-2021	Vigilance Awareness Week	15	Independence & 75: Self-reliance with integrity
		23-02-2022	Vigyan Sarvatha Pujyathe	310	75 Years Independence, Achievements of India in Science & Technology
	RSC P C	04-10-2021	World Space Week	12	Space our future destination
		28-02-2022	National Science Day	15	Indian Scientist



Sit & Draw contest at DSC G

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Essay contest at DSC G



Drawing Contest organized at DSC-T



Drawing Contest organized at RSCP C

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### **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	24-02-2022	50	340
		29-03-2022	60	380
2	RSC P Calicut (Online)	14-07-2022 09-10-2022 27-02-2022	45	15

#### **(b) COMPUTER TRAINING PROGRAMME:**

Name of the Museum/ Centre	No of Programmes	Duration	No. of participants	Subject
VITM	1	5 Days :14 <sup>th</sup> to 18 <sup>th</sup> June, 2021	12	Online course on 'Python'
	1	5 Days : 9 <sup>th</sup> to 13 <sup>th</sup> August 2021	13	Online course on App development on Android
RSC P Calicut	1	1day, 14 <sup>th</sup> February 2022	20	Photoshop, Excel, PowerPoint.
DSC-T	01	One Day, 8 <sup>th</sup> March 2022	36	Computer Skill Development Training for Homemakers

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### **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
RSC T	RSC T	Science Drama	--	2	24	658
	RSC T	Science Mimes	--	2	16	450

**(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	Online interactive session on the topic 'Fun with Mathematics'	VITM Online	1 Day 6 <sup>th</sup> July 2021	248
	2	Online workshop on 'Poems from a machine: creating Ada Lovelace's imagination'	VITM Online	1 Day 13 <sup>th</sup> October 2021	190
	3	Guided tour of the museum and a Special Science Show on 'Science is Fun' for underprivileged children	VITM	15 <sup>th</sup> & 18 <sup>th</sup> November 2021	98
RSC T	1	Workshop on Kitchen Gardening	RSC T	1 Day	40
	2	Introduction to Astronomy	RSC T	1 Day	30
RSC P C	1	RT PCR Covid-19 testing camp	RSC Calicut	1day 07-05-2021	120
	2	HLA Blood Screening programme for Thalassemia patients	RSC Calicut	1day 14-11-2021	45
	3	Day with autism affected children	RSC Calicut	1day 30-03-2022	22

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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

<b>Name of the Museum/Centre</b>	<b>No. of programmes</b>
VITM, Bangalore	27
RSC, Tirupati	16
RSC P Calicut	9
DSC, Gulbarga	27
DSC, Tirunelveli	25

For details please refer Annexure – 5

### **17. TEMPORARY EXHIBITIONS:**

<b>Museum/Centre</b>	<b>Title of Exhibition</b>	<b>Duration</b>	<b>No. of visitors</b>	<b>Borrowed from</b>	<b>No. of visuals</b>	<b>No. of working/ Animated Exhibits</b>
VITM	Nobel Prizes 2021	10 <sup>th</sup> December 2021 to 31 <sup>st</sup> March 2022	71,500	Developed in house	6	---
	75 Years of Independence – India's Achievement in Science & Technology	22 <sup>nd</sup> to 28 <sup>th</sup> February 2022	6,000	NCSM	50	6
RSC T	75 Years of Independence Achievements of India in Science & Technology	22-02-2022 to 31-03-2022	21187	-	54	---
RSCP C	25 years of RSC Calicut	60 days 30-01-2022 to 30-03-2022	15,000	In house	16	5
	75 years of Independence- India's Achievement in Science & Technology	22-02-2022 to 30-03-2022 37 days	12,500	NCSM	64	-

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

DSC G	75th Year of Independence - India's Achievements in Science & Technology	22 – 28/02-2022 2022	2,450	NCSM	52	---
DSC T	75 Years of Science & Technology in Independent India	06 Days, 22 – 28 February, 2022	4,650	VITM, Bangalore	51	---

**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	10
RSC, Tirupati	14
RSC P Calicut	5
DSC, Gulbarga	7
DSC, Tirunelveli	13



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **19. LIBRARY & INFORMATICS:**

<b>Name of the Museum/ Centre</b>	<b>Item</b>	<b>Total holding as on 01-04-2021</b>	<b>No. Acquired during the year 2021-2022</b>	<b>No. Written off during the Year 2021-2022</b>	<b>Net holding as on 31-03-2022</b>
VITM	Books	11,138	15	0	11153
	Journals **	5	3	0	3
	Film 16mm	242	0	0	242
	Video Tapes/	500	0	0	500
	CD/DVD ROMS	405	0	0	405
	Slides	1,765	0	0	1,765
	Maps & Charts	151	0	0	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- Renewal	-	24
	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 2021-22**

### **20. PUBLICATIONS:**

<b>Name of the Museum/ Centre</b>	<b>Name Of The Publication</b>	<b>Process</b>	<b>Number Printed</b>	<b>Expenditure Incurred (in Rs.)</b>
RSC P C	Online journal titled 'Ousting the Outbreak'	Digital	200	NIL

### **21. CONSTRUCTION:**

<b>Name of the Unit</b>	<b>Name of the work</b>	<b>Tender Value of Work * (Rs. In Lakhs)</b>	<b>Date of Commencement</b>	<b>Date of Completion</b>
<b>VITM</b>	AMC work sanitary, plumbing and civil works at VIMSA and VITM for year 2021-21	8,81,506.00	01-03-2021	28-02-22
	Providing waterproofing of terrace (Canteen area) at VITM Phase - I	3,91,378.00	06-10-2021	19-11-21
	LED Street light	1,98,767.00	07-01-2022	25-01-2022
<b>RSC T</b>	Providing vitrified tile flooring in first floor gallery at RSC, Tirupati	6,32,917.00	09-11-2022	22-12-2021
	Providing vitrified floor tile flooring at first floor gallery - Granite flooring for staircase at RSC, Tirupati	2,42,406.00	02-22-2022	24-02-2022
	Fabrication of fire evacuation staircase at RSC, Tirupati	4,17,504.00	02-02-2022	18-03-2022
<b>RSCP C</b>	HT Cable work	5,49,934.00	15-12-2021	28-12-2021
	Providing waterproofing treatment at terrace at RSC, Calicut Phase - I	912,547.00	09-02-2022	09-03-22
<b>DSC G</b>	LED Matrix Display	1,99,500.00	26-11-2021	22-12-2021
	Modernisation of Planetarium floor at DSC, Gulbarga	2,78,812.00	08-09-2021	25-09-2021
<b>DSC T</b>	Construction of Soak pit and allied works at DSC, Tirunelveli	461,028.00	08-11-2021	26/012/2021

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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>
VITM	Renewal of Auto Desk Media	22-09-2021	1,29,892-00
	Renewal of License for creative Cloud	20-09-2021	37,406-00
	6 KVA UPS	31-01-2022	98,190-00
RSC P C	Taramandal set	12-04-2021	5,20,000-00
	Polishing machine-1No	13-04-2021	9,800-00
	Drill gun Bosch-1No	27-09-2021	6,745-00
	DLP Projector -2Nos	21-02-2021	5,36,000-00
	3D Screen-1No	28-02-2022	2,31,184-00
	Microsoft Office 2019	20-09-2021	71,744-00
	Adobe Creative Cloud	30-09-2021	37,146-00
	SITC of Non - Perforated Silver Screen	09-02-2022	2,31,184-00
DSC G	LED projector – casio make – 02 nos. VITM STV no.2580	08-04-2021	91,785-00
	Complete Taramandal set – 01no. CRTL STV no.2479,	31-03-2021	3,88,482-00
	Electric Hedge trimmer – 01no.	21-10-2021	20,000-00
	Numeric UPS – 05no.s	17-12-2021	11,750-00
	LED Display Matrix – 01no.s	20-02-2022	1,99,420-00
DSC T	Water Purifier	24-01-2022	14,809-00
	Drilling Machine	03-02-2022	7,670-00
	Router Machine	03-02-2022	5,074-00
	Screwdriver Machine	03-02-2022	7,670-00
	Battery 65 AH 12 V for 100 KVA Generator	28-03-2022	15,458-00
RSC T	Microsoft Office Home	29-09-2021	53,808-00

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### 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.	Gopi N.	Admin	Driver OG	Level-02	01.04.2021	19900	B.Sc	06.04.1983
2.	Manjunatha S.	Admin	Driver OG	Level-02	01.04.2021	19900	Dip. in Auto Mobiles	30.06.1983
3.	Krishna P.	Admin	Driver OG	Level-02	01.04.2021	19900	SSLC	12.02.1977
4.	Thyagaraj G.	Admin	Driver OG	Level-02	01.04.2021	19900	B.Com	01.06.1985
5.	Kandhavelraja	Tech	Edu. Asst.	Level-05	01.04.2021	29200	B.Sc	29.12.1995
6.	Dilip Kumar Jatti	Admin	Driver OG	Level-02	08.04.2021	19900	M.A.	22.05.1983
7.	Velammal M.	Admin	OA. Gr.III	Level-02	10.12.2021	19900	B.Com	21.06.1998
8.	Mohan J.	Tech	Tech 'A'	Level-02	21.02.2022	19900	ITI	27.04.1987
9.	M.U. Devaiah	Tech	Tech 'F'	Level-07	01.11.2021	58600	Dip. Horticulture	01.06.1973
10.	Binoy Kumar Dubey	Scie.	Curator 'D'	Level-12	02.08.2021	83600	B. Tech, MS	19.07.1985

### 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	Sarvesh Khare	Section Officer Level-07	Dy. CoA Level-11	60400	67700	03.09.2021
2	R. Rajeshwari	OA Gr.II Level-06	OA. Gr.I Level-06	50500	50500	03.09.2021
3	P. Krishnamurthy	Tech. Off. 'A' Level-07	Tech. Off. 'B' Level-09	62200	67200	23.07.2021

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4	K. A. Asiff	Tech. Asst. 'B' Level-06	Tech. Off. 'A' Level-07	66000	70000	23.07.2021
5	Subbanna	Tech. Asst. 'B' Level-06	Tech. Off. 'A' Level-07	64100	68000	10.09.2021
6	Dipu Das	Tech 'A' Level-02	Tech 'B' Level-04	21700	25500	04.09.2021
7	Pradeep Kumar A. S.	Exhb. Asst. 'A' Level-05	Exbh. Asst. 'B' Level-6	32900	35400	10.08.2021
8	S. Ramamoorthi	Tech 'F' Level-07	Tech 'G' Level-09	60400	65200	23.07.2021
9	S. Vadiraj	Tech 'F' Level-07	Tech 'G' Level-09	60400	65200	23.07.2021
10	Ravi B.O.	Tech 'B' Level-04	Tech 'C' Level-05	29600	31900	23.07.2021
11	Lekshmanan V.	Tech. Asst. 'B' Level-06	Tech. Off. 'A' Level-07	66000	68000	20.12.2021
12	Devadoss G.	Exbn Off. 'C' Level-11	Exbn. Off. 'D' Level-12	85800	86100	15.03.2022
13	Sasikumar Ayyanath	OA. Gr.I Level-07	Section Officer Level-07	55200	55200	31.12.2021

