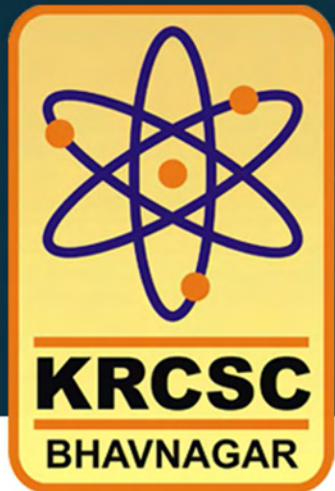


# Activity Report 2017-18 (Bhavnagar District)



Run by: Kalyan Foundation Trust, Bhavnagar &

Supported by: Gujarat Council on Science & Technology, DST, Gandhinagar

## Kalyan Regional Community Science Center, Bhavnagar

"VIGYAN BHAWAN", Plot No. 2206/4-A, Near Sanskar Mandal, Punjab National Bank Street, Hill Drive, Bhavnagar

Ph. No.- (0278) 2570111, Email: [krcscbv@gmail.com](mailto:krcscbv@gmail.com), web: [www.krcscbhavnagar.org](http://www.krcscbhavnagar.org)

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# Kalyan Regional Community Science Center, Bhavnagar

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Anexer

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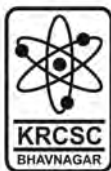
## Gujarat Council on Science & Technology

Dept. of Science & Technology, Govt. of Gujarat

### Self Evaluation Report

Sr. No.	Particular	Details
1	Name and Address Of CSC	<b>Kalyan Regional Community Science Centre,</b> "Vigyan Bhawan", Plot No. 2206/4-A, Near Sanskar Mandal, Beside Punjab National Bank, Hill-Drive, Bhavnagar-364002
2	Year of Establishment	2000-2001
3	Registration Number	Kalyan Foundation Trust, Bhavnagar Reg. No. E/2201, Bhavnagar
4	Year of receiving GUJCOST reorganization and Grant	2002-2003
5	Website Address	<a href="http://www.krcscbhavnagar.org">www.krcscbhavnagar.org</a>
6	Facebook, Twitter and other social media ID	ID : krcscbhavnagar Face book, Instagram, Twitter, Pinterest, Google+, Youtube, Linkdin
7	No. of GUJCOST Science Clubs is with your CSC attached to Coordination?	230 (Registered During Year 2015-16)
8	Details about publication of Books / Magazine which develop Scientific temper	-----





## Gujarat Council on Science & Technology

Block-B, 7th Floor, M.S.Building, Sector-11, Gandhinagar

### Community Science Centre Annual Review Meeting 2017-18

Name of CSC : Kalyan Regional Community Science Centre, Bhavnagar

Type of CSC : Regional

NAME OF CO-ORDINATOR : Mr. Harshad Joshi

Phone : 0278 - 2570111, Mo. 88 66 570 111

Email-id : krcscbvn@gmail.com

#### Minimum yearly programmes conducted by CSC during year 2017-18

Sr. No.	Type of Programme	No. of Programme conducted by Regional CSC
1	Popular Lecture Series/workshop /Seminar	30
2	Community Based Programme	20
3	Celebration of Scientific Days	40
4	Science Exhibition (Model /Charts)	21
5	Science quiz/Science Seminar/Science Project competition/other GUJCOST programme	19
6	Vigyan Safar/ Video Van Programme/ Programmes of Scientific Awareness About Superstition	24
7	Demonstration of Science Experiments (Science Experiments) Vigyan Darshan/Joy of Science	16
8	Establishment of Science Club in School Activities	690
9	Communicators Training	00
10	Citizen Science Programme	16
11	National Children Science Congress	16

Name of Co-ordinator : Mr. Harshad Joshi

Signature of Co-ordinator :

