

# Annual Report (2018-19)



Shree Warana Vibhag Shikshan Mandal's

## Warana Science & Innovation Activity Centre

Warananagar

Project Aided by: **Rajiv Gandhi Science and Technology Commission,**  
Govt. of Maharashtra

Executed by: **NCSM, Govt. of India & Nehru Science Centre, Mumbai**

## **Shree Warana Vibhag Shikshan Mandal, Warananagar (SWVSM)**

Shree Warana Vibhag Shikshan Mandal (SWVSM) is the revolution in education; incepted in 1964, by the great visionary **Hon. Sahakarmaharshi Late Tatyasaheb Kore**, Founder President of Warana Co-op. Industrial & Educational Complex, the epitome of Co-operative movement in India, Maharashtra in particular; with the mission 'नवमानवा साकारू, हाच शिक्षणाचा महामेरू' means '*to bring reformation into humans by value based education*'.

SWVSM is one of the quintessence co-operative organizations with success story of more than 5 decades that speaks about the encouragement and support of Management; **Hon. Dr. Vinayji Kore (Saavkar)**, President, Warana Co-op. Industrial & Educational Complex; the commitment of **Dr. Mrs. Vasanti Rasam**, Admin. Officer, SWVSM; dedication of the teaching and non-teaching staff and consistent efforts been put by students.

With 300 acres sprawling campus, state-of-the art facilities provides appropriate environment for learning beyond traditional boundaries.

We introspect over the past, and embark on the pursuit of its vision of becoming the fountainhead of innovators in basic and higher education.

### **Salient Features**

- Lush, esthetic educational campus
- State-of-the-art infrastructure to learn, rejuvenate and recreate
- Affluent teaching-learning-research facilities
- Economical and convenient living for students through 9 boy's and 3 girl's hostels.
- Housing for teaching and nonteaching.
- Un-interrupted electricity supply with back-up of 125 KVA
- Social belongingness of the society, working dedicatedly for all the sectors of society kith and kin of farmers and poor
- Transport facilities
- 10000 students taking their education from KG to Ph. D.
- 1000 qualified and dedicated staff
- 24 hrs water supply
- 44 mbps internet with dedicated lease line and Wi-Fi
- Medical emergency facilities
- Bank extension counter with ATM facilities

### **Schools under SWVSM**

- Shree Warana Vidyamandir, Warananagar
- Shree Warana Vidyalaya, Warananagar
- Tatyasaheb Kore English Academy, Warananagar
- Tatyasaheb Kore Military Academy, Nave-Pargaon
- Vilasrao Kore International School, Amrutnagar

These schools are model schools with high repute and concern to the value education. All these schools put their sincere efforts to transform kids into vibrant learner.

## **Institutes of Higher Education**

- Yashwantrao Chavan Warana Mahavidyalaya (Junior and Graduate)
- Tatyasaheb Kore Institute of Engineering and Technology (TKIET)
- Tatyasaheb Kore Institute of Engineering and Technology (Polytechnic)
- Tatyasaheb Kore Industrial Training Institute
- Tatyasaheb Kore Training cum Production Centre
- Tatyasaheb Kore College of Pharmacy (B. Pharm. & M. Pharm.)
- Tatyasaheb Kore College of Pharmacy (D. Pharm.)
- Tatyasaheb Kore Shikshanshastra Mahavidyalaya (B. Ed.)
- Savitribai Vishwanath Kore D. Ed. College
- Shrimati Shobhatai Kore Warana Mahila Mahavidyalaya, Yelur
- Tatyasaheb Kore College of Architecture

SWVSM is tendering eminence higher education through these institutes to translate students into potential employee and a responsible citizen of India. NAAC & NBA accreditation of TKIET, NAAC accreditation of Y. C. Warana Mahavidyalaya and NIRF ranking of Tatyasaheb Kore College of Pharmacy is the proof for the same.

## **Warana Science and Innovation Activity Centre (WSIAC):**

SWVSM's Warana Science and Innovation Activity Centre, Warananagar is an exclusive place to discover concepts in Science and Mathematics through activity-based-learning. It was inaugurated by the auspicious hands of eminent scientist **Hon. Dr. Anil Kakodkar** on **Friday, 24<sup>th</sup> Feb. 2017**. It aims to develop scientific quest in young minds, to stimulate curiosity and to understand theories in Science and their applications, and to motivate rural students to take Science as a career.

With the constant motivation of **Hon. Dr. Vinayji Kore (Saavkar)**, President, Warana Co-op. Industrial & Educational Complex and support of **Dr. Mrs. Vasanti Rasam**, Admin. Officer, SWVSM; the team of WSIAC takes all the efforts to serve the purpose of the centre.

### **Day-to-day Activities:**

The centre has three indoor labs namely, Innovation Lab, Fun Science Lab, Exhibition & Multipurpose Hall and outdoor exhibits called Science Park visited by everyone. The group of 50 students requires 150-180 minutes to complete the visit.

In Innovation Lab visitors learn actual science behind different innovative experiments from Physics, Chemistry, Biology, Robotics, and Electronics. They also enjoy disassembling and assembling of various instruments in Tod-Fod-Jod sections, as one of the important area of Innovation Lab. This lab helps all the visitors to understand different concepts in depth through 'Learning While Doing' or 'Activity Based Learning'.

Demonstrative & interesting exhibits in Fun Science Lab help visitors to understand various concepts of Physics, Mathematics & Electronics.

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### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

One of the inspirational areas of Science Centre is Exhibition & Multipurpose Hall where visitor gets motivated through interesting scientific and technical presentations. It includes Robotics, Astronomy and Biodiversity etc. Available displays of renowned India's first Mars Mission i.e. Mangalyaan, provides valuable information. Displays of Indian as well as foreigner Nobel awardees stimulate students for developing their ideas in different disciplines of Science and Technology.

Another important part of the centre is outdoor exhibits (Science Park) where students learn different laws in Science through actual play/handling of exhibits. Each exhibit from Fun Science lab and Science Park reflects theories of Science and Technology.

Within two years after inauguration, the WSIAC reached to more than 500 schools & colleges of the Maharashtra. Till the date more than **18500 students** had visited the centre. The scientific Officers of WSIAC had attended two times training program at Homi Bhabha Centre for Science & Education, Mumbai.

श्री वारणा विभाग शिक्षण मंडळ संचालित

# वारणा सायन्स अँड इनोव्हेशन ॲक्टिव्हिटी सेंटर, वारणा नगर

राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन  
महाराष्ट्र शासनाचा उपक्रम..

कृतीशील प्रयोगातून वैज्ञानिक संकल्पनेचा अभ्यास,  
करू कल्पकतेचा विकास..!!!

इनोव्हेशन ॲक्टिव्हिटी लॅबोरेटरी

फिजिक्स, केमिस्ट्री, बायोलॉजी, मॅथ्स, इलेक्ट्रॉनिक्स, रोबोटिक्स  
विज्ञान विषयातील नाविन्यपूर्ण प्रयोगासाठी..!

प्रदर्शन व बहुउद्देशीय हॉल

नोबेल पारितोषिके व मंगळयान संदर्भातील चित्रलेखीय प्रदर्शन..!

मनोरंजन विज्ञान प्रदर्शन

खेळातून वैज्ञानिक संकल्पना समजून घेण्याचा मजेदार अनुभव..!

○ Gravity Well	○ Hot & Cold	○ Curie Point
○ Cone Runs Uphill	○ All Road Leads to Rome	○ Colour Shadow
○ Is Light Visible ?	○ Virtual Harp	○ Floating Ball
○ Probability	○ Fun Mirrors	○ Jumping Disc
○ Plasma Globe	○ Moire Pattern	○ Anamorphosis
○ Curved Tunnel	○ Breathing Square	○ Lazy Coin
○ Scanimation	○ Value of Pi	○ Infinity Well
○ Crazy Maze	○ Vortex	○ Acrobatic Stick

सायन्स पार्क

खेळातून वैज्ञानिक संकल्पनेची अनुभूती..!

○ See Saw is a Lever	○ Musical Tubes	○ Sympathetic Swing
○ Whispering Garden	○ Action Reaction	○ Camera Obscura
○ Turn Faster	○ Pulley Lift Load	○ Perception of Depth

उपक्रम

○ सिरॅक सॅटरला भेट	○ विज्ञान व्याख्यानमाला
○ इनोव्हेशन ॲक्टिव्हिटी लॅबमध्ये प्रयोग	○ वैज्ञानिक प्रकल्प स्पर्धा
○ विज्ञान विषयक कार्यशाळा	○ विज्ञानावरील प्रश्नमंजूषा स्पर्धा
○ ऑलम्पियाड व तत्सम परीक्षांकरिता मार्गदर्शन	○ विज्ञानावरील निबंध स्पर्धा

संपर्क

समन्वयक वारणा सायन्स अँड इनोव्हेशन ॲक्टिव्हिटी सेंटर, वारणा नगर  
तालुका: पन्हाळा, जिल्हा: कोल्हापूर, (महाराष्ट्र) ४१६ ११३, फोन: ०२३२६-२२३५०१, मोबाइल: ७७९८८८५०५०, ९४२१७७०२१८  
E mail: waranasiac@gmail.com

Onkar Graphics 9822524745

## **Dignified Personalities Visited the Centre:**

<b>Date</b>	<b>Name &amp; Designation</b>	<b>Comments</b>
31/05/2018	<b>Mr. Prajyot Nair,</b> IAS (Probationary)	He was wondered after visit to Warana SIAC. The concept behind Tod-Fod-Jod section was appreciated by him. He was sure about knowledgeable time spent by students.
14/06/2018	<b>Dr. V. A. Jagtap</b>	He mentioned that the Warana SIAC is very innovative and igniting project for understanding basic concepts to enthusiastic, curious students. We felt that, this is the one of the best opportunity to nearby students.
14/06/2018	<b>Dr. Vandana B. Patravale</b> Professor of Pharmaceutics, ICT, Mumbai	She appreciated SWVSM for such excellent initiative, for the development of young generations. She admired the efforts taken by the principal co-ordinator Dr. John Disouza for the propagation of science knowledge in each household. She also mentioned that the staff member of the WSIAC is very keen to show and explain the information available in each lab.
23/06/2018	<b>Mr. Amaresh Sawant</b>	He expressed WSIAC as a one of the most innovative, inspiring centre.
23/06/2018	<b>Mr. Guruprasad Sawant</b>	He noticed the WSIAC as wonderful initiatives and well maintained facility for next generations in the rural area.
23/06/2018	<b>Mr. Sanket Save</b>	He expressed that the WSIAC is excellent resource for the build-up of fundamental concepts of the science among the students.
23/06/2018	<b>Mr. Sanket Waiker</b>	He mentioned that the WSIAC labs are very well maintained which will encourage the students to learn the science.
29/06/2018	<b>Dr. S. K. Nerle</b>	He noticed that the WSIAC is very well established and developing centre. All the departments are well equipped. He admired that the staff working here is of well science knowledge and able to inspire the visitors.
25/08/2018	<b>Dr. Jayant Bhinge</b>	He expressed the WSIAC as a centre of excellence

