

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, 24th 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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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 संचलित

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...!!!

एकदा अदभुत
भेट द्या..



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: ०२३२८-२२३५०१, मोबाइल: ७७९८८८५०५०, ९४२१७७०२१८
E mail: waranasiac@gmail.com

Onkar Graphics 9822524745

Dignified Personalities Visited the Centre:

Date	Name & Designation	Comments
31/05/2018	Mr. Prajyot Nair, 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	Dr. V. A. Jagtap	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	Dr. Vandana B. Patravale 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	Mr. Amaresh Sawant	He expressed WSIAC as a one of the most innovative, inspiring centre.
23/06/2018	Mr. Guruprasad Sawant	He noticed the WSIAC as wonderful initiatives and well maintained facility for next generations in the rural area.
23/06/2018	Mr. Sanket Save	He expressed that the WSIAC is excellent resource for the build-up of fundamental concepts of the science among the students.
23/06/2018	Mr. Sanket Waiker	He mentioned that the WSIAC labs are very well maintained which will encourage the students to learn the science.
29/06/2018	Dr. S. K. Nerle	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	Dr. Jayant Bhinge	He expressed the WSIAC as a centre of excellence

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25/08/2018	Dr. Ashok Hajare	He felt awesome to see such an amazing facility in this part of area.
05/09/2018	Mr. D. K. Lamture	He mentioned the centre as an excellent with very nice facilities available in the different labs.
04/10/2018	Mr. H. P. Naiknaware	He experienced an excellent opportunity for school students of rural India.
17/10/2018	Dr. D. A. Bhagwat	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	Mr. D. P. Mali	He briefed that the WSIAC as a good initiatives to understand the science by the students.
13/11/2018	Mr. Rajkumar Patil	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	Dr. U. R. Shinde	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	Dr. Alok Prakash Mittal 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	Mrs. Geeta Zaveri	She felt that the centre is very excellent, innovative.
06/01/2019	Mrs. Paloma Madgulkar 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	Mr. Vinayak Karnik 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	Dr. Bhushan Chaudhari 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	Dr. S. G. Belapure 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	Mr. E. V. Kale	He expressed that the science centre is very useful for students in rural area.
16/03/2019	Mr. Sanjay Khurd	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	Dr. Yojana Patil HOD, Public Health Dentistry Dept., Tatyasaheb Kore Dental College, Warananagar Dr. Priyanka Purohit, Dr. Adwait Deshpande	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	Dr. Praveen Rahi, 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	Dr. Yash Sultania	He felt that the WSIAC will usefull to boost science interest among the students.
16/04/2019	Dr. A. J. Shinde	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:

Sr. No.	Book Name	Publisher	Supplier	No. of copies
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 21st 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, (20th July, 2018)
2. Breastfeeding Awareness Campaign on the occasion of World Breastfeeding Week (1st to 7th August, 2018)
3. Botanical Tour to Ramtirth Premier, Ajara (9th September, 2018)
4. Elocution and Essay Writing Competition on 'Eco-friendly Ganeshotsav' on the occasion of Ganesh festival (11th September, 2018)
5. Video Presentation and Quiz Competition on the occasion of World Space Week (6th October, 2018)
6. D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24th October, 2018)
7. Sky Gazing Programme in Collaboration with IUCAA, Pune (15th & 16th December, 2018)
8. Exhibition on 'World of Measurements' & Student's Workshop on 'Vedic Mathematics' on the occasion of World Mathematics Day (21st to 23rd December, 2018)
9. Child Rearing & Health Programme (11th January, 2019)
10. Poster Presentation Competition on 'Addiction & Cancer' on the occasion of World Cancer Day (6th February, 2019)
11. Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day (20th March, 2019)
12. Pharmacy Students Workshop on 'Foldscope: A Tool to Learn Pharmaceutical Microbiology' (5th April, 2019)
13. 3 Days Student's Workshop on 'Toys from Trash' (15th to 17th April, 2019)
14. Mobile Science Exhibition (18th July to 11th September, 2018 & 22nd November to 18th February, 2019)

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



Registration
Deadline:
16th July, 2018

No Entry
Fees



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: 5th to 7th Standard, 8th to 10th 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

लोकसंख्येचा विळखा



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

:Poster:
Tatyasaheb Kore College of Pharmacy, Warananagar

:Day & Date:
Friday, 20th July, 2018;
10.00 am onward

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

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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 - 5th – 7th Std.

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

Senior Group - 8th – 10th Std.

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

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Poster Presentation Competition Result:

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

Photos:



Participants in elocution competition

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Participants presenting poster



Welcome address by Dr. John Disouza

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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
(1st to 7th 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:

Sr. No.	Name of Staff	Name of Hospital	Date
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 (9th 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 शास्त्रज्ञ डॉ मधुकर बाचुळकर 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, मुरूड शेग, अशा वेगवेगळ्या वनस्पती व त्यांचे गुणधर्म या विषयी माहीती दिली. या रामतीर्थ मंदिर परिसरात एक कोल्हापूर



जिल्हात दुर्मिळ असे वडाचे वटवृक्ष आढळले या वटवृक्षाला पारब्या नसुन लाल फळांपेवजी या पानाचा आकार टोकदार आहे. त्या वृक्षाला वनस्पती शास्त्रज्ञ



फायकस मैसुरीसिस वृक्ष म्हणून संबोधतात असे डॉ बाचुळकर यांनी

सांगितले.



आम्ही आजूकन या बॉटसफ गुर्फने या सहलीचे निवोजन केले होते.

आलेल्या पाहण्याचे स्वागत डॉ बाचुळकराचे स्वागत डॉ अनिल देशपांडे यानी केले.


या सहलीला डॉ. जॉन डिसुझा, डॉ. अंजली देशपांडे, डॉ. सुरजीत पांडव, डॉ. अनिता डिसुझा, डॉ.दिपक सातुसकर, समीर देशपांडे (पत्रकार) सुधीर मुंज, सुरेश पत्की, अशोक सादले, प्रथमेश काणेकर, अभिषेक रोडगी, डॉ प्रविन निबाळकर सह इतरानी या सहलीसाठी परिश्रम झ्येतले. अंभार अभिषेक रोडगी यानी मानले.

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



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 & Essay Writing Competition
(For School and College students)
Groups: 5th to 7th standard, 8th to 10th 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, 08th
Sept, 2018



No Entry
Fees

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

-: DAY & DATE :-
Tuesday, 11th 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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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 st
Ms. Manshvi Patil	Tatyasaheb Kore English Academy, Warananagar	2 nd
Ms. Vaibhavi Borate	Jakhale Highschool, Jakhale	3 rd

Senior Group:

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

College Students:

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

Essay Writing Competition Result:

Junior Group:

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

Senior Group:

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

College Students:

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

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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Essay writing competition prize distribution



Dignitaries with rankers

Media Coverage:

सकाल

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 डिसोजा, तात्यासाहेब कोरे अभियांत्रिकीचे प्राचार्य डॉ. एस्. 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. एस्. व्ही. आणेकर, प्राचार्य डॉ. जॉन डिसोजा 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), शर्लिन 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).

**Video Presentation and Quiz Competition on the occasion of World Space Week
(6th 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. 4th October to 10th 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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Prize distribution ceremony

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D. Ed Teacher's Workshop on activity kits developed by Vigyan Prasar, Department of Science & Technology, Govt. of India (24th 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

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Delegates observing scientific exhibits

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



-: VENUE :-

Warana Science & Innovation
Activity Centre, Warananagar

-: DAY & DATE :-

Saturday, 15th 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 (15th Dec.) TO 00:30 AM (16th 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



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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 15th December, 9.00 PM onwards till 16th 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 15th 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



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 इनोव्हेशन 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
(21st to 23rd December, 2018)



Last Date of Registration for Workshop
21th Dec. 2018
No Entry Fees

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

-: DAY & DATE :-
Exhibition
10.00 AM - 5.00 PM
21st - 23rd December;
Student's Workshop
8.30 AM - 12.00 PM
22nd 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...

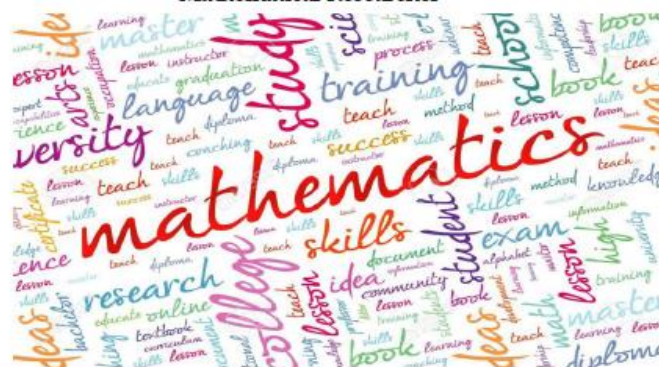
How to measure the **Diameter of Earth..**
How **Mounts of Carla Bitter..**
How to measure **Happiness & Sadness..**
How to measure the **Depth of Ocean..**
Etc...
&
Student's Workshop

Vedic Mathematics

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

Resource Person

Mr. Deepak M. Shete
Mathematical Researcher



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Activity Report:

On the occasion of National Mathematics Day i.e. 22nd 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

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SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Child Rearing & Health Programme (11th January, 2019)

Activity Report:

Child rearing & health programme was conducted by Warana Science & Innovation Activity Centre in association with WSIAC's Science Club on 11th 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

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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 (6th 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
3rd February, 2019
No Entry Fees

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

-: DAY & DATE :-
Wednesday
6th 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

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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 st
Ms. Vaishnavi Patil Ms. Prajakta Patil	Y. D. Mane Institute of Pharmacy, Kagal	2 nd
Ms. Sonali Koli	Bharati Vidyapeeth College of Pharmacy, Kolhapur	3 rd

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Photos:



Participants presenting their posters



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

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Felicitation of evaluators **Mr. Vikram Potdar**



Prize distribution ceremony

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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 अँक्टिव्हिटी सेंटर आणि डब्ल्यूएसआयएसी सायन्स क्लबतर्फे पोस्टर प्रेझेंटेशन स्पर्धेत अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी आष्टाच्या आफरीन जमादार, रुकैय्या 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

**Guest Lecture on 'Oral Health' on the occasion of World Oral Health Day
(20th 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 20th March, 2019 for 8th 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' (5th 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

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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 useful 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

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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**

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Dr. Rahi answering the quires asked by the students

3 Days Student's Workshop on 'Toys from Trash'
(15th to 17th 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 6th, 7th & 8th 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, 8th April 2019

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



Schedule

Monday 15th to Wednesday 17th 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**

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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 15th April to Wednesday 17th 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

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Participant performing activity using toy



Participants with prepared air bag



Sky gazing programme



Balloon car race

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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, बर्नॉली 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.

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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 that 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 18th July - 11th September, 2018 and 22nd November, 2018 – 18th 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 भेटासाठी 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 माध्यमातून प्रत्यक्षमेरे मांडल्या जाणार

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, सार्वटिफिक 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
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लोकमत



नेहरु 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, नेहरु 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.

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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, 18th 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**

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



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

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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. यावेळी डॉ. अरुण सप्रे, डॉ. वासंती रासम, डॉ. शिवप्रसाद खेनीड, प्राचार्य डॉ. जॉन डिसोझा, आदी उपस्थित होते.

पुस्तकाचे प्रकाशन काकोडकर 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 पाहुण्यांचे स्वागत केले. प्रास्ताविकात प्राचार्य डॉ. जॉन डिसोझा 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 येणाऱ्या 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 डिसोझा यांनी आभार मानले.

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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 'नव मानवा 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 V. Kore (Saavkar)**, President, Warana Co-op. Industrial & Educational Complex; the commitment of Hon. Dr. Mrs. Vasanti Rasam, Administrative 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 K. G. 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. W. M. 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 nuclear scientist **Hon. Dr. Anil Kakodkar** on **Friday, 24th 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 **Hon. 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 inventions and 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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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 three years after inauguration, the WSIAC reached among 1000+ schools & colleges of the Maharashtra. Till the date 23250+ visitors in which 17000+ students had visited the centre. The scientific Officers of WSIAC had attended training program/ conferences organized by Vigyan Prasar, New Delhi; Homi Bhabha Centre for Science & Education; Nehru Science Centre; Marathi Vidnyan Parishad, Mumbai, etc. reputed institutions.

श्री वारणा विभाग शिक्षण मंडळ संचलित

वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर, वारणानगर

राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन
महाराष्ट्र शासनाचा उपक्रम..

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

इनोव्हेशन अॅक्टिव्हिटी 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 अॅक्टिव्हिटी 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 अॅक्टिव्हिटी सेंटर, वारणानगर

तालुका: पन्हाळा, जिल्हा: कोल्हापूर, (महाराष्ट्र) ४१६ ११३, फोन: ०२३२८-२३३५०१, मोबाइल: ७७९८८८५०५०, ९४२१७७०२१८
E mail: waranasiac@gmail.com

Onkar Graphics 9822524745

Dignified Personalities Visited the Centre:

Date	Name & Designation	Comments
10/05/2019	Prof. S. V. Ingale Professor in Mathematics. New Arts, Comm. & Science College, Ahmednagar (M.S.)	He mentioned that very nice scientific models present in the lab are useful to clear the concepts of students and teachers.
07/06/2019	Mr. Kamalakar Mahamuni Inspector, Central region, Rayat Shikshan Sanstha	He experienced wonderful development and maintenance of SIAC. The lab activities could motivate students regarding science.
07/06/2019	Dr. Sudhir Kumbhar Co-ordinator Rayat Vigyanparishad	He experienced nice arrangements and a demonstration of lab activities.
07/06/2019	Mr. Sachin Ghadge Building Supervisor, Rayat Shikshan Sanstha	He felt additional infrastructure of SIAC very nice.
07/06/2019	Shri. A. B. Gaikwad H. M., Rayat Rayat Shikshan Sanstha	He briefed SIAC as an excellent centre for the progress of students.
07/06/2019	Shri. A. G. Potdar Principal, Mahatma Gandhi Vidyalaya, Umbraj	He mentioned the centre as an excellent with very nice facilities available in the different labs.
07/06/2019	Dr. B. T. Jadhav Principal, Y. C. College, Satara	He experienced nice and clean arrangement in the SIAC.
10/06/2019	Mr. Nitin Kumar Coordinator, SDNx Innovation Labs	He mentioned that a place is perfect for science and innovation. Also, it is a well-managed place for science activities and one can explore a lot of opportunities with this centre.
17/06/2019	Dr. Mrs. N. M. Bhatia Prof. & Head of BVCP, Kolhapur	She experienced amazing exhibits. She also briefed this project as extraordinary for creating interest in science for children of all ages.
22/07/2019	Mrs. Shanti Pise Senior teaching associate, IISER, Pune	She experienced nice arrangement of the overall project.
22/07/2019	Shri. Sharad Godse President, Vigyanvahini	He mentioned that the centre is very useful to create enthusiasm regarding science and mathematics in the teachers and students through the

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		workshop.
23/07/2019	Dr. Mahesh Burande Hon. Director at Institute of Pharmaceutical Education and Research, Pune	He was inspired to see innovative approaches in the SIAC useful to clear concepts in the students.
23/07/2019	Prof. S. A. Kharade Director, BSSK, Bhogaon	He felt SIAC as an excellent and informative centre.
23/07/2019	Shri. Shivajirao Karande Director, BSSK, Bhogaon	He learned a very good knowledge of science through the exhibits.
27/07/2019	Mr. Manoj Mahajan IAS	He experienced innovative and unique kind of experiments in the centre and suggested to spread it to each student of rural area.
09/09/2019	Mr. Bhushan Patil President at Paytm & Paytm Mall	He was so impressed and mentioned that this activity centre is very useful to the next generation. Also, such type of activities helps to build a bright future of students.
09/09/2019	Shri. Umesh D. Joshi Asst. Prof., SKCOP, Kasabe Digraj	He briefed that this science centre is very good to learn the science concept. Also, it will help young scientists to solve the problems related to science.
09/09/2019	Mr. Vishwajeet Khade Project Manager, Rabbitntortoise Entertainment Pvt. Ltd Pune	He felt amazing by seeing the infrastructure and facilities in the SIAC.
14/09/2019	Prof. N. R. Jadhav Prof.& Head, BVCP, Kolhapur	He mentioned SIAC as an excellent place for the budding scientists.
14/09/2019	Mr. Shrenik Kole Asst. Director of Lupin Pharmaceuticals, Inc., Pune	He expressed that the science centre is very innovative and creative. The basic concepts are explained and demonstrated very nicely through the exhibits.
04/10/2019	Mr. S. B. Shelake Executive Director, Toyota Engineering India Pvt. Ltd.	He experienced excellent and clean labs and enjoyed science learning through different experiments.
11/10/2019	Dr. V. S. Mannur Prof. KLE College of Pharmacy, Belgavi	He felt that the science centre of good worth not only for students but also for the teachers and society.

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11/10/2019	Dr. K. R. Jadhav Vice Principal, BVCP, Navi-Mumbai	He experienced science learning through funny models.
22/10/2019	Dr. S. N. Dhole Prof. and HOD, PES Modern College of Pharmacy, Pune	He mentioned that the centre is excellent for knowing the principles of science through the activity. He has seen first-time such type of labs to clear the science concepts through simple toys and models.
06/11/2019	Dr. S. B. Patil Asst. Prof., Dept. of Chemistry, The oxford college of science, Bangalore	He has seen the first-time such type of superb, excellent science centre for the benefits of students in the rural area.
06/11/2019	Mr. S. T. Galatage Asst. Prof., SGCOP, Mahagaon	He learned the mind blowing concepts first-time in simple way through different models.
06/11/2019	Mr. V. B. Metkari Asst. Prof., ADCP, Vita	He mentioned that the awesome activities in different labs are really useful to clear the basic concepts in science.
07/11/2019	Mr. V. S. Marulkar Asst. Prof., AGCOP, Satara	He got excellent experience after visiting the centre.
20/11/2019	Dr. P. K. Patil Principal, A. B. College of Education, Sangli.	He got excellent information about science through kinds of exhibits.
09/12/2019	Dr. Prabhat Mishra Principal Scientist in the department of Pharmaceutics CSIR-Central Drug Research Institutes	He mentioned that the science centre is one of the platforms for the students to learn concepts through activities.
10/12/2019	Prof. P. R. Vavia Prof. &Head, ICT, Mumbai.	He was impressed and surprised to see such type of innovative centre in the rural area.
11/12/2019	Dr. Mrs. Madhur Kulkarni Asso. Prof. & HOD, SCES's Indira College of Pharmacy, Pune	He mentioned that this centre is an excellent initiative taken by Warana to fulfil the quest of science in the students of rural areas.
11/12/2019	Dr. Amarjitsingh Rajput	He expressed WSIAC as an initiative to clear the science concepts practically through different exhibits.

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12/12/2019	Dr. Hetal Thakkar Prof., The M. S. University of Baroda	She expressed this project as an approach of igniting young minds and inspiration to them. Surely, the centre would create budding scientists for our country.
12/12/2019	Mrs. N. S. Wani Research Scholar, ICT, Mumbai	She expressed the centre as speechless, fantastic efforts for young minds for exploration and development in the rural areas.
12/12/2019	Dr. Vikas Jain Asst. Prof., JSS College of Pharmacy, Mysore	He mentioned that WSIAC will provide young innovative minds to understand the science concepts and their applicability in day to day life.
13//12/2019	Dr. A. Rajani HOD and Prof., KMK College of Pharmacy, India	He briefed that this centre as one of the good initiatives taken by the Warana for the proper development of students in rural areas.
13//12/2019	Dr. Basavraj Nanjwade Principal Scientist, Trroy Life Sciences Pvt. Ltd, Bangaluru	He expressed that the science centre is very useful for students in rural area.
14/12/2019	Dr. Sameer Naik Manager, Serum Institute of India Ltd., Pune	He expressed that SIAC as a learning experience for young minds that will ignite the inquisitiveness in aspiring scientists.
14/12/2019	Mrs. Snehal Patil Associate Scientist, Lupin Research Park, Pune	She briefed that – this centre is an excellent way to learn science and maths through fun and games.
15/12/2019	Shri. Satish Mutteparwar Unit Head, Cipla Goa	He briefed that the WSIAC as a good initiatives to understand the science by the students.
18/12/2019	Prof. A. V. Patwardhan Prof., Dept. Chemical Engineering, ICT, Mumbai	He mentioned the science centre has highly favourable environment for learning, teaching and research.
31/12/2019	Mr. Yogesh Mahadar Sr. Manager, Engineer India Ltd.	He experienced very good and expressed that activity based learning of science is possible through different labs of WSIAC.
11/01/2020	Dr. S. K. Mohite Prof. RCP, Kasegaon	He expressed that this project is a very good idea for the progress of students in rural areas.