#### **23 (c) TRANSFERS:**

Sl.N o.	Full Name of personnel Shri/Smt/Ms	Designation	Transferred from....to...	Date of Relief/joining
1.	Sajoo Bhaskaran	Curator 'F'	VITM, Bangalore to Science City, Kolkata	13.08.2021
2	Sarvesh Khare	Dy.CoA	VITM, Bangalore to NSC, Delhi	31.03.2022
3.	Bharadan R.	Edu. Off. 'D'	VITM, Bangalore to DSC, Gulbarga	11.03.2022
4.	C. Narayanaswamy	Tech 'F'	DSC, Gulbarga to VITM, Bangalore	01.08.2021
5.	Manash Bagchi	Curator 'E'	RSC & P, Calicut to VITM, Bangalore	02.08.2021



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### 23 (d) RETIREMENT/REPATRIATION/RESIGNATION:

Sl 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	Chellappa L.	OA. Gr. II	DSC, Tirunelveli	Retirement	31.05.2021
2	M.M.E. Namboodiri	Sr. CoA.	VITM, Bangalore	Retirement	31.07.2021
3	Suryakanth N. Miskin	Tech. Off. 'C'	DSC, Gulbarga	Retirement	31.08.2021
4	Krishna Simha Reddy	Jr. Steno	VITM, Bangalore	Resignation	23.07.2021
5	Gopinath S.	Tech 'G'	VITM, Bangalore	Retirement	31.01.2022
6	Balraj S.	Tech. Off. 'B'	DSC, Tirunelveli	Retirement	28.02.2022
7	Bore Gowda	Tech 'G'	VITM, Bangalore	Retirement	31.03.2022
8	C.N. Laxminarayana	DSO, Edu. Off. 'D'	DSC, Gulbarga	Retirement	31.03.2022

### 24. MISCELLANEOUS:

#### 24 (a) DISTINGUISHED VISITORS

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

1. Prof. S. Sadagopan, Former Director, International Institute of Information Technology, Bangalore
2. Dr. Santanu Mukherjee, Associate Professor, Dept. of Organic Chemistry, Indian Institute of Science, Bangalore
3. Prof. Sharada Srinivasan, National Institute of Advanced Studies, Bangalore

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

1. Dr. Sireesha, Hon'ble Mayor, Tirupati Municipal Corporation
2. Shri P S Girisha, Commissioner, Municipal Corporation of Tirupati
3. Shri. Vitapu Balasubramanyam, Hon'ble MLC, Teachers Constituency, Andhra Pradesh
4. Dr. M Gurumurthy, Hon'ble Member of Parliament, Tirupati
5. Dr Y Aparna, Member Secretary, AP Council of Science & Technology, Vijayawada

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

1. Shri, P. A. Mohammed Riyas Hon'ble Minister for Public works and Tourism, Govt. of Kerala
2. Shri. Ahammed Deverkovil, Hon'ble Minister for Museums & Port, Govt. of Kerala.
3. Prof. Kana. M. Sureshan, Professor School of Chemistry, IISER Thiruvananthapuram

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

01. Shri V. Vishnu, District Collector, Tirunelveli
02. Dr K Pitchumani, Vice-Chancellor, Manonmaniam Sundaranar University, Tirunelveli.
03. Dr ShenbagaVinayaga Moorthy, Dean, Anna University Campus, Tirunelveli.

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### **24 (b) MEDIA PROGRAMMES IN WHICH STAFF PARTICIPATED:**

<b>Centre</b>	<b>Name of the Staff</b>	<b>Name of the media</b>	<b>Type of the programme</b>	<b>Broadcast on</b>
<b>RSC T</b>	Shri M M K Balaji PC RSCT	SVC new Channel	Prime Time New: Reopening on Science Centre	20-06- 2021
	Shri M M K Balaji PC RSCT	City Cable	Prime Time New Azadi Ka amrit Mahotsav Science Quiz Contest	05-07- 2021
	N T Purushothama Edu. Asst 'B'	SVC News Channel	News: Special Night Sky Observation	20-12-2021
	N T Purushothama Edu. Asst 'B'	City Cable	News: Campus Bird Count Programme	20-02- 2022
	Shri M M K Balaji PC RSCT	SVC new Channel	Prime Time News: Bytesize Science Vacation CAC	05-01- 2022
	Shri M M K Balaji PC RSCT	Krishna Teja News Channel	Prime Time News: Vigyan Sarvratha Pujyathe	22-02-2022
	Shri M M K Balaji PC RSCT	All India Radio, Tirupati	Udaya-Raagam Radio Talk Programme	22-03- 2022 at 7.30 am
<b>RSC P C</b>	Binoy Kumar Dubey Curator&Project Co ordinator	Media One	Interview on Silver Jubilee of RSC Calicut	29-01-2022
	Sunil. K.M Education Officer C	Mathrubhumi	Interview On 25years of RSCP	01-02-2022
	Binoj.K Education Officer A	KCL	Talk on Exhibition 75 years of Independence- India's Achievement in Science &Technology	23-02-2022
<b>DSC T</b>	Shri S M Kumar, DSO, DSC-T	News JTV	'Taking Science to Society safely during COVID- 19 Pandemic'.	17-04-2021
	Shri S M Kumar, DSO, DSC-T	News 18 TV &Puthiyathal aimurai TV	'Special Arrangements & Covid SOP for Visitors at DSC-T'	23-08-2021
	Shri P Marilenin, EO, DSC-T	Hello FM	DSC-T and its activities	13-11-2021
	Shri S M Kumar, DSO, DSC-T	All Electronic & Print Medias	Panel Exhibition on '75 Years of Science & Technology in Independent India'	21-02-2022
	Shri S M Kumar, DSO, DSC-T	All India Radio	Panel Exhibition on '75 Years of Science & Technology in Independent India'	22-02-2022

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

<b>Centre</b>	<b>Venue</b>	<b>Date</b>	<b>Topic</b>	<b>Speaker(Shri/Mr)</b>	<b>Audience</b>
VITM	VITM (Online)	04-04-2021	'Future of Science Museums'	Smt. K. A. Sadhana, Director, VITM,	55
RSC T	-	07-10-2021	Sharing Community Sustainable Consumption	Shri M M K Balaji PC, RSC Tirupati	110
	Regional Science Centre, Tirupati	23-02-2022	Glimpse of Science Communication & Popularization in Andhra Pradesh	Shri M M K Balaji PC, RSC Tirupati	85
	All India Radio, Tirupati	22-03-2022	Importance of World Water Day	Shri M M K Balaji PC, RSC Tirupati	95
RSC P Calicut	RSCP Online	01-07-2021	Collisions	Jayant Ganguly Technical Officer	55
	RSCP Online	03-07-2021	Science of cooking	Sunil. K. M Education Officer	40
	RSCP Online	04-07-2021	Chemistry of cosmetics	Binoj. K Education Officer	40
	RSCP Online	22-09-2021	Understanding Equinoxes and Solstices	Shri Binoy Kumar Dubey, Curator & Project Co-Ordinator	60
	RSCP Online	23-09-2021	Confirming September 23 as an equinox Day	Jayant Ganguly Technical Officer	35
	Calicut University	03-10-2021	Information Technology	Shri Binoy Kumar Dubey, Curator & Project Co-Ordinator	120
DSC T	Tamilnadu Special Police 9 BN Camp, Manimutharu	24-08-2021	'Innovate & Industrialize - get ready to be honored'	Shri S M Kumar, DSO, DSC-T	68
	Govt. Hr Sec. School, Maruthkulam	21-09-2021	'Joy of Sky Watching'	Shri S M Kumar, DSO, DSC-T	65
	Francis Xavier College of Engineering, Vannarpettai, Tirunelveli	05-02-2022	'Innovate& Inspire - Get ready to be Honored'	Shri S M Kumar, DSO, DSC-T	259
	American College, Madurai (Online)	25-02-2022	'Indian Inventions & Innovations – Past Brilliance & Future Prospects'	Shri S M Kumar, DSO, DSC-T	135

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

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

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **Pre Historic Life Park**

<b>Sl. No.</b>	<b>Name of the Exhibit</b>	<b>Sl. No.</b>	<b>Name of the Exhibit</b>
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 2021-22**

### **RSC P Calicut**

- |                             |                          |
|-----------------------------|--------------------------|
| 1. Echo tube                | 41. Standing See Saw     |
| 2. Who speaks               | 42. Dome climber         |
| 3. Weightlessness           | 43. Balancing Block      |
| 4. Rolling & sliding        | 44. Orbital Climber      |
| 5. The acrobatic ball       | 45. Sun to phone         |
| 6. Minimum time path        | 46. Magical swing        |
| 7. Roller coaster           | 47. Bouncing ball        |
| 8. Mobius band              | 48. Tensigrity structure |
| 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 Archimedes screw  |                          |
| 37. Magical swing           |                          |
| 38. YoYo                    |                          |
| 39. Delayed Hearing         |                          |
| 40. Energy Drum             |                          |

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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 2021-22**

### **DSC, TIRUNELVELI**

1. Sun dial
2. Early Man faces
3. Musical Bars
4. Centrifugal force
5. Amusing See saw
6. Aero engine Radial type
7. Size And Distance
8. Win a race
9. Weightlessness 'A'
10. Echo Tube
11. Pulley System
12. Check Your Weight
13. Roller Coaster
14. Acrobatic Ball  
(Centripetal Force - A)
15. Gravity Well
16. Pulley Drive
17. Gear train
18. Worm Wheel
19. How friction helps?
20. Swing is a Pendulum
21. Rocking Chair
22. Tug of War
23. Rolling Drum –Circular
24. Rolling Drum –Hexagonal
25. Deceiving Eyes
26. Inertia of Wheels
27. Gravity Paradox - A
28. Gravity paradox - B
29. Sound Reflectors
30. Harmonograph
31. World Clock
32. Self Balancing Sticks
33. Spider Web
34. Variable Pendulum
35. Bird in a Cage
36. Parabola
37. Weightlessness 'B'
38. Size & Weight
39. Compound pendulum
40. Lever reduces effort –I
41. Lever reduces effort –II
42. Lever reduces effort –III
43. Lissajous Figures - A
44. Inclined Plane
45. Isis Speak - 1 set (2 Nos.)
46. Straight Line or Circle  
(Pulfrich Pendulum)
47. Seesaw is a Lever 'A'
48. Seesaw is a Lever 'B'
49. Sympathetic Swing
50. Angular Momentum
51. Swing is a Pendulum
52. One plus one is less than one
53. Projectiles
54. Action & Reaction
55. Archimedes Screw
56. Geodesic Dome
57. Moebius Band
58. Express Slide
59. Wave Motion
60. Cycloid Path
61. Lift Yourself Up
62. Elliptical Band
63. Swings of different lengths
64. Scientists Busts (08 Nos)
65. Mathematical Totem (13 Nos)
66. Camera Obscura
67. Rabbit cage
68. Pet Aviary
69. Yo - yo
70. Geodesic Dome (5.4Mtrs)
71. Geodesic Dome (3.6 Mtrs)
72. Guess the length
73. Persistence of Vision
74. Involute in a Circle
75. Total Internal Reflection
76. Sun dial or Telling Time
77. Rotation per Minute
78. Spring Saves Energy
79. Inner Earth
80. Moment of Inertia
81. Rain Rain Come Again
82. Electromagnetic Waves
83. Ellipse
84. Tension