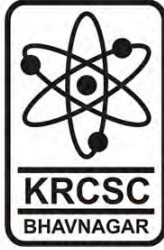


## Gujarat Council on Science & Technology

Dept. of Science & Technology, Govt. of Gujarat

### Activities Report for the year 2017-18

Total No. of Programme conducted by KRCSC during year 2017-18			<b>202</b>
Total No. of Days			<b>139</b>
Total No. of Beneficiaries			<b>44,822</b>
Sr. No.	Particulars	No. of Programme	No. of Beneficiaries
1	Celebration No. of Scientific Days	<b>72</b>	<b>14,531</b>
2	No. of Training Programme/Meetings Attends by CSC Coordinator / Communicator	<b>11</b>	<b>185</b>
3	No. of Programmes conducted at CSC	<b>18</b>	<b>690</b>
4	No. of Programmes conducted at District Head Quarter (Out of CSC)	<b>78</b>	<b>20,934</b>
5	No. of Programmes conducted out of District Head Quarter (Out of CSC)	<b>91</b>	<b>22,278</b>
6	No. of Training Programmes conducted by CSC	<b>06</b>	<b>386</b>
7	No. of School level Programmes	<b>140</b>	<b>23,784</b>
8	No. of College level Programmes	<b>22</b>	<b>1,557</b>
9	No. of Community Programmes on (Health, women and child, farmers, superstition)	<b>45</b>	<b>21,863</b>
10	No. of Program organized by CSC with financial assistance other than GUJCOST	<b>09</b>	<b>902</b>
11	GUJCOST Science Club Activity by Registered <b>230 Schools</b>	<b>690</b>	<b>---</b>
12	Teacher Training Programme	<b>06</b>	<b>386</b>
13	Programs on Women	<b>03</b>	<b>180</b>
14	Gramsabha	<b>--</b>	<b>--</b>
15	Programs on Farmers	<b>--</b>	<b>--</b>
16	Programs on Patent / Trademark / IPFC	<b>--</b>	<b>--</b>



# Kalyan Regional Community Science Center, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

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**Anexer**

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## Employee Structure



**(Dr. Bhavesh Bharad)**  
Chairman



**(Harshad Joshi)**  
Co-ordinator



**(Gopika Dave)**  
Science Communicator



**(Yashpal Vyas)**  
Science Communicator



**(Devyani Joshi)**  
Science Communicator

**(Rajesh Joshi)**  
Accountant



## Introduction:

Since 2002, Kalyan Regional Community Science Centre, Bhavnagar has been held on various scientific awareness Programmes in Rural & Urban Areas in Bhavnagar District. Kalyan Regional Community Science Centre, Bhavnagar Supported by Gujarat Council on Science and Technology, Gandhinagar and run by Kalyan Foundation Trust, Bhavnagar. We are focused on different Group of Society which includes Primary, Secondary & Higher Secondary School students, collage students, group of women's etc. our objective is to each & every person learn about science which is the part of their daily life. Our Vision is to inculcate scientific thinking among our society.

Our team works on different science knowledge based Programmes which are described as under.

- **Joy of Science & Vigyan Darshan.**
- **Sky Gazing by Telescope & Slide Show**
- **Academic programmes on Science and Mathematics like Science Drama, Science Quiz, Science Seminar & other Projects on Science & Mathematics.**
- **Vigyan Safar (person interested in science can visit @ CSC that called Vigyan Safar)**
- **Community Based Programme.**
- **Teacher's Training Programmes**
- **Celebration of Various Scientific days**
- **Science & Mathematics Models Exhibition**
- **Scientific Awareness about Superstition & Food Adulteration.**
- **Explain Science rules by Practical base in school**
- **Popular lecture series, workshop & Seminar**
- **Night Trekking Camp**
- **Night Sky Gazing at seashore**
- **Cleaning Activities under Swachh Bharat Abhiyan**
- **Establishment of Science Club in Schools for Scientific Activity.**
- **Industrial Visits.**
- **Information Technology Quiz Competition (I.T Quiz) for Rural School Students.**
- **National Children Science Congress**
- **Science Communicator Training Programme**
- **Subject wise Activity Through different Club run under KRCSC-Bhavnagar**

Kalyan Regional Community Science Centre, Bhavnagar has conducted 202 Scientific Activity or Programmes as listed above with 44,822 Participants or beneficiaries in 139 days during the year 2017-18.





## Vigyan Safar



Safar means visit a place with curiosity to learn something new. KRCSC is a place where students learn basic rules of science and mathematics with different type of science models. The Students can also saw various types of science models like life cycle of different animals, living animal's specimen. Making mathematics' puzzles etc. all school and college students are allowed to visit @ KRCSC. The motive of Vigyan Safar is developing scientific attitude in our Society. More than 250 students benefited by this programme.

## Joy of Science

The most intelligent species "Human being" depends on Science. Well Science holds the key to our future. Scientific inventions & modern day technologies have completely changed the human life. The study of science should begin early in life. The first steps should be to teach boys and girls the habit of observation so its educative influence on the mind of students. This can be done using easy and natural study of science using different material objects that they can always seeing. To teach easy and realistic science Kalyan Regional Community Science Centre, Bhavnagar organized Joy of Science Programme in different primary, Secondary and higher secondary school of whole Bhavnagar district. We show different practical's used in daily life and also included in their syllabus. In this way we explained different science rules like Balance, Air pressure, Water pressure, reaction between acid-bases extra. More than 1275 students benefited by this programme.