11/01/2020	Prof. C. D. Lokhande Research Director and Professor, D. Y. P. University, Kolhapur	He was very much impressed by seeing the different activities in the labs. He mentioned that the WSIAC labs are very well maintained which will encourage the students to learn the science.
11/01/2020	Dr. R. N. Bulakhe Postdoctoral fellow, Yeungnam University, Korea South	He was very much impressed by seeing WSIAC. He appreciated John sir for their hard efforts.
15/01/2020	Shri. O. A. Patil Assist. Engineer PWD, Govt. of Maharashtra.	He expressed that the centre will be helpful to create interest in the science in the students as well as for the development of students in the rural areas.
18/01/2020	Mr. Chaitanya Kolhatkar Founder/Partner at The Parking Scout, Mumbai	He felt very amazing and inspired much by seeing the WSIAC.
05/02/2020	Dr. H. N. More Principal, BVCP, Kolhapur.	He felt very wonderful and expressed that establishing such an activity-based science centre is of great importance for all younger students especially from rural areas.
05/02/2020	Shri. M. S. Gune Marketing Director, SG Phyto Pharma Pvt. Ltd., Kolhapur	He expressed that it was worth visiting the science centre. It is really amazing to notice, observe things in science. This concept is extraordinary for children of different age groups. The centre will definitely improve the skills of students and help them to become scientists.
05/02/2020	Dr. S. S. Taklikar Research Officer, SG Phyto Pharma Pvt. Ltd., Kolhapur	He briefed that students from rural areas will get benefited from this science centre. Moreover, audio visual impact will cause the exact percolation of the concepts.
15/02/2020	Dr. V. K. Chatap Asst. Prof., Dept. of Pharmaceutics, H. R. Patel IPER, Shirpur	He noticed that understanding of the scientific concept is very easy through the different models available here.
15/02/2020	Dr. S. S. Thorat Head, Dept. of Food Science & Tech. MPKV, Rahuri	He noticed that WSIAC is very functional in terms of the exhibits and other models.

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24/02/2020	Dr. Kanchanganga Gandhe Ex. Professor, Botanical Department, Pune	She learned basic concepts of the science through the simple exhibits and experiments.
05/03/2020	Mr. S. V. Khadake Lecturer, G. P., Pune	He felt very nice and expressed that centre is doing good activities for clearing science concepts of students in the rural areas.
05/03/2020	Dr. N. G. Kulkarni HOD, G. P., Pune.	He mentioned that this centre is taking great efforts for the popularization of science in rural areas.

Memories:



Mr. Govind Yadav & Mr. Nitin Kumar (10/06/2019)

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Dr. Mahesh Burande (23/07/2019)



Mr. Sidharth Pandit, Mr. Chetan Dodvad, Mrs. Gauri Salvekar, Mrs. MeghaPowar (28/08/2019)

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Prof. Dr. Vandana Patravale & Dr. Prabhat Mishra (09/12/2019)



Prof. Dr. P. R. Vavia (10/12/2019)

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Dr. H. N. More (05/02/2020)



Shri. M. S. Gune & Dr. S. S. Taklikar (05/02/2020)

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Shri. A. S. Bhosale (07/02/2020)



Dr. S. S. Thorat, Dr. Umesh Sharma, Dr. V. K. Chatap (15/02/2020)

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Dr. N. G. Kulkarni, Mr. S. V. Khadake (05/03/2020)

List of Experiments provided by HBCSE, TIFR:

1. Reflection of light on Convex and Concave Mirror
2. Types of Leaver
3. Formation of Molecule
4. Types of Base and Compound
5. Study of Fermentation process
6. Study of dust in Air
7. Floating of egg in liquid having different density
8. Measuring thickness of Cable
9. Separation of ingredients in mixture
10. Fusion process
11. Study of starch process
12. Study of ingredient in Aliment
13. Study of relation between Force and Pressure
14. Study of Magnetic Field
15. Separation of Solid and Liquid using Filtration process
16. Study water electrical decomposition
17. Study of Heart capacity and Heartbeat
18. Generation of static electricity
19. Contraction and diffusion of Air
20. Crystal formation of matter
21. Production and Testing of Oxygen
22. Study of water supply through plant trunk
23. Study of Evaporation process in plants

Purchase of Activity Kits from Marathi Vidnyan Parishad, Mumbai:

Sr. No.	Item	Total
1.	Activity kits for conduction of 'शनिवारीविज्ञानवारी'	33

Honour by Vigyan Prasar:

Vigyan Prasar (VP) is an autonomous organisation under Department of Science and Technology, Govt. of India. 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 21st June 2018, Vigyan Prasar permitted SWVSM's Warana Science & Innovation Activity Centre 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. In academic year 2018-19, more than 12 activities have been successfully conducted by the WSIAC under this club. Evaluating the monthly submitted reports, Vigyan Prasar honoured WSIAC's VIPNET CLUB with National Level '**BRONZE CLUB**' Category for the year 2019.

Consistently, in academic year 2019-20 also WSIAC's VIPNET CLUB continued its habit of conducting various activities with the aim of scientific vigilance among every stakeholders of the society and motivating them with technical guidance. '**Health Check-up Camps and Disinfection Process**' in flood affected area, '**शनिवारीविज्ञानवारी**', one act play '**Einstein**', etc. are the few to be mentioned. The betterment of serving the society with scientific exploration stopped suddenly due to preventive lockdown announced by Govt. of India to avoid COVID-19 pandemic. Till March 24, 2020, WSIAC's VIPNET CLUB was ready 14 activities conducted in same academic year. And again based on assessment of the monthly submitted reports, Vigyan Prasar honoured WSIAC's VIPNET CLUB with '**GOLD CLUB**' Category by announcing club gradation at National Level and appreciated the constant effort of science popularization. Unfortunately, certificate of the same was not distributed by VP due to Covid-19 pandemic.

Certificate:



List of activities organized by WSIAC:

1. Yoga Practice on the occasion of International day of Yoga (Friday, 21 June, 2019)
2. Guest lecture on 'दक्षिणायनारंभ' (Saturday, 22 June, 2019)
3. Radio Broadcasting on 'विज्ञानजगत-औषधसाक्षरता' (Sunday, 16 June, to Thursday, 4 July, 2019)
4. Elocution & Poster Presentation Competition on '**Population Explosion**' (Wednesday, 10 July, 2019)
5. Skit Competition on '**Drug Abuse and Our Health**' (Saturday, 13 July, 2019)
6. Teacher's Training Workshop on '**Concepts in Physics and Mathematics**' in collaboration with Vigyan Vahini (Monday, 22 July, 2019)
7. '**Health Check-up Camp**' and '**Disinfection Process**' in flood affected area (Thursday 8 to Saturday 17 August, 2019)
8. Poster Presentation, Essay Writing & T-Shirt Painting Competition on '**Safe & Effective Medicine for all**' (Wednesday, 25 September, 2019)
9. Poster Presentation Competition on '**Aero Satellite**' in Collaboration with Space Development Nexus(Saturday, 12 October, 2019)
10. Maths Model Exhibition on '**Fun Fair in Mathematics-2019**' (Thursday, 26 December, 2019)
11. One Act Play on '**Einstein – Sapekshata Sangnara Manus**' (Tuesday, 28 January, 2020)
12. **SDNx Abdul Kalam National Space Competition** in Collaboration with Space Development Nexus (Saturday, 8 February, 2020)
13. Public Talk on 'आपलेवृक्ष... आपलीसंस्कृती...' (Monday, 24 February, 2020)
14. 'शनिवारीविज्ञानवारी' in collaboration with Marathi Vidnyan Parishad, Mumbai
(Monday, 16 September, 2019 to Saturday, 7 March, 2020)

Yoga Practice on the occasion of International day of Yoga

(Friday, 21 June, 2019)

Activity Report:

Since 2015, every year '21 June' is celebrated as International Day of Yoga in world. To create awareness about benefits of yoga on body and mind to face variable natural conditions and to live stress-free life, Yoga day is celebrated. With this aim WSIAC's Science Club in collaboration with Warana Science & Innovation Activity Centre, Warananagar had organized workshop on Yoga in which participants were guided by Mr. Digvijay Jadhav & Mrs. S. S. Gaikwad, Yoga teachers. On same day at SWVSM's Tatyasaheb Kore College of Pharmacy and SWVSM's Yashwantrao Chavan Warana Mahavidyalaya, Warananagar, the sessions were conducted.

Approximately from 21 June every year, summer solstice starts in which sun starts to revolve from North to South. This is another and important fact with perspective of Yoga i.e. best time for meditation. That is the reason of celebration of Yoga day on 21 June.

Mr. Jadhav highlighted that, daily Yoga practice helps to overcome all health related problems. Physical and Mental health fitness is maintained by Yoga. Mrs. Gaikwad mentioned that Yoga helps us to deal with climate change. Muscles and all body parts gets strengthen by Yoga which improves immunity level of the person. By daily practice of Yoga respiration process becomes healthy and metabolism is balanced.

For these sessions, more than 250 participants were present. These sessions would help all the participants to improve their day-to-day physical and mental life.



Celebration of International Yoga Day

Guest lecture on 'दक्षिणायनारंभ'

(Saturday, 22 June, 2019)

Activity Report:

Summer solstice and Winter solstice are the two important geographical events takes place every year. To know the scientific reason behind how and why it takes place, how it affects our day-to-day life, etc. and to find the answer for quires like this, SWVSM's Warana Science & Innovation Activity Centre in collaboration with WSIAC's Science Club was organized guest lecture on 'दक्षिणायनारंभ' for 7th and 8th standard students at Jakhale High school, Jakhale. Dr. Santosh G. Jambhale, Ass. Prof, SWVSM's Yashwantrao Chavan Warana Mahavidyalaya, Warananagar was the chief speaker for the lecture.

Our Solar system, facts about solar system, changes of season, Rotation and Revolution of the Earth, various geographical situations of Earth in year, etc. topics were explained during the lecture. What is solar system, how & why all planets revolve around Sun, etc. points were presented by video presentation. He discussed about every planet's mean distance from Sun, period of revolution, period of rotation, no of satellites for each planet points were covered. He mentioned 150 Million km of Earth's distance from the Sun, for which Earth takes 365 days for revolution and 24 hrs for rotation. Dr. Jambhale highlighted the 23.50 tilted earth's axis i.e. North Pole towards the sun is the major reason behind the majority of the geographical events. He described the difference between actual duration of Earth's rotation i.e. 23 hr, 56 min & 4 sec and consideration of 24hrs and the solution, leap year after every 3 year. Situations of Earth like spring equinox approx. on 20th March, Summer solstice approx. on 21 June, autumn equinox approx. on 23 September and Winter solstice approx. on 21 December are the affections of 23.50 tilted earth's axis.

More than 125 students were present for the lecture. Visual presentation helped students for improving imagination power. This lecture would find useful to student for acquiring knowledge of various geographical events.



Dr. Santosh Jambhale presenting the videos



Students present for the guest lecture


Radio broadcasting on 'विज्ञानजगत – औषधसाक्षरता'

(Sunday, 16 June to Thursday, 4 July, 2019)

Activity Report:

To create awareness about Drug – history, origin, types, uses, regulations, etc. daily radio broadcasting was done in program 'विज्ञानजगत - औषधसाक्षरता' at All India Radio Air Akashwani Kolhapur – 102.7 MHz by Dr. John Disouza. He is the Principal Coordinator of SWVSM's Warana Science & Innovation Activity Centre, Warananagar.

Starting from drug's history, origin, types, use, regulations, etc. all the points were explained very amply by him. In the first episode, he started with 'History of Drugs'. In this, he mentioned all the traditional medicinal system of various countries like Ayurveda, Chinese, Arabic, Unani and indigenous. In second episode 'Origin of Drugs', Dr. Disouza described about various stages in drug development like research, analysis, experimentation, observations, etc. for development of drug. In his third episode 'Types of Medicine', he highlighted Traditional Indian System of Medicine, foreign medicinal system, its annual turnover etc. Fourth episode was on 'Information on Label of Medicine'. Brand name, generic name, contains with its concentration, storage methods; licence number, manufacturing & expiry date etc. points were explained. In fifth episode Dr. Disouza described about medical science in our daily life. Sixth episode was based on precaution to be taken at the time of purchasing of medicine from retail store, hospital and e-pharmacy. In his seventh episode on 'Drug's life journey', development of drug and its formation in dosage forms like tablet, syrup, lotion based on site of application were mentioned.



आकाशवाणी कोल्हापूर केंद्र
102.7 मेगा हर्ट्झ
विज्ञान जगत
औषध साक्षरता याविषयी प्राचार्य डॉ.
जॉन डिसूझा यांनी दिलेली माहिती
16 जून पासून दररोज सकाळी
8.40 वाजता

Law and regulations in pharmaceutical industry were explained in eighth episode. In this he highlighted that, there is no any law for e-pharmacy. Long term and short term effects of

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antibiotics & painkiller on our body were presented by him. In tenth episode, positive and negative effects of use of medicine on children, pregnant women & senior citizens were described. Drug-drug and Drug-food interactions were explained in eleventh episode. In twelfth episode, entire oral medication process with various doses forms was described. Medicines for external application and its preservation were highlighted in thirteenth episode. In next episode medicines applicable for organs like ear, nose and throat with its storage methodology was explained. On 30 June, broadcast on topic 'Medicine for inhalation and injection' will take place.

In fifteenth episodes, he highlighted about what is inhalers and injections and its proper use by patients and nurses. In sixteenth episode Dr. Disouza mentioned ameliorable use of medicines i.e. correct medicines with accurate doses in appropriate duration will effect positively otherwise it will harmful for body. In seventeenth episode he expressed importance recent advances in drug delivery systems.

From 16 June to 4 July, 2019 total 19 episodes were been broadcasted between 8.40 AM to 8.45 AM.

**Elocution & Poster Presentation Competition on
'Population Explosion' (Wednesday, 10 July, 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)



On the occasion of **World Population Day**, the Elocution & Poster Presentation competition is organized on topic;



Population Explosion

“ लोकसंख्येचा विळखा ”

No Entry fees **Registration Deadline:
6th July, 2019**

Elocution Competition

- (For School Students)
- Groups: 5th to 7th Standard, 8th to 10th Standard
- (Maximum 2 entries for each group from each school)
- Time allowed: 5 min ± 10 seconds
- Language: Marathi or Hindi or English
- Do not mention and reveal students and school name

VENUE → Warana Science & Innovation Activity Centre, Warananagar





Poster Presentation

- (For College Students)
- (Maximum 2 entries per college)
- Size 1 meter X 1 meter
- Handmade or Flex posters are acceptable
- Do not mention and reveal students and college name

VENUE → Tatyasaheb Kore College of Pharmacy, Warananagar

Day & Date **Wednesday, 10th July 2019;
10.00 am onward**

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

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Activity Report:

To create awareness among school and college students about increase in population and its effect on living & non-living things on topic '**Population Explosion**', Elocution & Poster Presentation Competition was organized by SWVSM's Warana Science & Innovation Activity Centre, in association with WSIAC's Science Club on Wednesday, 10 July, 2019 on the occasion of World Population Day.

In Elocution competition at WSIAC more than 55 students and in Poster Presentation Competition at SWVSM's Tatyasaheb Kore College of Pharmacy 10 groups of 2 students each were participated. How increase in population affects fulfilment of basic need on living things, excess use on non-decomposition objects, natural and humanitarian problems to be faced in future and possible precautions to be taken, etc. points were highlighted with impressive oration and fantastic posters developed by students. For Elocution Competition Dr. S. S. Khot & Dr. S. G. Jambhale and for Poster Presentation Competition Dr. R. B. Patil & Mr. K. S. Patil were the judges.

For the prize distribution ceremony at WSIAC, Mr. B. V. Birajdar, Principal, SWVSM's Tatyasaheb Kore Institute of Engineering & Technology – Polytechnic was the chief guest. In his chief guest address he congratulated the organizing committee for selection of such important issue of every human being. Before that, Principal Coordinator of WSIAC Dr. John Disouza introduced the purpose behind organizing such type of activities and appreciated all the participants.

Results:

- Elocution Competition – Group - 5th – 7th Std. -

Name of Participants	Name of School	Rank
Ms. Sai Umesh Jadhav	Vidyaniketan English Medium School, Sakharale	1st
Mast. Parth Vijay Kore	Tatyasaheb Kore Military Academy, Vinaynagar	2nd
Mast. Aditya Sujit Khot	Tatyasaheb Kore English Academy, Warananagar	3rd

- Elocution Competition – Group - 8th – 10th Std. -

Name of Participants	Name of School	Rank
Ms. Samiksha Sambhaji Atirkar	Tatyasaheb Kore English Academy, Warananagar	1st
Ms. Arati Ranjit Borate	Jakhale High school, Jakhale	2nd
Ms. Shubhlaxmi Rajendra Patil	Tatyasaheb Kore English Academy, Warananagar	3rd

- Poster presentation Competition – Group College Students -

Name of Participants	Name of College	Rank
Ms. Apurva Shipekar, Ms. Shubhangi Jadhav	Annasaheb Dange College of Pharmacy, Ashta	1st
Ms. Parvati Gugwade, Ms. Asiya J Dadel	Annasaheb Dange College of Pharmacy, Ashta	2nd
Mast. Omkar Patil Mast. Shravan Rajpure	Bharati Vidyapeeth College of Pharmacy, Kolhapur	3rd

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Elocution Competition



Poster Presentation Competition

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Welcome of Chief Guest



Felicitation of Examiners

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Prize distribution



Participants of Elocution Competition



Participants of Poster Presentation Competition

Media Coverage:

सकाळ

समीक्षा आतिरकर, अपूर्वा शिपेकर प्रथम

वारणा सायन्स क्लबतर्फे वक्तृत्व, पोस्टर प्रेझेंटेशन स्पर्धा

वारणानगर, ता. ११ : वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर व वारणा सायन्स क्लबतर्फे जागतिक लोकसंख्या दिनानिमित्त शालेय विद्यार्थ्यांसाठी वक्तृत्व स्पर्धा आणि महाविद्यालयीन विद्यार्थ्यांसाठी पोस्टर प्रेझेंटेशन स्पर्धा झाल्या.

वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटरचे प्राचार्य डॉ. जॉन डिसोझा यांनी आशा स्पर्धांचा विद्यार्थ्यांना होणारा फायदा सांगितला. तात्यासाहेब कोरे इन्स्टिट्यूट ऑफ इंजिनिअरिंग टेक्नॉलॉजी - पॉलिटेक्निकचे प्राचार्य बी. व्ही. बिराजदार यांनी स्पर्धेची उपयुक्तता सांगितली. निकाल : वक्तृत्व स्पर्धा : लहान गट- सई उमेश जाधव (विद्यानिकेतन इंग्लिश मीडियम स्कूल, साखराळे), पार्थ विजय कोरे (तात्यासाहेब कोरे मिलिटरी अँकॅडमी, विनयनगर) आदित्य सुजित खोत (तात्यासाहेब



वारणानगर : वक्तृत्व स्पर्धा, पोस्टर प्रेझेंटेशन स्पर्धेतील विजेत्यांसमवेत प्राचार्य बी. व्ही. बिराजदार, प्राचार्य डॉ. जॉन डिसोझा व अन्य.

कोरे इंग्लिश अँकॅडमी, वारणानगर) वक्तृत्व स्पर्धा - मोठा गट- समीक्षा संभाजी आतिरकर (तात्यासाहेब कोरे इंग्लिश अँकॅडमी), आरती रणजित बोराटे (जाखले हायस्कूल, जाखले), शुभलक्ष्मी राजेंद्र पाटील (तात्यासाहेब कोरे इंग्लिश अँकॅडमी, वारणानगर.) पोस्टर प्रेझेंटेशन स्पर्धा : अपूर्वा शिपेकर आणि शुभांगी जाधव (अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी, आष्टा), पार्वती गुगवाडे आणि आशिषा दादले (अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी, आष्टा), ओंकार पाटील आणि श्रावण राजपुरे (भारती विद्यापीठ, कोल्हापूर). यशस्वी नियोजनाबद्दल वारणा सहकारी विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे, प्रशासकीय अधिकारी वासंती रासम यांनी अभिनंदन केले. वक्तृत्व स्पर्धेसाठी डॉ. एस. एस. खोत, डॉ. आर. बी. पाटील, तर पोस्टर प्रेझेंटेशन स्पर्धेसाठी डॉ. एस. जी. जांभळे आणि के. एस. पाटील यांनी परीक्षक म्हणून काम पाहिले. पी. डी. लोले यांनी सूत्रसंचलन केले. पी. एस. कुंभार यांनी आभार मानले.

