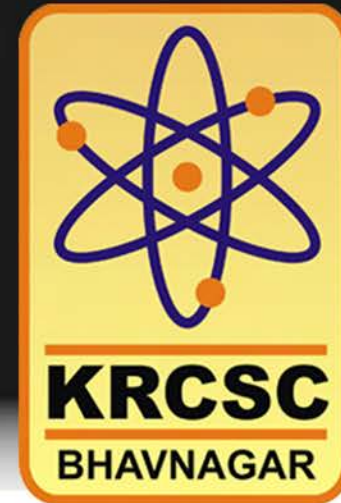


Activity Report 2016-17 (Bhavnagar District)



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)2570111-110, Email: krscbhavnagar@yahoo.co.in, Web: www.krscbhavnagar.org

KRCSC Bhavnagar on Social Media  <http://www.facebook.com/krsc.bhavnagar>  <http://twitter.com/KalyanRCSC>    



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	Kalyan Regional Community Science Centre, "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	www.krcscbhavnagar.org
6	Facebook, Twitter and other social media ID	Face book: www.facebook.com/krcsc.bhavnagar Twitter : https://twitter.com/KalyanRCSC Pinterest : https://in.pinterest.com/cscbhavnagar/ Google+ : https://plus.google.com/u/0/113806989920408114203/posts Youtube: www.youtube.com/channel/UC3MxTQ1wmuVWe8MS-wtliUQ
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 2016-17

Name of CSC : Kalyan Regional Community Science Centre, Bhavnagar

Type of CSC : Regional

NAME OF CO-ORDINATOR : Mr. Harshad Joshi

Phone : (0278) 2570111 / 2570110

Email-id : krcscbv@gmail.com

Minimum yearly programmes conducted by CSC during year 2016-17

Sr. No.	Type of Programme	No. of Programme conducted by Regional CSC
1	Popular Lecture Series/workshop /Seminar	20
2	Community Based Programme	90
3	Celebration of Scientific Days	51
4	Science Exhibition (Model /Charts)	23
5	Science quiz/Science Seminar/Science Project competition/other GUJCOST programme	09
6	Vigyan Safar/ Video Van Programme/ Programmes of Scientific Awareness About Superstition	34
7	Demonstration of Science Experiments (Science Experiments) Vigyan Darshan/Joy of Science	29
8	Establishment of Science Club in School Activities	231
9	Communicators Training	1
10	Citizen Science Programme	48
11	National Children Science Congress	03

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 2015-16

Total No. of Programme conducted by KRCSC during year 2016-17			250
Total No. of Days			209
Total No. of Beneficiaries			53,363
Sr. No.	Particulars	No. of Programme	No. of Beneficiaries
1	Celebration No. of Scientific Days	29	6,940
2	No. of Training Programme/Meetings Attends by CSC Coordinator / Communicator	09	147
3	No. of Programmes conducted at CSC	36	1,791
4	No. of Programmes conducted at District Head Quarter (Out of CSC)	92	29,284
5	No. of Programmes conducted out of District Head Quarter (Out of CSC)	120	21,973
6	No. of Training Programmes conducted by CSC	12	1,143
7	No. of School level Programmes	183	31,770
8	No. of College level Programmes	40	3,405
9	No. of Community Programmes on (Health, women and child, farmers, superstition)	35	21,014
10	No. of Program organized by CSC with financial assistance other than GUJCOST	04	869
11	GUJCOST Science Club Activity by Registered 230 Schools	212	--
12	Teacher Training Programme	03	530
13	Programs on Women	04	210
14	Gramsabha	--	--
15	Programs on Farmers	--	--
16	Programs on Patent / Trademark / IPFC	--	--



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Introduction:

Modern Society depends on scientific discovery & applying this new knowledge through technology. However the role science plays in our daily lives is often overlooked or taken for granted. So to create scientific attitude in correct sense & awareness among the students, teachers and common person The Kalyan Regional Community Science Centre, Bhavnagar has been organizing Different Scientific Programmes in Rural & Urban Areas in Bhavnagar District since 2002. The Kalyan Regional Community Science Centre, Bhavnagar Supported by Gujarat Council on Science and Technology, Gandhinagar and run by Kalyan Foundation Trust, Bhavnagar.