## Superstition Awareness Programme:



Superstitions are irrational. They have their roots in ignorance, blind faith, fear of the unknown, lack of scientific spirit and complexes. They reflect the weak side of mankind. Superstitions are found everywhere. They have a stronghold on man in spite of rapid advancement of modern science, technology and knowledge. They have been there from times immemorial. Kalyan Regional Community Science Centre, Bhavnagar organized

Superstition Awareness programme for Community level. In this Programme our Expert explained about what is superstition, by different phenomena which are carrying out by our ancient time and explained scientific reason with practical demonstration & also told the scientific reason behind our rituals. There were 1150 students benefited by this programme.



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## Food Adulteration Programme:

Food adulteration is the process in which the quality of food is lowered either by the addition of inferior quality material or by extraction of valuable ingredient. It not only includes the intentional addition or substitution of the substances but biological and chemical contamination during the period of growth, storage, processing, transport and distribution of the food products, is also responsible for the lowering or degradation of the quality of food products. Adulterants are those substances which are used for making the food products unsafe for human consumption. To create awareness about how to find that we have adulterated food or not Kalyan Regional Community Science Centre, Bhavnagar organized food adulteration Awareness Programme Various Schools of Bhavnagar District. In this programme we explained about adulterants means, how can we find adulteration in our food item by using household chemicals & other materials and affect adulterants on our human body. There were 275 girls benefited by this programme.



## Universe Info by Slide Show:



We know the universe is infinite. We are not satisfied though we learn more and more about universe. To satisfy students curiosity of students related to universe Kalyan Regional Community Science Centre, Bhavnagar held on universe info by slide show programme for primary, secondary, Higher Secondary, Collage students. In this Programme our expert Mr. Harshad Joshi explained achievements of Indian Space agency ISRO, Various Launching vehicles, Indian Space Scientist and information about various planets, Satellites etc. There were 1050 students benefited by this programme.

## District / State & National Level Programme:

### National Science Seminar (District Level):



Every Year National Science Seminar (District level) organized by Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST). Our PM Shri Narendra Modi Announced "Swachh Bharat Abhiyan" for Clean & green India. Our next generation know the importance of Indian & how advances technology help in Swachh Bharat Mission KRCSC, Bhavnagar organized District level National



Science Seminar on 5th of August 2017 at Government Medical College, Bhavnagar on the theme of is "Swachh Bharat: Role of S&T Promises and Challenges" In Inauguration ceremony of this programme Mr. Harshvardhan Modi ((Deputy Commissioner, BMC, Bhavnagar), Shri Nileshbhai Raval (Chairman, Municipal Corporation School Board, Bhavnagar) Shri Hiteshbhai Dave(Dy. DPEO, Bhavnagar), Dr. C.B. Tripathi(Dean, Govt. Medical Collage, Bhavnagar Dr. Hitesh Shah (Assoc. Profe. Sir P. P. Institute of Science, Bhavnagar) were share their views about "Swachh Bharat" In this competition Mr. Aaryaman Jani (Naimishranya English Medium School, Bhavnagar), Mr. Kenil Doshi (Shree K.K.J.P High School, Songadh, Ta: Shihor), Ms. Riya Gandhi (Fatima Convent High School, Bhavnagar) got First, Second & Third rank respectively. First & Second Ranker will be going participate in State level Competition held at Science City, Gandhinagar to represent Bhavnagar District in state level competition. There were 99 Primary & Secondary School students and teachers participated in this competition. Every Participant got certificate. 99 Students with 99 Teachers and 30 others as total 228 were present in this district level competition.

### National Science Seminar (State Level):

State level Science Seminar organized by GUJCOST at Science City, Ahmadabad on 17th September 2016. District winner Parekh Chetas (Swaminarayan Gurukul high School, Bhavnagar) and Gohil Kripalsinh (B.B shah High School, Devgana, Ta: Shihor) participated in state level competition. From whole Gujarat 60 students were participated

### National Rural I.T. Quiz (District Level):



The Programme has helped enhance IT awareness amongst Students at the grassroots level, keeping them abreast of the latest developments in the world of Information Technology. The Programme is conducted for Students from Standard 8 - 12. Tata Consultancy Services Ltd organizes National Level Rural I.T Quiz at Bangalore. In part of this Kalyan Regional Community Science Centre supported by Gujarat Council on Science & Technology Department (GUJCOST) Conducted District level National Rural I.T Quiz on 5th of August 2017 at Government