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Skit Competition on 'Drug Abuse and Our Health'
(Saturday, 13 July, 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)





No Entry fees / Registration Deadline: 9th July, 2019

With the aim of creating awareness among college students about **Adverse Effect of the Drug Abuse on Health**, the skit competition is organized on topic;

“Drug Abuse & Our Health”

“अमली पदार्थ आणि आपले आरोग्य”

Rules

- Language – Marathi or Hindi or English
- The team participating in the skit should have minimum 5 and maximum 8 members with college identity proof.
- The teams will be allowed a maximum time of 5 minutes to prepare the stage and 10 minutes to perform.
- The competition will be judged on the basis of the script, facial expressions/ body language and creative use of props, stage mannerism, co-ordination, voice modulation and overall performance.

Venue: Tatyasaheb Kore
College of Pharmacy, Warananagar

Day & Date: Saturday 13th July, 2019;
10.00 am onward

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

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Activity Report:

To inculcate awareness of adverse effect of drug abuse on health, drama competition on '**Drug Abuse & Our Health**' for school and college students were organized by SWVSM's Warana Science & Innovation Activity Centre, in association with WSIAC's Science Club on Saturday, 13 July, 2019 at SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar.

Why and how human being gets attracted towards the drug, Effect of drug abuse on health, laws and awareness campaign by central as well as state government, how to controvert the drug abuse, etc points were presented very fantastically by the students participants. Audience were over rust by the use of effective dialogs, posters, relative music and impressive body language of the participants. Judges Mr. S. P. Bhosale & Mr. D. M. Shete was deluded by the few extraordinary performances. More than 50 students in seven various groups were participated in the competition.

At the prize distribution ceremony, chief guest Mr. T. B. Rathwal, Principal, SWVSM's Tatyasaheb Kore Military Academy, Vinaynagar, appreciated the efforts by team WSIAC for creating awareness on such important issue faced by youngsters and availing platform to retain artist in every human being. In introductory speech, Principal Coordinator, Dr. John Disouza highlighted the expected outcomes of organizing such competitions for students and motivated them addiction less future.

Result:

Name of School/ College	Rank
Sant. Xavier's High school, Kolhapur	1st
Tatyasaheb Kore College of Pharmacy, Warananagar	2nd
Annasaheb Dange College of Pharmacy, Ashta	3rd

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Student's performance



Well come of chief guest Mr. T. B. Rathwal by Dr. John Disouza

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Felicitation of Examiners



Prize Distribution Ceremony

Media Coverage:

सकाळ



वारणानगर : नाट्य स्पर्धेतील विजेत्या संघासमवेत प्राचार्य टी. बी. ऱ्हाठवळ, डॉ. जॉन डिसोज़ा, एस. पी. भोसले, डी. एम. शेते आदी.

सेंट झेवियर्स स्कूल प्रथम

वारणानगर, ता. १५ : येथील वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर आणि वारणा विपनेट क्लब यांच्यातर्फे 'अमली पदार्थ आणि आपले आरोग्य' या विषयावर नाट्य स्पर्धा झाली. सेंट झेवियर्स स्कूल (कोल्हापूर), तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी (वारणानगर), अण्णासाहेब डांगे कॉलेज ऑफ फार्मसी(आष्टा) यांनी अनुक्रमे तीन क्रमांक पटकावले.

सहभागी सर्व संघांनी अमली पदार्थांच्या सेवनामुळे आरोग्यावर होणारे वाईट परिणाम, अमली पदार्थ संदर्भातील कायदे, तरुणांनी यापासून दूर कसे राहावे इत्यादी विषयांवर अत्यंत प्रभावी सादरीकरण केले.

तात्यासाहेब कोरे मिलिटरी अँकॅडमीचे प्राचार्य टी. बी. ऱ्हाठवळ यांनी वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटरचे प्राचार्य डॉ. जॉन डिसोज़ा यांचे अभिनंदन केले. वारणा सहकारी विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे, वारणा विभाग शिक्षण मंडळाच्या प्रशासकीय अधिकारी वासंती रासम यांनी स्पर्धेच्या नियोजनाबद्दलबद्दल अभिनंदन केले.

एस. पी. भोसले, डी. एम. शेते यांनी परीक्षक म्हणून काम पाहिले. पी. डी. लोले यांनी सूत्रसंचालन केले. पी. एस. कुंभार यांनी आभार मानले.

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Teacher's Training Workshop on 'Concepts in Physics and Mathematics' in collaboration with Vigyan Vahini (Monday, 22 July, 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)

Jointly Organizes
Teacher's Training Workshop
On
Concepts in

Physics
Mr. S. N. Godase
President,
Vidnyanvahini
Content:
Light and Sound

Mathematics
Mrs. S. A. Pise
Senior Teaching Associate,
(IISER), Pune
Content:
Probability and Statistics

To improve
teaching- learning process
of secondary school teacher's,
hands-on activity workshop is organized for
updated syllabus of Physics and Mathematics

Limited Seats only

Last Date of
Registration 19th July, 2019

Day & Date: Monday 22nd July, 2019;
10.00 am onward

**VENUE: WARANA SCIENCE & INNOVATION
ACTIVITY CENTRE, WARANANAGAR**

Note: Writing Material, Lunch, T.A., D.A.
will not be provided.

Mr. S. S. Patil
Scientific Officer
9423282658

Mr. S. H. More
Scientific Officer
9970624387

Mr. P. S. Kumbhar
Scientific Officer
77700 39731

Mr. P. D. Lole
Scientific Officer
94217 70218

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SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Activity Report:

To improve the teaching-learning process of secondary school teacher's, hands-on activity workshop on 'Concepts in Physics & Mathematics' was organized by SWVSM's Warana Science & Innovation Activity Centre (WSIAC) in association with WSIAC's Science Club on Monday, 22 July, 2019 at WSIAC, Warananagar. Updated topics in state board syllabus like Light & Sound from Physics and Probability & Statistics from Mathematics were tried to cover. From nearby 40 schools more than 65 Science & Mathematics teachers were present for this workshop.

In morning session Mr. S. N. Godse, President, Vigyanvahini, demonstrated the concepts like Sound, Light, Waves, Frequency, etc. with the help of well-equipped model. He highlighted actual depth of all the terms while correlating it with real life example. This method helped all the delegates to clarify their doubts.

In second session Mrs. S. A. Pise, Senior Teaching Assistant, Indian Institute of Science Education & Research (IISER), Pune deliberated important points in Probability & Statistics. Her video presentation, hands-on activities for solving critical & lengthy problems intrigued teachers to correlate concepts with day-to-day activities.

In feedback session, delegates expressed importance of such workshop for strengthening teaching-learning process for implementable outcomes from students. They appreciated chief speakers and organizing committee for availing this opportunity to them and also demanded for such workshops in future. WSIAC's Principal Coordinator Dr. John Disouza applied all the delegate teachers to support for Science Popularization among rural teachers & students by facilitating various activities in future.



Introductory speech by Dr. John Disouza

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Welcome of chief speaker Mr. S. N. Godse



Welcome of chief speaker Mrs. S. A. Pise



Mr. S. N. Godse demonstrating the principles



Mrs. S. A. Pise deliberating the concepts

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Participants along with speakers and team WSIAC

Media Coverage:

सकाळ



वारणानगर : विज्ञान, गणित विषयाबाबत कार्यशाळेत विद्यार्थ्यांसमवेत प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोज़ा, शरद गोडसे, शांती पिसे, विनायक दीक्षित आदी.

विज्ञान, गणित विषयाबाबत 'वारणे'त कार्यशाळा

वारणानगर, ता. २४ : इयत्ता ९ वी आणि १० वीच्या सुधारित अभ्यासक्रमातील गणित आणि विज्ञान विषयाच्या संकल्पनांचे मुद्देसूदपणे अध्यापन करता यावे, या उद्देशाने वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर, विपनेट क्लबतर्फे विज्ञान, गणित विषयाच्या माध्यमिक शिक्षकांची कन्सेप्ट्स इन फिजिक्स अँड मॅथेमॅटिक्स या विषयावरील कार्यशाळा झाली.

विज्ञान वाहिनीचे अध्यक्ष शरद गोडसे, इंडियन इन्स्टिट्यूट ऑफ सायन्स एज्युकेशन अँड रिसर्च (आयसर), पुणे येथील सीनियर टिचिंग असिस्टंट शांती पिसे यांनी मार्गदर्शन केले.

पहिल्या सत्रात गोडसे यांनी भौतिकशास्त्रातील ध्वनी, प्रकाश, तरंग, वारंवारता या संकल्पनांचे उपकरणांच्या साहाय्याने उत्तम सादरीकरण केले. विनायक दीक्षित यांनी सहकार्य केले. तसेच दुसऱ्या सत्रात पिसे यांनी प्रोबॅबिलिटी आणि

स्टॅटिस्टिक्ससारख्या संकल्पना वेगवेगळ्या उपक्रमांतून मांडल्या. यावेळी ४० शाळांतील ६५ हून अधिक शिक्षक उपस्थित होते. वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटरचे प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोज़ा यांनी प्रास्ताविक केले. यशस्वी नियोजनाबद्दल वारणा सहकारी विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे, प्रशासकीय अधिकारी वासंती रासम यांनी अभिनंदन केले.

Kolhapur, Kolhapur-Today
25/07/2019 Page No. 5

'Health Check-up Camp' and 'Disinfection Process'

In flood affected area (Thursday 8 to Saturday 17 August, 2019)

Activity Report:

A Monsoon is a seasonal shift in the prevailing wind direction that usually brings with it a different kind of weather. It almost always refers to the Asian Monsoon, a large region extending from India to Southeast Asia where Monsoon conditions prevail. Every year June 7 is the probable date for arrival of Monsoon in Maharashtra. During this Monsoon, as the moist westerly winds from the Arabian Sea continue to feed moisture, the Western Maharashtra districts tremendously affected by heavy rainfall. Kolhapur and Sangli district in Maharashtra were badly affected by the heavy rainfall and flood. People in the flood affected area were suffering to fulfil their basic needs and health issues. Identifying the need, SWVSM's Warana Science & Innovation Activity Centre, Warananagar in collaboration with WSIAC's Science Club and Tatyasaheb Kore College of Pharmacy organized 10 'Health Check-Up Camps' in nearby flood affected villages.

The different health specialists were invited for this health check-up camps. Dr. Onkar Patil (Paediatric surgeon), Dr. Madhura Lole, Dr. Surekha Patil rotationally checked and treated the patients enthusiastically. Majority of the patients were suffered from fungal and throat infection, fever etc. was observed in camp. During Thursday 8 to Saturday 17 August 2019, in health check-up camp more than 1000 patients were checked and counselled, and treated properly by providing appropriate medicines. Student's volunteers of SWVSM's Tatyasaheb core College of Pharmacy, Warananagar were assisting people to identify the health issues and to consult precautions to be taken to maintain the good health.

Sr. No.	Date	Place of Camp	No. of Patients observed
1.	08/08/2019	Old Chavare	121
2.	09/08/2019	Pargaon	84
3.	10/08/2019	Kini	93
4.	10/08/2019	Ghunaki	104
5.	12/08/2019	Kakhe	107
6.	13/08/2019	Talsande	89
7.	14/08/2019	Khochi	136
8.	16/08/2019	Bhendavde	97
9.	16/08/2019	Bacche-Sawarde	79
10.	17/08/2019	New Chavare	127



Dr. Surekha Patil and Dr. Madhura Lole examining the patients



Mr. Rajan Vichare, MP – Thane, Maharashtra & Dr. Sujit Minchekar, Ex-MLA – Hatkanangle, Kolhapur, Maharashtra appreciated for special efforts by WSIAC

Disinfection Process:

The 2019 Indian floods were a series of floods that exaggerated over nine states in late July and early August 2019, due to continual rains. The floods in five districts of Western Maharashtra were affected over 2.85 Lakh people. As water levels recede in flood affected areas, it created big issues like decomposing animal carcasses, issues of sanitation, and problems of sewage from sewers, septic tanks, etc. in front of society. Flooding is associated with an increased risk of non-epidemic infections like infection of water-borne diseases contracted through direct contact with polluted waters, such as wound infections, dermatitis, conjunctivitis and ear, nose and throat infections. There may be also chances of increase in vector-borne diseases through the expansion in the number and range of vector habitats. Standing water caused by heavy rainfall or overflow of rivers can act as breeding sites for mosquitoes, and therefore enhance the potential for exposure of the disaster-affected population and emergency workers to infections such as dengue, malaria and West Nile fever. Flooding may initially flush out mosquito breeding, but it comes back when the waters recede. The lag time is usually around 6-8 weeks before the onset of a malaria epidemic.

Therefore, it is essential to sanitize the flood affected areas in order to prevent the spread of infectious diseases. With the same objectives WSIAC's Science Club in collaboration with SWVSM's Warana Science & Innovation Activity Centre, Warananagar has organized '**Sanitization**' or '**Disinfection Process**' activity at Bacche Savarde using bleaching powder. Bleaching powder shows broad spectrum bactericidal activity. Therefore, it is used for disinfecting and sterilizing agent, and for sanitation of water as well as flood affected areas to control bacteria, viruses, and algae. Bleaching powder kills the microorganisms by denaturation of proteins present in them thereby stopping the spread of various infectious diseases.



Team member of WSIAC's Science Club for Disinfection Process in Bacche Savarde



Student volunteers in Disinfection Process

Poster Presentation, Essay Writing & T-shirt Painting Competition on 'Safe & Effective Medicine for all' (Wednesday, 25 September, 2019)

Activity Report:

Pharmacist uses their unique knowledge & expertise to ensure that people get best from the medicine. Pharmacy profession assures access to medicine & their appropriate use. Pharmacist improves endurance; coordinate care transition and much more. With the same theme announced by International Pharmaceutical Federation (FIP) i.e. **'Safe and effective use of medicine for all'**, SWVSM's Warana Science & Innovation Activity Centre & WSIAC's Science Club, Warananagar in collaboration with Tatyasaheb Kore College of Pharmacy Poster Presentation, Essay Writing & T-Shirt painting Competitions were organized at Tatyasaheb Kore College of Pharmacy, Warananagar.

Participants in this competition highlighted about Medical errors, Medication Safety, Preventions and Medication Mistakes. They also tinted the precautions to be taken for secure and efficient utilization of medicine. Dr. A. S. Manjappa, Mr. S. C. Burli, Mr. Mayuresh Shinde, Mr. Kiran Patil, Mrs. Sunita Shinde & Mrs. Jaya Kamble were the evaluators for the respective competition.

This competition helped all the participants to recognize the depth of pharmacy profession for serving every stake holder of society.

Results:

- Poster Presentation Competition –

Name of Participant	Rank
Ms. Dipali Patil	Winner
Ms. Rajnandini Patil	Runner

- Essay Writing Competition:

Name of Participant	Rank
Ms. Rajnandini Patil	Winner
Ms. Sejal Bhosale	Runner

- T-Shirt Painting Competition –

Name of Participant	Rank
Mast. Najib Mulani	Winner
Mast. Amol Vasave	Runner



Participants in Poster Presentation



Participants for Essay Writing

Annual Report (2019-20);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar



Participants for T-shirt painting



Prize distribution Ceremony

Media Coverage:

सकाळ



वारणानगर : तात्यासाहेब कोरे औषधनिर्माणशास्त्र महाविद्यालय व वारणा विज्ञान केंद्राच्या फार्मासिस्ट डे प्रसंगी शिक्षक व विद्यार्थी आदी.

रुग्णाभिमुख संशोधनाची गरज : डॉ. डिसोझा

कोरे फार्मसी कॉलेजमध्ये 'वर्ल्ड फार्मासिस्ट डे' साजरा

वारणानगर, ता. ४ : रुग्णाभिमुख संशोधन हीच काळाची गरज असून, केवळ व्यावसायिक नफा न पाहता व्यावसायिक नीतिमत्ता पाळून, आरोग्य संवर्धनातील महत्त्वपूर्ण घटकांची जबाबदारी पार पाडावी. विद्यार्थ्यांनी औषध व्यावसायिक संशोधन व्हावे, यासाठी प्रामाणिक प्रयत्न करावे, असे आवाहन प्राचार्य डॉ. जॉन डिसोझा यांनी येथे केले.

तात्यासाहेब कोरे औषधनिर्माणशास्त्र महाविद्यालय व वारणा विज्ञान केंद्र यांच्या संयुक्त विद्यमानाने 'वर्ल्ड फार्मासिस्ट डे' साजरा करण्यात आला. यावेळी ते बोलत होते. यावेळी पदविका महाविद्यालयाचे प्राचार्य डॉ. सी. एम. जमखंडी उपस्थित होते.

महाविद्यालयात विविध स्पर्धांचे आयोजन करण्यात आले. सुरक्षित आणि परिणामकारक औषधे या विषयावर विद्यार्थ्यांनी भितीपत्रके, निबंध व टी शर्ट डिझाईन स्पर्धेमध्ये सहभाग नोंदविला. परीक्षक म्हणून डॉ. ए. एस. मंजाप्पा, प्रा. एस. सी. बुर्ली, प्रा. मयुरेश शिंदे, प्रा. किरण पाटील, प्रा. सुनीता शिंदे, प्रा. जया कांबळे यांनी काम पहिले.

भितीपत्रके स्पर्धेमध्ये यश मिळवलेले विद्यार्थी अनुक्रमे दीपाली पाटील, राजनंदिनी पाटील व टी शर्ट स्पर्धेमध्ये यश मिळवलेले विद्यार्थी नझीम मुल्लाणी व अमोल वसावे तसेच निबंध स्पर्धेमध्ये यश मिळवलेले विद्यार्थी राजनंदिनी पाटील, शेजल भोसले हे आहेत. प्रा. सुप्रिया गायकवाड, प्रा. सायली पोवार, प्रा. शलाका पत्की, प्रा. वृंदा खानविलकर, प्रा. प्रतिक मस्के, प्रा. स्वप्नील चोपडे, प्रा. पोपट कुंभार, प्रा. प्रितेश लोले यांनी परिश्रम घेतले. राजनंदिनी पाटील हिने सूत्रसंचालन केले.

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05/10/2019 Page No. 6

Poster Presentation Competition on 'Aero Satellite' in collaboration with Space Development Nexus (Saturday, 12 October, 2019)

About Space Development Nexus (SDNx):

SDNx Space Academy is an open learning platform which is designed to provide space awareness activities, educational programs, research & development into space exploration technologies and to organize major space industry events to serve the global space community. The core objective of SDNx Space Academy is to inspire, educate, connect and advocate on the behalf of global space community.

Activity Report:

An Aero-Satellite is a satellite having specific payload used to teach about space technology. It is similar to the technology used in miniature satellite. No Aero-Satellite has ever left the atmosphere, nor orbited the earth. The '**Aero-Satellite**' poster presentation competition was organized to introduce Aero-Satellite and boost the student's interest in space technology, by SWVSM's Warana Science & Innovation Activity Centre & WSIAC's Science Club, Warananagar in collaboration with Space Development Nexus.

Importance of aerodynamic shape, operation of Bernoulli principle with help of models was the prime content in most of the presentations. Secondary School students presented types of Aircraft, Rocket, Satellite and Launching vehicles based on the construction i.e. type & number of engine, range, purpose, fuel use and mode of take-off& landing. Types of satellite like Amateur radio Satellite, Astronomical Satellite, DBS (Digital Broadcasting System), Domestic Communication Satellites, Lunar Satellites, Military Communication Satellites, Navigation Satellites and Weather Satellites etc. were introduced by the students. Well-designed posters finely differentiated between launching vehicles like GSLV, PSLV etc.

In the competition held on Saturday, 12 October, 2019, 40+ students were participated. Best presenters were awarded by the giving the certificates. This competition helped participants to study thoroughly about space technology.



Participants presenting posters



Participants with certificates

Maths Model Exhibition on 'Fun-Fair in Mathematics-2019'

(Thursday, 26 December, 2019)

Activity Report:

To dent the birth anniversary of great Indian mathematician, Srinivasa Ramanujan and his contributions in the field of mathematics, National mathematics day is celebrated every year on 22 December. The main objective behind the celebration is to increase cognizance among people about the importance of mathematics for the development of humanity. To motivate, enthuse and inculcate a positive attitude towards learning mathematics among the younger generation of the country; SWVSM's Yashwantrao Chavan Warana Mahavidyalaya in collaboration with SWVSM's Warana Science Innovation & Activity Centre & WSIAC's Science Club, Warananagar has organized mathematical model exhibition on '**Fun-Fair in Mathematics-2019**' to provide some tricks in mathematics in order to make it interesting.