Below mention Science Awareness program carry out by The Kalyan Regional Community Science Centre, Bhavnagar.

Practical based learning for school students.

- ◆ Celebrations of various scientific days
- ◆ Popular lecture series, seminar and workshop
- ◆ Science, mathematics & Energy model exhibition
- ◆ Vigyan Safar (visit of KRCSC by person who's interest in the science)
- ◆ Science programmes for the society.
- ◆ Scientific education programmes like Science seminar, Science drama & Science quiz & others projects related to mathematics.
- ◆ Teacher's orientation programmes.
- ◆ Quiz related Information technology (I. T. quiz) for rural students.
- ◆ Science related various activities by initiating Science club in the school
- ◆ Industrial visit
- ◆ Sky gazing by telescope
- ◆ Universe information by slide show
- ◆ National Children Science Congress
- ◆ Joy of Science/ Vigyan Darshan
- ◆ To create scientific temper by Superstition awareness programme.
- ◆ How to know about adulterate food by food adulteration programme
- ◆ Science Communicator training program.
- ◆ Subject wise Activity Through different Club run under KRCSC-Bhavnagar.

Kalyan Regional Community Science Centre, Bhavnagar has conducted 250 Scientific Activity or Programmes as listed above with 75,083 Participants or beneficiaries in 151 days during the year 2016-2017.

Kalyan Regional Community Science Centre, Bhavnagar benefited 53,363 people including school & collage students through 250 Scientific Activity or Programmes in 206 days during the year 2016-2017.



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Vigyan Safar

In this programme we carry students to the world of Science. We fill them with hands on activities, exploration & insightful teaching. Child will be delighted & amazed at their leaps of understanding.

Yes, we carry high microscope, telescope, spectrometer, model exhibition & chemistry experiment like you expect us to

More than 2300 visitors including 13 school students visited Kalyan Regional Community Science Centre, Bhavnagar during 2016-2017.



Joy of Science / Vigyan Darshan



Joy of Science programme is for the primary, secondary & higher secondary schools students. Our aim is that every student not learn only theory but also practical aspects of Science which is fulfilled by this programme

In this programme we explain science rules like Acid base Reaction, Oxygen a need to Burn the things, jumping Mothballs, using up Air, An invisible force, Carbon Dioxide a fire Extinguisher etc. by this way we can also explained how science rules are used in our daily life.

More than 5087 Students & teachers benefited by 29 joy of science/Vigyan Darshan programme during 2016-2017.

Food Adulteration Awareness Programme

Kalyan Regional Community Science centre, Bhavnagar conduct food adulteration awareness programmes for community and specially women's because they have work with food & food items.

Food adulteration is basically lowering the quality of food for sale either by the admixture or by the substitution of inferior substances or by the removal of some valuable nutritious ingredient. In this programme we explained how we could find out adulteration in food items with different experiments like urea in milk, Turmeric in Ghee, Mineral oil in Black Peepers.



We held on 6 food adulteration awareness programmes / workshop in rural & urban areas. More than 225 citizens including women, students were benefited by this programme.

Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Superstition Awareness Programme



Superstition is excessive belief in supernatural powers. Blind Belief refers to the complete acceptance of something without any proof or reason. Though we have reached the era of a modern science and technology certain old beliefs, customs and superstitions have not yet changed Basically Science can destroy superstition by scientific way.

So ideally the scientific way leads us from observation to knowledge of fact. We convey good messages to society by holding

such superstition removal programmed like Nazar uatarvi, Chudel pakdvi, Magical lighting in school, college and community level.

We organized 26 programmes during the year 2016-17. Our effort behind this programme is to change the mind-set of the people towards science. More than 5,080 People benefited by this programme.



Sky Gazing by Telescope & Slide show



Sky gazing refers to literally gazing at the sky for pleasure or with an astronomical interest. The Amateur astronomy observations are generally accomplished with the naked eye or with basic optical aids. Simple naked-eye observations of the sky can reveal a great deal about the basics of astronomy and give a better understanding of the cosmos, while instruments, such as telescopes, are used to study deep space. Many different celestial objects can be viewed through sky gazing during both the night and day.