Medical Collage, Bhavnagar. In this programme Lighting Ceremony was carried out Mr. Harshvardhan Modi (Deputy Commissioner, BMC, and Bhavnagar), Shri Nileshbhai Raval (Chairman, Municipal Corporation School Board, Bhavnagar) Shri Hiteshbhai Dave (Dy. DPEO, Bhavnagar), Dr. C.B. Tripathi (Dean, Govt. Medical Collage, Bhavnagar Dr. Hitesh Shah (Assoc. Profe. Sir P P. Institute of Science, Bhavnagar). This I.T Quiz has 3 different rounds. First one is elimination. In this round 85 teams have to give answer of 40 questions. In this round best 35 teams selected out of 69 teams. The next was de dhana dhan in which selected 30 teams participated. Third and final round is Audio- Visual round in which students gave to answer of question asked by quiz master on the screen. There was a tough Competition among the students and after completion of 3rd session we got best 10 teams out of 16 teams. This team is going to participate in State level Competition. From entire Bhavnagar District 81 team of 81 Rural Primary & Secondary School Participated in this competition. Total 250 students, Teachers and other was participated in this quiz competition.



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## National Rural I.T. Quiz (State Level):



Gujarat Council on Science & Technology, Gandhinagar Organized state level Rural I.T quiz-2017 on 26th September 2017 at Kadi Sarva Vishvidhayalay, Gandhinagar. In this competition all district winner 330's team 660 students were came to participate. Bhavnagar district's Shri M.J.C.K.R Higher Secondary School, Songadh, Ta: Shihor announced as a winner team. In prize distribution ceremony Dr. Subhas Soni (Joint Secretary, BT Dept. Science & technology), Mr. Comonel S.Vishvanathan (TCS, Bangalore) & Mr. Narootam Sahoo (Adviser & secretary, GUJCOST, Gandhinagar & Science City, Ahmadabad) were present to motivate the students. This team of Bhavnagar district going to participate in National level Rural I.T Quiz-2017 at Bangalore to represent Gujarat State.

## National Rural I.T Quiz-2017 (National level) (Secured 6th rank):

The department of IT, BT, and S&T, Government of Karnataka in association with Tata Consultancy Services is announced the National Rural IT Quiz 2017 for school students in varied state. GUJCOST coordinate and organize the Rural IT Quiz in Gujarat. The national finals of the rural IT quiz will be held in Bangalore on November 17 as part of the BangaloreIT.biz 201, hosted by the department of IT, BT, science and technology. There were 14 lakh students from all over India participated in this competition. M.J.C.K.R students Modi Hardik & Dhulla Parth Gujarat state winner team from Bhavnagar district secure 6th rank in this Competition.



## National Children Science Congress (District level @ Bhavnagar)



Since last 24 years' National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this project National Children Science Congress-2017 organized by Kalyan Regional Community Science Centre Bhavnagar on 11th November 2017 at MJCKR School, At: Songadh, Bhavnagar. The inauguration ceremony carried out by Dr. Hariom Gupta (Scientist- CSMCRI), Dr. Hitesh Shah (Associate Prof. Sir P.P Science Collage, Bhavnagar), and Dr. Paresh Poria (Dept. Of Marin Science), Dr. Dushyant Dudhagara (Lecturer, MRT & MSV Science Collage), Mr. Mahipalsinh Gohil, Mr. Pratipalsinh, Dr. Niraj Rajyaguru (Principal, Kobdi Primary School), Shri Bhaveshbhai Vyas (District Academic Coordinator NCSC), Shri Pareshbhai Trivedi (President of Kalyan Foundation Trust, Bhavnagar), Dr. Bhaveshbhai Bharad (Chairman, KRCSC), Mr. Om Monpara (Child



Scientist, NCSC-2014), Ms. Jensi Monpara (Child Scientist, NCSC-2015) were present to motivate the students. There were 39 Upper primaries and Secondary School students presented their research work prepared by a team of 5 members by selecting various subthemes under focal theme “Science, Technology & innovation for Sustainable development” of NCSC. Best 11 projects were selected for state level NCSC-2017 held at Ahmadabad.