## ***ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22***

### **PREHISTORIC ANIMAL PARK EXHIBITS**

**Sl. No.    Name of the Exhibit**

- |   |                   |
|---|-------------------|
| 1 | Dimetrodon        |
| 2 | Stegosaurus       |
| 3 | Corinthosaurus    |
| 4 | Tyrannosaurus Rex |
| 5 | Gallimimus        |
| 6 | Baluchitherium    |

**Sl. No.    Name of the Exhibit**

- |    |                 |
|----|-----------------|
| 6  | Glyptodon       |
| 7  | Spinosaurus     |
| 8  | Psittacosaurus  |
| 9  | Scelidosaurus   |
| 10 | Early Man faces |

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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.	Acrobatic Stick	Fun Science	SRSC Rajahmundry
2.	Cone runs uphill	Fun Science	SRSC Rajahmundry
3.	Probability Curve	Fun Science	SRSC Rajahmundry
4.	Chaos	Fun Science	SRSC Rajahmundry
5.	Ambiguous figure	Fun Science	SRSC Rajahmundry
6.	Hot Spot	Fun Science	SRSC Rajahmundry
7.	Planetary Motion	Fun Science	SRSC Rajahmundry
8.	Lazy Coins	Fun Science	SRSC Rajahmundry
9.	Prof U R Rao Bust with Arya Bhatta,	Park	KSTA Project
10.	Sun Dial,	Park	KSTA Project
11.	Planetary Motion,	Park	KSTA Project
12.	Constellation,	Park	KSTA Project
13.	Earth Moon System,	Park	KSTA Project
14.	Action & Reaction,	Park	KSTA Project
15.	Lift yourself,	Park	KSTA Project
16.	Swings,	Park	KSTA Project
17.	Sympathetic swing,	Park	KSTA Project
18.	Levers,	Park	KSTA Project
19.	Musical Pipes,	Park	KSTA Project
20.	Turn Faster,	Park	KSTA Project
21.	Space Suit,	Park	KSTA Project
22.	Pythagoras theorem,	Park	KSTA Project
23.	Spinning Universe	Park	KSTA Project

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

24.	Elliptical speaking tube	Park	KSTEPS – at PES College Mandya
25.	ISIS speaks	Park	KSTEPS – at PES College Mandya
26.	Swing is a pendulum	Park	KSTEPS – at PES College Mandya
27.	Check your Weight	Park	KSTEPS – at PES College Mandya
28.	Magic water tap	Park	KSTEPS – at PES College Mandya
29.	Size & Distance	Park	KSTEPS – at PES College Mandya
30.	why do we see one face of Moon	Park	KSTEPS – at PES College Mandya
31.	Evolution of Plant forms	'Seeds of Culture' Temporary Exhibition	VITM
32.	Indigo	'Seeds of Culture' Temporary Exhibition	VITM
33.	Spices	'Seeds of Culture' Temporary Exhibition	VITM
34.	Spice Box	'Seeds of Culture' Temporary Exhibition	VITM
35.	Plant chemicals	'Seeds of Culture' Temporary Exhibition	VITM
36.	Murals	'Seeds of Culture' Temporary Exhibition	VITM
37.	Arabdhaw	'Seeds of Culture' Temporary Exhibition	VITM
38.	Seeds in Games	'Seeds of Culture' Temporary Exhibition	VITM
39.	Spice Trade	'Seeds of Culture' Temporary Exhibition	VITM
40.	Ecological Zones	'Seeds of Culture' Temporary Exhibition	VITM
41.	Acrobatic Stick	Fun Science	Science Centre – Ambala
49.	Cone runs uphill	Fun Science	Science Centre - Ambala
50.	Cone runs uphill	Fun Science	Science Centre - Almorah
51.	What is Space	Space Technology	DSC Tirunelveli.
52.	Vikram Sarabhai	Space Technology	DSC Tirunelveli.
53.	Atmosphere	Space Technology	DSC Tirunelveli.
54.	Looking into Space	Space Technology	DSC Tirunelveli.
55.	Rocket Propulsion	Space Technology	DSC Tirunelveli.

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

56.	Rocket	Space Technology	DSC Tirunelveli.
57.	RLV	Space Technology	DSC Tirunelveli.
58.	Scramjet	Space Technology	DSC Tirunelveli.
59.	Rocket Components	Space Technology	DSC Tirunelveli.
60	What is satellite? • Satellite Parts • Satellite Mission • Satellite Types	Space Technology	DSC Tirunelveli.
61	Satellite Vision	Space Technology	DSC Tirunelveli.
62	Satellite Orbits	Space Technology	DSC Tirunelveli.
63	Chandrayaan	Space Technology	DSC Tirunelveli.
64	Mangalyaan	Space Technology	DSC Tirunelveli.
65	Satellite Components	Space Technology	DSC Tirunelveli.
66	Satellite Applications	Space Technology	DSC Tirunelveli.
67	Be an Astronaut	Space Technology	DSC Tirunelveli.
68	Space Application	Space Technology	DSC Tirunelveli.
69	Spin Offs	Space Technology	DSC Tirunelveli.
70	Indian Space Programmes	Space Technology	DSC Tirunelveli.
71	Gaganyaan	Space Technology	DSC Tirunelveli.

#### **KITS/AIDS DEVELOPED**

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#### **RSC, TIRUPATI**

<b>Sl. No.</b>	<b>Name of the exhibit</b>	<b>Name of the Gallery for which it is made</b>	<b>Centre for which it is developed</b>
1	Wave Energy	Non-Conventional Energy Resource	RSCT
2	Pulley Drive	Science Park	RSCT
3	Optic Tree	Science Park	RSCT
4	Spider Web	Science Park	RSCT
5	Weightlessness	Science Park	RSCT
6	Anaglyph	Popular Science Gallery	RSCT



### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

7	Peripheral Vision	Our Senses	RSCT
8	See Saw as a Lever	Science Park	RSCT
9	Lift Yourself	Science Park	(RSC, Rajahmundry)
10	Swing is A Pendulum	Science Park	(RSC, Rajahmundry)
11	Colour Memory	Our Senses	RSCT
12	Lever Reduce Effort	Science Park	RSCT
13	Win The Race	Science Park	RSCT
14	Action Reaction	Science Park	RSCT
15	Compound Pendulum	Science Park	RSCT
16	Spinning Egg	Popular Science Gallery	RSCT
17	See Saw as a Lever	Science Park	RSCT
18	Ocean Exploration	Emerging Technology	RSCT
19	Your Address	Emerging Technology	RSCT
20	Earth Moon System	Science Park	RSCT
21	Information Technology	Emerging Technology	RSCT
22	Earth Moon System	Science Park	RSCT
23	Rolling Discs	Science Park	RSCT
24	Pin Screen	Science Park	RSCT
25	Sympathetic Swing (Children)	Science Park	RSCT
26	Butterfly Enclave	Science Park	RSCT
27	Inverse Square Law	Popular Science Gallery	RSCT
28	Raising Bubbles	Popular Science Gallery	RSCT
29	World Minus Colours	Science Park	RSCT
30	Moment of Inertia	Science Park	RSCT

#### **KITS/AIDS DEVELOPED**

Sl No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Osmosis	Kit	RSCT

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

2	Imbibitions	Kit	RSCT
3	Plant Physiology	Kit	RSCT
4	Ray Optic Kit	Kit	RSCT
5	Centrifugal Force	Kit	RSCT
6	Paper Electronics Kit (12 experiments)	Kit for CAC	RSCT
7	Wave Pattern	Kit	RSCT
8	Quiz Buzzer	Kit for Quiz	RSCT
9	Electromagnetism kit (6 experiments)	Kit	RSCT
10	3D Hologram	Kit for Workshop	RSCT
11	Effect of Temperature & Resistance	Kit for Cold Show	RSCT
12	Effect of Temperature on LED (Semiconductor)	Kit for Cold Show	RSCT
13	Lazy Tube {Lenz's Law}	Kit	RSCT
14	Thompson's Jumping Ring	Kit for Cold Show	RSCT
15	Effect of Temperature on Chemical Reaction	Kit for Cold Show	RSCT
16	Electrolysis	Kit for CAC	RSCT
17	Electroplating	Kit for CAC	RSCT
18	Electromagnetism kit (6 expts)	Kit for TTP	RSCT
19	Sun Scale	Kit	RSCT
20	Bioscience Kit (7 Activities) TTP	Kit for TTP	RSCT
21	Cross Staff	Kit	RSCT

#### **RSC P Calicut**

<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.	Fractions & Decimals	MSE Mathematics	RSCP Calicut
2.	Orthogonal projection	MSE Mathematics	RSCP Calicut
3.	Binary to decimal	MSE Mathematics	RSCP Calicut

#### **KITS/AIDS DEVELOPED**

<b>SI No</b>	<b>Name of the exhibit</b>	<b>Type of exhibit</b>	<b>Gallery / Centre for which made</b>
1.	Pythagoras theorem	Kits for SDL	RSCP Calicut

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

2.	Galton Board	Kits for SDL	RSCP Calicut
3.	Gear Train	Kits for SDL	RSCP Calicut
4.	Variable pendulum	Kits for SDL	RSCP Calicut
5.	Snake pendulum	Kits for SDL	RSCP Calicut
6.	Isomerism	Kits for SDL	RSCP Calicut
7.	Acrobatic stick	Kits for SDL	RSCP Calicut
8.	Inertia	Kits for SDL	RSCP Calicut
9.	Dancing ring	Kits for SDL	RSCP Calicut
10.	Nail Chair	Kits for SDL	RSCP Calicut

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

Sl No	Name of the exhibit	Type of exhibit	Gallery / Centre for which made
1	Size and Distance (Renovated)	Park	DSCG