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25/08/2018	<b>Dr. Ashok Hajare</b>	He felt awesome to see such an amazing facility in this part of area.
05/09/2018	<b>Mr. D. K. Lamture</b>	He mentioned the centre as an excellent with very nice facilities available in the different labs.
04/10/2018	<b>Mr. H. P. Naiknaware</b>	He experienced an excellent opportunity for school students of rural India.
17/10/2018	<b>Dr. D. A. Bhagwat</b>	He felt very happy to visit the centre. He noticed that understanding of the scientific concept is very easy through the different models available here.
17/10/2018	<b>Mr. D. P. Mali</b>	He briefed that the WSIAC as a good initiatives to understand the science by the students.
13/11/2018	<b>Mr. Rajkumar Patil</b>	He highlighted that developing and carrying scientific approach is need of today and this centre is doing right thing which required currently.
21/12/2018	<b>Dr. U. R. Shinde</b>	He expressed that it is immense pleasure to everyone to visit this centre. He felt that the WSIAC will help to create rational and science oriented society.
24/12/2018	<b>Dr. Alok Prakash Mittal</b> Member Secretary, AICTE	He mentioned that the centre is full of innovative ideas. The learning of the students will become very fast through tod-fod-jod.
27/12/2018	<b>Mrs. Geeta Zaveri</b>	She felt that the centre is very excellent, innovative.
06/01/2019	<b>Mrs. Paloma Madgulkar</b> Great-grand daughter of G. D. Madgulkar	She felt very pleasant by visiting the WSIAC, situated in the rural area. She appreciated the work done that is developed models, activities and events undertaken for the development of today's generation.
14/02/2019	<b>Mr. Vinayak Karnik</b> Governing Body Member, Marathi Vidnyan Parishad (MVP)	He seen all the experiments available in the different labs of science centre as well as understood the future plan of the centre. He expected that the persons who are working here will create the science spreader in the future. He congratulated the SWVSM and President for providing the land and money for successful built up of this centre.
28/02/2019	<b>Dr. Bhushan Chaudhari</b> Principal Scientist, Biochemical Sciences Division	He expressed that the entire concept is mind blowing and the innovation lab is core of the WSIAC. He also mentioned

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	CSIR-National Chemical Laboratory, Pashan, Pune	that the WSIAC is path breaking idea to imbibe scientific concepts among the students.
07/03/2019	<b>Dr. S. G. Belapure</b> Managing Director, Zydus Cadila	He felt that developing the WSIAC in rural area is a fantastic idea. It will help to understand and solve the many scientific problems of the students.
12/03/2019	<b>Mr. E. V. Kale</b>	He expressed that the science centre is very useful for students in rural area.
16/03/2019	<b>Mr. Sanjay Khurd</b>	He felt the WSIAC is an excellent centre. He recommended that the visit to WSIAC should be mandatory to all the school students.
20/03/2019	<b>Dr. Yojana Patil</b> HOD, Public Health Dentistry Dept., Tatyasaheb Kore Dental College, Warananagar <b>Dr. Priyanka Purohit,</b> <b>Dr. Adwait Deshpande</b>	They appreciated the efforts of Dr. John Disouza sir for developing such innovative and interesting idea in Warana. Demonstration of difficult concepts in simple manners influenced us.
05/04/2019	<b>Dr. Praveen Rahi,</b> Scientist-C, National Centre for Microbial Resource, National Centre for Cell Science, Pune	He expressed that the WSIAC is one of the best centre for the students and public to understand complex scientific facts in very simple manner.
11/04/2019	<b>Dr. Yash Sultania</b>	He felt that the WSIAC will usefull to boost science interest among the students.
16/04/2019	<b>Dr. A. J. Shinde</b>	He got very nice experience after visiting the centre. He mentioned that the centre will help the students to understand the various scientific concepts through the models and small experiments.



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**Memories:**



Group of IAS (Probationary), (31/05/2018)



Teachers of Holy Cross Convent School, Kolhapur (26/07/2018)

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**Dr. Dinesh Dharmadhikari (11/01/2019)**



**Mr. Vinayak Karnik (14/02/2019)**

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**Dr. Bhushan Chaudhari (28/02/2019)**



**Dr. S. G. Belapure (07/03/2019)**

**Books Donated by Nehru Science Centre, Mumbai to WSIAC:**

<b>Sr. No.</b>	<b>Book Name</b>	<b>Publisher</b>	<b>Supplier</b>	<b>No. of copies</b>
1.	Cricket Connects: Indo-South African Cricket Relations	NCSM, Ministry of Culture, Govt. of India	NCSM, Ministry of Culture, Govt. of India	02
2.	Cricket Connects: India-England Cricket Relations	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	02
3.	Cricket Connects: India-Australia Cricket Relations	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	02
4.	The Future of the Food: Pulses	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	NCSM, Ministry of Culture, Govt. of India, Nehru Science Centre	02
5.	National Science Drama Festival 2017-18	Nehru Science Centre	Nehru Science Centre	02
6.	Exploration Hall	Nehru Science Centre	Nehru Science Centre	02
7.	National Science Seminar 2016	Nehru Science Centre	Nehru Science Centre	02
8.	At Insight to Light and Sight	Nehru Science Centre	Nehru Science Centre	02
9.	Water: For Life Unintentional Decade for Action	Nehru Science Centre	Nehru Science Centre	02
10.	परिचय एवं मार्गदर्शिका- नेहरू विज्ञान केंद्र	नेहरू विज्ञान केंद्र	नेहरू विज्ञान केंद्र	०२
11.	Mobile Science Exhibition Supplementing School Curriculum	Nehru Science Centre	Nehru Science Centre	05

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### Educational Material Donated by TKIET to WSIAC:

Sr. No.	Name of the device	Quantity
1.	Tuner Amplifier AH719	01
2.	Desktop (CPU, Keyboard, Speaker)	01
3.	CRO	01
4.	Typewriter – Inconix	01
5.	Television, LCD, CRT Screen	1 each
6.	SAMRAT LCD With Stand	01
7.	Pendulum Watch	01
8.	Microscope	01
9.	Floppy	12
10.	SMPS	02
11.	Balance	01

### Educational Material Donated by Dr. Praveen Rahi to WSIAC:

Sr. No.	Item	Quantity
1.	Foldscope	02

### Purchased Books:

Sr. No.	Book Name	Author	Publisher	Supplier	Price (Rs.)
1.	शहरी शेती कशी करावी ?	दिलीप हेर्लेकर	मराठी विज्ञान परिषद	--	६०/-
2.	A Drug Is Born	Urmila Thatte and Sharadini Dhanulkar	National Book Trust, India	--	55/-
3.	चला, प्रयोग करूया !	ललित किशोर आणि अन्वर जाफरी	मराठी विज्ञान परिषद	--	२०/-

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4.	करूया पाण्याचे सर्वकष नियोजन	सुरेश ना. पाटणकर	मराठी विज्ञान परिषद	--	१००/-
5.	Science Word Trek	Sunil Ishwar	--	--	40/-
6.	पोस्टकार्डातील विज्ञान	डॉ. जयंत विष्णू नारळीकर	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	२०/-
7.	मराठी विज्ञान परिषद पत्रिका अंक ५३८-जीवो जीवस्य जीवनम्	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--
	अंक ५४२-इलेक्ट्रॉनचा आकार	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--
	अंक ५४३-उडनखटोला !	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--
	अंक ५४५-दुभंगणारी आफ्रिका	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--
	अंक ५४६-इमारतींचे पाडकाम	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--
	अंक ५५१-मोनालिसाचं गूढ	--	मराठी विज्ञान परिषद	मराठी विज्ञान परिषद	--

## **Affiliation with Vigyan Prasar:**

**Vigyan Prasar (VP)** is an autonomous organisation under Department of Science and Technology. Objectives of VP are to take up large-scale science popularization tasks/activities, to promote and propagate scientific and rational outlook, to act as a resource-cum-facility centre for S&T communication.

On 21<sup>st</sup> June 2018, Vigyan Prasar, Science & Technology Department, Govt. of India permitted WSIAC for the formation of WSIAC's VIPNET CLUB. Under this club every month different activities like competitions, public talk, workshops, educational visits, etc. are organized for the every stakeholders in the society with the aim to create awareness, interest and to enrich scientific vision. Some of the activities to mention are Poster Presentation & Elocution completions on '**Population Explosion**' on the occasion of World Population Day, '**Breast Feeding Awareness Campaign**', Elocution & Essay writing completions on '**Eco-friendly Ganeshotsav**' on the occasion of Ganesh Festival, '**Sky Gazing Program**' jointly with IUCAA, Pune, '**Botanical Tour**' to Ramtirth premier, Ajara, 3 Days Student's Workshop on '**Toys from Trash**', etc. Till a date more than 12 activities has been successfully conducted by the WSIAC under this club.