In the inauguration program, the chief guest Dr. John Disouza, Principal Co-ordinator, WSIAC, program president Dr. Surekha Shahapure, Principal, YCWM highlighted the importance of mathematics in human life. More than 15 models were presented by 15 group's student of mathematics department. Different interesting models like to find number of brothers & sisters, Pascal triangle formula, calculation of birth date etc. was presented by the students. More than 250 students from colleges visited and enjoyed the models.



Participants presenting models

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SWVSM's Warana Science & Innovation Activity Centre, Warananagar



Prize Distribution Ceremony

One Act Play on 'Einstein – Sapexhata Sangnara Manus'

(Tuesday, 28 January, 2020)

प्रस्यय हौशी नाट्य
कला केंद्र निर्मित..

आईनस्टाइन

सापेक्षता सांगणारा माणूस

लेखक
डॉ. शरद नावरे




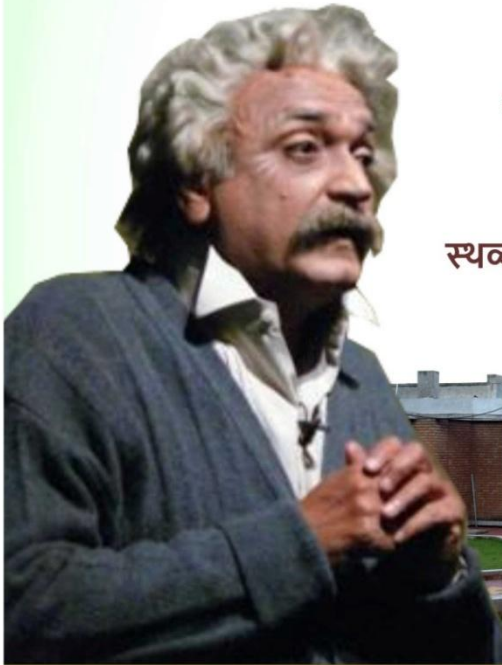
दिग्दर्शक आणि भूमिका
डॉ. शरद भुथाडिया

आयोजक
श्री वारणा विभाग शिक्षण मंडळ संचालित
वारणा सायन्स अँड इनोव्हेशन
अॅक्टिव्हिटी सेंटर, वारणानगर
स्थळ: तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी,
वारणानगर चे सभागृहमध्ये

मंगळवार,
२८ जानेवारी २०२०
वेळ: स. ११.०० वा

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)



Annual Report (2019-20);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Activity Report:

Theoretical Physicist Albert Einstein, one of the great scientists in the world. Theory of Relativity, mass energy equivalence, photoelectric effect, quantum theory etc. theorem were proposed by Albert Einstein, were life changing milestones for human being on planet. One act played by Dr. Sharad Bhutadiaya was the best combination of his research and important incidents in his life as common man. With the aim to motivate students to take science as career, performance of One Act Play on '**Einstein – Sapekshata Sangnara Manus**' was organized SWVSM's Warana Science Innovation & Activity Centre, Warananagar in collaboration with by WSIAC's Science Club for 9th Std. students on Tuesday, 28th January, 2020 at Auditorium, Tatyasaheb Kore College of Pharmacy, Warananagar.

'Einstein – the man who explains theory of relativity' is originally written by Gabriel Emanuel. Dr. Sharad Bhutadiaya was in lead role and director for the One Act Play. Marathi translation of original script was made by Dr. Sharad Navare. This play highlighted relativity, mass energy equivalence, speed of sound etc.

More than 250 students on 9th Standard were enjoyed the act.



Incident in one act play



Team WSIAC with team 'Einstein – Sapexshata Sangnara Manus'

Media Coverage:

सुकाळ

वारणा सायन्स सेंटरतर्फे एकपात्री नाट्यप्रयोग

वारणानगर, ता. ३० : सैद्धांतिक भौतिकशास्त्रज्ञ अल्बर्ट आईन्स्टाईन यांनी मांडलेला सापेक्षता वादाचा सिद्धांत, प्रकाशाची विद्युत परिणाम, पुंजभौतिकी, विश्वशास्त्र, विश्वरचना शास्त्र आणि सामान्य माणूस म्हणून जगत असताना जीवनात आलेले अनेक चढ उतार यांची उत्तम सांगड असलेले 'आईन्स्टाईन - सापेक्षता सांगणारा माणूस' या एकपात्री नाट्य प्रयोगाचे आयोजन वारणा विभाग शिक्षण मंडळ संचालित वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटरमार्फत करण्यात आले होते. मूळ लेखक प्रॅबिएल इमॅन्युएल यांनी लिहिलेल्या नाटकाचा मराठीत अनुवाद डॉ. शरद नावरे यांनी केला असून, दिग्दर्शक आणि अभिनेत्याची भूमिका डॉ. शरद धुथाडिया यांनी साकारली आहे.

या प्रयोगात अल्बर्ट आईन्स्टाईन यांनी मांडलेला काळ आणि गतीचा संबंध, कर्णपटलावर पडणाऱ्या हवेचा दाब, आवाजाची हवेतील स्थलांतराची गती, वक्राकार अवकाशामुळे ग्रहांची सूर्याभोवती फिरण्याची दिशा आणि गती या संकल्पनांचे विश्लेषण केले. या नाट्य प्रयोगाचा आनंद वारणा शिक्षण समूहातील विद्यार्थ्यांनी घेतला. आपल्या दैनंदिन जीवनात घडणाऱ्या घटनांमागील वैज्ञानिक दृष्टिकोन विद्यार्थ्यांमध्ये रुजवण्यासाठी वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटरमार्फत आयोजित केल्या जाणाऱ्या नावीन्यपूर्ण उपक्रमाबद्दल वारणा सहकारी विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष आमदार डॉ. विनय कोरे यांनी समाधान व्यक्त केले.

या उपक्रमाच्या यशस्वी आयोजनाबद्दल प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी प्रिन्सिपॉल कॉर्डिनेटर डॉ. जॉन डिसोझा आणि संपूर्ण टीमचे अभिनंदन केले.



वारणानगर : 'आईन्स्टाईन : सापेक्षता सांगणारा माणूस' या एकपात्री नाटकातील एक प्रसंग.

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**SDNx Abdul Kalam National Space Competition in Collaboration with
Space Development Nexus (Saturday, 8 February, 2020)**

Activity Report:

Space Science has been grown into a great field of importance and India is achieving heights with a pace never before. Students are the future of any nation and it's only through the nurturing of young talents, India can achieve higher goals. With the aim to bring the legends of the Space Science together through various programs which will be a never before experience for the students; SWVSM's Warana Science & Innovation activity Centre in Collaboration with Space Development Nexus was organized '**SDNx Abdul Kalam National Space Competition**' on Saturday, 8 February, 2020 at SWVSM's Tatyasaheb Kore College of Pharmacy, Warananagar for students learning nearby Warana.

SDNx Abdul Kalam National Space Competition is a National Quiz Competition & Drawing Competition on Space Science and Technology for students of Grades 6-12 and is organized every year with a mission to attract and encourage talents in the fields of Space Science and Technology and enhance the aptitude of children in Space Science & Technology. SDNx Abdul Kalam National Space Competition is designed to examine the in deep knowledge of students in various fields related to Space Science and Technology and honours the genuine talents with amazing opportunities and rewards. SDNx Abdul Kalam National Space Competition will be a perfect mixture so developed to nurture the thirst for knowledge of young little scientists.

In this competition, 100+ young talented minds from 7 different schools explored their knowledge about space science.



Participants at quiz competition



Participants at drawing competition



Participants with their drawing

Certificate of appreciation:



Public Talk on 'आपले वृक्ष... आपली संस्कृती...'

(Monday, 24 February, 2020)

वारणा विज्ञान केंद्राचा तिसरा वर्धापन दिन आणि
राष्ट्रीय विज्ञान दिन असे संयुक्त औचित्य साधून व्याख्यानाचे आयोजन
व्याख्यानाविषयी

● ऋतू आणि ऋतू बदलानुसार भारतीय संस्कृतीमध्ये सण-वार, व्रत-वैकल्य, प्रथा-परंपरामधून वनस्पती, प्राणी पंचमहाभूतांचे वैज्ञानिक महत्व...

● जैवविविधता, निसर्गाचा समतोल, शुद्ध पर्यावरण आणि माणसाचे आरोग्य याचा पुर्वजांनी केलेला सूक्ष्म विचार...

व्याख्यानाचा विषय
आपले वृक्ष... आपली संस्कृती...

प्रमुख वक्त्या
डॉ. कांचनगंगा गंधे
निवृत्त प्राध्यापक,
वनस्पतीशास्त्र विभाग,
पुणे विद्यापीठ

वक्त्यांचा अल्प परिचय

- राष्ट्रीय आंतरराष्ट्रीय स्तरावर संशोधन नियतकालिकांत शोधनिबंध प्रसिद्ध.
- 'रेव्हेनेलिया' ह्या कवकातून ६ नवीन गुणसूत्रांचा शोध.
- 'लॅप लॅम्बर्ट' जर्मन प्रकाशन संस्थेकडून संशोधन पुस्तक प्रसिद्ध.
- १५ संशोधन प्रकल्पास राष्ट्रीय संस्थांकडून अनुदान.
- नामांकित दैनिकांमध्ये वनस्पती विषयक लेखमाला प्रसिद्ध.
- वनस्पतीशास्त्र, पर्यावरणशास्त्र आणि आरोग्याशी संबंधित ७ पुस्तकांचे प्रकाशन.
- आकाशवाणी पुणे केंद्रावरून विविध विषयांसाठी १०० पेक्षा जास्त भाषणे प्रसारित.

स्थळ -
डॉ. विनय कोरे क्रीडा व
सांस्कृतिक विकास केंद्र,
वारणानगर

वेळ - सोमवार, दि. २४ फेब्रुवारी २०२०,
स. ११.०० ते दु. १२.३० पर्यंत

Organized By
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 Prasars NETWORK of Science Clubs; Club Unique Authentication No.: VP-MH0094)





Annual Report (2019-20);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Activity Report:

The United Nations General Assembly declared 2020 as the International Year of Plant Health (IYPH). Considering this opportunity, on the joint occasion of 3rd Anniversary on SWVSM's Warana Science Innovation & Activity Centre and National Science Day; the public talk on topic 'आपलेवृक्ष... आपलीसंस्कृती...' was organized by WSIAC in collaboration with by WSIAC's Science Club for local public on Monday, 24th February, 2020. Dr. Kanchanganga Gandhe, Ex. Professor, Botanical Department, Pune University was the chief speaker.

In her talk, she correlated the use of plants and trees in Indian Culture with scientific background; i.e. use of Neem in Auyurvedic medicine and for celebration of Marathi New year – Gudhi Padawa. Homeopathic utilization of Cotton, Mehndi, etc. plants and its effects on human beings were elaborated during the talk. Basil plant purifies the air in 5-10 meter nearby area whereas including use of basil in daily diet will brighter the brain power was highlighted by Dr. Gandhe.

This public talk benefited to more than 950+ audiences present over the venue.



Felicitation of chief speaker Dr. Kanchanganga Gandhe by the auspicious hands of Dr. Mrs. Vasanti Rasam, Administrative Officer, SWVSM, Warananagar

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SWVSM's Warana Science & Innovation Activity Centre, Warananagar



Felicitation of Dr. Mrs. Vasanti Rasam by Dr. John Disouza



Dr. Kanchanganga Gandhe addressing the audience



Audience for the talk

Media Coverage:

सकाळ

निसर्गाला गुरू मानून मैत्री करा : डॉ. गंधे

सकाळ वृत्तसेवा

वारणानगर, ता. २६ : ऋतू चक्रानुसार परिस्थितीशी जुळवून घेण्यासाठी सजिवांमध्ये नैसर्गिक बदल घडत असतात; पण आजच्या धकाधकीच्या जीवनात माणूस स्वतःला हरवत चाललेला असून पर्यावरणाशी एकरूप राहून निसर्गाचा हेल्थसाईड होणार नाही याचा काळजी घेणे जरूरीचे आहे. निसर्गाला गुरू मानून निसर्गाशी मैत्री केल्यास येणाऱ्या प्रत्येक संकटाला आपण सामोरे जाऊ शकतो, असे मत प्रमुख वक्त्या डॉ. कांचनगंगा गंधे यांनी व्यक्त केले. येथील वारणा विज्ञान केंद्राचा

तिसरा वर्धापन दिन आणि राष्ट्रीय विज्ञान दिनाचे औचित्य साधून आपले वृक्ष, आपली संस्कृती या विषयावर त्या बोलत होत्या.

उत्तरायण, दक्षिणायण ऋतू बदलानुसार भारतीय संस्कृतीत सण-वार, व्रत-वैकल्य, प्रथा-परंपरा मध्ये वापरल्या जाणाऱ्या विविध औषधी वनस्पतींचे आपल्या पूर्वजांनी अधोरेखित केलेले शास्त्रीय उपयोग यांचा माहिती डॉ. गंधे यांनी दिली. यामध्ये कडुलिंबू, दवणा, रुई, मेंदी, शमी इ. वनस्पतींचे महत्त्व तसेच प्रत्येकाच्या घरसमोर असणाऱ्या तुळशीमध्ये असलेला युजेनॉल हा घटक ५-१० मीटरचा परिसरातील

हवा शुद्ध ठेवण्याचे काम करतो तर दोन तास तुळशीपत्र भिजवलेले पाणी पिल्यास बुद्धी तल्लख होण्यास मदत होत असल्याचे त्यांनी सांगितले.

वारणा विभाग शिक्षण मंडळाच्या प्रशासकीय अधिकारी डॉ. वासंती रासम, वारणा विज्ञान केंद्राचे प्रिन्सिपल को-ऑर्डिनेटर डॉ. जॉन डिसोजा उपस्थित होते. वारणा समूहाचे अध्यक्ष आमदार विनय कोरे यांनी शुभेच्छा दिल्या. प्रा. शिल्पा पाटील यांनी आभार मानले. सार्वटिफिक ऑफिसर पी. एस. कुंभार, पी. डी. लोले, प्रा. किरण पाटील यांनी नियोजन केले.



वारणानगर : येथील वारणा विज्ञान केंद्राच्या तिसऱ्या वर्धापन दिनानिमित्त बोलताना डॉ. कांचनगंगा गंधे.

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‘शनिवारीविज्ञानवारी’ in collaboration with Marathi Vidnyan Parishad

(Monday, 16 September, 2019 to Saturday, 7 March, 2020)

Activity Report:

Science Communicator's Training Program at WSIAC:

Traditional educational system belongs to acquiring principles, ethics and social responsibilities etc. required for endurance. Teacher teaches or guides the students in class room with the help of black board, chalk and other relevant educational material. This traditional system is lagging in writing test, performing experiments, interaction with expertise etc. which is the need of modern education system. Identifying the drawbacks in traditional educational system & necessity of modern education system, SWVSM's Warana Science & Innovation Activity Centre, Warananagar & WSIAC's Science Club in collaboration with Marathi Vidnyan Parishad, Mumbai has planned 'शनिवारीविज्ञानवारी' with the aim of science popularization among rural students by hands-on activities. For the conduction of the same, 123 student volunteers from Warananagar, Ratnagiri, Sangli, and Phaltan were trained in the Science Communicator's Training Program held at Vinay Kore Sports and Cultural Development Centre, Warananagar.

Initially, 'शनिवारीविज्ञानवारी' program will lead by the 56 Science Communicators in WSIAC's campus i.e. student volunteers from SWVSM's Tatyasaheb Kore College of Pharmacy & SWVSM's Yashwantrao Chavan Warana Mahavidyalaya, Warananagar in 28 schools nearby Warana. The same kind of conduction will be undertaken by other Science Communicators in their respective area. In this training program, Science Communicators were facilitated by the educational material and scientific apparatus. Hon. Secretary Mr. Vinayak Karnik and expertise from Marathi Vidnyan Parishad Mr. Hemant Lagvankar, Mr. Abhay Yawalkar, and Shrimati Anagha Wakte demonstrated the experiments and addressed them for effective conduction of the program.

The trained Science Communicators were supposed to conduct the 10 sessions of one and half hour on concepts like Sound, Air pressure, Magnetism and Magnetic Effect, Density, Light – Scattering, reflection, refraction, total internal reflection, Gravitation force, Centre of gravity, Balance etc. for students in 7th & 8th standard. Student friendly experimentation & presentation skills were taught to all the Science Communicators in that training program held on Monday 16 & Tuesday 17, September, 2019.

Media Coverage:

सुकाल

<p>वारणा विज्ञान केंद्रातर्फे शनिवारी 'विज्ञानवारी' उपक्रम</p>	<p>वारणानगर, ता. १६ : वारणा विज्ञान केंद्र आणि मराठी विज्ञान परिषद (मविप) यांच्यातर्फे शनिवारी दुर्गम शाळांत 'विज्ञानवारी' हा उपक्रम राबवण्यात येणार आहे, अशी माहिती वारणा समूहाचे अध्यक्ष विनय कोरे यांनी दिली. या उपक्रमात यशवंतराव चव्हाण वारणा महाविद्यालय, तात्यासाहेब कोरे कॉलेज ऑफ फार्मासीतील ६० विद्यार्थी, फलटण, रत्नागिरीसह महाराष्ट्रातील १०० हून अधिक</p>	<p>महाविद्यालयीन विद्यार्थ्यांना प्रशिक्षण दिले जाईल. मराठी विज्ञान परिषदेचे अध्यक्ष डॉ. जयंत जोशी, कार्यवाह विनायक कर्णिक, सदस्य हेमंत लागवणकर, अभय यावलकर, श्रीमती अनधा वक्रे हे प्रशिक्षण देतील. मराठी विज्ञान परिषदेचे सहायक सागर शिंदे, श्रीकांत खेडेकर, वारणा सायन्स अँड इन्व्हेस्टेशन अँकटीव्हिटीज सेंटरचे प्रांतिश लोले, पोपट कुंभार सहकार्य करतील. प्रशिक्षणार्थींना विज्ञान</p>	<p>प्रसारक म्हणून नियुक्ती केली जाईल. विज्ञान प्रसारक दुर्गम भागातील जास्तीत जास्त शाळांना प्रत्यक्ष भेट देऊन ७ वी आणि ८ वीच्या विद्यार्थ्यांना भौतिकशास्त्र, रसायनशास्त्र, जीवशास्त्र आणि गणित या विषयातील विविध संकल्पना, सिद्धांत कृतिशील प्रयोगातून समजावून सांगणार आहेत. खेडोपाड्यातील वंचित विद्यार्थ्यांना स्वतः हे सर्व प्रयोग करण्याची संधी या उपक्रमानुसार</p>	<p>उपलब्ध करून दिली जाणार असल्याचे प्रशासकीय अधिकारी डॉ. वासंती रामस यांनी यावेळी सांगितले. प्रायोगिक तत्वावर पहिल्या टप्प्यात ३० शाळांची निवड करण्यात येणार आहे. ज्या शाळांना विद्यार्थ्यांचा विज्ञानातील शिक्षणाचा पाया भक्कम करावयाचा आहे, अशा शाळांना नावनोंदणी करावी, असे आवाहन समन्वयक डॉ. जॉन डिसोझा यांनी केले.</p>
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SWVSM's Warana Science & Innovation Activity Centre, Warananagar



Mr. Abhay Yawalkar demonstrating the scientific concept through activity



All the Science Communicators with expertise

Annual Report (2019-20);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar

Conduction of 'शनिवारीविज्ञानवारी':

At WSIAC, as a part of groundwork all the Science Communicators had few practice sessions of experiments demonstrations and discussions about conduction of the activity. On Saturday, 5 October, 2019 all the pairs of Science Communicators conducted their first session of 'शनिवारीविज्ञानवारी' in their allotted schools. Likewise they continued to conduct further sessions in same pair.

Out of 28 proposed schools, the project was completed in 7 schools and in 8 schools more than 50% sessions were completed. The Science Communicators were very keen to conduct sessions in schools. From all schools, 1400+ students of 7th and 8th standard experienced the experiments demonstration and tried to understand the concepts. Most-of-the-time student's involvement for experiment demonstration improved their curiosity about the concept and their real-life application. Teachers and Head Masters of schools in rural area appreciated the efforts by Science Communicators of WSIAC for Science popularization. However, due to natural calamities and change in exam schedules of college and schools, they could not complete the sessions.