### National Children Science Congress

#### (3 children Scientist selected for National level):

Since last 24 years’ National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this project National Children Science Congress-2017 organized by Kalyan Regional Community Science Centre Bhavnagar on 11th November 2017 at MJCKR School, At: Songadh, Bhavnagar. State level National Children Science Congress-2017 organized by GUJCOST is on 24th & 25th November, 2017 at Gujarat Vidhyapith, Ahmadabad. There were 363 research project presented by child scientist. There were 26 research project selected for National level. In this competition 3 Child scientists- Sidatar Naz, Gala Sagar and Joshi Forum from Bhavnagar district selected for National Level National Children Science Congress held at Gujarat.

### 25th National Children Science Congress@ Science City, Ahmadabad:



25th National Children Science Congress host by Gujarat State. This programme supported & catalyzed National Council of Science & Technology Communication and Department of Science & Technology, Government of India, hosted by Gujarat Council on Science & Technology, Gujarat Council of Science city and Sal Education. This event is scheduled on 27th to 31st December, 2017 at SAL Education and

Science City, Ahmadabad. In this programme more than 750 child Scientist from all over India and Asian and Gulf Country presented their research work. Many other activities are also planned for students and teachers. 3 Child scientist from Bhavnagar district also participated in this National level programme

### National Science Drama Festival-2017 (District level):

To create awareness about varied subjects among a community National Council on Science museum, Mumbai and Nehru Science centre organize National Science Drama Festival every year. GUJCOST coordinate and organize the National Science Drama in Gujarat. Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST) Organized



Science Drama Festival-2017 is on 23rd November,2017 @ A.K. Mordiya High School, At: Nari, Ta: Bhavnagar in Bhavnagar District. The Theme of the Drama is SCIENCE FOR SOCIETY. Lighting Ceremony of this programme carried out by Mr. Jingsesh Vyas ( Teacher, C.M Vidhyalay, Palitana), Mr. Darshak Shukla, Mr. Ashwin Patel ( Principal, A. K. Moradiya High School) and Mr. Harshad Joshi (Coordinator- KRCSC). There were 125 students from various school Students & teachers of Bhavnagar district benefited by this programme. M.S. Lakhani Kanya Vidhyalay Secured first rank in this competition.





## Other Programmes:

### Seminar on E-Waste:



"E-Waste is a term used to cover items of all types of electrical and electronic equipment (EEE) and its parts that have been discarded by the owner as waste without the intention of re-use." .KRCSC organised seminar on E-Waste for school students @ D. J. Mehta High School, Bhavnagar. In this seminar our expert Mr. Subhasbhai Mehta (Rtd. Prof. Sir P. P. Science Collage) explained about what is E-WASTE sources of E-Waste, its harmful effect on environment & living things, problems and challenges for e-waste. At last he concludes his speech by gave details on environment protection agencies which work on this topic at National & International level. 143 primary and secondary school students and teacher benefited by this seminar.

### ISS (International Space Station) & Jupiter Gazing Programme @ Takhteshwar:

The International Space Station is the largest structure in space ever built by humans. It is a large Spacecraft, orbits around Earth & home for astronauts. ISS is also a science lab. This ISS circles the globe every 90 minutes at a speed of about 17,500 mph (28,000 kph). There was a great opportunity to watch ISS passing through Gujarat. It can be viewed on 17th April & 20th April between 7:12 to 7:16 pm from North-west to South-East. So Kalyan Regional Community Science Centre, Bhavnagar organized symposium @ Takhteshwar Temple, Bhavnagar. In this Symposium our Expert Mr. Subhasbhai Mehta gave Audio- Visual information related to ISS. Afterwards people show Jupiter with its satellite by telescope. More than 300 people benefited in this programme.



### CRC-BRC Orientation Workshop:



Since last 24 years' National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this project BRC-CR orientation organized by Kalyan Regional Community Science Centre Bhavnagar on 11, May, 2017 at DIET Bhavan, Bhavnagar. In this programme our Expert Mr. Bhavesh Vyas

(District Academic Coordinator- NCSC) explained history of NCSC, theme and sub theme, students how to work on this project and how to register their school on NCSC Web portal. Our evaluators Mr. Harshad Joshi was given guidance on the sub theme of Subject. More than 200 teachers from district participated in this programme.