**Club I'd:** VP-MH0094

**Club Name:** WSIAC's Science Club

**Coordinator:** Dr. John Disouza

Certificate:







## **List of activities organized by WSIAC in collaboration with WSIAC's Science Club**


1. Elocution & Poster Presentation Competition on 'Population Explosion' the occasion of World Population Day, (20<sup>th</sup> July, 2018)
2. Breastfeeding Awareness Campaign on the occasion of World Breastfeeding Week (1<sup>st</sup> to 7<sup>th</sup> August, 2018)
3. Botanical Tour to Ramtirth Premier, Ajara (9<sup>th</sup> September, 2018)
4. Elocution and Essay Writing Competition on 'Eco-friendly Ganeshotsav' on the occasion of Ganesh festival (11<sup>th</sup> September, 2018)
5. Video Presentation and Quiz Competition on the occasion of World Space Week (6<sup>th</sup> October, 2018)
6. D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24<sup>th</sup> October, 2018)
7. Sky Gazing Programme in Collaboration with IUCAA, Pune (15<sup>th</sup> & 16<sup>th</sup> December, 2018)
8. Exhibition on 'World of Measurements' & Student's Workshop on 'Vedic Mathematics' on the occasion of World Mathematics Day (21<sup>st</sup> to 23<sup>rd</sup> December, 2018)
9. Child Rearing & Health Programme (11<sup>th</sup> January, 2019)
10. Poster Presentation Competition on 'Addiction & Cancer' on the occasion of World Cancer Day (6<sup>th</sup> February, 2019)
11. Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day (20<sup>th</sup> March, 2019)
12. Pharmacy Students Workshop on 'Foldscope: A Tool to Learn Pharmaceutical Microbiology' (5<sup>th</sup> April, 2019)
13. 3 Days Student's Workshop on 'Toys from Trash' (15<sup>th</sup> to 17<sup>th</sup> April, 2019)
14. Mobile Science Exhibition (18<sup>th</sup> July to 11<sup>th</sup> September, 2018 & 22<sup>nd</sup> November to 18<sup>th</sup> February, 2019)

**Elocution & Poster Presentation Competition on 'Population Explosion' the occasion of World Population Day (20<sup>th</sup> July, 2018)**



**Registration  
Deadline:  
16<sup>th</sup> July, 2018**

**No Entry  
Fees**



**:Venue:**  
Elocution:  
Warana Science & Innovation  
Activity Centre, Warananagar

**:Poster:**  
Tatyasaheb Kore College of  
Pharmacy, Warananagar

**:Day & Date:**  
Friday, 20<sup>th</sup> July, 2018;  
10.00 am onward

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**:Contact Person:**  
Pritesh Lole, 94217 70218  
Popat Kumbhar, 77700 39731

**WSIAC's SCIENCE CLUB**  
(Affiliated to Vigyan Prasar NETWORK of Science Clubs)  
Club Unique Authentication No.: VP-MH0094  
&  
Shree Warana Vibhag Shikshan Mandal's  
**WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**  
**Warananagar**  
Jointly Organizes  
**Elocution Competition**  
(For School students)  
Groups: 5<sup>th</sup> to 7<sup>th</sup> Standard, 8<sup>th</sup> to 10<sup>th</sup> Standard  
(Maximum 1 entry from each group from each school)  
Time allowed: 3 min ± 10 seconds  
Language: Marathi or Hindi or English

**Poster Presentation Competition**  
(For College students)  
(Maximum 2 entries per college)  
On the occasion of **World Population Day**, the elocution & poster  
presentation competition is organized on topic;  
**Population Explosion**  
**Population Explosion**  
**लोकसंख्येचा विळखा**



## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

To create awareness in school and college students about rapidly increasing global population, therefore, the consequences of nature and the consequences of our daily lives, the inconveniences of every living creature, measures needed for population control and so on was organized by WSIAC's Science Club (Affiliated to Vigyan Prasar NETWORK of Science Clubs) in association with Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar on topic 'Population Explosion', on the occasion of World Population Day. Dr. Mrs. Vasanti Rasam, Admin. Officer, SWVSM was the chief guest for the prize distribution ceremony. Dr. John Disouza, Principal Coordinator, WSAIC briefed the objective of organizing such activities for students.

For Elocution competition 41 students and for Poster Presentation competition 30 Groups (2 participants/ group) of different school & colleges from Kolhapur and Sangli district were participated. With the help of informative & decorative posters students have expressed their views regarding increasing global population, therefore, the consequences of nature and our daily lives, the inconveniences of every living creature, measures needed for population control and so on.

This competition helped students to know about different positive and negative aspects of increasing population around world. At this competition students presented some prevention to be taken to control the rapid increase in population. This way the competition helped students to create awareness regarding rapid increase in population and its adverse effect on human being.

#### Elocution Competition Result:

##### Junior Group - 5<sup>th</sup> – 7<sup>th</sup> Std.

Student Name	School Name	Rank
Miss. Sai Jadhav	Vidyaniketan English Medium School, Sakharale	1 <sup>st</sup>
Miss. Divya Shete	Tatyasaheb Kore English Academy, Warananagar	2 <sup>nd</sup>
Mast. Altmash Ustad	The National Academy, Uchgaon	3 <sup>rd</sup>

##### Senior Group - 8<sup>th</sup> – 10<sup>th</sup> Std.

Student Name	School Name	Rank
Miss. Shreni Budhale	Tatyasaheb Kore English Academy, Warananagar	1 <sup>st</sup>
Mast. Shambhuraj Shirke	Tatyasaheb Kore Military Academy, Vinaynagar	2 <sup>nd</sup>
Mast. Rohan Sasane	St. Xavier's School, Kolhapur	3 <sup>rd</sup>

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SWVSM's Warana Science & Innovation Activity Centre, Warananagar

### Poster Presentation Competition Result:

Student Name	College Name	Rank
Miss. Disha Ambe Miss. Shrushti Dhumal	Tatyasaheb Kore College of Pharmacy, Warananagar	1 <sup>st</sup>
Miss. Rukaiyya Mulani, Miss. Aafrin Jamadar	Annasaheb Dange College of B-Pharmacy, Ashta	2 <sup>nd</sup>
Miss. Rajnandini Patil, Miss. Rutuja Rathwal	Tatyasaheb Kore College of Pharmacy, Warananagar	3 <sup>rd</sup>

### Photos:



Participants in elocution competition

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Participants presenting poster



Welcome address by **Dr. John Disouza**

**Annual Report (2018-19);**

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Felicitation of chief guest **Dr. Mrs. Vasanti Rasam**



Elocution competition prize distribution

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Poster presentation competition prize distribution



Felicitation of the judges

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Student participants



**Breastfeeding Awareness Campaign on the occasion of World Breastfeeding Week  
(1<sup>st</sup> to 7<sup>th</sup> August, 2018)**

**Activity Report:**

To create awareness among women in society about importance of breastfeeding and its benefits for mother and baby, 'Breastfeeding Awareness Campaign' was organized by Tatyasaheb Kore College of Pharmacy, Warananagar in association with WSIAC's Science Club (Affiliated to Vlgyan Prasar NETwork of Science Clubs) and Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar on the occasion of World breastfeeding week i.e. 1st August to 7th August, 2018.

Why breastfeeding is important...?, when to start breastfeeding...?, benefits of breastfeeding in first six months, different suitable position for breastfeeding, frequency of breastfeeding, supplements for mother and baby, how long breastfeeding should be continued...?, what are the precautions to be taken if the mother or the child is ill...?, and many more points were covered by lectures and one-to-one counselling. Diagrammatical informative leaflet helped all women to understand the importance of breastfeeding.

Dr. Sudhakar Dhekale of Sub-district Hospital, Kodoli told the story of Hirkani who step down from the fort at late night to feed her baby child. They also highlighted about the Hirkani rooms made available at every public place considering the importance of breastfeeding. Dr. Konidena Vishala K. of Yashwant Ayurvedic Rugnalaya, Kodoli shared solution for different common problems faced by every breastfeeding mother. One-to-one counselling by female student volunteers created healthy environment for women to share their problems and get appropriate solution.

At the end of this session women were very happy for getting the scientific solution for superstitions and their problems. They promised about sharing such valuable information among all other women in society.

**Venue as listed below:**

<b>Sr. No.</b>	<b>Name of Staff</b>	<b>Name of Hospital</b>	<b>Date</b>
1	Mrs. K. A. Nangare Mr. S. H. More	Sub-district Hospital, Kodoli	01.08.2018
2	Mrs. J. R. Kamble Mr. S. S. Patil	Yashwant Ayurvedic Rugnalaya, Kodoli	01.08.2018
3	Dr. U. S. Chougule Mr. S. S. Patil	Kore Hospital, Warananagar	02.08.2018
4	Mrs. S. S. Shinde Mr. P. D. Lole	Amey Hospital, Warananagar	02.08.2018
5	Mrs. S. R. Desai Mr. P. S. Kumbhar	Porwal Hospital, Islampur	04.08.2018
6	Mrs. V. D. Khanvilkar	Primary Health Clinic, Borpadale	07.08.2018

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	Mr. P. S. Kumbhar		
7	Mrs. S. D. Powar Mr. P. D. Lole	Primary Health Clinic, Kekhale	10.08.2018

**Photos:**



**Dr. Sudhakar Dhekale of Sub-district Hospital Kodoli, addressing about importance of breastfeeding**



**Volunteers answering the queries asked by mothers**

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Student volunteers distributing leaflets to women at Primary Health Clinic, Kekhale



One-to-one counselling of mothers by volunteers

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### Botanical Tour to Ramtirth Premier, Ajara (9<sup>th</sup> September, 2018)

#### Activity Report:

Kolhapur district is one of the richest places for medicinal and rare trees. To know and study about their structure, medicinal benefits, WSIAC's Science Club in association with Warana Science & Innovation Activity Centre and 'Aamhi Ajarekar' had jointly organized botanical tour to 'Ramtirth premier' in Ajara taluka, Kolhapur of district on Sunday, 9th Sept 2018 under the guidance of botanist Dr. Madhukar Bachulkar.

At the time of introductory Dr. Disouza expressed the desire of publishing a book of complete scientific information and photographs collected from this program in front of the community.

In this tour, more than 90 plants e.g. Asparagus, Jyotishmati, Ran Aalla, MuradSheng, Baheda etc. were observed and noted the details like their botanical name, medicinal properties. The only tree in Kolhapur district of 'Vada' was observed became subject of attraction for all naturopathy.

At the end of this session all the members of WSIAC's Science Club, Aamhi Ajarekar group and students, professor of Ajara College who were enthusiastically present for the tour was very happy for getting the scientific solution for superstitions and their problems. They promised about sharing such valuable information among society.

#### Photos:



Dr. Madhukar Bachulkar explaining the importance of conservation of Pashchim Ghat



Dr. Madhukar Bachulkar introducing medicinal properties of the plant

Media Coverage:

## वनऔषधीची शोध सहल; दुर्मिळ वडाचे वटवृक्ष आढळले

आजरा (संभाजी जाधव) :

आजरा येथे रामतीर्थ परिसरात जैवी - विविधतेने नटलेल्या आजरा मध्ये वनस्तीचा शास्त्रीय पध्दतीने आभ्यास करण्यासाठी व विद्यार्थी यांना आभ्यास व्हावा या उद्देशाने वनस्पती शास्त्र डॉ मधुकर बाबुळकर यांच्या मार्गदर्शनखाली एक वर्षा सहल आयोजित केली होती.