Science Communicator demonstrating 'Wave' concept with activity



Science Communicator demonstrating 'Sound' concept with activity



Science Communicator demonstrating 'Electromagnetic Field' concept with activity

Media Coverage:

सुकाळ

विज्ञान केंद्र उभारण्यामागचा उद्देश सार्थ

डॉ. विनय कोरे; वारणानगर येथे विज्ञानवारी उपक्रम

वारणानगर, ता. ६ : दुर्गम भागातील सातवी, आठवीत शिकत असलेल्या वंचित विद्यार्थ्यांना प्रत्यक्ष प्रयोगातून विज्ञान समजून घेण्याची संधी मिळाल्यामुळे वारणेत विज्ञान केंद्र उभारण्यामागचा उद्देश सार्थ ठरत असल्याचे समाधान वारणा सहकारी विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे यांनी येथे व्यक्त केले.

वारणा विभाग शिक्षण मंडळ संचालित वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर यांच्या पुढाकाराने मराठी विज्ञान परिषद, मुंबई यांचा शनिवारी विज्ञानवारी उपक्रमावेळी बोलत होते. शालेय जीवनात विज्ञान हा बहुतांश विद्यार्थ्यांचा आवडता विषय, पण वैज्ञानिक संकल्पना प्रयोगातून अनुभवण्याची संधी न मिळाल्यामुळे



वारणानगर : विज्ञानवारी उपक्रमाप्रसंगी विज्ञान प्रसारक माहिती देताना.

तसेच अवांतर वाचनाचा अभाव यामुळे विज्ञान आवडणारे बरेच विद्यार्थी पुढे विज्ञानापासून दूर राहण्याचा प्रयत्न करतात. याचेच गांभीर्य लक्षात घेऊन वारणा विभाग शिक्षण मंडळ संचालित वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटर यांच्या पुढाकाराने मराठी विज्ञान परिषद, मुंबई यांचा

शनिवारी विज्ञानवारी उपक्रम पन्हाळा आणि शाहूवाडी तालुक्यातील दुर्गम २८ शाळांत राबवण्यात आला.

उपक्रमांतर्गत वेगवेगळ्या वैज्ञानिक संकल्पना कृतिशील प्रयोगातून विद्यार्थ्यांसमोर मांडण्यात आल्या. उपक्रमात तात्यासाहेब कोरे कॉलेज ऑफ फार्मसी आणि यशवंतराव

चव्हाण वारणा महाविद्यालयातील ६० विद्यार्थ्यांना मराठी विज्ञान परिषदेचे प्रमुख समन्वयक विनायक कर्णिक, सदस्य हेमंत लागवणकर, अभय यावलकर, श्रीमती अनघा बक्टे या तज्ज्ञ प्रशिक्षकांमार्फत यांनी विज्ञान प्रसारक म्हणून काम पाहिले.

वारणा विज्ञान केंद्रामार्फत राबविण्यात आलेल्या स्तुत्य उपक्रमाबद्दल प्रशासकीय अधिकारी डॉ. वासंती रासम यांनी अभिनंदन केले. उपक्रमास मिळालेला प्रतिसाद पाहता पुढील वर्षी आणखी मोठ्या प्रमाणात राबवण्याचा मानस असल्याचे वारणा विज्ञान केंद्राचे प्रिन्सिपल कोऑर्डिनेटर डॉ. जॉन डिसोझा यांनी नमूद केला. उपक्रमाच्या यशस्वी नियोजनासाठी सार्यटिफिक ऑफिसर पोपट कुभार आणि प्रीतिश लोले यांनी विशेष परिश्रम घेतले.

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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 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 organization with success story of more than 5 decades, that speaks about the encouragement and support of Management; **Hon. Dr. Vinayji Kore (Savkar)**, President, Warana Industrial & Educational Complex; the commitment of Dr. Mrs. Vasanti Rasam, Administrative 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 Mahavidhyalaya (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

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 Mahavidhyalaya 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 a unique place to learn concepts in science and mathematics through activity-based-learning. It was inaugurated by the auspicious hands of eminent scientist Hon. Dr. Anil Kakodkar on 24th 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 (Savkar)**, President, Warana Industrial & Educational Complex and support of Dr. Mrs. Vasanti Rasam, Administrative Officer, SWVSM; the team of WSIAC takes all the efforts to serve the purpose of the centre.

Day-to-day Activities:

Starting from May 2017, students and teachers from all over Maharashtra have visited this centre. Till the date more than 12800 students and 500 teachers of 110 schools and colleges have visited this centre. 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'.

श्री वारणा विभाग शिक्षण मंडळ संचलित

वारणा विज्ञान केंद्र वारणानगर

राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन
महाराष्ट्र शासनाचा उपक्रम..

कुरु गंत, शिकू विज्ञानाचे धडे..
वैज्ञानिक प्रयोगातून, साधू कल्पकतेकचा विकास..!

इनोव्हेशन ऍक्टिव्हिटी लॅबोरेटरी

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

प्रदर्शन व बहुउद्देशीय हॉल

नोबेल पारितोषिके व मंगळयान संदर्भातील चित्रलेखीय प्रदर्शन..!

गंतशील विज्ञान प्रदर्शन

खेळालून वैज्ञानिक संकल्पना समजून घेण्याचा मजेदार अनुभव..!

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

सायन्स पार्क

खेळालून वैज्ञानिक संकल्पनेची अनुभूती..!

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

उपक्रम

- सिचॅक सॅटरला भेट
- इनोव्हेशन ऍक्टिव्हिटी लॅबमध्ये प्रयोग
- विज्ञान विषयक कार्यशाळा
- ऑलम्पियाड व तत्सम परीक्षांकरिता मार्गदर्शन
- विज्ञान व्याख्यानमाला
- वैज्ञानिक प्रकल्प स्पर्धा
- विज्ञानावरील प्रश्नमंजूषा स्पर्धा
- विज्ञानावरील निबंध स्पर्धा

संपर्क

समन्वयक वारणा विज्ञान केंद्र, वारणानगर

तालुका: पन्हाळा, जिल्हा: कोल्हापूर, (महाराष्ट्र) ४१६ ११३, फोन: ०२३२६-२२३५०१, मोबाइल: ७७९८८८५०५०

E mail: waranasiac@gmail.com

Onkar Graphics 9822524745

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

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

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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.

Dignified personalities visited the Centre

Date	Name & Designation	Comments
21/07/2017	Mr. Dhaval Kulkarni Cricket Player, Team India	Very Innovative way of teaching students. Was a fantastic experience. Keep the good work. The future is in your hands. All the very best.
24/10/2017	Mrs. Manjiri Ghorat, EC Member at International Pharmaceutical Federation- Community Pharmacy Section (FIP CPS)	This centre is very excellent and innovative.
28/11/2017	Mr. Sachin Lokapure Managing Director, SAGLO Research Equipments, Miraj.	This centre is very excellent and innovative.
12/1/2018	Mr. Vishwas Chavan CEO, Seema Biotech, Talasande	This project is very good and will help all students in their future career.
15/1/2018	Dr. D. N. Mudgal Executive Director, Ashokrao Mane Group of Institute	This is one of the innovative centre will help students to improve and verify scientific principles.
30/1/2018	Mr. N. K. Patil State Commissioner for Person with Disability, Maharashtra	This centre has very excellent infrastructure and conceptualization to propagate the values of scientific tempers.
30/1/2018	Dr. Kunal Khemnar CEO, ZP Kolhapur	The science centre is of international standard, which will be very useful to all students. The centre is having great facility of science lab.
31/01/2018	Mr. Indrajit Deshmukh Additional CEO, ZP Kolhapur	Students can understand many things from experiments. This project will be helpful to create scientific interest in the mind of rural students of India.
13/2/2018	Mr. Sudheendra Kulkarni Former Director, PMO India	Wonderful! This is true example of bringing science education in creative and enjoyable manner to students from rural India. This centre can be of very much helpful to students. For this project they congratulated to Dr. Vinayraoji Kore and whole team.

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28/2/2018	Dr. Yogesh Shouche In Charge, National Centre for Microbial Resource, National Centre for Cell Science, Pune	A very impressive set up which is well managed. Students will immensely benefit from this centre.
8/3/2018	Mr. Akhilesh Mishra Senior Vice President, Human Resource, Bharat Serums & Vaccines Limited	This centre is not just offering education but give easy learning. This service is not only to the students of this location but also to the future of the country.
22/3/2018	Mrs. Bhagyashree, Kalyani, Mangal, Geeta & Mr. Khandekar Sir, We Care, Kolhapur	This is the best exhibition in this area. This is need of time and proud to see that such centre fully fledged working centre and will surely spread in the world around.
26/3/2018	Mr. Manish Praful Ranbhise Dy. CFO Kolhapur Municipal Corporation.	He feels that, it is best facility in premises. Students of various classes can get a very good knowledge and become Scientist.
3/4/2018	Mr. Manojkumar RBN lite, HR Head	This is very fantastic facility in rural area. There is need to spread such facility in the nooks and corners of the Maharashtra.
12/4/2018	Dr. Yogesh Kulkarni CEO, Vigyan Ashram, Pabal	Very excellent Centre and would like to visit it again after complete development.
20/4/2018	Dr. M. S. Kondawar, HOD, Pharmaceutical Dept., ABCP, Sangli	The centre is very excellent and gives an opportunity to school students to understand the concepts in science. This centre also helps to motivate the students to build their career in Science.
26/4/2018	Dr. Arvind C. Ranade, Scientist E, Vigyan Prasar, DST	Excellent facilitation, conducive environment, cooperative work culture and healthy atmosphere at WSIAC.
26/4/2018	Mr. Narender Singh PGT, Delhi Education Department	This is an excellent place for education and innovation.

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Visit of **Hon. Mr. Dhaval Kulkarni**, Cricket Player, Team India (21/07/2017)



Visit of **Hon. Mr. Indrajit Deshmukh**, Additional CEO, ZP Kolhapur (31/01/2018)

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Visit of **Hon. Mr. Sudheendra Kulkarni**, Former Director, PMO India (13/2/2018)



Visit of **Hon. Dr. Yogesh Shouche**, In Charge, National Centre for Microbial Resource, National Centre for Cell Science, Pune (28/2/2018)

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Visit of **Hon. Mr. Akhilesh Mishra**, Senior Vice President, Human Resource, Bharat Serums & Vaccines Limited (8/3/2018)



Visit of **Mrs. Bhagyashree, Kalyani, Magal, Geeta & Mr. Khandekar**, We Care, Kolhapur (22/3/2018)

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Visit of **Hon. Mr. Manojkumar**, RBN lite, HR Head (3/4/2018)



Visit of **Dr. Yogesh Kulkarni**, CEO, Vigyan Ashram, Pabal (12/04/2018)

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Dr. M. S. Kondawar, HOD, Pharmaceutical Dept., ABCP, Miraj (20/4/2018)



Dr. Arvind Ranade, Mr. Kapil Tripathi, Dr. Mukesh Roy, Mr. Narender Singh, Vigyan Prasara, New Delhi (26/04/2018)

Educational Material Donated by Vigyan Prasar to WSIAC:

Activity Kits

Sr. No.	Name of Kit	Quantity	No. of Activities Can be Performed	Produced and Supplied by
1.	Chemistry	02	45	Vigyan Prasar, Gujarat Council of Science City
2.	Emergence of Modern Physics	02	28	Vigyan Prasar
3.	Weather	02	35	Vigyan Prasar
4.	Biodiversity	02	51	Vigyan Prasar
5.	Bhookamp	02	22	Vigyan Prasar
6.	Astronomy	02	30	Vigyan Prasar

Books

Sr. No.	Book Name	Author	Publisher	Supplier	Price (Rs.)
1.	All about having a Baby	Agrawal yatis	Vigyan Prasar	Vigyan Prasar	140.00
2.	Such to kuch aur hai	Narendra Sahgal	Vigyan Prasar	Vigyan Prasar	--
3.	Kyon aur kaise	Ghose Partha	Vigyan Prasar	Vigyan Prasar	149.00
4.	Fun and Science at home	Bhansali Jyoti	Vigyan Prasar	Vigyan Prasar	130.00
5.	Genetics in Heaven: A virtual discussion	Burma	Vigyan Prasar	Vigyan Prasar	100.00
6.	Mars Beckons india	Srinivas Laxman	Vigyan Prasar	Vigyan Prasar	175.00
7.	Development and Validation of Urban Properties	Ratho P. K.	Vigyan Prasar	Vigyan Prasar	250.00
8.	Yash Pal: A Life in Science	Biman Basu	Vigyan Prasar	Vigyan Prasar	225.00
9.	Exploring Nature	Pattnaik N. M.	Vigyan Prasar	Vigyan Prasar	65.00
10.	Some Pioneers of Mathematics	Mahanti Subodh	Vigyan Prasar	Vigyan Prasar	200.00
11.	Mousam	Sharma Shyamsundar	Vigyan Prasar	Vigyan Prasar	75.00
12.	Founders of Modern Astronomy: From Hipparchus to Hawking	Mahanti Subodh	Vigyan Prasar	Vigyan Prasar	150.00
13.	Alternatives to Pesticides in Tropical	Dudari A. T.	Vigyan Prasar	Vigyan Prasar	250.00

	Countries				
14.	Communication Science Questions and Issues of Concerns	Sehgal Naronder	Vigyan Prasar	Vigyan Prasar	100.00
15.	A Stroll Through Space-Time: A leisurely discourse on Einstein's Theory of Relativity	Popli Rakesh	Vigyan Prasar	Vigyan Prasar	75.00
16.	The Quest for New Materials	Lakshmikummar S.T.	Vigyan Prasar	Vigyan Prasar	120.00
17.	Myths and Legends Related to Eclipses	Rana N. C.	Vigyan Prasar	Vigyan Prasar	21.00
18.	Know More about Jaundice	Sinha R. S. K.	Vigyan Prasar	Vigyan Prasar	31.00
19.	Grager Mendal	Mishra Vinodkumar	Vigyan Prasar	Vigyan Prasar	50.00
20.	Heretic to Hero: Galileo Galilei-Rebel Astronomer	T V Venkateswaran	Vigyan Prasar	Vigyan Prasar	120.00
21.	Megacities	Jayan T. V.	Vigyan Prasar	Vigyan Prasar	70.00
22.	Glimpses into True Life and Works of J. Medhi	Chandra Kanta Chetia	Vigyan Prasar	Vigyan Prasar	95.00
23.	Krishna Vivar or Vigyan Kughae	Jayant Narlikar	Vigyan Prasar	Vigyan Prasar	110.00
24.	Science in Indian Media	Dilip M. Salwi	Vigyan Prasar	Vigyan Prasar	200.00
25.	Vigyan Ki Vikalangata Par Vijay	Vinod Kumar Mishra	Vigyan Prasar	Vigyan Prasar	120.00
26.	Dekha Parakha Sach	Harikrishna Devasare	Vigyan Prasar	Vigyan Prasar	
27.	Prakriti Ki lay	Amit Kumar	Vigyan Prasar	Vigyan Prasar	100.00
28.	Dainik Jeevan Me Vigyan	JBS Halden	Vigyan Prasar	Vigyan Prasar	150.00
29.	Tehri Hydro-Electric Project	Jagdish Bahadur	Vigyan Prasar	Vigyan Prasar	125.00
30.	Hello Star	Usha Srinivasan	Vigyan Prasar	Vigyan Prasar	60.00
31.	The Mysterious Moon and India's Chandrayaan Mission	Narendra Bhandari	Vigyan Prasar	Vigyan Prasar	195.00
32.	Rockets and Beyond	VP. Balagangadharan	Vigyan Prasar	Vigyan Prasar	125.00
33.	Origami: Fun and	V.S.S. Sastry	Vigyan Prasar	Vigyan Prasar	65.00

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	Mathematics				
34.	Stroy of Chemistry	Anirban Hazra	Vigyan Prasar	Vigyan Prasar	75.00
35.	Global Warming and Health	Alok Mukherjee	Vigyan Prasar	Vigyan Prasar	80.00
36.	Mountains Under Siege	Hasan Jawaid Khan	Vigyan Prasar	Vigyan Prasar	70.00
37.	Moments in Mathematics	Rintu Nath	Vigyan Prasar	Vigyan Prasar	110.00
38.	Mangroves	R. Panneerselvam	Vigyan Prasar	Vigyan Prasar	60.00
39.	Sex, Sexually Transmitted Diseases and AIDS	Dr. R. S. Misra	Vigyan Prasar	Vigyan Prasar	65.00
40.	Understanding Asthma	Dr. S. K. Sharma	Vigyan Prasar	Vigyan Prasar	34.00
41.	Planet Earth in a Nutshell	Biman Basu	Vigyan Prasar	Vigyan Prasar	65.00
42.	Natak Natak Me Vigyan	Devendra Mevadi	Vigyan Prasar	Vigyan Prasar	250.00
43.	Akash Darshan Ka Anand	Rakesh Popli	Vigyan Prasar	Vigyan Prasar	15.00
44.	All Motion is Relative	V.B. Kamble	Vigyan Prasar	Vigyan Prasar	35.00
45.	Khanpan or Rasayan	Krishnakumar Mishra	Vigyan Prasar	Vigyan Prasar	150.00
46.	Thumbprints	Arvind Gupta	Vigyan Prasar	Vigyan Prasar	45.00
47.	Vaigyanik Drushtikon	Mahanti Subhod	Vigyan Prasar	Vigyan Prasar	--
48.	Chemistry Behind Miracles	Puneeta Malhotra	Vigyan Prasar	Vigyan Prasar	100.00
49.	Dinosaurs: Myths and Facts	Dr. Umesh Behari Mathur & Dr. Neera Mathur	Vigyan Prasar	Vigyan Prasar	120.00
50.	Pump hi Pump	Suresh Vaidyarajan	Vigyan Prasar	Vigyan Prasar	40.00
51.	Gilas Se Kuchh aur Khel	Pratapmal Devpura	Vigyan Prasar	Vigyan Prasar	30.00
52.	Gilas Se Khel Karake Dekho	Pratapmal Devpura	Vigyan Prasar	Vigyan Prasar	35.00
53.	Chinu Visits Microworld	Y.R. Wagthmare	Vigyan Prasar	Vigyan Prasar	150.00
54.	Lets Sing and Play	NCSTC	Vigyan Prasar	Vigyan Prasar	10.00
55.	The Bicycle Story	Vijay Gupta	Vigyan Prasar	Vigyan Prasar	25.00
56.	Leaf Zoo	Arvind Gupta	Vigyan Prasar	Vigyan Prasar	20.00

57.	Hum Nanhe Vigyani Hai	Madhu Pant	Vigyan Prasar	Vigyan Prasar	75.00
58.	Square Pegs in Round Holes	Ravindra Keskar	Vigyan Prasar	Vigyan Prasar	80.00
59.	The Story of Physics	T. Padmanabhan	Vigyan Prasar	Vigyan Prasar	50.00
60.	Moths of India –an introduction	Isaac Kehimkar	Vigyan Prasar	Vigyan Prasar	55.00
61.	Charles Darwin's Autobiography	--	Vigyan Prasar	Vigyan Prasar	60.00
62.	Venus and its Transits	S.P. Pandya, J.N. Desai and S.R. Shah	Vigyan Prasar	Vigyan Prasar	45.00
63.	Earth's Changing Climate	Biman Basu	Vigyan Prasar	Vigyan Prasar	60.00
64.	Environment and Self Reliance	Yona Friedmann	Vigyan Prasar	Vigyan Prasar	55.00
65.	Vigyan Ke Prayog	Devpura Pratapmal	Vigyan Prasar	Vigyan Prasar	95.00
66.	To Reach the Stars or Dig the Earth	G. Padmanaban	Vigyan Prasar	Vigyan Prasar	170.00
67.	Urvark aur poshan	Dr. Dinesh Mani	Vigyan Prasar	Vigyan Prasar	120.00
68.	Everything Has a History	J. B. S. Haldane	Vigyan Prasar	Vigyan Prasar	90.00
69.	Bamboo	C. Barooah	Vigyan Prasar	Vigyan Prasar	125.00
70.	Chhote Chhote Navacharonki Vishwavyapi Upayogita	Laxman Prasad	Vigyan Prasar	Vigyan Prasar	130.00
71.	Fresh Water Fishes of Central India	Nilesh Heda	Vigyan Prasar	Vigyan Prasar	125.00
72.	Story of the Sky	Samar Bagachi	Vigyan Prasar	Vigyan Prasar	50.00
73.	Farmi Ke Prashna Ya Anuman Lagane Ki Kala	Vinay B. Kamble	Vigyan Prasar	Vigyan Prasar	20.00
74.	Many Approaches to $(-1)*(-1)=1$	V. S. S. Sastry	Vigyan Prasar	Vigyan Prasar	50.00
75.	Appreciating the Environment	M. A. Haque	Vigyan Prasar	Vigyan Prasar	200.00
76.	Story of Stone	D.N. Wadia	Vigyan Prasar	Vigyan Prasar	25.00
77.	Evolution of Our Understanding of the Planetary Motions	J.N. Desai, N.M. Ashok, V.B. Kamble, S.P. Pandya	Vigyan Prasar	Vigyan Prasar	75.00
78.	Delhis Water and Solid Waste Management	S. K. Rohila	Vigyan Prasar	Vigyan Prasar	100.00