# Kalyan Regional Community Science Center, Bhavnagar

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## Astronomy-Chemistry Summer Camp:



Vacation means a time to learn something new and exciting. For college students and our Club members Kalyan Regional Community Science Centre Bhavnagar organized Astronomy-Chemistry summer Camp @ Vishuddhanand Vidhyamandir, Bhavnagar. On 1st day Mr. Hariom Gupta (Scientist, CSMCRI) Explained about Magnetic Fluid and Mr. Nishant Nair (Research fellow, Physics Dept.) Represent the how to made a Magnetic

Fluid model. 2nd day Mr. Paresh Poria (Teaching Assistant, Dept. Of Marine Science) explained on Research Methodology and paper presentation. Second last day miss Sweta Dabhi (Research fellow, Physics Dept.) Told the students about how to crack upcoming Competitive Examination and Mr. Pinakin Chudasama explained about studies in foreign Countries. The last day Mr. Subhas Mehta (Rtd. Prof. Sir P.P Science Collage) describe science behind astrology. Mr. S.P. Bhattnagar (HOD, Physics Dept) deliver a speech on importance and mechanism of Ham Radio. There were more than 50 Students benefited by this workshop.

## Science Popularization programme @ Happy Street:

CCC and BAC working under Kalyan Regional Community Science Centre participated in happy street organized by Bhavnagar Municipal Corporation & happy street team. In KRCSC stall our club member gave basic information about science model, like magnetic fluid, Eclipse model, and math model etc. More than 2000 people visited our stall and collected basic information. Golden part of this programme is Bhavnagar mayor Mrs. Nimuben Bambhaniya, Mr. Sureshbhai Dhandhaliya (Chairman standing committee) and their staff member also visited our stall and best wishes for bright future.



## Telescope making workshop @ Bhopal:



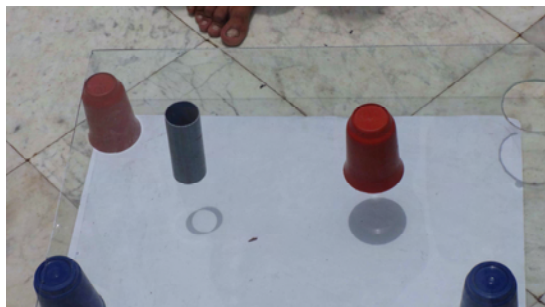
Vigyan Prasar (VP) is an autonomous organization under Department of Science and Technology. Vigyan Prasar is engaged in the popularization of Astronomy at national level through various means. Since its formation Vigyan Prasar had procured many astronomical instruments, conducted many astronomy awareness programmes and developed numbers of resource material on astronomy. Kalyan Regional Community Science centre, Bhavnagar invited for this workshop. In this Workshop expert

explained about how to prepare a telescope.





## Selfie without Shadow:



The lack of shadow is beautiful too. And it happens twice a year, for places between +23.5 and -23.5 degrees latitude. The Sun is almost never exactly overhead at noon, but usually transits a bit lower in altitude, a bit to the north or a bit to the south. We have all studied in school that the Earth's rotation axis is inclined at 23.5 degrees to the plane of its revolution around the Sun, which is why we have seasons.

This also means that the Sun, in its highest point of the day,

will move from 23.5 degrees south of the celestial equator to 23.5 degrees north of the equator (Uttarayan), and back again (Dakshinayan), in a year. Of course, the northern most and southern most points are the two solstices, and the crossing of the Sun across the equator is the two equinoxes. Science Kalyan Regional Community Science Centre, Bhavnagar organized selfie without shadow programme at Takhteshwar temple.

## Introduction Atal Tinkering Lab

To create scientific temper and cultivate the spirit of curiosity and innovation among young mind. The Government of India has setup the Atal innovation mission (AIM) at NITI Aayog. AIM proposes to support establishment of this network NITI Aayog allocate 20,00,000 /- for Atal Tinkering laboratories (ATL) in India. More than 15000 schools applied for all over India for ATL. ATL selection process was carried out into four (4) step after this process 600 school were selected



ATL. In Bhavnagar KRCSC approach Shree Vishudhanand Vidhya mandir, Bhavnagar for this lab. This school was selected for ATL and establishment process has been started. For next level ATL allocation. KRCSC invited 10 school's trustee, principal and science teacher for orientation workshop on ATL. In this workshop MR. Ashok Moradiya science teacher and ATL In-charge (Shree Vishudhanand Vidhya Mandir) explain how to present your selected topic in ATL. Mr. Harshad Joshi District co-ordinate (KRCSC) explains about application process and documentation.