आजरा माहाविद्यालयमधील बॉटनी विषयाचे प्राध्यापक आणि विद्यार्थी होते. त्यांचा आजरा रामतीर्थ येथे १० वनऔषधी ओळखले यामध्ये अनंत मुळ, मुरुड शेग, अशा वेगवेगळ्या वनस्पती व त्यांचे गुणधर्म या विषयी माहिती दिली. या रामतीर्थ मंदिर परिसरात एक कोल्हापूर



जिल्हात दुर्मिळ असे वडाचे पारंब्या नमुन लाल फळाऐवजी या पानाचा आकार टोकदार आहे. वटवृक्ष आढळले या वटवृक्षाला वटवृक्षाला पिवळी फळे लागतात. त्या वृक्षाला वनस्पती शास्त्र



फायकस मैसुरीसिस वृक्ष म्हणून संबोधतात असे डॉ बाबुळकर यांनी



सांगितले.

आम्ही आर्जेकर या बॉटॅनिक गुर्फने या सहलीचे निवोजन केले होते.

आलेल्या पाहण्याचे स्वागत डॉ बाबुळकराचे स्वागत डॉ अनिल देशपांडे यांनी केले.

या सहलीला डॉ. जॉन डिसुझा, डॉ. अंजली देशपांडे, डॉ. सुरजीत पांडव, डॉ. अनिता डिसुझा, डॉ.दिरक सातुसकर, समीर देशपांडे (पत्रकार) सुधीर मुंब, सुरेश पत्की, अशोक सादले, प्रथमेश काणेकर, अभिषेक रोडगी, डॉ प्रविन निबाळकर सह इतरांनी या सहलीसाठी परिश्रम झेवतले. अंधार अभिषेक रोडगी यांनी मानले.

**Elocution and Essay Writing Competition on 'Eco-friendly Ganeshotsav' on the occasion of Ganesh Festival (11<sup>th</sup> September, 2018)**



**WSIAC's SCIENCE CLUB**  
(Affiliated to VIgyan Prasara NETwork of Science Clubs)  
Club Unique Authentication No.: VP-MH0094  
&  
Shree Warana Vibhag Shikshan Mandal's  
**WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**  
**Warananagar**  
Jointly Organizes

## Elocution & Essay Writing Competition

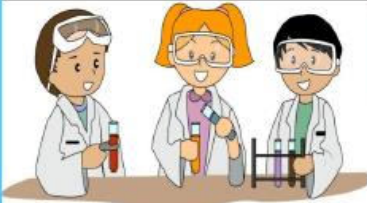
(For School and College students)

Groups: 5<sup>th</sup> to 7<sup>th</sup> standard, 8<sup>th</sup> to 10<sup>th</sup> Standard & College students  
Time allowed for Elocution Competition: 5 min ± 10 seconds  
Words Limit for Essay Writing Competition: 500 Words  
Language: Marathi or Hindi or English


To create **Environmental Awareness** among the School & College students, on the occasion of **Ganesh Utsav**, the elocution & essay writing competition is organized on topic;

Registration Deadline:  
Saturday, 08<sup>th</sup> Sept, 2018

No Entry Fees



# पर्यावरण पूरक गणेशोत्सव



**-: VENUE :-**  
Warana Science & Innovation Activity Centre, Warananagar

**-: DAY & DATE :-**  
Tuesday, 11<sup>th</sup> Sept, 2018;  
10.00 am onward

**-: CONTACT PERSON :-**  
S. S. Patil - 9423282658  
S. H. More - 9970624387  
P. S. Kumbhar - 77700 39731  
P. D. Lole - 94217 70218

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### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

In our Indian culture, we celebrate many festivals of different castes and religions with great joy and enthusiasm. But in the recent past, the interpretation of the celebration has changed. This has led to a large increase in noise pollution, air pollution, water pollution and the consequences are taking place in our daily lives. An example of this is Ganesh Festival. Recognizing the seriousness of pollution and the degraded ecosystem and to create awareness among the children about the environmental issues WSIAC's Science Club in association with Warana Science & Innovation Activity Centre, was organized Elocution and Essay writing competition on "Eco-friendly Ganeshotsav" on Tuesday, September 11th, 2018. A total of 143 participants were registered in both competitions.

Environmental pollution in the recent times, in celebration of festivals, it's consequences on nature and human beings and how the daily live is suffering from the diseases etc. points were highlighted by the participants. Participants also suggested the various solutions for the problems in spite of the use of non-insoluble materials such as plastics, thermocol, plaster of pairs etc.

At the time of inauguration of prize distribution ceremony, Principal Coordinator of WSIAC Dr. John Disouza expressed the benefits of the Ganesh idol made up of alto for purification of the water. Dr. S. V. Anekar principal of Tatyasaheb Kore Institute of Technology was the chief guest for this ceremony. They emphasis celebrate chemical-free festival.

This competition help participants to know the various problem occurring and it's side effects on lives while celebrating the festival and what are the precautions to be taken for the same. This way competition helped students to motivate them about awareness of environmental issues.

#### Elocution Competition Result:

##### Junior Group:

Student Name	School Name	Rank
Ms. Mridula Deshmukh	Tatyasaheb Kore English Academy, Warananagar	1 <sup>st</sup>
Ms. Manshvi Patil	Tatyasaheb Kore English Academy, Warananagar	2 <sup>nd</sup>
Ms. Vaibhavi Borate	Jakhale Highschool, Jakhale	3 <sup>rd</sup>

##### Senior Group:

Student Name	School Name	Rank
Ms. Anishka Joshi	Tatyasaheb Kore English Academy, Warananagar	1 <sup>st</sup>
Mast. Shubham Shelke	Tatyasaheb Kore Military Academy, Warananagar	2 <sup>nd</sup>
Ms. Vaishnavi Patil	Tatyasaheb Kore English Academy, Warananagar	3 <sup>rd</sup>

##### College Students:

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Student Name	College Name	Rank
Ms. Pushpa Dilip Chopade	Tatyasaheb Kore College of Pharmacy, Warananagar	1 <sup>st</sup>
Ms. Divya Dinkar Shirke	Tatyasaheb Kore College of Pharmacy, Warananagar	2 <sup>nd</sup>
Ms. Pooja Ramchandra Patil	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar	3 <sup>rd</sup>

#### Essay Writing Competition Result:

##### Junior Group:

Student Name	School Name	Rank
Ms. Swaranjali Deshmukh	Tatyasaheb Kore English Academy, Warananagar	1 <sup>st</sup>
Ms. Saniya Kurne	Jakhale Highschool, Jakhale	2 <sup>nd</sup>
Ms. Sharlin Monis	Tatyasaheb Kore English Academy, Warananagar	3 <sup>rd</sup>

##### Senior Group:

Student Name	School Name	Rank
Ms. Tabbasum Shaik	The National Academy School, Uchagaon	1 <sup>st</sup>
Ms. Nakshatra Awati	Tatyasaheb Kore English Academy, Warananagar	2 <sup>nd</sup>
Ms. Shwetali Deshmukh	Tatyasaheb Kore English Academy, Warananagar	3 <sup>rd</sup>

##### College Students:

Student Name	College Name	Rank
Ms. Joyti Kurade	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar	1 <sup>st</sup>
Mast. Vivek Fatale	Tatyasaheb Kore College of Pharmacy, Warananagar	2 <sup>nd</sup>
Ms. Dhanashri Gaikwad	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar	3 <sup>rd</sup>

##### Photos:



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Participant performing in elocution competition



Students participated in essay writing competition

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Chief guest **Dr. S. V. Anekar** addressing the participants



Elocution competition prize distribution

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**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Essay writing competition prize distribution



Dignitaries with rankers

Media Coverage:

**सकाळ**

## मृदुला, अनुष्का, तब्बसूम, स्वरांजली विजेत्या

**पर्यावरणपूरक गणेशोत्सव स्पर्धा**

**वारणानगर, ता. १४ :** सायन्स क्लब आणि वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर यांच्या संयुक्त विद्यमाने 'पर्यावरणपूरक गणेशोत्सव' या विषयावरील वक्तृत्व आणि निबंधलेखन स्पर्धा झाली. यात १४३ स्पर्धक सहभागी झाले. सेंटरचे प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोझा, तात्यासाहेब कोरे अभियांत्रिकीचे प्राचार्य डॉ. एम्. व्ही. आणेकर यांची भाषणे झाली. **स्पर्धेचा निकाल असा :**

**वक्तृत्व :** लहान गट- मृदुला देशमुख (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर), मनस्वी पाटील (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर), वैभव बोरोटे (जाखले हायस्कूल, जाखले).

**मोठा गट-** अनुष्का जोशी (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर), शुभम शेळके (तात्यासाहेब कोरे मिलिटरी अॅकॅडमी, वारणानगर), वैष्णवी पाटील (तात्यासाहेब कोरे मिलिटरी अॅकॅडमी, वारणानगर). कॉलेज स्टुडेंट- पुष्य



**वारणानगर :** येथील वारणा सायन्स सेंटरच्या वतीने वक्तृत्व व निबंध स्पर्धेतील विजेत्यांच्या पारितोषिक वितरणप्रसंगी प्राचार्य डॉ. एम्. व्ही. आणेकर, प्राचार्य डॉ. जॉन डिसोझा आदी.

चोपडे (तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी, वारणानगर), दिव्या शिर्के (तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी, वारणानगर), पूजा पाटील (तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी, वारणानगर).

**निबंधलेखन :** लहान गट- स्वरांजली देशमुख (तात्यासाहेब कोरे

इंग्लिश अॅकॅडमी), सानिया कुरणे (जाखले हायस्कूल, जाखले), शर्मिन मोनीस (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर).

**मोठा गट-** तब्बसूम शेख (दि. नॅशनल अॅकॅडमी स्कूल, उचगाव), नक्षत्र आवटी (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर), शीतल देशमुख (तात्यासाहेब कोरे इंग्लिश अॅकॅडमी, वारणानगर). कॉलेज स्टुडेंट्स : ज्योती कुराडे (वारणा महाविद्यालय, वारणानगर), विवेक फातले (तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी, वारणानगर), धनश्री गायकवाड (वारणा महाविद्यालय, वारणानगर).

Kolhapur. Ichaikaranji-Today  
15/09/2018 Page No. 2

**Video Presentation and Quiz Competition on the occasion of World Space Week  
(6<sup>th</sup> October, 2018)**

**Activity Report:**

To educate students about Chaperon, Ingenerate and benefits of space and to provide unique leverage in space outreach and education WSIAC's Science Club (Affiliated to VIgyan Prasar NETwork of Science Clubs) in association with Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar has jointly organized video presentation and quiz competition for students on Saturday, 6th October 2018 on the occasion of World Space Week i.e. 4<sup>th</sup> October to 10<sup>th</sup> October.