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79.	The Chemical History of a Candle	Michael Faraday60	Vigyan Prasar	Vigyan Prasar	--
80.	365 Science Experiments	--	Om Kidz	Vigyan Prasar	450.00
81.	Ships and Submarines	Steve Parkur	Miles Kelly	Vigyan Prasar	--
82.	Iodine Sainik	Dr. Arvinda Gupta	Vigyan Prasar	Vigyan Prasar	40.00
83.	Digital Madhyam aur Hindi Me Vigyan Sanchar	Om Vikas	Vigyan Prasar	Vigyan Prasar	75.00
84.	Tinku Ustad	Indu Bhushan Mittal	Vigyan Prasar	Vigyan Prasar	160.00

CD's:

Sr. No.	Name of CD	No. of CD's	Language	Produced by	Price
1.	The Taming of Chance	01	English	Vigyan Prasar	50.00
2.	The Giant Eye to Explore the Universe	01	English/Hindi	T. V. Venkateswaran	50.00
3.	Discovery of Electron	01	English	Vigyan Prasar	--
4.	Getting on Wings	01	English	Vigyan Prasar	--
5.	Relativity	01	English/Hindi	Vigyan Prasar	50.00
6.	Discovery of Radioactivity	01	English	Vigyan Prasar	--
7.	Buzz of Pollinators	01	English	Vigyan Prasar	50.00
8.	Discovery of X-rays	01	English	Vigyan Prasar	--
9.	India @ the LHC	01	English	Vigyan Prasar	50.00
10.	The Story of Messenger Radio Waves	01	English	Vigyan Prasar	--
11.	Quantum Era	01	English	Vigyan Prasar	--
12.	The Darwin Puzzle	01	English/Hindi	Vigyan Prasar	50.00
13.	Life of Times of P. C. Ray	03	English/Hindi	Vigyan Prasar	150.00
14.	Babulal Saraf Master Experimentalist	01	English	Chrysalis Films	50.00
15.	The Genius of Srinivasa Ramanujan	01	English	Vigyan Prasar and ISER Pune	50.00
16.	Immortal Coils	01	English	Vigyan Prasar	50.00
17.	P. C. Vaidhya, Prof. A. K. Raychoudhary	01	English	Vigyan Prasar	50.00
18.	C. V. Raman	01	English	Vigyan Prasar	50.00
19.	India Innovates	01	English	Credence Media Solutions	--
20.	Prof. Yash Pal : Man of Science and People	01	English	Vigyan Prasar	50.00
21.	Prof. A. R. Rao: Everybody is	01	English	Vigyan Prasar	50.00

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	Mathematecian				
22.	In the Footsteps of K. S Krishnan	01	English/Hindi	Vigyan Prasar	50.00
23.	The Man of Science and Action	01	English	Vigyan Prasar	50.00
24.	India at IT Revolution Part I, II, III	01	English	Vigyan Prasar	300.00
25.	A Question of Science Vol-I	03	English	Vigyan Prasar	150.00
26.	A Question of Science Vol-II	03	English	Vigyan Prasar	150.00
27.	A Question of Science Vol-III	03	English	Vigyan Prasar	150.00
28.	The Maths Factor Vol-0I	02	English	Vigyan Prasar	100.00
29.	The Maths Factor Vol-0II	02	English	Vigyan Prasar	100
30.	Fun with Physics	01	English	Vigyan Prasar	--
31.	Jo Hai Jaisa Kyu Hai Vaisa?	05	English	Vigyan Prasar	300.00
32.	Innovative Experiments in Physics	01	English	Vigyan Prasar	--
33.	Dream 2047	01	English	Vigyan Prasar	--
34.	Optics	01	English	Vigyan Prasar	--
35.	Posters on India and Mathematics	01	English	Vigyan Prasar	50.00
36.	Biographies of Famous Mathematician	01	English	Vigyan Prasar	50.00
37.	The Magical Year	01	English	Vigyan Prasar	100.00
38.	The First Modern Indian Scientist: Acharya Jagdishchandra Bose Part I	01	English/Hindi	Vigyan Prasar	50.00
39.	The First Modern Indian Scientist: Acharya Jagdishchandra Bose Part II	01	English/Hindi	Vigyan Prasar	50.00
40.	Prachin Bharat Me Vigyan, Plastic Surgery	01	Hindi	Vigyan Prasar	50.00
41.	Sour Jagat Ki Duniya	01	Hindi	Vigyan Prasar	50.00
42.	Jeev Vigyan Ki Duniya	03	Hindi	Vigyan Prasar	150.00
43.	Socho Parakho Jaano Suron Mein Science	01	Hindi	Vigyan Prasar	--
44.	Khoj Khagoliya Ikai Ki	01	Hindi	Harkara Media for Vigyan Prasar	50.00
45.	Anant Yatra	01	Hindi	Vigyan Prasar	50.00
46.	Computer Ki Duniya	01	Hindi	Vigyan Prasar	50.00
47.	Suraj Jamin Par	01	Hindi	Vigyan Prasar	100.00
48.	Taron Ki Sair Vol-I	03	Hindi	Vigyan Prasar	300.00
49.	Taron Ki Sair Vol-II	03	Hindi	Vigyan Prasar	300.00
50.	The Heated Debate	01	Hindi	Vigyan Prasar	50.00
51.	Khudbud Khel Vigyan Ke Khudbud Vol-I	03	Hindi	Vigyan Prasar	--

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52.	Khudbud Khel Vigyan Ke Khudbud Vol-II	03	Hindi	Vigyan Prasar	--
53.	Khudbud Khel Vigyan Ke Khudbud Vol-III	03	Hindi	Vigyan Prasar	--
54.	Khudbud Khel Vigyan Ke Khudbud Vol-IV	03	Hindi	Vigyan Prasar	--
55.	Khudbud Khel Vigyan Ke Khudbud Vol-V	03	Hindi	Vigyan Prasar	--
56.	Khudbud Khel Vigyan Ke Khudbud Vol-VI	03	Hindi	Vigyan Prasar	--
57.	Har Mutthi Me Science Vol-I, II, III	03	Hindi	Vigyan Prasar	--
58.	Dekh Khel Ke Vol-I	02	Hindi	Vigyan Prasar	--
59.	Dekh Khel Ke Vol-II	02	Hindi	Vigyan Prasar	--
60.	Kuch Tukke Kuch Teer Vol-I	03	Hindi	Vigyan Prasar	150.00
61.	Kuch Tukke Kuch Teer Vol-II	03	Hindi	Vigyan Prasar	150.00
62.	Bate Raj Ki Vol-II	04	Hindi	Vigyan Prasar	200.00
63.	Ubharati Praudyogiki Sanvarata Kal	02	Hindi	Vigyan Prasar	200.00
64.	Aisa Hi Hota Hai Vol-II	08	Hindi	Vigyan Prasar	400.00
65.	Prakash Kirano Ke Rahashya	01	Hindi	Vigyan Prasar	200.00
66.	Naino Ki Duniya	01	Hindi	Vigyan Prasar	--
67.	Dharati Meri Dharati	01	Hindi	Vigyan Prasar	--
68.	Manav Ka Vikas (MP3)	01	Hindi	Vigyan Prasar	100.00
69.	Bharatiya Vaigyaniko Ke Preranapad Karya our Jeevan	01	Hindi	Vigyan Prasar	100.00
70.	Vigyan Ke Pathik	01	Hindi	Vigyan Prasar	--
71.	Kahani Dharati Ki Vol-I	03	Hindi	Vigyan Prasar	--
72.	Kahani Dharati Ki Vol-II	03	Hindi	Vigyan Prasar	--
73.	Jeete Raho Vol-I	03	Hindi	Vigyan Prasar	--
74.	Jeete Raho Vol-II	03	Hindi	Vigyan Prasar	--

Educational Material Donated by SAGLO Research Equipments to WSIAC:

Sr. No.	Name of Kit	Quantity	Produced and Supplied by	Price (Rs.)
1.	Digital Micro Imaging Adaptor	03	SAGLO Research Equipments, Miraj	45000.00

List of activities organized by WSIAC:

1. National Mathematics Day (22nd December, 2017)
2. Fundamentals of Electronics (17th January, 2018)
3. Kolhapur District Secondary School Teacher's Discussion of Science and Mathematics Subject (27th January, 2018)
4. Lunar Eclipse Observation Workshop (31st January, 2018)
5. National Science Day (28th February, 2018)
6. Jr. College Teacher's Workshop (12th April, 2018)
7. Four days student workshop on 'Activity based Science & Technology Learning' (19th – 22nd April, 2018)
8. Two days Science teachers workshop on 'Fostering Creativity & Innovation in Science Education' (26th & 27th April, 2018)

Activity Reports:

National Mathematics Day (22nd December, 2017)

राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन महाराष्ट्र शासनाचा उपक्रम..

वारणा विज्ञान केंद्र आणि तात्यासाहेब कोरे इन्स्टिट्यूट ऑफ इंजिनिअरिंग अँड टेक्नॉलॉजी (पॉलिटेक्नीक)
यांच्या संयुक्त विद्यमाने

राष्ट्रीय गणित दिनानिमित्त गणिताच्या शिक्षकांसाठी कार्यशाळा
'गणिताच्या विश्वात' २२ डिसेंबर २०१७

श्री वारणा विभाग शिक्षण मंडळ

सहकारमहर्षी तात्यासाहेब कोरे यांनी समाजातील गरीब व होतकरु विद्यार्थ्यांना उच्चशिक्षण देण्यासाठी श्री वारणा विभाग शिक्षण मंडळ, वारणानगर या शिक्षण संस्थेची १९६४ साली स्थापना केली. या शिक्षण संस्थेमध्ये अगदी बालवाडी पासून पी.एच.डी. पर्यंत शिक्षण दिले जाते. शिक्षण संस्थेमध्ये निवासी, मराठी, सेमी-इंग्लिश, इंग्लिश माध्यम, मिलीटरी स्कूल, सी.बी.एस.ई स्कूल अतिशय उत्कृष्टपणे चालवले जाते.

वारणा विज्ञान केंद्र

शालेय विद्यार्थ्यांमध्ये विज्ञान विषयीचे कुतुहल वाढावे, विद्यार्थ्यांच्या आणि शिक्षकांच्या मनातील संकल्पना आणि विज्ञानाकडे पाहण्याचा दृष्टीकोन वृद्धीगत होण्यासाठी, राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन यांच्या सहकार्यातून आणि आदरणीय डॉ.अनिल काकोडकर यांच्या शुभवहस्ते २४ फेब्रुवारी-२०१७ मध्ये वारणा विज्ञान केंद्राचे उद्घाटन मा.डॉ.विनयजी कोरे (सावकर) यांच्या उपस्थितीत झाले.

कार्यशाळेविषयी

'गणित' जीवनाचा अविभाज्य घटक पण गणिताचा इतिहास आपणास माहीत आहे का..? राष्ट्रीय गणित दिवस का व कोणाच्या स्मरणार्थ साजरा केला जातो..? गणिताचा इतंभुत इतिहास आणि गणितातील काही क्लिष्ट वाटणाऱ्या संकल्पना अगदी गमतीशीरपणे अनुभवण्यास आणि शिकण्यासाठी वारणा विज्ञान केंद्राने गणिताच्या शिक्षकांसाठी गणिताच्या विश्वात या कार्यशाळेचे आयोजन केले आहे.

प्रमुख वक्ते

श्री. एस्. एम्. गोलगिरे
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कार्यक्रमाचे अध्यक्ष

डॉ. विनयरावजी कोरे (सावकर)
अध्यक्ष, श्री वारणा विविध उद्योग व
शिक्षण संकुल, वारणानगर

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प्राचार्य, टी.के.आय.ई.टी. (पॉलिटेक्नीक)
वारणानगर

श्री. एस. एस. पाटील | **श्री. एस. एच. मोरे** | **श्री. पी. एस. कुंभार** | **श्री. पी. डी. लोले**
सायन्टिफिक ऑफिसर | सायन्टिफिक ऑफिसर | सायन्टिफिक ऑफिसर | सायन्टिफिक ऑफिसर

*** स्थळ : वारणा विज्ञान केंद्र, वारणानगर * वेळ : स.१०.३० ते दु. ४.००**

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About workshop:

Mathematics is the prime factor of everybody's life; but are we aware about history of Mathematics...? Do you know why and when we celebrate National Mathematics Day...? To know the actual history of Mathematics, to experience & understand various complicated concepts in Mathematics, Warana Science & innovation Activity Centre has organized one day workshop for Mathematics teachers on 'Ganitachya Vishwat'.

SCHEDULE

TIME	EVENTS
10.00 - 10.30 am	Registration
10.30 - 10.35 am	<ul style="list-style-type: none">• Felicitation of chief guest
10.35 - 10.45 am	<ul style="list-style-type: none">• Introductory Speech Prof. S. S. Patil Scientific officer, WSIAC
10.45 - 10.55 am	<ul style="list-style-type: none">• Speech• Dr. S. V. Anekar, Principal, Tatyasaheb Kore Institute of Engineering and Technology
10.55 - 11.00am	<ul style="list-style-type: none">• Introduction of Chief Guest• Prof. P. S. Kumbhar Scientific officer, WSIAC
11.00 am - 01.00 pm	<ul style="list-style-type: none">• Speech by Chief Guest• Mr. S. N. Golgire Assistant Professor, Dept. of Mathematics, Yashwanrao Chavan Warana Mahavidyalay, Warananagar
01.00 - 01.10 pm	<ul style="list-style-type: none">• Speech• Prof. B. V. Birajdar Principal, Tatyasaheb Kore Institute of Engineering and Technology (Polytechnic)
01.10 - 02.00 pm	<ul style="list-style-type: none">• Lunch Break
02.00 - 02.45 pm	<ul style="list-style-type: none">• Introduction of Maths Clinic• Mr. Sharad Gaikwad
02.45 - 02.50 pm	<ul style="list-style-type: none">• Vote of thanks• Prof. S. H. More Scientific officer, WSIAC
02.50 - 04.00 pm	<ul style="list-style-type: none">• Visit of delegates to WSIAC

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Workshop Report:

On the occasion of National Mathematics Day i.e. 22nd December, Mathematics teacher's workshop on 'Ganitachya Vishwat' was organized by WSIAC. The workshop was inaugurated by chief guest Mr. S. N. Golgire Assistant Professor, Dept. of Mathematics, Yashwanrao Chavan Warana Mahavidyalay, Warananagar, in presence of Dr. S. V. Anekar, Principal, Tatyasaheb Kore Institute of Engineering and Technology, Prof. B. V. Birajdar, Principal, Tatyasaheb Kore Institute of Engineering and Technology (Polytechnic) and all Scientific Officers of WSIAC. Scientific Officer Prof. S. S. Patil gave introductory speech. Principal Dr. S. V. Anekar shared their thoughts about importance of Mathematics and Mathematics Teacher in our life.

Scientific Officer Prof. P. S. Kumbhar has introduced the chief guest. Prof. S. N. Golgire. The chief guest started the session with precious history of Mathematics. He explained few extraordinary tricks in second session. Girls from Mathematics department sang Mathematics Accolade.

Prof. B. V. Birajdar explained the role of primary and secondary students in building careers of students in short. Mr. Sharad Gayakwad from Maths Clinic, Pune demonstrated working and benefits of 'Maths Clinic' website. Finally, Scientific Officer Prof. S. H. More gave the vote of thanks.

For this workshop more than 55 participants were present. Few of the participant like Mr. D. S. Dalvi of Bahadurwadi Vidyalaya, Bahadurwadi and Mr. S. P. Bhosale of Jakhale High school, Jakhale shared their valuable feedback and suggestions about importance and benefits of the workshop for teachers as well as students.



Inauguration of workshop by Mr. S. N. Golgire

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Felicitation of Mr. S. N. Golgire by Dr. S. V. Anekar



Introductory speech by Prof. S. S. Patil

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Speech by **Dr. S. V. Anekar**



Introduction of Chief Guest by **Prof. P. S. Kumbhar**

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Speech by Chief Guest Mr. S. N. Golgire



Delegates

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Speech by **Prof. B. V. Birajdar**



Introduction of Maths Clinic by **Mr. Sharad Gaikwad**



Girls singing Mathematics Accolade



Delegates expressing their valuable feedback about workshop

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Certificate distribution



Vote of thanks given by **Prof. S. H. More**

Fundamentals of Electronics (17th January, 2018)

Patron

Hon. Dr. Vinayraoji Kore (Savkar)

President

Warana Industrial & Educational Complex, Warananagar

Resource Persons

Prof. S. S. Patil

Scientific Officer

Prof. S. H. More

Scientific Officer

Prof. P. D. Lole

Scientific Officer

Organising Committee

Dr. J. I. Disouza

Principal Co-ordinator

Prof. S. S. Patil

Scientific Officer

Prof. S. H. More

Scientific Officer

Prof. P. S. Kumbhar

Scientific Officer

Prof. P. D. Lole

Scientific Officer

SCHEDULE

TIME	EVENTS
10.00 – 10.10 am	<ul style="list-style-type: none">• Felicitation of Chief Guest
10.20 – 10.25 am	<ul style="list-style-type: none">• Introduction of chief guest
10.25 – 10.40 am	<ul style="list-style-type: none">• Keynote Speech• Mr. Sadanand Bhagwat
10.40 – 11.40 am	<ul style="list-style-type: none">• Session 1• Prof. S. H. More Scientific officer, WSIAC
11.40 am – 12.40 pm	<ul style="list-style-type: none">• Session 2• Prof. P. D. Lole Scientific officer, WSIAC
12.40 – 01.30 pm	<ul style="list-style-type: none">• Session 3• Prof. S. S. Patil Scientific officer, WSIAC
01.30 pm	<ul style="list-style-type: none">• End of workshop

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Workshop Report:

On 17th January 2018, Wednesday, workshop on “Fundamentals of Electronics” was organised at WSIAC. Mr. Sadanand Bhagwat from Deorukh, was chief guest for the workshop. He highlighted the importance of such workshops in student's life. Also he shared his experiences which was very valuable for students for betterment of their career and mentioned how ethical values are important in nation building. This workshop was conducted by in-house faculties.

Prof. S. H. More started the session with basic electrical and electronics parameters. He explained different components used in electronics with their applications. With the help of available components and material they explained all the basic concept and actual working. Next session was conducted by Prof. P. D. Lole on the topic “Different sensors and their applications”. Basic features and working principle of sensors were elaborated by him. Prof. S. S. Patil explained important concepts in digital electronics like logic gates, IC's, etc.

For this workshop 63 participants (students and staff) were present. There was nice interaction between participants and organizers. This workshop was very much fruitful to the participants. Workshop was concluded with the feedback by the participants.



Hon. Mr. Sadanand Bhagwat addressing the delegates

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Session by Prof. S. H. More



Students for workshop

Kolhapur District Secondary School Teacher's Discussion of Science and Mathematics Subject (27th January, 2018)

About Workshop:

The main objective of the workshop was to emphasize the importance of science in the human life. To highlight the importance of activity based learning in the teaching of science and mathematics for better understanding of the students. Moreover, address the significance of actual implementation of concepts in Science for the benefit of society. The role of science centre to reduce the gap between theoretical and practical knowledge and in the promotion of students and teachers from the scientific point of view.