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22****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	22-04-2021	Restore our Earth	Shri. Narayanan Subramaniam, Senior Director of Engineering & Principal Architect, @ Nutanix, Co-Chair, Humanitarian Technologies & Climate Action, Member of the IEEE Bangalore Section & Computer Society Executive Committee, Bangalore	VITM - Online	85
2	11-05-2021	Life Support Technologies for COVID-19.	Dr. N. S. Kumar, Scientist 'G' & Associate Director, at DEBEL, DRDO,	VITM - Online	186
3		The Future of Museums: Recover and Reimagine	Dr. Rachel Goslins, Director, Arts & Industries Building, Smithsonian, USA	VITM - Online	280
4	05-06-2021	Restoration of Ecosystems'	Prof. Harini Nagendra, Director, Research Center, & Professor of Sustainability, Azim Premji University, Bangalore	VITM - Online	264
5	21-06-2021	Yoga for Immunity and Respiratory Health – Simha Kriya	Shri. Anil Kashinath, Isha Foundation,	VITM - Online	110
6	22-06-2021	Protective Value of Traditional Health care approaches for children'	Dr. Preeti M Galagali, MD, PGDAP, FIAP, Consultant Adolescent Health Specialist and Pediatrician, Director, Bengaluru Adolescent Care and Counseling Centre, Bengaluru	VITM - Online	320
	22-06-2021	Protective Value of Traditional Health care approaches for children'	Dr. Hemant Bhargav, MD (Yoga and Rehab), PhD (Yoga), Assistant professor of Yoga, Department of Integrative Medicine, NIMHANS, Bengaluru	VITM - Online	118
7	06-07-2021	Fun with Mathematics	Shri. V S S Sastry, a Renowned Mathematics Communicator, Kolar,	VITM - Online	248

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

8	27-07-2021	Challenges of Space Exploration	Dr. V R Lalithambika, Distinguished Scientist-Director, Human Space Programme, ISRO Head Quarters, Bangalore	VITM - Online	121
9	05-09-2021	My Teacher, My Mentor Reminiscence by Eminent Scientists	Dr. Nivedita Gupta, Scientist ICMR Hq, Delhi	VITM - Online	70
10	15-09-2021	Creative thinking in Engineering & Technology	Dr. Ketan Kotecha, Dean and Director, Symbiosis Institute of Technology, Pune	VITM - Online	160
11	09-09-2021	Space Science Missions	Ms. Nigar Shaji, Project Director, Aditya L1, U R Rao Satellite Centre, Bangalore	VITM - Online	240
12	18-11-2021	Dr. E K Janaki Ammal Memorial webinar - A glimpse in to the journey of Dr. E K Janaki Ammal – the Indian Botanist'	Dr. Noorunnisa Begum S, Associate Professor, Centre for Conservation of Natural Resources, The University of Trans Disciplinary University(TDU) of Health Science & Technology, Bangalore	VITM - Online	265
13	10-12-2021	Nobel Prizes in Chemistry – 2021: Asymmetric Catalysis with Small Organic Molecules.	Dr. Santanu Mukherjee, Associate Professor, Dept. of Organic Chemistry, Indian Institute of Science, Bangalore	VITM - Online	75
14	07-01-2022	Nobel Prizes 2021 in Physiology & Medicine – Sensing world around us'	Dr. Kushagra Bansal, Assistant Professor, Molecular Biology & Genetics unit at Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore.	VITM - Online	75
15	04-02-2022	Life style for Cancer Prevention	Dr. Mohan Kumar, Radiation Oncologist, HCG – MSR Cancer Centre, Bangalore	VITM - Online	60
16	11-02-2022	Equity, Diversity and Inclusion-Water connects all	Dr Bhakti Devi, Founder, Jalsmruti NGO, Bangalore	VITM - Online	60
17	28-02-2022	Integrated Approach in S & T for Sustainable Future	Prof. S Dasappa, Chairman, Interdisciplinary Centre for Energy Research and faculty, Centre for Sustainable Technologies Indian Institute of Science, Bangalore	VITM - Online	100
18	08-03-2022	Gender Equality today for a sustainable tomorrow	Prof. Sharada Srinivasan, National Institute of Advanced Studies, Bangalore	VITM	198

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

19	22-03-2022	Ground Water making invisible visible	Prof. S. Vishwanath, Civil Engineer and an Urban Planner, Adjunct Professor, Azim Premji University, Bengaluru, India Trustee - Biome Environmental Trust & Director at Biome Environmental Solutions.	VITM	125
20	29-03-2022	Prevention of Sexual Harassment of Women at Workplace	Prof. Sarasu Thomas, National Law School, Bangalore delivered a talk.	VITM	70
21	29-03-2022	A case study on 'Gender inequality'.	Dr. Bindiya Yohanan, Sr. Counsellor, Parihar, O/o PC, Bangalore	VITM	70

#### **RSC TIRUPATI**

<b>Sl. No.</b>	<b>DATE</b>	<b>TOPIC</b>	<b>NAME OF THE SPEAKER</b>	<b>VENUE</b>	<b>AUDIENCE</b>
1	04-04-2021	Future of Science Museum	Smt. K A Sadhana, Director, Visvesvaraya Industrial & Technological Museum, Bangalore	Online	39
2	04-04-2021	Astronomy & Indian Festival	Dr. Ratnashree Nandivada, Director, Nehru Planetarium, New Delhi	Online	34
3	11-05-2021	New Technologies for 2021 & Beyond	Shri Vidyasagar Machepalli, Technical Product Manager & Development Advocate, IBM	Online	89
4	05-06-2021	Ecological Restoration Concepts & Practices	Shri Ramesh Venkataraman, Director, Executive Committee and Managing Trustee, Junglescapes Charitable Trust, Bangalore  Dr. K. Anand, Member of the Project Governance Committee, Junglescapes Charitable Trust, Bangalore	Online	89
5	29-08-2021	'Ozone for Life: A Brief Timeline'	Shri. M M K Balaji, Project Coordinator, Regional Science Centre, Tirupati	Online	320
6	29-08-2021	'Long Long time ago'	Dr. Sanjukta Chakravorti, Geologist & Palaeobiologist, Former Senior Research Fellow, Indian Statistical Institute, Kolkata	Online	120

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

7	08-09-2021	'Sensitizing People on Significance of Eye Donation'	Dr. V. Raj Yashwanth, Phaco & Refractive Surgeon, Cornea & Dry Eye Specialist, Sri Venkateswara Aravind Eye Hospital, Tirupati	Online	110
8	09-10-2021	'Women in Space'	Smt. N. Valarmathi, Former Deputy Director, UR Rao Satellite Centre, ISRO, Bengaluru	Online	100
9	10-11-2021	'Making Sense of Complexity, Disorder and Fluctuations'	Dr. Tapan Chandra Adhyapak, Assistant Professor, Department of Physics, Indian Institute of Science Education & Research, Tirupati	Online	75
10	11-12-2021	'Sensing Temperature and Touch'	Dr. Alladi Mohan, MD (Medicine) Professor, Head, Department of Medicine, Sri Venkateswara Institute of Medical Sciences, Tirupati	Online	85
11	12-01-2022	'Life and Works of Swami Vivekananda'	Sujatha Naik, Jeevanavriti Karyakartha, Vivekananda Rock Memorial Vivekananda Kendra, Kanyakumari	RSCT	43
12	12-02-2022	'The Beagle Voyage of Charles Darwin'	Dr. S. Krupanidhi, Professor & Head, Dept. Of Biotechnology, Chairman, Vigyan's Foundation for Science, Technology & Research, Guntur	Online	84
13	24-02-2022	'Milestone in Modern Science & Technology'	Prof. S Vijay Bhaskar Rao, Dean, Research & Development, Sri Venkateswara University, Tirupati	RSCT	65
14.	29-08-2021	'Glimpse of Science Communication and Popularization in Andhra Pradesh'	Shri. M M K Balaji, Project Coordinator, Regional Science Centre, Tirupati	Online	380
15	28-02-2022	'Swadeshi Paramparik Inventions and Innovations'	Shri. Vitapu Balasubramanyam, Hon'ble MLC, Teachers Constituency, Andhra Pradesh	RSCT	220



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **RSC P CALICUT**

<b>Sl. No.</b>	<b>DATE</b>	<b>TOPIC</b>	<b>NAME OF THE SPEAKER</b>	<b>VENUE</b>	<b>AUDIENCE</b>
1	30-04-2021	Perceiving the pandemic, surviving the surge	Dr. Shahid Jameel, Director, Trivedi school of Bio Sciences at Ashoka University	RSCP Online	75
2	20-05-2021	Learning Statistical Science through Examples	Professor Dipak Dey, Department of Statistics and Mathematics, University of Connecticut USA	RSCP Online	95
3	05-06-2021	Recent Advances in Cyclone Warning in India'	Dr. Mrutunjay Mohapatra, Director General of Meteorology, Indian Meteorological Department	RSCP Online	150
4	05-06-2021	Wetland Ecosystems-A need to Restore and Conserve for Climate Resilient Kerala",	Dr. Rishiram Ramanan Assistant Professor, Department of Environmental Science, Central University of Kerala	RSCP Online	125
5	21-06-2021	Yoga for well-being	Shri Unniraman Master, Patanjali Yoga Research Centre	RSCP auditorium	35
6	24-06-2021	Journey to the Sun'	Dr. Rakesh Mazumder AERIES Nainital	RSCP Online	70
7	19-07-2021	Quantum computing and Quantum Information Technology	Prof. Arun Kumar Pati Professor, QIC Group, Physics Division, Harish-Chandra Research Institute Allahabad	RSCP Online	95
8	22-07-2021	Minor bodies in the solar System	Dr. Arvind Paranjpye, Nehru Planetarium Mumbai	RSCP Online	65
9	28-07-2021	Fast moving Corona variants and possibility of a third wave	Prof Ravindra Kumar Gupta Professor Clinical Microbiology, Wellcome Senior Fellow in Clinical Science, Cambridge Institute of Therapeutic Immunology and Infectious Diseases, Jeffrey Cheah Biomedical Centre University of Cambridge	RSCP Online	115
10	20-08-2021	Tribal Astronomy'	Dr. Mayank Vahia NMIMS, Mumbai	RSCP Online	80
11	16-09-2021	Counting Photons in the Universe	Dr. Vikram Khairi IIST Thiruvananthapuram	RSCP Online	75

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

12	06-10-2021	Women in Space & Advances in Space missions	Smt. A.P. Beena, Head, Structural Engineering Division & Associate Project Director, Gaganyaan, Vikram Sarabhai Space Centre Thiruvananthapuram	RSCP Online	65
13	25-10-2021	Gravitational lensing of Gravitational waves	Dr. Ajith Parameswaran ICTS (TIFR), Bangalore	RSCP Online	90
14	14-11-2021	Innovative approaches in Bone marrow transplantation	Dr. V.P. Krishnan Consultant in Pediatric Hemato Oncology, MVR Cancer Institute	RSCP auditorium	45
15	29-11-2021	Cosmic Cannibals: The story of galaxy evolution'	Dr. Ravikumar C D Professor Dept of Physics, University of Calicut	RSCP Online	70
16	18-12-2021	Is Solar System unique	Dr. Ravinder K Banyal Scientist, Indian Institute of Astrophysics Bangalore	RSCP Online	65
17	20-12-2021	Chemistry for Human Welfare	Prof. Kana.M. Sureshan, Professor, School of Chemistry, IISER Thiruvananthapuram	RSCP auditorium	105
18	27-01-2022	Some unusual records on stone inscription	Dr. Shylaja B S Scientist, J N Planetarium, Bangalore	RSCP Online	70
19	10-02-2022	Why Einstein (Had I been born in 1844)? Relativity for Everyone5	Dr. Naresh Dadhich, Scientist, IUCAA Pune	RSCP Online	65
20	23-02-2022	Moon & Tides	H R Madhusudan, JN Planetarium, Bangalore	RSCP Online	70
21	25-02-2021	Eclipses in Indian Inscriptions	Prof (Dr.) Padmaja Venugopal, SJB Institute of Technology, Bengaluru	RSCP Online	65
22	16-03-2021	Feeding Supermassive Black Holes	Dr. Neeraj Gupta Scientist, IUCAA Pune	RSCP Online	75