What is Solar System? Circumstances and rotations of planets, Different planetary satellites, planetary excursion orbit, changes in the environment due to circulation and circulation, Atmosphere of planets, details of Mangal Yan etc points were presented to students with the help of videos. Visual presentation helped students to develop virtual Solar system in their mind to clear the doubts. After the presentation session, quiz competition were conducted among various groups of students. Students participated in the competition and gave answers to all the questions in their language. Due to the understanding of the things that were perceived with the help of video presentations, the joy of students was on their faces.

For the quiz competition, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune named eight groups including 3 participants each were the competitors. General round, buzzer round, rapid fire round was conducted during the competition. After each round, half of the total groups were eliminated on the basis of marks obtained by the groups. Final round was conducted between Mercury and Venus. Out of these two groups, Mercury was the winner of the competition.

At the end of this session, students shared their feedback in which they highlighted various aspects understood in different way.

**Photos:**



Scientific officer **Mr. S. S. Patil** explaining concepts regarding space with help of videos

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**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Prize distribution ceremony

## Annual Report (2018-19);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

### D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24<sup>th</sup> October, 2018)

#### Activity Report:

To create awareness among D. Ed teachers about Science and importance of conducting various practical's in better way, workshop was organized by WSIAC's Science Club (Affiliated to Vigyan Prasar NETWORK of Science Clubs) in association with Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar on Wednesday, 24th October 2018.

Prof. Tukaram Kumbhar, Associate professor, DIECPD, Kolhapur was presided over workshop. Prof. S. S. Patil Scientific Officer gave welcome speech to all delegates. After felicitation of dignitaries on dais Prof. Tukaram Kumbhar shared their lot of experiences and briefed the role of today's science and mathematics teachers to create interest of these subjects in the students.

Prof S. S. Patil and Prof. P. S. Kumbhar demonstrated kits of Astronomy, Modern Physics, Chemistry, Weather, Earthquake and Biodiversity received from Vigyan Prasar, New Delhi. During the kit demonstration they highlighted number of experiments that can be conducted using each kit. Moreover, how these kits create interest in the learning process of students through activities.

Participants for this workshop were Principals as well as teachers of D. Ed. College in Kolhapur district. More than 80 participants have been participated for the workshop. After workshop all Participants visited fun science and innovation lab. Scientific Officers have also explained information regarding exhibits available in fun science lab activities conducted in the innovation lab to the teachers.

#### Photos:



Scientific officer **Mr. S. S Patil** explaining activity kits developed by Vigyan Prasar

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Delegates observing scientific exhibits



**Sky Gazing Programme in Collaboration with IUCAA, Pune  
(15<sup>th</sup> & 16<sup>th</sup> December, 2018)**



**-: VENUE :-**

Warana Science & Innovation  
Activity Centre, Warananagar

**-: DAY & DATE :-**

Saturday, 15<sup>th</sup> Dec. 2018,  
9.00 PM Onwards

**-: CONTACT PERSON :-**

Prof. S. S. Patil – 94232 82658  
Prof. S. H. More – 99706 24387  
Prof. P. S. Kumbhar - 77700 39731  
Prof. P. D. Lole - 94217 70218

**WSIAC's SCIENCE CLUB**

(Affiliated to Vigyan Prasar NETwork of Science Clubs)

Club Unique Authentication No.: VP-MH0094

&

Shree Warana Vibhag Shikshan Mandal's

**WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**

**Warananagar**

Jointly With

**Inter-University Centre for Astronomy and  
Astrophysics, Pune**

Organizes

**Sky-Gazing Programme**

**SCHEDULE**

09:00 PM TO 11:00 PM

**Moon through the telescope**

11:00 PM (15<sup>th</sup> Dec.) TO 00:30 AM (16<sup>th</sup> Dec.)

**An introduction to night-sky**

00:30 AM TO 01:30 AM

**An introduction to the meteor shower**

00:30 AM Onwards

**Meteor shower watch**



## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

With the aim of studying various astronomical phenomena occurring in space, WSIAC's Science Club (Affiliated to VIGyan Prasar NETWORK of Science Clubs) in association with Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar has jointly organized Sky Gazing Programme on 15<sup>th</sup> December, 9.00 PM onwards till 16<sup>th</sup> December, 3.00 AM.

For the first time in the Warana area, the Meteorological Observatory Workshop was organized for school-college students, and the citizens received huge response. For this workshop, Ms. Sonal Thorve Madam and Mr. Maharadra Mate from IUCAA, Pune were present as the Chief Speaker-Guide. Thorve Madam gave detailed answers to the questions about galaxy, planets, different positions of stars etc. Workshop started with observation of Mars & Moon from 9.00pm on 15<sup>th</sup> December & ended with watching Meteor Shower between 12.30 AM to 3.00 AM. For the workshop more than 250 observers were present.

#### Photos:



Citizens observing objects in sky through telescope

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Students observing objects in sky through telescope

## दै. पुढारी



वारणा : सायन्स कॉलेज इन्स्टिट्यूटमध्ये वारणेत उल्का वर्षाव निरीक्षण कार्यशाळेस उदंड प्रतिसाद मिळाला. आयुका आदींची माहिती पुणे येथील सोनल थोरवे व महारुद्र मते यांनी आकाशगंगा, ग्रह याविषयी माहिती दिली.

## वारणेत उल्का वर्षाव निरीक्षण कार्यशाळेस उदंड प्रतिसाद

वारणानगर : प्रतिनिधी




अवकाशात घडणाऱ्या वेगवेगळ्या खगोलीय घटनांचा अभ्यास करण्याच्या उद्देशाने वारणा विभाग शिक्षण मंडळ संचलित वारणा सायन्स अँड इन्व्हेशन ॲक्टिव्हिटी सेंटर वारणानगर आणि आयुका पुणे यांच्या संयुक्त विद्यमाने वारणा परिसरात प्रथमच आयोजित केलेल्या उल्का वर्षाव निरीक्षण कार्यशाळेस शालेय, महाविद्यालयीन विद्यार्थ्यांचा, नागरिकांचा उदंड प्रतिसाद मिळाला.

वारणा सहकारी उद्योग व शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे यांच्या मार्गदर्शनाखाली ही कार्यशाळा वारणा परिसरात प्रथमच आयोजित केली

होती. कार्यशाळेसाठी आयुका, पुणे येथील सोनल थोरवे व महारुद्र मते प्रमुख मार्गदर्शक म्हणून उपस्थित होते. यावेळी थोरवे यांनी आकाशगंगा, ग्रह ताऱ्यांच्या वेगवेगळ्या स्थितींविषयी इत्थंभूत माहिती आणि विचारलेल्या प्रश्नांची पूरक उत्तरे दिली. मंगळ आणि चंद्र दर्शनाने सुरू झालेल्या कार्यशाळेत २५० हून अधिक जणांनी मध्यरात्री १२.३० नंतर पहाटे ३.०० पर्यंत उल्का वर्षावाचे निरीक्षण केले. या कार्यशाळेच्या यशस्वी नियोजनाबद्दल संस्थेच्या प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोजा आणि संपूर्ण टीमचे अभिनंदन केले.

Exhibition on 'World of Measurements' & Student's Workshop on 'Vedic Mathematics' on the occasion of World Mathematics Day

(21<sup>st</sup> to 23<sup>rd</sup> December, 2018)



Last Date of Registration for Workshop  
**21<sup>th</sup> Dec. 2018**  
No Entry Fees

-: VENUE :-  
Warana Science & Innovation Activity Centre, Warananagar

-: DAY & DATE :-  
**Exhibition**  
10.00 AM - 5.00 PM  
21<sup>st</sup> - 23<sup>rd</sup> December;  
**Student's Workshop**  
8.30 AM - 12.00 PM  
22<sup>nd</sup> December, 2018

-: CONTACT PERSON :-  
Prof. S. S. Patil - 94232 82658  
Prof. S. H. More - 99706 24387  
Prof. P. S. Kumbhar - 77700 39731  
Prof. P. D. Lole - 94217 70218

**WSIAC's SCIENCE CLUB**  
(Affiliated to VIgyan Prasar NETWORK of Science Clubs)  
Club Unique Authentication No.: VP-MH0094  
&  
Shree Warana Vibhag Shikshan Mandal's  
**WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**  
**Warananagar**  
Organizes  
**Exhibition**

# World of Measurements

For finding the answers of questions like...

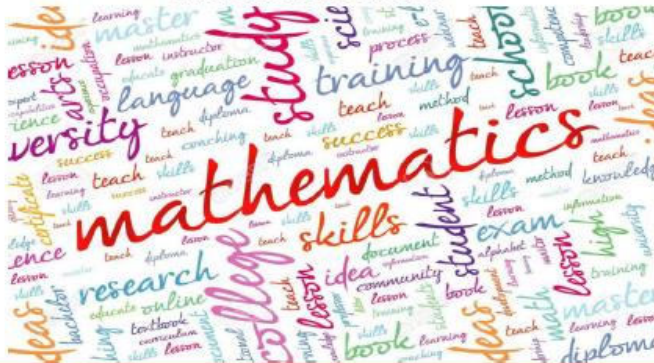
How to measure the **Diameter of Earth..**  
How **Mounts of Carla Bitter..**  
How to measure **Happiness & Sadness..**  
How to measure the **Depth of Ocean..**  
Etc...  
&  
**Student's Workshop**

# Vedic Mathematics

An easy-to-understand mathematical alternative...  
(For 7<sup>th</sup> to 10<sup>th</sup> Std. Students)

**Resource Person**

**Mr. Deepak M. Shete**  
Mathematical Researcher



## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

On the occasion of National Mathematics Day i.e. 22<sup>nd</sup> December, 2018 WSIAC's Science Club (Affiliated to Vigyan Prasar NETWORK of Science Clubs) in association with Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar has jointly organized exhibition on World of Measurements & student's workshop on Vedic Mathematics was organized. More than 500 students visited the exhibition whereas 100+ students were present for workshop. Dr. Surekha Shahapure, Principal, Yashwantrao Chavan Warana Mahavidyalaya, Warananagar was the chief guest.

In exhibition, visitors observed Mathematical Researcher Mr. D. M. Shete's collection of charts for various ancient measurements techniques and their uses on. Intelligent measurement coefficient, Ancient unit of art measurement, Mogul carpet measurements etc are some of the charts.

In workshop, Mr. D. M. Shete, Mathematical Researcher explained about various shortcuts & tricks for solving 6-7 digits problems without using calculator. In their own style he convinced students about mathematics in everyday life.