Patron

Hon. Dr. Vinayraoji Kore (Savkar)

President

Warana Industrial & Educational Complex, Warananagar

Resource Persons

Hon. Dr. Vilas Patil

Principal, DIECPD, Kolhapur

Hon. Mr. Rajkumar Bharti

Senior Lecturer, DIECPD,
Kolhapur

Hon. Mr. Kiran Lohar

Educational Officer
(Secondary), Zilla Parishad,
Kolhapur

Organising Committee

Dr. J. I. Disouza

Principal Co-ordinator

Prof. S. S. Patil

Scientific Officer

Prof. S. H. More

Scientific Officer

Prof. P. S. Kumbhar

Scientific Officer

Prof. P. D. Lole

Scientific Officer

SCHEDULE

TIME	EVENTS
09.00 - 10.00 am	Registration, Breakfast & Tea
10.00 am -12.00 pm	INAUGURAL FUNCTION <ul style="list-style-type: none"> ❖ Deep Prajwalan and Poojan By the Auspicious Hands of Hon. Dr. Vilas Patil, Principal, DIECPD, Kolhapur. ❖ Felicitation of dignitaries by Dr. J. I. D'souza ❖ Welcome speech: Mr. R. D. Bharti, Senior Lecturer, DIECPD, Kolhapur ❖ Keynote speech: Hon. Dr. Vilas Patil ❖ Speech by Dr. S. V. Anekar ❖ Speech by Prof. B. V. Birajdar ❖ Speech by Dr. J. I. D'souza
12.00-01.00 pm	Visit of Delegates to WSIAC
01.00- 02.00 pm	Lunch Break
02.00 -04.00 pm	Poster Presentation
04.00 -05.00 pm	Valedictory and Prize Distribution

Workshop report:

Workshop was inaugurated by dignitaries with 'Deep Prajwalan and Poojan'. Workshop Inauguration was done by the auspicious hand of Dr. Vilas Patil and dignitaries on the dais. Mr. R. D. Bharti, Senior Lecturer, DIECPD, Kolhapur welcomed all the delegates. Dr. Vilas Patil, Principal, DIECPD, Kolhapur delivered keynote address to the delegates. He highlighted the importance of science and mathematics in the life of students. He also 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. Then Dr. S. V. Anekar, Principal, Tatyasaheb Kore Institute of Engineering and Technology, and Prof. B. V. Birajdar, Principal, Tatyasaheb Kore Institute of Engineering and Technology (Polytechnic) highlighted the importance of technology in human life and the different government scholarship schemes available for diploma and degree students. Then Dr. J. I. Disouza, Principal Coordinator, WSIAC addressed the importance of activity based learning and teaching, and today's need of innovation and the role of science centre to create interest of science in the students. He also highlighted the facilities available in the science centre for the students.

After this, visit of all the teachers to WSIAC was arranged. The teachers were keenly visited and learned the various fundamental concepts of science, physics, chemistry, biology, electronics, robotics, mission to mars through exhibits, experiments and presentations.

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Then, Science and Mathematics poster and paper presentation session was conducted. Teachers presented the posters and papers based some innovative concepts for teaching of those subject.

In the evening, valedictory function was presided by Hon. Dr. Vinayraoji Kore, President, Warana Educational and Industrial Complex, in presence of Mr. Kiran Lohar, Educational Officer (Secondary), Zilla Parishad, Kolhapur. Dr. Vinayraoji Kore suggested preferring mother tongue for the learning & teaching of different subjects. Mr. Kiran Lohar highlighted different government policies which will be helpful for the teachers as well as students. Finally, winners of posters and paper presentation competition were honoured by Dr. Vinayraoji Kore.



Keynote address by **Hon. Dr. Vinayraoji Kore (Savkar)**



Deep Prajwalan

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Felicitation of Dr. Vilas Patil by Dr. J. I. Disouza



Keynote address by Dr. Vilas Patil

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Delegates



Poster Presentation by Delegates

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Visit of delegates to WSIAC



Prize Distribution



Delegates

Lunar Eclipse Observation Workshop (31st January, 2018)

About Workshop:

What is Eclipse...? When it takes place...? What are the different types of Eclipse...? How we can observe the Eclipse...? For getting answers of questions like these and to overcome the misunderstandings in the society about the Eclipse, WSIAC has organized Lunar Eclipse observation workshop.

Patron

Hon. Dr. Vinayraoji Kore (Savkar)

President

Warana Industrial & Educational Complex, Warananagar

Resource Persons

Dr. S. G. Jambhale

Assistant Professor, Dept. of Geography,
Yashwanrao Chavan Warana Mahavidyalay,
Warananagar

Dr. R. B. Patil

Assistant Professor, Dept. of Geography,
Yashwanrao Chavan Warana Mahavidyalay,
Warananagar

Organising Committee

Dr. J. I. Disouza

Principal Co-ordinator

Prof. S. S. Patil

Scientific Officer

Prof. S. H. More

Scientific Officer

Prof. P. S. Kumbhar

Scientific Officer

Prof. P. D. Lole

Scientific Officer

SCHEDULE

TIME	EVENTS
04.30 – 04.40 pm	Welcome and Felicitation of Chief Guest
04.40 – 04.50 pm	<ul style="list-style-type: none">• Introductory Speech• Dr. J. I. Disouza• Principal Co-ordinator, WSIAC
04.50 – 05.00 pm	<ul style="list-style-type: none">• Introduction of Chief Guest• Prof. S. H. More Scientific Officer, WSIAC
Session I 05.00 – 05.45 pm	<ul style="list-style-type: none">• Speech• Dr. S. G. Jambhale Assistant Professor, Dept. of Geography, Yashwanrao Chavan Warana Mahavidyalay, Warananagar
Session II 05.45 – 08.45 pm	<ul style="list-style-type: none">• Eclipse Observation• Dr. R. B. Patil Assistant Professor, Dept. of Geography, Yashwanrao Chavan Warana Mahavidyalay, Warananagar
08.45 – 08.50 pm	<ul style="list-style-type: none">• Vote of Thanks• Prof. S. S. Patil Scientific Officer, WSIAC
08.50 pm	<ul style="list-style-type: none">• End of the Programme

Workshop report:

Lunar Eclipse observation workshop was organized at WSIAC from 04.30 pm to 08.50 pm. Welcome and felicitation of the chief guests Dr. S. G. Jambhale, Assistant Professor, and Dr. R. B. Patil, Assistant Professor, Dept. of Geography, Yashwanrao Chavan Warana Mahavidyalay, Warananagar was done by Dr. J. I. D'souza, Principal Co-ordinator, WSIAC in presence of Mr. S. P. Bhosale from Jakhale Highschool and all the scientific officers of WSIAC. Dr. J. I. D'souza delivered introductory speech. Scientific Officer, Prof. S. H. More introduced the chief guests.

Dr. S. G. Jambhale started the session with basics of solar system. In that, he covered concepts related to the Sun, the Earth and the Moon. What is eclipse? When and why it happens? Different types of eclipse and much more questions were answered by Dr. S. G. Jambhale and

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Dr. R. B. Patil, with the help of interesting videos. The Lunar Eclipse using telescope was observed on the terrace of WSIAC.

Hon. Mr. Indrajit Deshmukh Additional CEO, Zilla Parashid, Kolhapur, visited WSIAC during workshop and also enjoyed eclipse observation through telescope.

For this workshop more than 100 participants from nearby schools and colleges were present. This workshop was very fruitful for all the participants.



Felicitation of **Dr. S. G. Jambhale**



Felicitation of **Dr. R. B. Patil**



Welcome speech by **Dr. J. I. Disouza**



Prof. S. H. More introducing the Chief Guests

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Presentation by **Dr. S. G. Jambhale**



Student participants



Dr. R. B. Patil introducing microscope to **Hon. Mr. Indrajit Deshmukh**



Hon. Mr. Indrajit Deshmukh observing the eclipse through telescope



Delegates observing the eclipse

National Science Day (28th February, 2018)

राजीव गांधी सायन्स अॅण्ड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन पुरस्कृत वारणा सायन्स अॅण्ड इनोव्हेशन अॅक्टिव्हिटी सेंटर, वारणानगर

बुधवार, दि. २८ फेब्रुवारी २०१८ रोजी, 'राष्ट्रीय विज्ञान दिन' निमित्त
'पृथ्वीवाहेरील जीवसृष्टीचा शोध' या विषयावर व्याख्यान

श्री वारणा विभाग शिक्षण मंडळ

सहकारमहर्षी के.तात्यासाहेब कोरे यांनी समाजातील गरीब व होतकरु विद्यार्थ्यांना दर्जेदार शिक्षणाच्या संधी उपलब्ध करून देण्यासाठी श्री वारणा विभाग शिक्षण मंडळ, वारणानगर या शिक्षण संस्थेची १९६४ साली स्थापना केली. या शिक्षण संस्थेमध्ये अगदी वालवाडी पासून पी. एच. डी. पर्यंत शिक्षण दिले जाते. 'नवमानवा साकारु, हाच शिक्षणाचा महामेरु' या त्रिद वाक्यास साजेसे कार्य शिक्षण मंडळ सदैव करत आहे.

वारणा सायन्स अॅण्ड इनोव्हेशन अॅक्टिव्हिटी सेंटर

शालेय विद्यार्थ्यांमध्ये विज्ञान विषयीचे कुतूहल वाढावे, दैनंदिन घटनांकडे पाहण्याचा त्यांचा वैज्ञानिक दृष्टीकोन वृद्धीगत व्हावा, वैज्ञानिक संकल्पना त्यांना सहज सोप्या पध्दतीने उमगाव्यात.. म्हणून राजीव गांधी सायन्स अॅण्ड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन यांच्या सहकार्यातून, आदरणीय डॉ. अनिल काकोडकर यांच्या शुभहस्ते आणि आदरणीय डॉ. विनयरावजी कोरे (सावकर) यांच्या उपस्थितीत, २४ फेब्रुवारी २०१७ रोजी 'वारणा सायन्स अॅण्ड इनोव्हेशन अॅक्टिव्हिटी सेंटर' ची सुरवात करणेत आली.

व्याख्यानाविषयी

परग्रहांवर जीवसृष्टी आहे का...? ती कशा प्रकारची असेल...? या आणि अशा अनेक प्रश्नांची उत्तरे जाणून घेण्यासाठी वारणा सायन्स अॅण्ड इनोव्हेशन अॅक्टिव्हिटी सेंटरच्या वतीने 'पृथ्वीवाहेरील जीवसृष्टीचा शोध' या व्याख्यानाचे आयोजन केले आहे.

कार्यक्रमाचे अध्यक्ष

मा. डॉ. विनयरावजी कोरे (सावकर)

अध्यक्ष, श्री वारणा विविध उद्योग व शिक्षण संकुल, वारणानगर

व्याख्याते

डॉ. योगेश शौते

विभाग प्रमुख, नॅशनल सेंटर फॉर मायक्रोबीयल रिसोर्स,
नॅशनल सेंटर फॉर सेल सायन्स, पुणे

आयोजक

डॉ. जे. आय. डिसोजा
मिनिस्टर कोऑर्डिनेटर

प्रा. एस. एस. पाटील
सायन्टिफिक ऑफीसर

प्रा. एस. एच. मोरे
सायन्टिफिक ऑफीसर

प्रा. पी. एस. कुंभार
सायन्टिफिक ऑफीसर

प्रा. पी. डी. लोले
सायन्टिफिक ऑफीसर

वारणा सायन्स अॅण्ड इनोव्हेशन अॅक्टिव्हिटी सेंटर, वारणानगर

स्थळ: डॉ. विनय कोरे क्रिडा व सांस्कृतिक केंद्र, वारणानगर

वेळ: सकाळी ११.०० ते दुपारी १.००

संपर्क : ९४२३२८२६५८, ९९७०६२४३८७, ७७७००३९७३९, ९४२९७७०२९८

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About Workshop:

Does species exist on another planet...? If yes, how will be the nature of it...? To get the answer for such types of questions WSIAC has organized the public talk on the topic 'Life on the other planets'.

SCHEDULE

TIME	EVENTS
11.00 – 11.10 am	<ul style="list-style-type: none">• Felicitation of Chief Guest
11.10 – 11.20 am	<ul style="list-style-type: none">• Speech• Dr. Vinayaroji Kore, President, Warana Industrial & Educational Complex
11.20 – 11.25 am	<ul style="list-style-type: none">• Introduction of chief guest
11.25 – 01.00 pm	<ul style="list-style-type: none">• Keynote Speech• Dr. Yogesh Shouche In Charge, National Centre for Microbial Resource
01.00 – 01.05 pm	<ul style="list-style-type: none">• Vote of Thanks Dr. J. I. D'souza, Principal Co-ordinator, WSIAC
01.05 – 01.30 pm	<ul style="list-style-type: none">• Visit of chief guest to WSIAC
01.30 pm	<ul style="list-style-type: none">• End of the programme

Workshop report:

On the occasion of National Science Day, public talk on 'Life on other planets' by Dr. Yogesh Shouche, Incharge, National Centre for Microbial Resource at National Centre for Cell Science, Pune was organized by WSIAC on 28th February 2018. Hon. Dr. Vinayaroji Kore, President, Warana Industrial and Educational Complex, Hon. Shri. N. H. Patil, President, Surajya Foundation were present for this event. Dr. J. I. D'souza, Principal Coordinator, WSIAC coordinated this event.

Dr. Shouche started the session with different species available on the Earth. The points like Number of Stars on the planet, Habitable Zone, what is life...? and life in extreme condition were covered by him. He also highlighted about different activities and astrobiology balloon experiment undertaken by institutes like IUCAA, ISRO, CCMB and NCCS.

More than 1000 students from nearby schools and faculties of various schools and colleges have attended the public talk. The session was very interactive and interesting. After completion of the lecture many students and faculties asked the questions and doubts. Dr. Shouche cleared all the doubts of students and faculties lucidly. Finally the session was concluded with vote of thanks by Dr. J. I. Disouza.

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Felicitation of Hon. Dr. Yogesh Shouche by Hon. Dr. Vinayraoji Kore



Felicitation of Dr. Vinayraoji Kore by Dr. J. I. Disouza

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Felicitation of Hon. Mr. N. H. Patil by Dr. J. I. Disouza



Dr. Yogesh Shouche delivering the keynote speech

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Hon. Dr. Vinayraoji Kore, Hon. Mr. N. H. Patil, Dr. J. I. D'souza for public talk



Audience

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Students asking questions to **Dr. Shouche**



Mr. S. P. Bhosale from Jakhale High School asking the question

Jr. College Teachers Workshop (12th April, 2018)



श्री वारणा विभाग शिक्षण मंडळ संचलित
वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर,
वारणानगर
(राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन पुरस्कृत)



गुरुवार, दि. १२ एप्रिल २०१८ रोजी,

कनिष्ठ महाविद्यालयातील विज्ञान व गणिताच्या शिक्षकांसाठी 'विज्ञान आणि तंत्रज्ञानातील नवकल्पना' या विषयावर मोफत कार्यशाळा

श्री वारणा विभाग शिक्षण मंडळ

सहकारमहर्षी कै.तात्यासाहेब कोरे यांनी समाजातील गरीब व होतकरू विद्यार्थ्यांना दर्जेदार शिक्षणाच्या संधी उपलब्ध करून देण्यासाठी श्री वारणा विभाग शिक्षण मंडळ, वारणानगर या शिक्षण संस्थेची १९६४ साली स्थापना केली. या शिक्षण संस्थेमध्ये अगदी बालवाडी पासून पी. एच. डी. पर्यंत शिक्षण दिले जाते. 'नव मानवा साकारू, हाच शिक्षणाचा महामेरू' या बिंदू वाक्यास साजेसे कार्य शिक्षण मंडळ सदैव करत आहे.

वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर

शालेय विद्यार्थ्यांमध्ये विज्ञान विषयीचे कुतूहल वाढावे, दैनंदिन घटनांकडे पाहण्याचा त्यांचा वैज्ञानिक दृष्टीकोन वृद्धीगत व्हावा, वैज्ञानिक संकल्पना त्यांना सहज सोप्या पध्दतीने उमगाव्यात... म्हणून राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन यांच्या सहकार्यातून, डॉ. अनिल काकोडकर यांच्या शुभहस्ते आणि डॉ. विनयरावजी कोरे (सावकर) यांच्या उपस्थितीत, २४ फेब्रुवारी २०१७ रोजी 'वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर' ची सुरवात करणेत आली.

कार्यशाळेविषयी

विज्ञानातील मुलभूत व नाविन्यपूर्ण संकल्पना तसेच आधुनिक विज्ञान व त्यावर आधारीत तंत्रज्ञान याची आपल्या दैनंदिन जीवनामध्ये असणारी उपयुक्तता जाणून घेण्यासाठी... आजपर्यंत आपण शिकत आणि शिकवत असलेल्या विज्ञान व गणितातील संकल्पनांचे औषध व अभियांत्रिकी क्षेत्रातील महत्त्व जाणून घेण्यासाठी... वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटरच्या वतीने 'विज्ञान आणि तंत्रज्ञानातील नवकल्पना' या विषयावरील एक दिवसीय कार्यशाळेचे आयोजन केले आहे.

कार्यक्रमाचे अध्यक्ष

मा. डॉ. विनयरावजी कोरे (सावकर)

अध्यक्ष, श्री वारणा विविध उद्योग व शिक्षण समूह, वारणानगर

प्रमुख वक्ते

डॉ. योगेश कुलकर्णी

कार्यकारी संचालक, विज्ञान आश्रम, पावळ

आयोजन समिती

डॉ. जे. आय. टिसोझा प्राचार्य, टी.के.सी.पी : प्रिन्सिपल कोऑर्डिनेटर, वारणा सायन्स सेंटर	डॉ. सी. एम. जमखंडी प्राचार्य, टी.के.सी.पी. (डिप्लोमा)	पा. वी. व्ही. विराजदार प्राचार्य, टी.के.आय.ई.टी.(डिप्लोमा)	डॉ. एस. व्ही. आणेकर प्राचार्य, टी.के.आय.ई.टी.
प्रा. एस्. एस्. पाटील सायन्टिफिक ऑफीसर	प्रा. एस्. एच्. मोरे सायन्टिफिक ऑफीसर	प्रा. पी. एस्. कुंभार सायन्टिफिक ऑफीसर	प्रा. पी. डी. लोले सायन्टिफिक ऑफीसर

वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर, वारणानगर

स्थळ: डॉ. विनय कोरे क्रिडा व सांस्कृतिक केंद्र, वारणानगर

वेळ: सकाळी १०.०० ते सायंकाळी ५.००

संपर्क: ९४२३२८२६५८, ९९७०६२४३८७, ७७७००३९७३९, ९४२९७७०२९८

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About Workshop:

Science and Technology have become key factors for sustainable development worldwide. Science contributes to the quality of life in various areas including health, nutrition, agriculture and industrial development. Therefore the main motto of this workshop was to understand importance of fundamental science in our daily life. To realize innovations in the science, and technology based on the modern science.

SCHEDULE

TIME	EVENTS
10.00 - 11.00 am	<ul style="list-style-type: none">Registration
11.00 - 11.10 am	<ul style="list-style-type: none">Felicitation of Chief Guest
11.10 - 11.15 am	<ul style="list-style-type: none">Introduction of chief guest
11.15 - 01.00 pm	<ul style="list-style-type: none">SpeechDr. Yogesh Kulkarni Executive Director, Vigyan Ashram, Pabal
01.00 - 01.45 pm	<ul style="list-style-type: none">Guidance onImportance of Science & Technology in the field of Engineering by Dr. S. V. Anekar & Prof. B. V. Birajdar
01.45-02.30 pm	<ul style="list-style-type: none">Lunch
02.30-04.30 pm	<ul style="list-style-type: none">Visit of delegates to the Science Centre
04.30-05.00pm	<ul style="list-style-type: none">Guidance onImportance of Science & Technology in the field of Pharmacy by Dr. J. I. D'souza
05.00-05.05 pm	<ul style="list-style-type: none">Vote of ThanksProf. P. S. Kumbhar Scientific officer, WSIAC
05.05 pm	<ul style="list-style-type: none">End of the programme

Workshop report:

One Day Workshop for the Junior College Science Teachers on "Innovations in Science & Technology was organized on 12th April, 2018 by WSIAC in association with TKIET (Degree & Polytechnic) and TKCP (Degree & Diploma). Dr. Yogesh Kulkarni, Executive Director, Vigyan Ashram, Pabal, Dr. J. I. D'souza, Principal, TKCP; Principal Co-ordinator (WSIAC),

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Dr. S. V. Anekar Principal, TKIET, Prof. B. V. Birajdar Principal, TKIET (Polytechnic) were present for this event.

Dr. Yogesh Kulkarni started the session with fundamental concepts of the science, its importance in human life, technologies based on the modern science and innovations in the science. They highlighted the importance of FAB Lab. He also provided information of the Vigyan Ashram, Pabal and importance of activity based learning in students as well as teachers life.

More than 170 teachers from different colleges attended this workshop. The session was very interactive and interesting. After completion of the lecture many teachers have asked the questions and doubts. Dr. Kulkarni cleared all the doubts of the faculties lucidly.

Dr. S. V. Anekar and Prof. B. V. Birajdar highlighted the importance of science in the field of engineering. Dr. J. I. D'souza highlighted importance of science in the field of pharmacy. Finally session was concluded with the vote of thanks by Prof. P. S. Kumbhar.