#### **DSC GULBARGA**

Sl.No.	Date	Topic	Name of the Speaker	Venue	Audience
1.	22.04.2021	Earth & its Environment	Dr. Prakash K, Chairman, Dept. of studies and research in Environmental Science, Gulbarga University	DSC G	48

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

2.	05.06.2021	Our Environment & Sustainable Development	Dr. R Nijagunappa, Rtd. Chairman, Dept. of Environmental Science, Gulbarga University, Kalaburagi	DSC G	53
3.	05.07.2021	Career opportunities in Astronomy & Astrophysics	Dr. Niruj Mohan Ramanujam Scientist, Radio Astronomer, Indian Institute of Astrophysics, Bengaluru	Webinar DSC G	95
4.	08.07.2021	Ask an expert on COVID -19	Dr. Malhar Rao Malle Family Physician , Malle Clinic, Secretary, St. John's Ambulance Kalaburagi	Webinar DSC G	53
5.	11.07.2021	Coping up with COVID-19 pandemic - myths & facts	Dr. Gururaj Kulkarni, Family Physician & Director, Shanti Medical Centre, Kalaburagi	Webinar DSC G	76
6.	16.07.2021	Uniqueness of Indian freedom movement	Narendra Badsheshi, Rtd. Professor, M.S.I Degree College, Kalaburagi , Rtd. Principal, College of Management	Webinar DSC G	72
7.	19.07.2021	Moon exploration- a step towards exploring space	Mr.Samir Dhurde, Science Educator and Astronomer, IUCAA, Pune	Webinar :DSCG	92
8.	22.07.2021	Photoelectric effect & applications	Dr. M.S.Jogad , Former Coordinator, Dept. of Physics, KSWU, Vijayapur, Former Principal, S.B.College of Science, Kalaburagi	Webinar DSCG	68
9.	28.07.2021	Managing Hepatitis	Ravi Kurle, Prof. Dept. Of Community medicine, MRMC, Kalaburagi	Webinar :DSCG	34
10.	07.08.2021	Nuclear power – Green, Clean & Safe	Shri S.K. Jena, Senior Manager, Corporate Communication group, NPCIL, Mumbai	Webinar DSCG	96
11.	27.08.2021	Data acquisition & Validation in Industrial internet of things (IIOT) Applications	Er. Panchaksharayya Hiremath, Co-Founder & Technical Director, Electrono Solution Pvt. Ltd., Bengaluru	Webinar DSCG	56
12.	27.08.2021	Online discussion on new education policy	Dr. M.S.Jogad Former Coordinator, Dept. of Physics, KSWU, Vijayapur & Prof. of Physics (Hon.), SSSUHE, Kalaburagi & EC member IAPT RC-12	Webinar DSCG	43

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

13.	16.09.2021	Earth's Atmosphere, Importance of Ozone layer and Climate change	Dr. Shashikant R Mise, Professor, dept. of Civil Engineering, PDA Engg College, Kalaburagi	DSCG	115
14.	07.10.2021	Environment Laws - Plastic Waste Management & Disposal	Shri Adamsab, Assistant Environment officer, KSPCB, RO, Kalaburagi	DSCG	88
15.	08.10.2021	Clean India Campaign - Plastic and E-Waste Management & Disposal	Shri Ramesh Bashetty, Environment Engineer, M/s Orient Cement Ltd, Wadi	DSCG	90
16.	16.10.2021	Nutritional food to boost immunity power	Dr. Ravi Kurlle, Assistant Professor, Dept. of Community Medicine, M R Medical College Kalaburagi	Webinar DSCG	45
17.	29.10.2021	Pollution due to crackers and celebrating Eco-friendly Deepavali	Shri Adamsab, Assistant Environment officer, KSPCB, RO, Kalaburagi	DSCG	45
18.	11.11.2021	E-waste management	Shri Adam Patel, Assistant Environment officer, Karnataka State Pollution control board, Regional Office	DSCG	132
19.	22.12.2021	Life and works of Srinivasa Ramanujan	Dr. S.N Gaikwad, Professor, Dept. of Mathematics, Gulbarga University, Kalaburagi	Webinar DSCG	65
20.	06.01.2022	Applications of Biotechnology	Dr. Ramesh Londonkar, Professor, Dept. of Biotechnology, Gulbarga University, Kalaburagi	DSCG	68
21.	10.01.2022	Conservation of Biodiversity – role of Flora & fauna for existence of Human life	Dr. A.H Rajasaheb, former VC of Tumkur University and Pro VC of K.B.N. University	DSCG	156
22.	22.02.2022	Self reliant India in the field of Space technology	Er. Narayana Inamdar, Rtd Scientist, NRSA-ISRO, Hyderabad & NASA, USA	DSCG	147
23.	26.02.2022	Self reliant India in the field of nuclear Power	Shri. S.K. Jena, Senior Manager, Corporate Communication Group, NPCIL - Mumbai	Webinar DSCG	151
24.	27.02.2022	Evolving S & T trends in Indian Agriculture	Dr. P.V. Shivaprasad , Associate Professor National Centre for Biological Sciences, TIFR, GKVK Campus, Bangalore	Webinar DSCG	151

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

25.	28.02.2022	Achievements of India in Space	Dr B. R. Guruprasad (Retired) Scientist 'SG' & Associate Director , Office of Media & Public Relations, ISRO Head Quarters, Bengaluru	Webinar DSCG	152
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### **DSC, TIRUNELVELI**

SL NO	DATE	TOPIC	NAME OF THE SPEAKER	VENUE	AUDIENCE
1	18-05-2021	'Museums in Future'	Dr Niraml Rajah, Education Coordinator, Mleiha Archaeological Centre, Sarjah, UAE	DSC-T	84
2	31-05-2021	'Way to Protect us from Black Fungus'	Dr S Sudhakar, Professor, Dept. of Biotechnology, Manonmaniam Sundaranar University, Tirunelveli	DSC-T	189
3	02-07-2021	'Artificial Intelligence'	Dr K Gokulakrishnan, Assistant Professor, Dept. of Electronics & Communication Engineering, Anna University Regional Campus, Tirunelveli	DSC-T	42
4	06-07-2021	'Post Covid Mucormycosis'	Dr V Maneksha, Head, Dept. of Orbit & Oculoplasty, Aravind Eye Hospital, Tirunelveli	DSC-T	39
5	12-08-2021	'Role of Innovation & Entrepreneurship in Youth Empowerment'	Dr I Sankar, Asst. Professor, Dept. of Mechanical Engineering, Chief Coordinator, Entrepreneur Development Cell, National Engineering College, Kovilpatti	DSC-T	37
6	21-08-2021	'ISRO Contribution in World Space Technology'	Shri Nellai S Muthu, Former Scientist, VSSC, Trivandrum	DSC-T	93
7	05-09-2021	'Eye Care and Eye Donation'	Dr Aditya, Consultant – Cornea Clinic, Arvind Eye Hospital, Tirunelveli	DSC-T	49
8	15-09-2021	'Engineering Advancement in Agriculture'	Dr Collins Johnny, Asst. Professor, University V O C College of Engineering, Thoothukudi	DSC-T	49
9	16-09-2021	'Ozone – Life on Earth & Marine Biodiversity'	Dr Vinoth S Ravindran, State Co-ordinator, NETFISH - MPEDA (Ministry of Commerce & Industry, Govt. of India), Thoothukudi	DSC-T	58

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

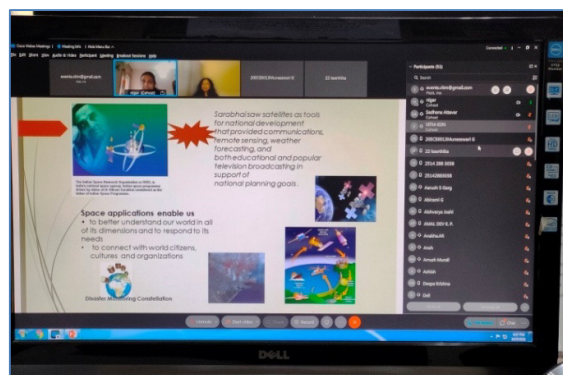
10	18-09-2021	'Role of Siddha Medicines for Post Viral Pandemic'	Dr G Subash Chandran, Professor, Govt. Siddha Medical College & Hospital, Palayamkottai	DSC-T	42
11	18-09-2021	'Idea to Products'	Shri R Sundareshwaran, Entrepreneur, Madurai	DSC-T	76
12	16-12-2021	'Palm tree and its benefits to the Human society'	Dr P Ravinchandran, Professor & Head, Dept. of Botany, Manonmaniam Sundaranar University, Tirunelveli	DSC-T	136
13	22-02-2022	'India's achievements in past 75 years in Science & Technology'	Dr K Pitchumani, Vice Chancellor, Manonmaniam Sundaranar University, Tirunelveli	DSC-T	68
14	22-02-2022	'The Role of Indian Scientists'	Dr C P Anilkumar, Professor & Head, Equatorial Geophysical Research Laboratory, IIG, Tirunelveli	DSC-T	86
15	27-03-2022	'Social Impacts of Science Centres'	Dr S Sethuramalingam, Former Director, RMNH, Mysore & Bhopal	DSC-T	142
16	28-03-2022	'Are Diamonds more than a Jewel?'	Dr Gopikrishnan Balasubramanian, CEO, XeedQ, Germany	DSC-T	142

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### Interactive Webinars and Popular Talks



Webinar on 'Challenges of Space Exploration' by Dr. V R Lalithambika, Distinguished Scientist-Director, Human Space Programme, ISRO Head Quarters, Bangalore during the 56th Museum Anniversary at VITM



Webinar on Space Science Missions by Ms. Nigar Shaji, Project Director, Aditya L1, U R Rao Satellite Centre, Bangalore during World Space Week



Webinar on 'A glimpse in to the journey of Dr E K Janaki Ammal' by Dr. Noorunnisa Begum S, Associate Professor, Centre for Conservation of Natural Resources, The University of Trans Disciplinary University(TDU) of Health Science & Technology, Bangalore during Birth Anniversary celebration of Dr E K Janaki Ammal'



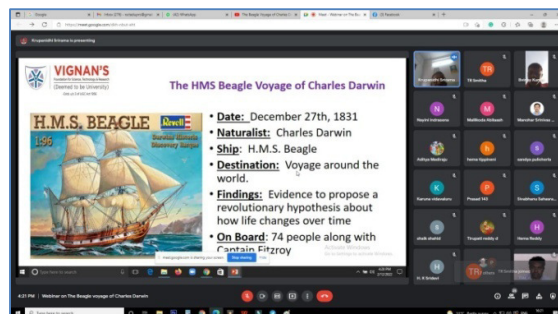
Interactive Popular talk on 'Ground Water Making invisible visible' by Prof. S. Vishwanath, Civil Engineer and an Urban Planner, Adjunct Professor, Azim Premji University, Bengaluru, India Trustee - Biome Environmental Trust & Director at Biome Environmental Solutions during World Water Day observation



## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22



Popular Science Lecture at RSC Tirupati during National Youth Day by Sujatha Naik, Jeevanavriti Karyakartha, Vivekananda Rock Memorial Vivekananda Kendra, Kanyakumari, on 'Life and Works of Swami.