#### Photos:



Felicitation of chief speaker Mr. D. M. Shete by Dr. Surekha Shahapure

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Students present for the workshop



Students observing the charts in exhibition

## Annual Report (2018-19);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

### Child Rearing & Health Programme (11<sup>th</sup> January, 2019)

#### Activity Report:

Child rearing & health programme was conducted by Warana Science & Innovation Activity Centre in association with WSIAC's Science Club on 11<sup>th</sup> January, 2019. Dr. Dinesh Dharmadhikari, Paediatrician was the chief speaker for the programme. Mr. S. S. Patil and Mr. S. H. More scientific officer of WSIAC felicitated Dr. Dharmadhikari.

This programme was conducted for the parents & students. Around 70 parents were present for the programme. Dr. Dharmadhikari mainly focused on the various aspects regarding the food & health of children. They highlighted various medical tests and treatments that should be taken by the pregnant women along with the importance of each test in the specific month. Sir also briefed about the precautions and diet that should be taken by the pregnant women from the first month. The importance of proteins, carbohydrates and fats in diet of pregnant women and children is also provided to the parents. He also highlighted the importance of exercise, sports in the development of the child health. They also briefed about the quality and quantity of foods for maintaining the proper health of the children. They also talked about the common and minor diseases suffered by the children, the medicines as well as homemade remedies that should be followed to cure these diseases.

Finally, they highlighted preventive care and precautions that should be taken by the parents for maintaining healthy life of their child. Many parents asked questions in their mind regarding care & what type of food should be fed to children. Dr. Dharmadhikari have answered all questions very keenly and cleared doubts of the parents regarding child health satisfactorily.

#### Photos:



Felicitations of Dr. Dinesh Dharmadhikari, by Mr. S. S. Patil & Mr. S. H. More



**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**





Dr. Dinesh Dharmadhikari addressing the audience



Delegates for the program

Poster Presentation Competition on 'Addiction & Cancer', on the occasion of World Cancer Day (6<sup>th</sup> February, 2019)



Poster Size  
1Meter x 1Meter

**WSIAC's SCIENCE CLUB**  
(Affiliated to VIGyan Prasar NETwork of Science Clubs)  
Club Unique Authentication No.: VP-MH0094

&

Shree Warana Vibhag Shikshan Mandal's  
**WARANA SCIENCE & INNOVATION ACTIVITY CENTRE**  
**Warananagar**  
Organizes


# Poster Presentation Competition

Groups: College Student  
(Two Participants in Each Group)  
For creating awareness among students about addiction, cancer & possible precautions should be taken to avoid the cancer.  
On the occasion of

## World Cancer Day

On

# Addiction & Cancer



Last Date of Registration  
**3<sup>rd</sup> February, 2019**  
**No Entry Fees**

-: VENUE :-  
Tatyasaheb Kore College of Pharmacy, Warananagar

-: DAY & DATE :-  
**Wednesday**  
**6<sup>th</sup> February, 2019**  
10.00 am onwards

-: CONTACT PERSON :-  
Prof. S. S. Patil – 94232 82658  
Prof. S. H. More – 99706 24387  
Prof. P. S. Kumbhar - 77700 39731  
Prof. P. D. Lole - 94217 70218

## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

Change in day-today life style, addiction, tremendous use of pesticides & insecticides in farm, etc reasons like these are the main causes of increasing large no of Cancer patients in the world. Identifying the seriousness of the same, Warana Science & Innovation Activity Centre in association with WSIAC's Science Club (Affiliated to VIGyan Prasar NETWORK of Clubs) was organized Poster Presentation competition for College students on 'Addiction & Cancer' on the occasion of World Cancer Day at Tatyasaheb Kore College of Pharmacy, Warananagar, for creating awareness among students about addiction, cancer & possible precautions should be taken to avoid the cancer.

In this competition, 16 Groups (Two students each) from nearby colleges were participated. Participants very well presented the survey of Cancer patients regarding no of patients in various parts of the globe, causes of the Cancer, symptoms, precaution to avoid the cancer. Prof. A. S. Sherikar & Prof. V. H. Potdar of Tatyasaheb Kore College of Pharmacy, Warananagar were the evaluators for the competition.

In introductory speech, Dr. John Disouza, Principal Coordinator, Warana SIAC highlighted the actual objective behind organizing such events by the centre. Dr. B. S. Ghatage, Principal, Tatyasaheb Kore Shikshanshastra Mahavidyalaya (B. Ed.) was the chief guest for the prize distribution ceremony. He appreciated the efforts of the Warana SIAC & WSIAC's Science Club for popularising of science and creating awareness about such important issues among society.

#### Result:

Student Name	College Name	Rank
Ms. Aafrin Jamadar Ms. Rukaiyya Mulani	Annasaheb Dange College of Pharmacy, Ashata,	1 <sup>st</sup>
Ms. Vaishnavi Patil Ms. Prajakta Patil	Y. D. Mane Institute of Pharmacy, Kagal	2 <sup>nd</sup>
Ms. Sonali Koli	Bharati Vidyapeeth College of Pharmacy, Kolhapur	3 <sup>rd</sup>

## Annual Report (2018-19);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

### Photos:



Participants presenting their posters



Felicitation of chief guest **Dr. B. S. Ghatage** by **Dr. John Disouza**

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Felicitation of evaluators **Mr. Vikram Potdar**



Prize distribution ceremony

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Dignitaries with all the participants



Participants visited the WSIAC

Media Coverage:

**सकाळ**



वारणानगर : येथील पोस्टर प्रेझेंटेशन स्पर्धेतील विजेत्यांसोबत प्राचार्य डॉ. बी. एस. घाटगे, डॉ. जॉन डिसोज़ा, प्रा. ए. एस. शेरीकर, प्रा. व्ही. एच. पोतदार.

## वारणेत पोस्टर प्रेझेंटेशन स्पर्धा

### परिसरातील आठ महाविद्यालयांचा सहभाग

**सकाळ वृत्तसेवा**

वारणानगर, ता. १० : येथील वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर आणि डब्ल्यूएसआयएसी सायन्स क्लबतर्फे पोस्टर प्रेझेंटेशन स्पर्धेत अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी आष्टाच्या आफरीन जमादार, रुक्मिण्या मुलाणी, वाय. डी. माने इन्स्टिट्यूट कागलच्या वैष्णवी माने, प्राजक्ता पाटील, भारती विद्यापीठ कोल्हापूरच्या सोनाली कोळी यांनी अनुक्रमे क्रमांक पटकाविला. स्पर्धेत ८ महाविद्यालयांतील १६ संघांनी सहभाग नोंदविला.

डॉ. जॉन डिसोज़ा म्हणाले, "तरुण पिढीत जागरूकता निर्माण

करण्याच्या उद्देशाने व्यसनाधीनता आणि कर्करोग या विषयावरील पोस्टर प्रेझेंटेशन स्पर्धेचे आयोजन केल्याचे त्यांनी सांगितले. सहभागी विद्यार्थ्यांनी जगातील कर्करोगग्रस्त रुग्णांची संख्या, कर्करोग होण्यामागची कारणे, कर्करोगची लक्षणे, त्यावरील उपाय याची उत्तम मांडणी करून बनवलेले पोस्टरसंचे सर्वासमोर सादरीकरण केले." पारितोषिक वितरण प्राचार्य डॉ. बी. एस. घाटगे यांच्या हस्ते झाले. प्रा. ए. एस. शेरीकर, प्रा. व्ही. एच. पोतदार यांनी परीक्षक म्हणून काम पाहिले. माजी मंत्री विनय कोरे, डॉ. वासंती रासम यांचे मार्गदर्शन लाभले. श्री. लोले यांनी सूत्रसंचालन केले. श्री. कुंभार यांनी आभार मानले.

Kolhapur, Main  
11/02/2019 Page No. 4

## Annual Report (2018-19);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

### Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day (20<sup>th</sup> March, 2019)

#### Activity Report:

Oral Health is the one of the important component of our personality. Good oral health is the reflection of healthy personality. Considering these aspect, WSIAC's Science Club (Affiliated to Vigyan Prasar NETwork of Science Clubs) and Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar jointly organized Guest lecture of Oral Health on the occasion of World Oral Health Day i.e. Wednesday 20<sup>th</sup> March, 2019 for 8<sup>th</sup> std. students at Shree Warana Vidyalaya, Warananagar. Dr. Yojana Patil HOD, Public Health Dentistry Dept., Tatyasaheb Kore Dental College, Warananagar was the chief speaker.

Various causes & symptoms of dental caries, use of dental plague, amalgam restoration, root canal treatment, Malocclusion of the teeth, gingivitis treatment, halitosis treatment, importance of brushing teeth twice in day, how to use brush, tooth paste etc., points were explained by here with the help of PPT and charts. She mentioned milk, leafy vegetables, cheese, butter, carrot; apple, non-vegetarian food & 3-4 litre drinking water, etc. included proper and timely diet for good oral health. Also she appealed all to visit dentist twice in a year for maintaining oral health fitness. Nutritious food, limited sweets, brushing after meal, use of fluoridated tooth paste, regular visit to dentist, these 5 points were highlighted as secret behind good oral health.

For this workshop, more than 250 students of Shree Warana Vidyalaya, Warananagar were present for the lecture. This activity helped students to understand proper techniques for maintaining oral health & personality.

#### Photos:



Principal coordinator **Dr. John Disouza** introducing about guest lecture





**Dr. Yojana Patil delivering the lecture**



**Students present for the lecture**

## Pharmacy Student's Workshop on 'Foldscope: A Tool to Learn Pharmaceutical Microbiology' (5<sup>th</sup> April, 2019)



Shree Warana Vibhag Shikshan Mandal's

### Warana Science & Innovation Activity Centre

(Project Aided by RGSTC, Govt. of Maharashtra)

Jointly with

### WSIAC's Science Club, WARANANAGAR

(Affiliated to Vigyan Prasar NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)





Organizes

### 1 Day Pharmacy Student's Workshop

## Foldscope: A Tool to Learn Pharmaceutical Microbiology

on Friday, 5th April 2019 09.30 AM onwards

#### Objectives of the Workshop

Foldscope is the ultra-affordable, portable, durable, paper microscope; designed to give optical quality similar to conventional research microscopes. The mission to develop foldscope is to globally expand access to microbial world. The workshop aims to give hands-on training to use the foldscope as research and educational tool.