Felicitation of **Dr. Yogesh Kulkarni** by **Prof. B. V. Birajdar**

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Dr. Yogesh Kulkarni delivering the keynote speech



Presence of **Dr. J. I. Disouza**, **Dr. S. V. Anekar**, **Prof. B. V. Birajdar** and delegates

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Delegates asking questions to **Dr. Kulkarni**



Dr. S. V. Anekar delivering speech on Importance of Science & Technology in the field of Engineering

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Dr. J. I. Disouza delivering speech on Importance of Science & Technology in the field of Pharmacy

Four days student workshop on
'Activity based Science & Technology Learning'
(19th – 22nd April, 2018)



श्री वारणा विभाग शिक्षण मंडळ संचलित
वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर,
वारणानगर

(राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन पुरस्कृत)



इयत्ता ७ वी ते ९ वी च्या विद्यार्थ्यांसाठी दि. १९ ते २२ एप्रिल २०१८ रोजी,

'कृतीतून विज्ञान आणि तंत्रज्ञान' या विषयावर कार्यशाळा

श्री वारणा विभाग शिक्षण मंडळ

सहकारमहर्षी कै.तात्यासाहेब कोरे यांनी समाजातील गरीब व होतकरु विद्यार्थ्यांना दर्जेदार शिक्षणाच्या संधी उपलब्ध करून देण्यासाठी श्री वारणा विभाग शिक्षण मंडळ, वारणानगर या शिक्षण संस्थेची १९६४ साली स्थापना केली. या शिक्षण संस्थेमध्ये अगदी बालवाडी पासून पी. एच. डी. पर्यंत शिक्षण दिले जाते. 'नव मानवा साकारु, हाच शिक्षणाचा महामेरु' या ब्रिद वाक्यास साजेसे कार्य शिक्षण मंडळ सदैव करत आहे.

वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर

शालेय विद्यार्थ्यांमध्ये विज्ञान विषयीचे कुतुहल वाढावे, दैनंदिन घटनांकडे पाहण्याचा त्यांचा वैज्ञानिक दृष्टीकोन वृद्धीगत व्हावा, वैज्ञानिक संकल्पना त्यांना सहज सोप्या पध्दतीने उमगाव्यात... म्हणून राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशन, महाराष्ट्र शासन यांच्या सहकार्यातून, डॉ. अनिल काकोडकर यांच्या शुभहस्ते आणि डॉ. विनयरावजी कोरे (सावकर) यांच्या उपस्थितीत, २४ फेब्रुवारी २०१७ रोजी 'वारणा सायन्स अँड इनोव्हेशन अँक्टिव्हिटी सेंटर' ची सुरवात करणेत आली. हे दालन सर्वांसाठी मोफत खुले आहे.

कार्यशाळेची उद्दिष्टे

१. कृतीशील प्रयोगांतून विद्यार्थ्यांचा वैज्ञानिक दृष्टीकोन विकसीत करणे
२. पदार्थविज्ञान, रसायनशास्त्र या विषयातील मुलभूत संकल्पना कृतीतून समजून घेणे
३. 'टाकाऊतून वैज्ञानिक खेळणी' तयार करण्याचा प्रत्यक्ष अनुभव घेणे
४. खगोलीय दूरदर्शिकाची रचना व कार्यपध्दती समजून घेणे
५. सहलीतून जैविक विविधता व पर्यावरणाचा अभ्यास करणे

कार्यशाळेचे अध्यक्ष

मा. डॉ. विनयरावजी कोरे (सावकर)

अध्यक्ष, श्री वारणा विविध उद्योग व शिक्षण समूह, वारणानगर

सह-आयोजक

नेहरु सायन्स सेंटर, मुंबई
अँग्रीकल्चरल डिपार्टमेंट ट्रस्ट, शरदनगर, वारामती
मुक्तांगण एक्सप्लोरेटरी, पुणे

स्थळ:- वारणा विज्ञान केंद्र, वारणानगर वेळ:- सकाळी ०९.०० ते सायंकाळी ५.००

संपर्क:- ९४२३२८२६५८, ९९७०६२४३८७, ७७७००३९७३९, ९४२९७७०२९८

नोंदणी शुल्क:- रु. १२००/- (प्रती विद्यार्थी)

दि.१५/०४/२०१८ अखेर नोंदणी स्विकारण्यात येईल

Objectives of Workshop:

- To develop scientific vision through activity based learning;
- To understand the basic concepts of basic Science through experimentation;
- Experiencing preparation of science toys from waste;
- Understanding Biodiversity through botanical tour;
- Telescope making and observation;

Workshop:

Activity based Science & Technology Learning Workshop for Secondary school students was organized at WSIAC during 19th - 22nd April, 2018. Various activities conducted in the four day's workshop during 9.00 am to 5.30 pm are as follows.

First Day: Thursday, 19/04/2018

Welcome and felicitation of the chief guest Mr. Sachin Lokapure of SAGLO Research Equipment, Miraj & resource persons Mrs. Manjula Yadav and Mr. C. S. Pulliwar, Education Officers, Nehru Science Centre, Mumbai was done by Dr. J. I. Disouza, Principal Co-ordinator, WSIAC by offering memento as a token of love and appreciation in presence of all the scientific officers of WSIAC. Then Dr. J. I. D'souza introduced about the workshop. Scientific Officer, Prof. S. H. More introduced the chief guests. Mrs. Manjula Yadav started the session with basic concepts in physics. In that, she focussed on the concepts of basic sciences like gravity, importance of centre of gravity of body etc.

In the afternoon session Mr. C. S. Pulliwar focussed on chemistry. He showed different magical experiments from chemistry. Various chemical reactions and experimentation made the session live. Both morning and afternoon sessions were very much useful to all.



Visit of Hon. Dr. Vinayraoji Kore to the workshop

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Felicitation of Mrs. Manjula Yadav



Felicitation of Mr. C. S. Pulliwar

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Mrs. Manjula Yadav teaching various concepts through activity

Second Day: Friday, 20/04/2018

For the second day of workshop the resource person's present were Mr. Gaurao Parmar, Mr. Rohit Sonam and Mr. Tejas Chimbalkar from Mukhtangan Expolatory Science centre Pune. The morning session of this day deals with basics of Chemistry. In this activity based session, various basics and interesting chemistry experiments were conducted as well as demonstrated by Mr. Gaurao Parmar & Mr. Rohit Sonam. In the afternoon session Mr. Tejas Chimbalkar highlighted some basic concepts of physics. He also demonstrated the importance of centre of mass by live demo. All the student participants were involved actively and enjoyed these sessions.



Mr. Gaurao Paramar demonstrating Chemistry experiments

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Mr. Tejas Chimbalkar demonstrating concept of momentum transfer in physics

Third Day: Saturday, 21/04/2018

On this day the resource persons were Mr. Shivaji Mane and Mr. Maharudra Mate from IUCAA Pune. Both morning and afternoon sessions were concentrated on toys making from trash. They explained difference between pitch and frequency of sound. How pitch of sound depends on the length of vocal cord was explained with simple straw. The types of toys that they made covers a wide variety of topics such as: air and water; flying toys; electricity and magnetism; toys based on the concepts of pressure, light, mathematics, sound, Newtonian concepts; spinning toys; paper toys; motor and generator-based toys, etc. By using basic principles of physics they conducted various experiments and explained their applications in real world. Whole day session was interesting, motivating and provided important message to all the participants “in order to innovate, people don't really have to be different; they just need to think differently”.

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Students are enjoying toy making session



Students attending toys making sessions

Fourth Day: Sunday, 22/04/2018

In morning session there was a botanical tour to Panhala, in the presence of Dr. M. Y. Bachulkar, the Botanical Scientist. All started their journey morning at 8.00 am towards Panhala. Bachulkar sir explained the various plants on the road as well as in the garden. He explained origin, botanical name, morphology and medicinal as well as other uses of different parts of the plants. This botanical tour has provided information regarding various useful plants available in the nearby area. We returned back at 1.00 pm.



Visit to botanical garden Panhala with Botanical Scientist **Dr. M. Y. Bachulkar**



Dr. M. Y. Bachulkar giving information about the plants

After the lunch, the second session of fourth day workshop was conducted by Mr. B. B. Sawalwade, expert in telescope making, from Akkatai Neje high school Datawad. In this session, he explained construction, working and various types of telescopes. He also demonstrated how to observe object by using telescope. Students enjoyed this session by observing the various objects in sky.



Mr. B. B. Sawalwade explaining Construction & Working of Telescope



Students observing objects in sky through Telescope

Media Coverage:

लोकमत

वारणेत विज्ञान कार्यशाळा उत्साहात

लोकमत न्यूज नेटवर्क

वारणानगर : विद्यार्थ्यांनी वेगवेगळ्या कृतीतून विज्ञानातील अनेक सिद्धांत समजूत घेण्यासाठी श्री वारणा विभाग शिक्षण मंडळ संचलित वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटरच्या वतीने शालेय विद्यार्थ्यांसाठी 'कृतीतून विज्ञान आणि तंत्रज्ञान' या विषयावरील चार दिवसीय कार्यशाळा पार पडली.

नेहरू सायन्स सेंटर, मुंबई; मुक्तगण एक्सप्लोरेटरी, पुणे; आयुका, पुणे यांच्या संयुक्त विद्यमाने आयोजित कार्यशाळेच्या उद्घाटनप्रसंगी प्रास्ताविक करताना वारणा सायन्स सेंटरचे प्रिन्सिपल कोऑर्डिनेटर डॉ. जॉन डिसोझा यांनी आधुनिक शिक्षण पद्धतीमध्ये अशा कार्यशाळांचे महत्त्व पटवून दिले. उद्घाटन पश्चिम महाराष्ट्रातील पेटंटमॅन प्रा. सचिन लोकापुरे यांच्या उपस्थित झाले. कार्यशाळेच्या पहिल्या दिवशी नेहरू



वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटरच्या वतीने आयोजित विज्ञान कार्यशाळेस डॉ. विनय यद्वे यांनी भेट देऊन मार्गदर्शन केले. चाचेळी प्राचार्य डॉ. जॉन डिसोझा, प्राध्यापक, आदी मान्यवर उपस्थित होते.

सायन्स सेंटर, मुंबईच्या मंजुळा यादव आणि चारुदत्त पुल्लिवार यांनी मार्गदर्शन केले.

अॅग्रीकल्चर डेव्हलपमेंट ट्रस्ट, वारामतीचे शिवाजी माने आणि आयुका, पुणे येथील महासूद मते यांनी टाकाऊतून ५०हून अधिक वैज्ञानिक खेळणी करण्याची प्रात्यक्षिके करून दाखवली. चौथ्या दिवशीच्या सकाळच्या सत्रात विद्यार्थ्यांनी

निस्सर्गमित्र डॉ. मधुकर बाचूळकर यांच्या मार्गदर्शनाखाली बाॅटनीकल टुरचा आनंद घेतला.

या कार्यशाळेत परिसरातील शाळांमधून ५०हून अधिक विद्यार्थ्यांनी सहभाग घेतला. या कार्यशाळेच्या यशाची नियोजनासाठी श्री वारणा विविध उद्योग आणि शिक्षण समूहाचे अध्यक्ष डॉ. विनय कोरे यांचे मार्गदर्शन लाभले.

Two days Science teachers' workshop on 'Fostering Creativity & Innovation in Science Education' (26th & 27th April, 2018)



Vigyan Prasar, DST, Government of India



Jointly with
Shree Warana Vibhag Shikshan Mandal's
Warana Science & Innovation Activity Centre

(Project aided by - Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra)

Two days workshop for Science teacher's of Secondary Schools (Standard 5th to 10th)

'Fostering Creativity and Innovation in Science Education'

Shree Warana Vibhag Shikshan Mandal

To provide higher education to poor, deprived & deserving; **Sahakarmaharshi Late Tatyasaheb Kore** established **Shree Warana Vibhag Shikshan Mandal [SWVSM]** in 1964. It presently holds K.G. to Ph.D. courses in basic & technical sciences. NBA and NAAC accreditation of TKIET & NAAC accreditation of Y. C. Warana is the proof of quality education tendered by SWVSM. TKCP is another feather in the crown of SWVSM.

Warana Science & Innovation Activity Centre

To enhance the scientific and technical approach of school and college students, Shree Warana Vibhag Shikshan Mandal with the co-operation of Rajiv Gandhi Science and Technology Commission, Govt. of Maharashtra, have started **Warana Science & Innovation Activity Centre [WSIAC]**. The centre was inaugurated by **Hon. Dr. Anil Kakodkar** in presence of **Hon. Dr. Vinayraoji Kore (Savkar)** on 24th February, 2017.

Vigyan Prasar

Vigyan Prasar (VP) is an autonomous organization under the Department of Science and Technology (DST), Government of India. The main objective of VP is to serve India's science popularization agenda. Science popularization serves as a robust knowledge led tool to fulfill mutually reinforcing public policy objectives. The first is to create and foster a well-informed citizenry. The second is about building capacities to communicate. VP accordingly serves as a resource & facilitation centre for S & T communication.

About Workshop

"The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn and relearn."

So, the goal of the education is not to teach or provide them with the information but to boost the development of the child's brain; to assist the child to understand concepts and theories; to broaden the child's understanding of things so that they can apply it in their life. The traditional lecture method is not enough to serve this goal; and activity based learning (ABL) can be an effective alternative...

The objectives of the workshop are to:

- Raise awareness about experiential learning/ learning by doing/ active learning opportunities;
- Facilitate teachers to effectively implement ABL;
- Motivate teachers to transform 'Classroom into Thinkroom';
- Train teachers to use the activity kits in teaching-learning process, effectively;
- Support teachers to transform teaching into 'fun learning activity';

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Schedule

Day 1 26 th April 2018	Day 2 27 th April 2018
Session 1 – Modern Physics Discovery of radioactivity, Theory of relativity etc.	Session 1 – Chemistry Crystal necklace, Carbon cycle etc.
Session 2 – Astronomy Why are Stars not visible during Daytime? The Eclipse etc.	Session 2 – Earthquake Earthquake observatory, Earthquake resistance structures etc.
Session 3 – Biodiversity General diversity, 'Soil' the major eco system etc.	Session 3 – Weather Make your own - Anemometer, Thermometer etc.

Patrons

Dr. Anil Kakodkar

President,
RGSTC

Hon. Dr. Vinayraoji Kore

President, Warana Industrial &
Educational Complex

Shri. Chander Mohan

Director,
Vigyan Prasara

Resource Persons

Mr. Kapil Tripathi

Scientist E,
Vigyan Prasara

Dr. Mukesh Roy

Associate Professor,
IITM, Jabalpur

Mr. Narendra Singh

PGT,
Delhi Education Dept.

Dr. Arvind Ranade

Scientist E,
Vigyan Prasara

Organizing Committee

Mr. Suhas Markandeya

Member Secretary,
RGSTC

Dr. Arun Sapre

Former
Member Secretary,
RGSTC

Dr. John D'souza

Principal Coordinator,
WSIAC

Mr. Kapil Tripathi

Head - Science on
Television, Vigyan Prasara

Prof. S. S. Patil

Scientific Officer,
WSIAC

Prof. S. H. More

Scientific Officer,
WSIAC

Prof. P. S. Kumbhar

Scientific Officer,
WSIAC

Prof. P. D. Lole

Scientific Officer,
WSIAC

Last date of registration: 21th April 2018, till 5.00 pm

Registration Fees: Rs 500/-

Program is for limited seats (First come first serve)

Date: 26th – 27th April 2018

Time: 9.00 am – 5.00 pm

Venue: Warana Science & Innovation Activity Centre,
Warananagar

Contact: 9423282658, 9970624387, 7770039731, 9421770218

Workshop report:

In order to understand and explain the various concepts and principles in Science; the traditional teaching method and just use of textbooks is not sufficient. Recognizing this need of modern system of education, Vigyan Prasar, DST, Government of India jointly with WSIAC was organized two days workshop for Science teachers from nearby schools and colleges on 'Fostering Creativity and Innovations in Science Education' during 26th & 27th April, 2018 at Warana Science and Innovation Activity Centre, Warananagar. Scientists having 15-20 years of experience in research were the resource persons for this workshop. At the time of inauguration, in welcome speech the Principal Co-ordinator of WSIAC, Dr. J. I. D'souza confirmed the importance of active and experimental studies. Scientist Mr. Kapil Tripathi gave information about various activities being done by Vigyan Prasar for promotion, popularization and spreading of Science in all over the India. They also introduced activity kits developed by Vigyan Prasar for various subjects in Science like Modern Physics, Chemistry, Biology, Astronomy, Biodiversity and Earthquake.

On first day i.e. 26th April, in morning session Mr. Narendra Singh, PGT, Delhi Education Department performed and explained different experiments in Chemistry using activity kit. In afternoon session, astronomer Dr. Arvind Ranade presented the Planets, the Stars, the Zodiac sign and their relation with human life with scientific perspective. They covered the topics like, how to identify the stars? Their distance from earth, the radar system or the Zodiac sign created by group of stars, the circulation and the rotation of the Moon and the Earth and many more issues were analyzed by activities.

On second day i.e. 27th April, in morning session Dr. Arun Sapre, Former Member Secretary, Rajiv Gandhi Science & Technology Commission, Government of Maharashtra was present. In this session, Dr. Mukesh Roy Associate Professor, IITM, Jabalpur explained the hidden physics in everything that happens in our daily life, through simple and easy experiments. Many concepts like electromagnetic waves, light, sound, frequency, etc. have been presented in front of everyone with demonstration. In afternoon session, Mr. Kapil Tripathi underlined the expected improvements in teaching from teachers by focusing about changes in modern system of education.

More than 50 participants were attended this workshop. By the valuable guidance of Hon. Dr. Vinayraoji Kore, President, Warana Industrial & Educational Complex and support of all the principals, teachers of schools, colleges in campus, scientific officers, Vigyandoot, non-teaching staffs the workshop was completed successfully. Anchoring and vote of thanks was given by scientific officer Prof. S. S. Patil.

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Welcome speech by **Dr. J. I. D'souza**, Principal Co-ordinator, WSIAC



Delegates

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Mr. Kapil Tripathi giving information about various activities being done by Vigyan Prasar for promotion, popularization and spreading of Science in all over India.



Mr. Narendra Singh, performing and explaining different experiments in Chemistry

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Dr. Arvind Ranade presenting concepts through activity



Dr. Mukesh Roy explaining hidden physics through easy and simple Experiments

Annual Report (2017-18);

SWVSM's Warana Science & Innovation Activity Centre, Warananagar



In presence of **Dr. Arun Sapre**, Former Member Secretary, Rajiv Gandhi Science & Technology Commission, Government of Maharashtra



Mr. Kapil Tripathi underlining the expected improvements in teaching from teachers

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Delegates giving the feedback of the workshop

Media Coverage:

लोकमत



वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटरच्या वतीने परिसरातील शाळा व महाविद्यालयातील विज्ञान शिक्षकांसाठी 'नावीन्यपूर्ण उपक्रमातून विज्ञान शिक्षणातील सर्जनशीलता वाढवणे' या विषयावर कार्यशाळा झाली.

आधुनिक विज्ञान, तंत्रज्ञान शिकण्याची गरज : डिसोझा

लोकमत न्यूज नेटवर्क

वारणानगर : शिक्षण पद्धतीमध्ये वेगवेगळे वैज्ञानिक सिद्धांत समजून घेण्यासाठी फक्त पुस्तकीज्ञान पुरेसं नसून कृतिशील प्रयोगातून अभ्यास तितकाच महत्त्वाचा बनला आहे. आधुनिक शिक्षण पद्धतीमधील विज्ञान आणि तंत्रज्ञान शिकण्याची खरी गरज आहे, असे प्रतिपादन कोरे फार्मसीचे प्राचार्य डॉ. जॉन डिसोझा यांनी केले.

वारणा सायन्स अँड इनोव्हेशन अॅक्टिव्हिटी सेंटरच्या वतीने परिसरातील शाळा व

महाविद्यालयातील विज्ञान शिक्षकांसाठी 'नावीन्यपूर्ण उपक्रमातून विज्ञान शिक्षणातील सर्जनशीलता वाढवणे' या विषयांवरील दोनदिवसीय कार्यशाळेचे आयोजन केले होते. त्यावेळी ते बोलत होते. शास्त्रज्ञ कपिल त्रिपाठी, दिल्ली एज्युकेशन डिपार्टमेंटचे नरेंद्र सिंग, डॉ. अरविंद रानडे, महाराष्ट्र शासनाच्या राजीव गांधी सायन्स अँड टेक्नॉलॉजी कमिशनने माजी सेक्रेटरी डॉ. अरुण सप्रे, आयआयटीएम जबलपूरचे असोसिएट प्रोफेसर डॉ. मुकेश रॉय यांनी मार्गदर्शन केले. प्रा. एस. एस. पाटील यांनी आभार मानले.