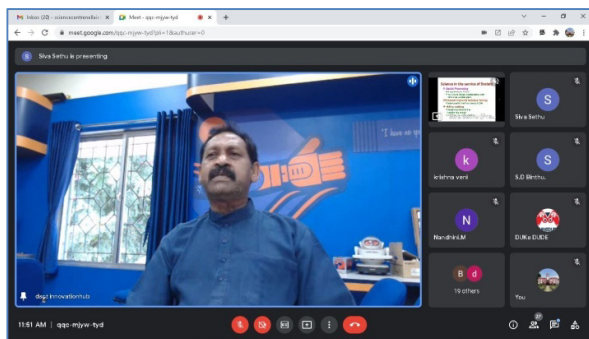
Webinar at RSC Tirupati during birth Anniversary Of Charles Darwin on the topic '**The Beagle Voyage of Charles Darwin**' by Dr. S. Krupanidhi, Professor & Head, Dept. of Biotechnology, Chairman, Vigyan's Foundation for Science, Technology & Research, Guntur



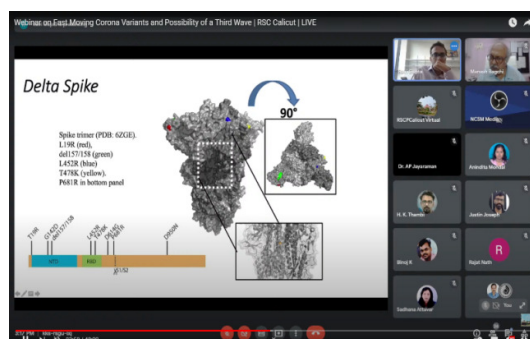
Popular Science Lecture at DSC Gulbarga during International Science Centres & Science Museums Day by Shri Adam Patel, Assistant Environment officer, Karnataka State Pollution Control Board, Regional Office on 'E-waste management



Webinar at DSC Gulbarga during National Science Day by Dr. P.V. Shivaprasad, Associate Professor National Centre for Biological Sciences, TIFR, GKVK Campus, Bangalore on 'E-waste management on Evolving S & T trends in Indian Agriculture



Webinar at DSC Tirunelveli during National Science week by Dr S Sethuramalingam, Former Director, RMNH, Mysore & Bhopal on Social Impacts of Science Centres'.



Webinar at RSCP C by Prof Ravindra Kumar Gupta Professor Clinical Microbiology, Wellcome Senior Fellow in Clinical Science, Cambridge Institute of Therapeutic Immunology and Infectious Diseases, Jeffrey Cheah Biomedical Centre University of Cambridge on Fast Moving Corona Variants and Possibility of a Third Wave

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22

### ANNEXURE – 4

#### CREATIVE ABILITY CENTRE:

##### VITM, BANGALORE

#### LIST OF PROJECTS COMPLETED IN VACATION CAC:

##### PHYSICS:

Sl. No	Name of the Experiments	Sl. No.	Name of the Experiments
1	Static Electricity	10	Syringe Generator
2	DC Motor	11	Orested Experiment
3	Bimetallic switch	12	Sound Generator
4	Bird in the Cage	13	Resonance
5	Image formation	14	Electric Bell
6	Infinity Image	15	Electromagnet
7	Yo-Yo Wheel	16	EM Induction(Step Down Transformer)
8	Cartesian Diver	17	Wind Generator
9	Tesla Coil	18	Kaleidoscope

##### RSC, TIRUPATI

Sl. No	Name of the Projects	Sl. No	Name of the Projects
<b>Bioscience</b>			
1.	Osmosis	6	Moll's half-leaf experiment
2.	Imbibition	7	Leaf Disc Experiment
3.	Transpiration	8	Mobile Microscope
4.	Phototropism	9	Study of Stomata
5.	Germination	10	DNA extraction
<b>Fun With Optics (Physics)</b>			
1	Reflection	5	Pin Hole Camera
2	Refraction	6	Total Internal Reflection
3	Refraction Through Glass Slab	7	Tyndal Effect
4	Young Double Slit Experiment	8	No. of images in 2 mirrors
<b>Science Fun Toys</b>			
1	Convection Snake	5	Newton Colour Disc
2	Illusion Disc	6	Boyle's Law
3	Shimmering Bird	7	Centre of Gravity
4	Radiation Colour Discs	8	

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

Paper Electronics			
1	Series & Parallel Connections	5	Capacitor Function
2	LDR Function		
3	Series & Parallel Connections Resistor		
4	Transistor Function		
Bytesize Science			
1	Centrifugal Pump	7	Electromagnet
2	Inertia	8	Homo Polar Motor
3	Electrolysis	9	Exothermic Reaction
4	Electroplating		Make your own pH paper
5	Friction Climber		Traffic light Signal Experiment
6	Spectroscope		Electrostatic

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

#### **RSC P Calicut**

<b>Sl. No</b>	<b>Name of the Projects</b>
1	Fire alarm
2	Measuring Viscosity
3	Preparation of Composite materials
4	Robotics using Arduino
5	Sun dial
6	Measuring the length of shadow
7	Soap making
8	Synthesis of Indicators
9	Windmill
10	Power from waves
11	Star Chart
12	Optical telescope

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

<b>Sl. No</b>	<b>Name of the Projects</b>
1	Tensgrity
2	Image Formation
3	Static Electricity
4	Variable Pendulum
5	Infinity Well
6	Magnetic Levitation

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Date</b>
1	NCSM foundation Day	04-04-2021
2	Swachhata Pakhwada	16-04-2021
3	World Earth Day	22-04-2021
4	National Technology Day	11-04-2021
5	International Museums Day	18-04-2021
6	World Environment Day	05-06-2021
7	International Day of Yoga	21-06-2021
8	75 <sup>th</sup> Year of India's Independence	19-07-2021
9	56 <sup>th</sup> Anniversary	27-07-2021
10	Birth Anniversary of Dr. Vikram Ambalal Sarabhai	12-08-2021
11	Teachers' day	05-09-2021
12	160 <sup>th</sup> Birth Anniversary of Sir. M Visvesvaraya	15-09-2021
13	World Ozone Day	16-09-2021
14	International day of Sign Languages on	23-09-2021
15	International Day of Scientific Culture	28-09-2021
16	World Space Week	09-10-2021
17	Ada Lovelace Day	13-10-2021
18	Birth Anniversary of Sir C V Raman	07-11-2021
19	International Science Centre & Science Museums Day	10-11-2021
20	Azadi Ka Amrit Mahotsav & Children's Day Celebration	14-11-2021
21	Dr. E K Janaki Ammal – the Indian Botanist'	18-11-2021
22	Nobel Prize Awarding ceremony Day	10-12-2021
23	National Mathematics Day (Birth Anniversary of Srinivasa Ramanujan)	22-12-2021
24	World Cancer Day	04-02-2022

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

25	National Science Week	22-28/02-2022
26	International Women's Day	08-03-2021
27	World Water Day	22-03-2021

#### **RSC, TIRUPATI**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Date</b>
1	NCSM Foundation Day	04-04-2021
2	National Technology Day	11-05-2021
3	International Museum Day	18-05-2021
4	International Day of Yoga	21-06-2021
5	Independence Day Celebration	15-08-2021
6	28 <sup>th</sup> Anniversary Week	23-08-2021 To 29-08-2021
7	International Day of Scientific Culture	28-08-2021
8	World Space Week	04-10-2021 To 10-10-2021
10	Birth Anniversary of Dr. APJ Abdul Kalam	15-10-2021
11	International Science Centre & Science Museum Day	10-11-2021
12	Children's Day Celebration	14-11-2021
13	National Mathematics Day	22-12-2021
14	National Youth Day	12-01-2022
15	Birth Anniversary of Charles Darwin	12-02-2022
16	International Women's Day	08-03-2022

#### **RSC P Calicut**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Date</b>
1	World Earth Day	22-04-2021
2	World Environment Day	05-06-2021
3	International Day of Yoga	21-06-2021
4	International day for the preservation of the ozone layer	16-09-2021
5	World Space Week	04-10-2021
6	Children's Day	14-11-2021
7	National Mathematics Day	22-12-2021
8	Anniversary Day	30-01-2022
9	National Science Day	28-02-2022

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **DSC, GULBARGA**

<b>Sl. No.</b>	<b>Name of the Programme</b>	<b>Date</b>
1	World Earth day	22-04-2021
2	Swachhta action plan / Pakhwada	16-04-2021
3	World environment day	05-06-2021
4	75th Year of Independence day	18-06-2021
5	International Day of Yoga	21-06-2021
6	World population day	11-07-2021
7	Moon Landing day	19-07-2021
8	World Hepatitis Day	28-07-2021
9	Hiroshima & Nagasaki Day	06-08-2021 & 09-08-2021
10	Engineers' Day	15-09-2021
11	World Ozone day	16-09-2021
12	Hindi Pakhwada	16 – 30/09-2021
13	Swachhta Pakhwada	16 – 30 09-2021
14	World Heart day	29-09-2021
15	Birth Anniversary of Dr- APJ Abdul Kalam	15-10-2021
16	World Food day	16-10-2021
17	Birth Anniversary of Prof- S Chandrashekhar	19-10-2021
18	Birth anniversary of Sir C-V Raman and Marie Curie	07-11-2021
19	International Science Centre & Science Museum Day	10-11-2021
20	Children's day	14-11-2021
21	National Pollution control Day	02-12-2021
22	Birth anniversary of Srinivasa Ramanujan	22-12-2021
23	38 <sup>th</sup> Anniversary of DSCG	06-01-2022
24	Azadi Ka Amrit mahotsav	22 – 28/02- 2022
25	National Science day	22-02-2022
26	World Forest day	21-03-2022
27	World Water day	22-03-2022

### **DSC, TIRUNELVELI**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Date</b>
1.	(Pledge taking, Campus Cleaning Drive (Swachhata Pakhwada 2021)	16 to 30-04-2021
2.	Workshop on 'Eco Friendly Plastic Alternatives' (World Earth Day)	22-04-2021
3.	Open House Quiz on the topic 'Technologies that Changed the World' (National Technology Day)	11-05-2021