**President of the Function**  
**Hon'ble Dr. Shri. Vinayraoji Kore (Savkar)**  
President,  
Warana Co-op. Industrial & Educational Complex, Warananagar

**Guest Speaker**  
**Hon'ble Dr. Praveen Rahi**  
Scientist-C,  
National Centre for Microbiological Resources,  
National Centre for Cell Science, Pune

**In presence of**  
**Hon'ble Dr. Vasanti Rasam**  
Administrative Officer,  
Shree Warana Vibhag Shikshan Mandal, Warananagar

**Organized by**  
**Dr. John Disouza**  
Principal Coordinator



**Prof. S. S. Patil**  
Scientific Officer

**Prof. S. H. More**  
Scientific Officer

**Prof. P. S. Kumbhar**  
Scientific Officer



**Prof. P. D. Lole**  
Scientific Officer

Warana Science & Innovation Activity Centre, Warananagar

VENUE

Tatyasaheb Kore College of Pharmacy, Warananagar,  
Tal: Panhala, Dist: Kolhapur, Maharashtra - 416113

## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

Foldscope is ultra-affordable, portable, durable paper microscope; designed to give optical quality similar to conventional research microscope. The mission to develop Foldscope is to expand the access to microbial world. The aim of the workshop was to provide hands-on training to use the Foldscope as research & educational tool. Dr. Praveen Rahi, Scientist-C, National Centre for Microbial Resource, National Centre for Cell Science, Pune was the chief speaker for the workshop.

As traditional microscopes are often expensive or cumbersome is the primary inspiration to develop the Foldscope. He briefed the objectives and importance of such innovative Foldscope in the field microbiology. He highlighted the role of manufacturing innovative lenses and specimen mounting techniques. He demonstrated construction of Foldscope using papers, lens, etc. Students also constructed Foldscope by using provided materials.

Dr. Rahi donated 2 sets of Foldscope to WSAIC. This workshop would find usefull to students for creating such type of innovative, simple, economic & user friendly microscope in the field of microbiology.

Considering the dazzling contribution in Microbiology by Dr. Mangesh Suyavanshi, Dr. John Disouza, Principal Coordinator, WSIAC, presented him appointment letter as Warana SIAC's Science Ambassador.

#### Photos:



Felicitation of **Dr. Praveen Rahi** by the auspicious hands of **Dr. John Disouza** in presence of **Dr. Mangesh Suryavanshi, Dr. C. M. Jamkhandi & Mr. Mitesh Khairnar**



**Dr. Praveen Rahi demonstrating the Foldscope**



**Students working on foldscope**

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



**Dr. Rahi donating 2 sets of foldscope to WSIAC**



**Dr. John Disouza presenting appointment letter as Warana SIAC's Science Ambassador to  
Dr. Mangesh Suyavanshi**

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



**Dr. Rahi** answering the quires asked by the students

## 3 Days Student's Workshop on 'Toys from Trash' (15<sup>th</sup> to 17<sup>th</sup> April, 2019)



Shree Warana Vibhag Shikshan Mandal's  
**Warana Science & Innovation Activity Centre**  
(Project Aided by RGSTC, Govt. of Maharashtra)  
Jointly with  
**WSIAC's Science Club, WARANANAGAR**  
(Affiliated to Vigyan Prasara Network of Science Clubs; Club Unique Authentication No.: VP-MH0094)



Organizes,

**3 Days Students  
Workshop on**



Entries are  
limited to 60

**For 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> Std.  
Students**

### Objectives of the Workshop

- To develop science toys from trash
- To enhance scientific approach by learning science through hands-on activities
- To observe & understand geographical events through telescope

### List of Activities

- DC Motor
- Paper Helicopter
- Paper Tumbling Toy
- Vertical levitation
- Ice Creams Creature
- Spiral Snake
- Paper Fish
- Mastic model
- Woodpecker
- Paper Rabbit
- Straw Turbine
- & much more

### Sky Gazing Programme Through Telescope

#### Resource Persons

**Mr. Shivaji Mane**  
Science Toy Teacher



**Mr. Maharudra Mate**  
Technician, IUCAA



#### Registration Details

Last date of registration: Monday, 8<sup>th</sup> April 2019

Fee: Rs. 1000/ Student (Including Material, Breakfast & Lunch)



#### Schedule

Monday 15<sup>th</sup> to Wednesday 17<sup>th</sup> April, 2019

(09.30 AM to 5.00 PM)

Sky Gazing Programme – 08.30 PM onwards



#### Contact Details

Prof. S. S. Patil - 94232 82658

Prof. S. H. More - 99706 24387

Prof. P. S. Kumbhar - 77700 39731

Prof. P. D. Lole - 94217 70218



**Venue: Warana Science & Innovation Activity Centre, Warananagar,  
Tal – Panhala, Dist – Kolhapur, 416113**

## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Activity Report:

To develop scientific approach among school students through hands-on activity based learning method, Toys from Trash 3 days students workshop was organized by Shree Warana Vibhag Shikshan Mandal's Warana Science & Innovation Activity Centre, Warananagar jointly with WSIAC's Science Club (Affiliated to VIGyan Prasar NETwork of Science Clubs) during Monday 15<sup>th</sup> April to Wednesday 17<sup>th</sup> April, 2019 at Warana Science & Innovation Activity Centre, Warananagar.

Tumbling toy, D. C. Motor, 3 blade fans, vertical levitation such type of more than 25 models were developed. Concept like Newton's laws, Bernoullie's principle and Electromagnetic field generation and its effect, etc. were discussed by Science toy teacher Mr. Shivaji Mane. Students with their friends and parents enjoyed sky gazing programme. Moon, Mars, asterisks were observed and geographical concepts were explained by Mr. Maharudra Mate, technician, IUCAA, Pune.

For this workshop, more than 50 students of 15 nearby schools were participated in the workshop. This activity helped students to understand the various scientific concepts from fifth to tenth standard with proper techniques of developing toys from available trash.

#### Photos:



Felicitation of **Mr. Shivaji Mane** by the scientific officers of the WSIAC



**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Participant performing activity using toy



Participants with prepared air bag

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Sky gazing programme



Balloon car race

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Participants with prepared models/toys in workshop



Participants with certificate

**Media Coverage:**

## सकाळ



वारणानगर : वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर आणि सायन्स क्लबतर्फे टाईज फ्रॉम टूश या विषयावरील कार्यशाळेत विद्यार्थ्यांसमवेत मार्गदर्शक

### वारणा विज्ञान केंद्रात कार्यशाळा

वारणानगर : येथील वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर आणि सायन्स क्लबतर्फे टाईज फ्रॉम टूश या विषयावरील तीनदिवसीय विद्यार्थ्यांची कार्यशाळा झाली. शिवाजी माने आणि पुणे येथील आयुकाचे टेक्नशियन महाक्रुद्र मते यांनी मार्गदर्शन केले. विद्यार्थ्यांनी डी. सी. मोटर, टंबलिंग टॉय, श्री ब्लेड फॅन, व्हर्टिकल लेव्हिटेशन अशा २५ हून अधिक कृतिशील प्रयोगातून न्यूटनचे नियम, बर्नोली प्रिन्सिपल, विद्युतचुंबकीय ऊर्जेची निर्मिती, परिणाम, पाणीपुरवठा यासाठी वापरली जाणारी सायफन पद्धत आदी संकल्पना समजून घेतल्या. सर्वाना टेलिस्कोपमधून चंद्र आणि मंगळ ग्रहाचे निरीक्षण केले. विनय कोरे, डॉ. वासंती रासम यांनी मार्गदर्शन केले. डॉ. जॉन डिसोजा, संभाजी भोसले, एस. एस. पाटील, एस. एच. मोरे, पी. एस. कुंभार, पी. डी. लोले आदींनी कार्यशाळेसाठी विशेष प्रयत्न केले.

Kolhapur, Kolhapur-Today  
22/04/2019 Page No. 2

### **Mobile Science Exhibition (MSE)**

For a child, Science is just an extension of his or her everyday world. A child learns naturally. No child is taught. He is facilitated to learn. That which is learnt is better absorbed than which is taught. That is why free choice learning is considered the preferred mode of learning by educationists today. In today's world, people have the opportunity to learn all the time, at their own pace, a subject of their own interest and Science is the best learnt by free choice. Science is based on observations, facts and deductions. These actions are best performed by learner himself. With this in mind Nehru Science Centre, Mumbai has conceptualised, designed and developed 20 interactive mobile science exhibits based on selected topics of school curriculum of its well appreciated activity.

The primary aim of the programme is to take science to the door step of the people in the hinterland of the country. This book explains 20 concepts like, Newton's law of motion, Atmospheric Pressure, A. C. – D. C. Motor, A. C. – D. C. Generator, Electromagnetic induction, Properties of Visible Light, World Clock etc. Involvement of students for performing activities helps them to upgrade hands-on knowledge for implementing the actual concept in reality.

During 18<sup>th</sup> July - 11<sup>th</sup> September, 2018 and 22<sup>nd</sup> November, 2018 – 18<sup>th</sup> February, 2019, Mobile Science Exhibition (MSE) was made available in more than 225 major schools of Kolhapur & Sangli districts. More than 1.0 Lakh students had visited and joyfully learnt the exhibits in the exhibition.

**Photos:**



Students visiting the exhibition



Students visiting the exhibition

Media Coverage:

**लोकमत**

## वारणेच्या परिसरातून शास्त्रज्ञ उदयास येतील

**विनय कोरे : वारणानगरला नेहरू सायन्स सेंटरच्या 'मोबाईल सायन्स एक्झिबिशन व्हॅन'चे उद्घाटन**

लोकमत न्यूज नेटवर्क

वारणानगर : कृतीतून विज्ञानाचे धडे गिरवण्यासाठी वारणा शिक्षण संकुलाने वारणा विज्ञान केंद्राची निर्मिती करून परिसरातील विद्यार्थ्यांमध्ये वैज्ञानिक दृष्टिकोन निर्माण करण्याचे काम केले असून, या कामाचा पुढील भाग म्हणून या केंद्राच्या वतीने व नेहरू सायन्स सेंटरच्या संयुक्त विद्यमाने कोल्हापूर जिल्ह्यासाठीचा व्हॅन दौरा जिल्ह्यातील लहान मुलांमध्ये कल्पकता निर्माण करण्यास उपयुक्त ठरेल, असे प्रतिपादन वारणा समुहाचे प्रमुख व माजी मंत्री डॉ. विनय कोरे यांनी येथे बोलताना केले. भविष्यात वारणा परिसरातून अनेक शास्त्रज्ञ उदयास येतील, अशी अपेक्षा कोरे यांनी व्यक्त केली.