## NCSC Introductory Programme for BRC:

NCSC is project which encourage children in the field of research by identify local problem & scientific solutions and the teacher's are stepping stone to create children into child scientist. The teacher know about National Children Science Congress KRCSC organized NCSC Introductory programme for BRC. In this programme our Expert Mr. Bhavesh Vyas -District Academic Coordinator-NCSC & Mr. Harshad Joshi District Coordinator explained history of NCSC, theme and sub theme, students how to work on this project and how to register their school online explained by project and academic coordinator. Our experts and evaluators were given guidance on the sub theme of Subject. More than 200 teachers from district participated in this programme. There Were More Than 75 Teachers from Porbandar District Participated in this programme.





# Kalyan Regional Community Science Center, Bhavnagar

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## NCSC Introductory Orientation Programme @ Porbandar:



NCSC is project which encourage children in the field of research by identify local problem & scientific solutions and the teacher's are stepping stone to create children into child scientist. The teacher knows about National Children Science Congress KRCSC invited for this programme. In this programme our Expert Mr. Bhavesh Vyas -District Academic

Coordinator-NCSC & Mr. Harshad Joshi District Coordinator explained history of NCSC, theme and sub theme, students how to work on this project and how to register their school online explained by project and academic coordinator. Our experts and evaluators were given guidance on the sub theme of Subject. More than 200 teachers from district participated in this programme.

## Partial Lunar Eclipse Gazing Programme:

A partial lunar eclipse took place on August 7/8, 2017, the second of two lunar eclipses in 2017. The Moon was only slightly covered by the Earth's umbral shadow at maximum eclipse. The moon inside the umbral shadow was a subtle red, but hard to see in contrast to the much brighter moon



in the outer penumbral shadow. There is many kind of Superstition connected with eclipse. To Create Awareness & explained a scientific reason behind this kind of superstition among the people kalyan Regional Community Science Centre, Bhavnagar organized Partial Lunar Eclipse Gazing Programme @ Takhteshwar. In this programme our expert explained about how partial lunar eclipse occurs. He also said that The interesting thing about lunar eclipse timings is that anywhere on Earth from where the Moon is visible during eclipse, the time will be the same. This is in contrast to a solar eclipse in which the timings of the contacts change as the location changes on Earth. There were more than 150 people gaze this eclipse.

## Lecture on How To Keep You Healthy @ D.J.Mehta High School:



Health means "a state of complete physical, mental, and social well-being and not merely the absence of disease". In current scenario due to hectic schedule, climate change and life style it is important to keep yourself healthy. Winter is a season in to be health in whole year. So with this thought Kalyan Regional Community Science Centre, Bhavnagar organized lecture on how to keep you healthy at D.J. Mehta High School, Bhavnagar. In this lecture Mr. Avinash Dave

explained about various exercise, yoga. He also explained about various methods used in Indian tradition which are useful for health. |There were more than 100 students benefited by this programme.



# Kalyan Regional Community Science Center, Bhavnagar

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Supported by: Gujarat Council on Science & Technology, DST, Gandhinagar

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## Super Blue Blood Moon Gazing Programme by Telescope @ Takhteshwar Temple



In many parts of the world, the eclipsed Full Moon on January 31, 2018 will be a Blue Moon, the first of two this year. The Moon will also be very close to the Earth, making it an almost Super Moon. The rare confluence of these three celestial events has prompted many to call this eclipse a Super Blue Blood Moon. For Bhavnagar Astrogazer Kalyan Regional Community Science centre, Bhavnagar Organized Super Blue Blood Gazing by telescope at Takhteshwar Temple. KRCSC arrange 3 telescopes with live projection. Mr.

Subhasbhai Mehta our Expert explained about eclipses, constelatiile, and zodiac sign. He also gave information about “Chandra Mission” of ISRO and Apollo Mission of NASA. More than 4700 people were a part of this rare astronomical event which taken place after 150 years.

## Visit to Black buck National Park Celebration of World Wetland Day-2018

World Wetlands Day is celebrated internationally each year on 2 February. It marks the anniversary of the signing of the Convention on Wetlands of International Importance (Ramsar Convention) in Ramsar, Iran, on 2 February 1971. This year’s theme “Wetlands for a Sustainable Urban Future” Kalyan



Regional Community organised visit to a Black Buck National park for Zoology students. During this visit Mr. Trivedi (ACF) and Mr. Harpalsinh (RFO) explained about different species of animals, birds with their photographs. They also Explained about migrated birds on its wetland area and our duties to save wetlands for future. More than 50 students participated in this visit.