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

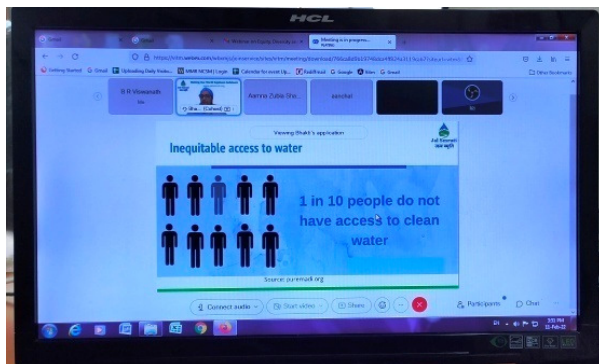
4.	Webinar on 'Museums in Future' (International Museum Day)	18-05-2021
5.	Panel Discussion on 'Ecosystem Restoration' (World Environment Day)	05-06-2021
6.	online Yoga Practice (International Day of Yoga)	21-06-2021
7.	Webinar on 'Role of Innovation & Entrepreneurship in Youth Empowerment' (International Youth Day)	12-08-2021
8.	Video talk Contest on 'Indian Freedom Fighters' (India's 75 <sup>th</sup> Anniversary of Independence)	15-08-2021
9.	Webinar on 'Eye Care and Eye Donation' (National Eye Donation Fortnight)	05-09-2021
10.	Webinar on 'Engineering Advancement in Agriculture' (National Engineer's Day)	15-09-2021
11.	Webinar on 'Ozone – Life on Earth & Marine Biodiversity' (World Ozone Day)	16-09-2021
12.	Online Students' Science Seminar (World Space Week)	08-10-2021
13.	Pledge taking & Workshop (Vigilance Awareness Week)	26 to 31-10-2021
14.	Science Demo & Open House Quiz (International Science Centre & Science Museum Day)	10-11-2021
15.	Online Elocution Contest (World Diabetes Day)	14-11-2021
16.	Puzzle Solving, Treasure Hunt & Quest Contest (Children's Day)	14-11-2021
17.	Preamble reading (Indian Constitution Day)	26-11-2021
18.	Open House Quiz (Annual Nobel Prize Awarding ceremony Day)	10-12-2021
19.	Crossword Puzzle Contest (140 <sup>th</sup> Birth Anniversary of Freedom Fighter Bharathiyar)	11-12-2021
20.	Herbal Exhibition (5 <sup>th</sup> Siddhar Day)	17-12-2021
21.	Workshop (National Mathematics Day)	22-12-2021
22.	Webinar (DSC-T Anniversary)	27-02-2022
23.	Webinar (national Science Day)	28-02-2022
24.	Computer Training (International Women's Day)	08-03-2022
25.	Workshop (World Water Day)	22-02-2022



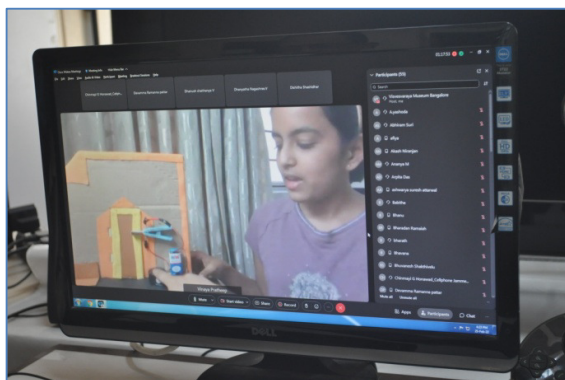
## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22



**Birth Anniversary of Sir M Visvesvaraya at VITM**  
Webinar on Creative Thinking in Engineering & Technology by Dr. Ketan Kotecha, Dean and Director, Symbiosis Institute of Technology, Pune



**International day of Women and Girls in Science**  
at VITM Webinar on 'Equity, Diversity and Inclusion-Water connects all' by Dr Bhakti Devi, Founder, Jalsmruti NGO,



**National Science Day celebration VITM**  
Science experiments demonstration contest



**Children's Day Celebration** at RSC Tirupati Dress like a Scientist 'Fancy Dress Contest'



**International Day of Scientific Culture** at RSC Tirupati Workshop on 3D Hologram.

## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22



**Children's Day Celebration** at DSC Gulbarga  
Workshop on Making Science Toys



**National Science Day Celebration** at DSC Gulbarga  
Essay writing contest



**Children's Day Celebration** at DSC Tirunelveli  
Puzzle Solving contest



**World Earth Day** observation at DSC Tirunelveli  
Online Palm leaves craft Workshop



**Children's Week celebration** at RSCP C a Day  
with Thalassemia affected.



**Children performing experiments** as part of  
Zero Shadow Day

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Collaborator</b>
1	Online course on App development on Android	IEEE, Bangalore Chapter
2	Webinar on the topic "The Future of Museums: Recover and Reimagine"	US Consulate General, Chennai.
3	Webinar on 'Protective Value of Traditional Health care approaches for children'	Dept. of Integrated Medicine, NIMHANS, Bengaluru
4	A presentation programme on 'Mayabazar – the Magic of Science in Theatre.	India Foundation for Arts, Bengaluru
5	International day of Sign Languages	National Institute of Speech & Hearing (NISH), Trivandrum & IEEE.
6	Azadi Ka Amrit Mahotsav & Children's Day Celebration - Guided tour of the museum and a Special Science Show on 'Science is Fun'	National Institute of Public Cooperation and Child Development, Bangalore
7	Children's Day Celebration - Guided tour of the museum and a Special Science Show on 'Science is Fun'	Bless Society of Rural and Urban Development" – (a NGO engaged in upliftment of orphans and blind children)
8	Exhibition on "75 Years of Independence: India's Achievements in Science & Technology"	Vigyan Prasar (Dept of Science and Technology, Govt. of India)
10	A Workshop on 'Food For Thought: How Sustainable are our Choices?'	FLOW India.

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **RSC, TIRUPATI**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Collaborator</b>
1	International Biodiversity Day	A. P. State Biodiversity Board Jana Vignana Vedika, Chittoor
2	International Day Of Yoga	Yoga Association of Chittoor District, Tirupati.
3	Azadi Ka Amrit Mahotsav Science Quiz Competition	Mokshagna Industries, Tirupati, Sai Radha Krishna Educational Society, Tirupati, Mindtronixs, Tirupati
4	Online Essay Writing Competition	AP Council for Science & Technology, Vijayawada
5	World Ozone Day: State Level Painting Contest	AP Council of Science & Technology, Vijayawada
6	28 <sup>th</sup> Anniversary Week	Lions Club of Tirupat
7	World Space Week	National Atmospheric Research Laboratory, Gadanki
8	Children's Day Celebration	Pavan Empower Solutions, Palamaner
9	Nature Study Camp:	A Citizen Science Initiative of Indian Institute of Science Education & Research, Tirupati.
10	National Youth Day	Vivekananda Rock Memorial, Tirupati Chapter
11	Azadi Ka Amrit Mahotsav Drawing Competition	Junior Chamber International, Tirupati
12	Campus Bird Count	A Citizen Science Initiative of Indian Institute of Science Education & Research, Tirupati.
13	World Water Day	All India Radio, Tirupati
14	State Level Teacher Training Programme	A.P Council of Science & Technology, Vijayawada, Department of School Education, Chittoor and C K Das Academy, Kandakuru

### **RSC P Calicut**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Collaborator</b>
1	Free RT PCR Covid-19 testing camp	Kozhikode Municipal Corporation and State Health Department
2	Webinar as part of Space Week	Vikram Sarabhai Space Centre Thiruvananthapuram
3	Programme for Thalassemia patients	Blood Patients Protection Council
4	Educare workshop	District Panchayath Kozhikode
5	Astro Adda	Public Outreach and Education committee of Astronomical Society of India

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **DSC, GULBARGA**

<b>SI No</b>	<b>Name of the Programmes</b>	<b>Collaborator</b>
1	World Environment day	Inner wheel club of Gulbarga
2	International day of clean air for Blue Sky	KSPCB
3	World Ozone day	KSPCB
4	District Level Essay competition	KSPCB
5	PSL-'Clean India Campaign - Plastic and E-Waste Management & Disposal	KSPCB
6	District level essay contest	KSPCB
7	Azadi Ka Amrit mahotsav	Vigyan Prasar Ministry of Science & Technology, Govt. of India, New Delhi

### **DSC, TIRUNELVELI**

<b>SI No</b>	<b>Name of the Programme</b>	<b>Collaborator</b>
1	Webinar on 'Way to Protect us from Black Fungus'	Art of Giving Charitable Trust, Sankarankovil, Tenkasi District
2	International Day of Yoga	Nellai City MVKM, Tirunelveli.
3	Special Webinar on 'Post Covid Mucormycosis'	Aravind Eye Hospital, Tirunelveli
4	Special Webinar on 'ISRO Contribution in World Space Technology'	NPNK Group, Tirunelveli
5	Webinar on 'Eye Care and Eye Donation'	Aravind Eye Hospital, Tirunelveli
6	Nellai Tree – Mapping	District Administration, Tirunelveli, Tamil Nadu Forest Department, Tirunelveli Division, ATREE's Agasthyamalai Community Conservation Centre (ACCC), Manimutharu, Nehru Yuva Kendra Sangathan and Nellai Nature Club, Tirunelveli
7	Special Webinar on 'Role of Siddha Medicines for Post Viral Pandemic'	Govt. Siddha Medical College & Hospital, Palayamkottai
8	Special Webinar on 'Idea to Products'	NPNK Group, Tirunelveli
9	Astro Camp	District Administration, Tirunelveli
10	World Diabetes Day	Aravind Eye Hospital, Tirunelveli
11	Eco Conservation Leadership Award 2021	ATREE (Ashoka Trust for Research in Ecology and the Environment), Tirunelveli and Bell Pins, Tirunelveli
12	5 <sup>th</sup> Siddhar Day 2021	District Siddha Officers, Tirunelveli & Tenkasi
13	Mooligai Mutram	Ulaga Tamil Maruthuva Kazhgam, Papanasam.



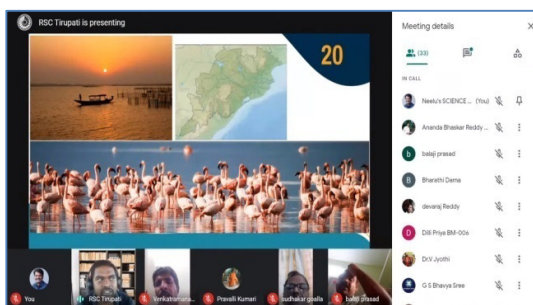
## ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22



**International day of Sign Languages** observed at VITM on 23rd September 2021. Online workshop on Science Signbee organised in collaboration with National Institute of Speech & Hearing (NISH), Trivandrum & IEEE



**International Women's Day** celebrated at VITM on 8<sup>th</sup> March 2022 in collaboration with Women in Engineering, IEEE, Bangalore Section. Popular talk on 'Gender Equality today for a sustainable tomorrow' by Prof. Sharada Srinivasan, National Institute of Advanced Studies, Bangalore



**International Biodiversity Day** observed at RSC T on May 22, 2021. Visual Biodiversity Quiz Contest was organised on the topic 'Biodiversity' in collaboration with A. P. State Biodiversity Board and Jana Vignana Vedika, Chittoor



**International Day of Yoga** celebrated at RSC Tirupati on 21<sup>st</sup> June 2021 in association with Yoga Association of Chittoor District, Tirupati.