नेहरू सायन्स सेंटर मुंबई, आणि वारणा विज्ञान केंद्र, वारणानगर यांच्या संयुक्त विद्यमाने प्रथमच नेहरू सायन्स सेंटरच्या 'मोबाईल सायन्स एक्झिबिशन व्हॅन'चे उद्घाटन झाले. जिल्ह्यातील विविध शाळांनाही मोबाईल व्हॅन भेट देणार आहे

नेहरू सायन्स सेंटर, मुंबई आणि वारणा विज्ञान केंद्र, वारणानगर यांच्यावतीने नेहरू सायन्स सेंटरच्या मोबाईल सायन्स एक्झिबिशन व्हॅनचे उद्घाटन डॉ. विनय कोरे यांच्या हस्ते झाले. यावेळी डॉ. वासंती रासम, प्राचार्य डॉ. जॉन डिसोजा, आदी मान्यवर उपस्थित होते.

मोबाईल सायन्स एक्झिबिशन सर्व तालुक्यांतील काही प्रमुख शाळांमध्ये विद्यार्थी व शिक्षक भेटींसाठी मोफत उपलब्ध केली जाणार आहे. या प्रदर्शनात न्युटन्स लॉ ऑफ मोशन, वायुमंडलीय दबाव, बल, गुरुत्व, घर्षण, प्रकाशाचे गुणधर्म, मालिका आणि समांतर परिपथ यासारख्या बऱ्याच संकल्पना उपकरणांच्या साहाय्याने प्रदर्शित होणार आहेत.

आहेत. तसेच विद्यार्थ्यांच्या सहभागाने वेगवेगळे वैज्ञानिक उपक्रम केले जाणार आहेत.

या उद्घाटनावेळी वारणा विभाग शिक्षण मंडळाचे प्रशासकीय अधिकारी डॉ. वासंती रासम, वारणा विज्ञान केंद्राचे प्रिन्सिपल कोऑर्डिनेटर डॉ. जॉन डिसोजा, सार्वजनिक ऑफिसर प्रा. एस. एस. पाटील, प्रा. एस. एच. मोरे, प्रा. पी. एस. कुंभार, प्रा. पी. डी. लोले, वारणा विद्यालयाचे मुख्याध्यापक एम. बी. मलम, मिलिटरी स्कूलचे प्राचार्य टी. बी. राटवळ, इंग्लिश स्कूलचे प्राचार्य हेलिना मोनिस, कोरे इंटरनॅशनल स्कूलचे मुख्याध्यापक देसाई, संजय बुल्ले, आदी उपस्थित होते.

Hello Kolhapur  
Page No. 10 Jul 21, 2018  
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## लोकमत



नेहरू सायन्स सेंटर मुंबई आणि वारणा सायन्स अँड इनोव्हेशन ॲक्टिव्हिटी सेंटरच्या माध्यमांतून मोबाईल सायन्स एक्झिबिशन (व्हॅन) शाळाशाळांत पोहोचत असून, व्हॅन पाहण्यासाठी विद्यार्थी मोठ्या संख्येने गर्दी करीत आहेत.

# मोबाईल सायन्स एक्झिबिशनला प्रतिसाद

### लोकमत न्यूज नेटवर्क

वारणानगर : वारणा आणि परिसरातून भविष्यातील शास्त्रज्ञ घडविण्यासाठी तसेच कृतीतून विज्ञान-तंत्रज्ञानाचे धडे गिरविण्याच्या उद्देशाने राजीव गांधी सायन्स अँड टेक्नॉलॉजी, नेहरू सायन्स सेंटर मुंबई आणि वारणा सायन्स अँड इनोव्हेशन ॲक्टिव्हिटी सेंटरच्या माध्यमातून जिल्ह्यातील विविध तालुक्यांतील शाळा-शाळांत विद्यार्थ्यांपर्यंत मोबाईल सायन्स एक्झिबिशन (व्हॅन) पोहोचत असून, ती पाहण्यासाठी विद्यार्थी मोठ्या संख्येने गर्दी करीत आहेत. आजपर्यंत ३० हजार विद्यार्थ्यांनी सहभाग नोंदविला.

या प्रदर्शनात न्यूटन्स लॉ ऑफ मोशन, वायुमंडलीय दबाव, बल, गुरुत्व, घर्षण, प्रकाशाचे गुणधर्म, मालिका आणि समांतर परिपथ

यासारख्या बऱ्याच संकल्पना उपकरणांच्या माध्यमातून सर्वासमोर मांडल्या जात आहेत. तसेच विद्यार्थ्यांच्या सहभागाने वेगवेगळे वैज्ञानिक उपक्रम केले जात आहेत.

आतापर्यंत पन्हाळा, शाहूवाडी, शिराळा, हातकणंगले, शिरोळ तालुक्यांतील ५० शाळांतील ३० हजारांहून अधिक विद्यार्थी आणि शिक्षकांनी या व्हॅनचा लाभ घेतला असून, येत्या काही दिवसांत कोल्हापूर जिल्ह्याच्या उर्वरित सर्व तालुक्यांतील प्रमुख शाळांमध्ये ती उपलब्ध केली जाणार आहे.

व्हॅनचा लाभ जास्तीत जास्त विद्यार्थ्यांनी घेऊन आपल्या वैज्ञानिक संकल्पनांना चालना द्यावी, असे आवाहन वारणा सायन्स अँड इनोव्हेशन ॲक्टिव्हिटी सेंटरचे प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोझा यांनी केले आहे.

## Annual Report (2018-19);

### SWVSM's Warana Science & Innovation Activity Centre, Warananagar

#### Mobile Science Exhibition Book Launching Ceremony:

The current MSE van and this book, which supplements the MSE exhibits, are primarily aimed in enhancing the understanding of school curriculum with experiments. These exhibits provide students an opportunity to experiment and learn by experimentation basic concepts of Science and Mathematics that form a part of the school syllabus. The aim was to spike students' interest in Science and Technology

Based on such outstanding response that the Nehru Science Centre's Mobile Science Exhibition has been received in Kolhapur & Sangli district with the help of WSIAC, Nehru Science Centre, Mumbai have honoured us by organizing Mobile Science Exhibition Book launching ceremony at WSIAC on Monday, 18<sup>th</sup> February 2019 by the auspicious hands of Dr. Anil Kakodkar, Chairman, Rajiv Gandhi Science & Technology Commission, Govt. of Maharashtra & Dr. Vinayji V. Kore, President, Warana Cooperative Industrial & Educational Complex, Warananagar in the auspicious presence Shri Shivaprasad M. Khened, Director, Nehru Science Centre, Mumbai, Dr. Arun Sapre, Advisor, Rajiv Gandhi Science & Technological Commission, Govt. of Maharashtra & Dr. Vasanti Rasam, Admin Officer, SWVSM, Warananagar

#### Photos:



Welcome by **Dr. Mrs. Vasanti Rasam**



**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Felicitation of Dr. Anil Kakodkar by Dr. Vinayji V. Kore (Saavkar)



Experience sharing about WSIAC and hosting curriculum based MSE by Dr. John Disouza

**Annual Report (2018-19);**

**SWVSM's Warana Science & Innovation Activity Centre, Warananagar**



Address by **Dr. Anil Kakodkar**



Presidential remark by **Dr. Vinayji Kore (Saavkar)**



Science fiction audience

Media Coverage:

**लोकमत**

**अनिल काकोडकर : वारणानगर येथे मोबाईल सायन्स एक्झिबिशनचे प्रकाशन**

# भारत तंत्रज्ञानात बलाढ्य होईल

लोकमत न्यूज नेटवर्क

वारणानगर : प्रत्येकाने वैज्ञानिक दृष्टिकोन डोक्यांसमोर ठेवून नवनवीन तंत्रज्ञान आत्मसात करायला पाहिजे. आपला देश आज सर्व बाजूंनी भक्कम असून अत्याधुनिक चांगली यंत्रसामग्री, शस्त्रे तोडीसतोड आहेत. वैज्ञानिक दृष्टिकोन, तंत्रज्ञान निर्मिती, मनुष्यबळ निर्माण या गोष्टी अमलात आणल्यास भारत तंत्रज्ञानात बलाढ्य देश म्हणून पुढे येईल, असे प्रतिपादन राजीव गांधी सायन्स अँड टेक्नॉलॉजी विभागाचे अध्यक्ष व ज्येष्ठ अणुशास्त्रज्ञ डॉ. अनिल काकोडकर यांनी केले.

वारणानगर येथे सोमवारी नेहरू सायन्स सेंटर (मुंबई) आणि वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर यांच्यावतीने आयोजित समारंभात 'मोबाईल सायन्स एक्झिबिशन' या पुस्तकाचे प्रकाशन अणुशास्त्रज्ञ डॉ. अनिल काकोडकर व डॉ. विनय कोरे यांच्या हस्ते झाले.

अध्यक्षस्थानी वारणा समूहाचे प्रमुख डॉ. विनय कोरे होते. प्रारंभी जम्मू-काश्मीर (पुलवामा) येथे दहशतवादी हल्ल्यात शहीद झालेल्या जवानांना श्रद्धांजली वाहण्यात आली. वारणा शिक्षण मंडळाच्या प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी पाहण्याचे स्वागत केले. प्रास्ताविकात प्राचार्य डॉ. जॉन डिसोजा यांनी नेहरू सायन्स सेंटर व वारणा सायन्स सेंटरच्या कार्याची माहिती दिली.

डॉ. विनय कोरे म्हणाले, वारणा सायन्स सेंटरच्या मोबाईल व्हॅन उपक्रमास जिल्ह्यात मोठा प्रतिसाद मिळाला. शालेयस्तरावर विज्ञानाची आवड निर्माण व्हावी यासाठी नेहरू सायन्स सेंटरचा उपक्रम महत्त्वपूर्ण ठरला आहे. विद्यार्थी-युवापिढीने विज्ञानाबद्दलची इच्छाशक्ती ठेवावी.

सायन्स मोबाईल व्हॅन शहराबरोबरच ग्रामीण खेड्या-पाड्यात पोहोचली आहे. शालेय स्तरावर मुलांना विज्ञानाची तंत्रज्ञानाची गोडी लागावी यासाठी ही व्हॅन गावोगावी जात आहे. एक लाखहून विद्यार्थ्यांनी या सायन्स व्हॅनला भेट दिली आहे.

त्याचा फायदा घेणाऱ्या काळामध्ये निश्चितच होईल अशी अपेक्षाही कोरे यांनी व्यक्त केली.

यावेळी नेहरू सायन्सचे संचालक डॉ. शिवप्रसाद खेनीड, सदस्य सचिव डॉ. अरुण सप्रे, सदस्य उमेशकुमार, विनोद सोनवणे, संजय पांचाळ, संजय महाकाल आदी उपस्थित होते. प्रा. मार्क मोनिस व प्रा. शिल्पा पाटील यांनी सूत्रसंचालन केले तर प्राचार्य डॉ. जॉन डिसोजा यांनी आभार मानले.

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