## Visit to Nearby Wetland Area of Bhavnagar Celebration of World Wetland Day-2018



World Wetlands Day occurs annually on February 2nd, marking the date of the adoption of the Convention on Wetlands on February 2, 1971. Make this Day memorable to the students Kalyan Regional Community Science Centre, Bhavnagar organized visit to nearby wetland area of Bhavnagar. Out expert explained about immigrate

birds like black winged stilt, Comb duck, pied avocet darter, black headed ibis and peligun. He also explained characteristics and identification of these birds. There were more than 150 students from upper primary school students benefited by this programme.





## Lecture with Experiments on C.V Raman & Raman Effect Celebration on NSD-2018



You might be aware that 28th February is celebrated as National Science Day in India but do you know why and for what the day is celebrated as National Science Day. I am also sure you must have heard about celebrated Indian Scientist Sir Chandrasekhara Venkata Raman. On this day in 1928, he discovered a phenomenon of scattering of photons which was later known as 'Raman Effect' after his name. After two years in 1930, he got Nobel Prize for this remarkable discovery and this was the first Nobel Prize for India in the field of Science. To mark the discovery of his famous phenomenon National Science Day is celebrated in

India on the day each year. To Celebrate National Science day Kalyan Regional Community Science Centre, Bhavnagar organised lecture with experiment on C.V. Raman and Raman effect. In this programme our expert Mr. Subhasbhai Mehta explained about biography of C.V. Raman and show experiments of Raman Effects with used of household items so every student learn and do it for themselves. There were 75 students benefited by this programme.

## Fancy Dress Competition on World wildlife Day-2018:

Every year March 3 is celebrated as World Wildlife Day to raise awareness about our planet's flora and fauna..This year the theme of the day was "Big cats: predators under threat". To Celebrate this day Kalyan Regional Community Science Centre, Bhavnagar organised fancy dress competition @ Swaminarayan Gurukul. In this programme students wear various wild animals like tiger, bear, monkey etc.



Shri Niketaben Acharya (Science Teacher, N.C. Gandhi Kumari Vidhay Mandir- Bhavnagar) worked as judge. and told brief about their impotence in our life. In this competition Ms. Dhruvi Gohel , Mr. Harshil Andhariya and Mr. Tatagat Aashara got 1st, 2nd & 3rd rank successively. 1st, 2nd & 3rd Winner got Rs. 200/-, 150/- and 100/- cash prize respectively and 4th and 5th rank winner got consolation prize in this competition. There were more than 100 students and teacher participated in this programme.

## Urja Utsav-2018 (District Level):



Bal Urja Rakshak Dal-2018 programme sponsored by Climate Change Department (GOG), Gujarat Energy Development Agency (GEDA), and Gandhinagar. The Motive behind this programme is that Students learn about the importance of energy in our daily life. Since last 2 month team of KRCSC held on various programme like Energy Quiz, energy oath, lecture on energy resources, chart & model exhibition

under Awareness Generation Programmes on Sustainable Energy at 60 schools of Bhavnagar District. During this programme 5 best students were selected in quiz competition .this 5 selected students represent their school in district level Urja Utsav. There were more than 300 students and teacher participated in this programme.





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## Public Awareness Rally On World Sparrow Day-2018:



The World Sparrow Day was observed across the World on 20 March 2017. The day was created with an aim to raise awareness about the house sparrow and then other common birds to urban environments. The first World Sparrow Day was celebrated in 2010 across the World. Kalyan Regional Community Science Centre, Bhavnagar organized Public Awareness Rally @ Ashutosh Primary School. In this Rally Mr. Subhas Mehta (Rtd. Professor, Sir P.P Science Collage), Mr. Krishnakant Bakshi (Research Fellow, Marine Science Department), Mr. Jayrajsinh Gohil (Nature Photographer), Mr. Chetan (Principal, Ashutosh Primary School) and Mr. Mahesh Chudasama (Principal, Tejsawi Primary School) flag off the rally after inauguration function. This Rally Passes through Various Places.

There were 170 Students and teacher participated in this Rally.

## Visit to Black buck National Park (Celebration of World Forestry Day-2018):



Every year 21st March is celebrated as World Forestry Day. To create awareness among community through students about value, significance & Contribution of the forests to balance the life cycle on earth. With this motto Kalyan Regional Community Science Centre, Bhavnagar organise Visit to Black buck National Park, Velavadar for primary and upper primary school students. During this visit students saw museum related to blackbuck, wetland areas of the park. In this programme our expert Mr. Yash Vyas explained about blackbuck, their species, what is the meaning of albino blackbuck .He also explained about various bird found in the park and identification of birds. There were 70 students and teachers visited this park.

(Dr. Bhavesh Bharad)

Chairman,

Kalyan Regional Community Science Centre,

Bhavnagar.