**National Pollution Control Day** observed at DSC G on 2<sup>nd</sup> December 2021. Essay contest on 'Pollution due to crackers' in collaboration with Karnatraka State Pollution Control Board, Divisional Office, and Gulbarga



**Tree – Mapping programme** organised at DSC-T in collaboration with Tirunelveli District Administration, Tamil Nadu Forest Department, Tirunelveli division & Nature Club, Tirunelveli on 8<sup>th</sup> September 2021.

## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **LIST OF EXECUTIVE COMMITTEE MEMBERS OF VITM**

1.	Prof. Sitharam T.G Director Indian Institute of Technology Surjyamukhi Road, North, Amingaon, Guwahati-781039	Chairman
2.	Dr. M. K. Panduranga Setty Founding Member Visvesvaraya Industrial Museum Society No. 14, Bull Temple Road Bengaluru – 560 004	Member
3.	The Executive Secretary Karnataka State Council for Science & Technology Indian Institute of Science Bengaluru 560 012	Member
4.	Shri Pramod G Galgali Director Jawaharlal Nehru Planetarium Sri T Chowdaih Road, High Grounds Bengaluru- 560 001	Member
5.	Prof. Siva Umapathy Director Indian Institute of Science Education and Research Bhopal Bhopal By-pass Road, Bhauri, Bhopal – 462066	Member
6.	Dr. Chandan Ghosh Professor Department of Civil Engineering Indian Institute of Technology- Jammu Jagti, NH-4, Nagrota, Jammu & Kashmir, India- 181 221	Member
7.	The Principal Secretary, Higher Education Govt. of Karnataka Room No. 645, 6 <sup>th</sup> Floor, MS Building Bengaluru – 560 001	Ex-Officio Member
8.	The Director (Museums) Ministry of Culture Govt. of India, Shastri Bhavan New Delhi – 110 115	Ex-Officio Member

**ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

9.	Shri A.D. Choudhury Director General National Council of Science Museums Sector V, Block – GN, Bidhan Nagar, Kolkata- 700 091	Ex-Officio Member
10.	Smt. K. A. Sadhana Director, Visvesvaraya Industrial & Technological Museum Kasturba Road, Bengaluru – 560 001	Ex-Officio Member
11.	Shri Manash Bagchi Curator 'E' Visvesvaraya Industrial & Technological Museum Kasturba Road, Bengaluru – 560 001	Ex-Officio Member
12.	Shri Binoy Kumar Dubey Curator 'D' & PC Regional Science Centre & Planetarium Near Jaffer Khan Colony, Planetarium Road Calicut 673006	Ex-Officio Member
13.	Shri Sarvesh Khare Deputy Controller of Administration Visvesvaraya Industrial & Technological Museum Kasturba Road, Bengaluru – 560 001	Non- Member Secretary



## **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

### **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>	Prof. P.V. Ranganayakalu, 401, Sri Laxmi Enclave H No. 6-4-70/401, Plot No. 119, Gateway Colony, Behind Sri Aakash School, Vanasthalipuram, Hyderabad – 500 070	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>	Dr. D V R Saigopal, Vice Chancellor, Cluster University B Camp, Silver Jubilee Govt. College Campus Kurnool – 518 002 Andhra Pradesh	Member
<b>8</b>	Dr. Rama Lakshmi Gynecologist & Secretary Indian Red Cross Society, 20-119, Red Cross Bldg., PH Road, Chittoor -517 001 Chittoor District	Member
<b>9</b>	Dr. Viswanatha Reddy, Correspondent Viswam Schools, Varadaraja Nagar, TIRUPATI-517501	Member
<b>10</b>	The District Educational Officer Office of the D.E.O Palamaner Road CHITTOOR-517 001	Member

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

<b>11</b>	Smt. K.A. Sadhana Director Visvesvaraya Industrial & Technological Museum Kasturba Road, Bangalore – 560 001	Member
<b>12</b>	Shri. M M K Balaji Project Coordinator Regional Science Centre Near Alipiri Gate TIRUPATI – 517 507	Member Secretary

### **Local Advisory Committee Regional Science Centre & Planetarium Calicut.**

<b>1</b>	Dr. M. P. Pillai Director, National Institute of Electronics and Information Technology P.B. No:5, NIT Campus Post, Calicut – 673 601	Chairman
<b>2</b>	Dr. M P Sasi Principal Govt. Medical College P.O Calicut – 673 008	Member
<b>3</b>	Dr. Santosh J Eapen Scientist and Head Crop Protection Division Indian Institute of Spices Research Kozhikode – 673 012	Member
<b>4</b>	Shri.Firos Khan President, Press Club, Kozhikode	Member
<b>5</b>	Dr. P.S. Harikumar Registrar & Senior Principal Scientist Centre for Water Resource Development & Management Kunnamangalam Kozhikode – 673 571	Member
<b>6</b>	Dr. Chandrasekharan Professor & Head Department of Physics National Institute of Technology Calicut, Mukkam Road, Kattangal Kerala 673 601	Member
<b>7</b>	Dr. HomiCheriyar Director Directorate of Arecanut&Spices Development, Govt. of India. Ministry of Agriculture, Dept. of Agriculture and Co-operation West Hill, Calicut – 673 005	Member
<b>8</b>	Dr. Sureshan Principal Scientist Zoological Survey of India, Western Ghat Field Research Centre (WGRC), Kozhikode – 673006	Member

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

<b>9</b>	Smt. Mini P Deputy Director of Education O/of the Directorate of Education Mananchira, Calicut – 673 001	Member
<b>10</b>	Dr. K.P. Aravindan Member Central Committee Kerala Shastra Sahitya Parishat Calicut	Member
<b>11</b>	Smt. K A Sadhana Director Visvesvaraya Industrial & Technological Museum Kasturba road Bengaluru - 560 001	Member
<b>12</b>	Shri. Binoy Kumar Dubey Curator & Project Co-ordinator, RSC, Calicut	Member Secretary

#### **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	Member
3.	Representative KSCST Regional Centre VTU campus, Kalaburagi	Member
4.	Dy. Director PU Board DDPU Behind mini Vidhana Soudha Kalaburagi	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

### **ACTIVITY REPORT OF VITM AND SATELLITE UNITS 2021-22**

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	Member
12	Shri R. Bharadan District Science Officer District Science Centre, Kalaburagi	Member Secretary

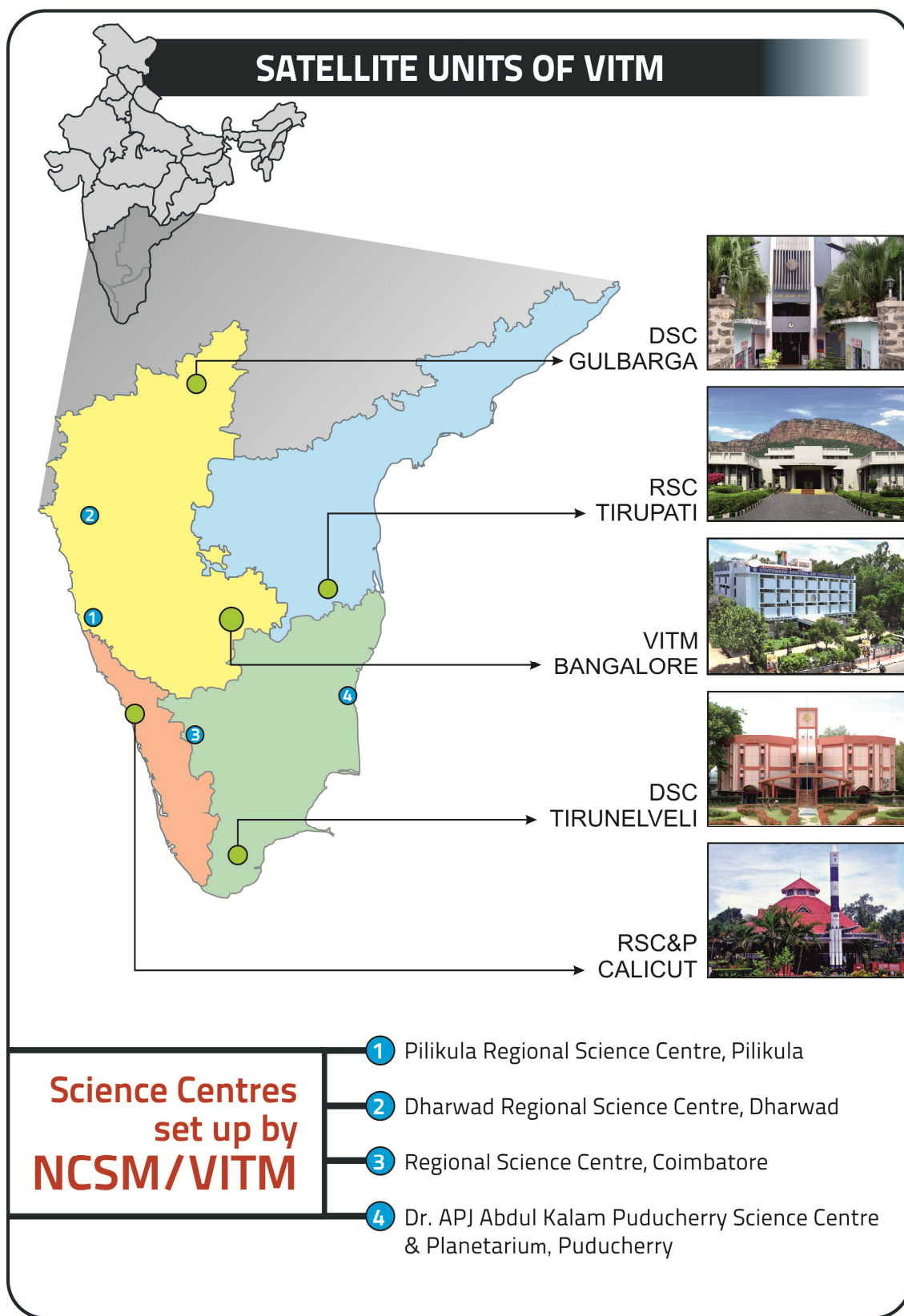
#### **Local Advisory Committee**

#### **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 2021-22**

8	Dr M Malarvizhi Principal, Sri Sarada College for Women Saradanagar, 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



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Azadi Ka  
Amrit Mahotsav



## 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