By this programme we gave information about different organization which works in space science, information about different planet like, Venus, Mars, Mercury Earth & many more to the Schools, Colleges students and also for community. Every planet has different distance from Sun, their rotation period around Sun, how many satellite every planets, explain by slide show.

There were 3565 people benefited in 15 Sky gazing by telescope & slide show programmes during 2016-2017.





Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Chart and Model Exhibition



An exhibition, in the most general sense, is an organized presentation and display of a selection of items. Exhibitions can include many things such as art & Science. KRCSC carried out Science models and chart exhibition.

Kalyan Regional Community Science centers, Bhavnagar organize 21 renewable energy resources Model & chart exhibition programmes in this year. In this chart exhibition we show definition of Energy conservation, types of renewable energy resources, solar cooker, solar steal, bio-gas plant etc & how they are worked and useful to us. Chart shows Comparison between previous and present stock of energy used by us to the school

students & community. We also demonstrate solar fan, solar bulb and many more models working on solar energy.

There were 4126 students & people got information related to renewable energy resources & its usefulness in our daily life by this programme.

❖ Sunday Science School (SSS)



Sunday means fun day. We thought Sunday has no work at all but for students it's time to learn with fun. Kalyan Regional Community Science Centre held on Sunday Science School for school students. In this programme we taught science in different ways. Students have to do activities; Science practical's which are used in their syllabus and science game. This year we organized Sunday science school for cerebral pulse students at C. P. School, Bhavnagar.

There were 50 students benefited by this SSS Programme.

❖ National Children Science Congress (District Level)

Teachers Orientation For NCSC (District Level)



NCSC is an ideal & innovative programme for children to inspire, empower & expand their mind to World. Kalyan Regional Community Science Center, Bhavnagar organizes d NCSC every year. To understand this project teacher who going to guide they understood first. So KRCSC plan teacher orientation workshop in two sessions. Fist session was for secondary school teachers on 24th, April 2016 @ Majiraj Girls School, Bhavnagar and second Session for primary School teachers on 9th July 2016 @ Government Medical Collage, Bhavnagar



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17



Main theme and sub theme of NCSC Programme explained by our project coordinator. He told how to do research work for participant students. Our experts and evaluators were gave guidance on different Subject including in sub theme of NCSC. There were 520 teachers from entire Bhavnagar District Participated in this programme

NCSC DISTRICT Level Competition

National Children Science Congress project working under science and technology department, New Delhi Since last 25 year to motivated the students in small research activity. Gujarat Council on Science and Technology handle this project in Gujarat. As parts of this National Children Science Congress programme Kalyan Regional Community Science Centre Bhavnagar organized student's project presentation Programme on 10th September 2016 at M.J.C.K.R School, At: Songadh, Ta: Shihor, Dist: Bhavnagar.

Mr. Bharatbhai Pathak (Retired IFS, State Academic Coordinator-NCSC), Shri Rajendrasinh Rana (Director NBCC, M.P. of Bhavnagar), Dr. I. R. Gadhavi (Dept. Of Marine Science, M.K.B Uni.), Dr. Hitesh Shah (Assoc. Prof. Sir. P.P Science Collage), Dr. Vijay Zarivala (Asst. Prof. Dept. of Economics, M.K.B. Uni.), Dr. Pranav Shah (Assoc. Prof. Swami Vivekananda Homeopathic Collage), Dr. Niraj Rajyaguru (Principal ,Kobadi Primary School), Dr. Dipak Dhandhukiya (Science Teacher, J.K. Chhotala High School), Mr. Bhaveshbhai Vyas (District Academic Coordinator), Mr. Pareshbhai Trivedi(President, Kalyan Foundation Trust), Dr. Bhaveshbhai Bharad (Chairman, KRCSC), Trustees of M.J.C.K.R were present to motivate the Students In this Programme.



There were 75 Upper primaries and Secondary School students participated in this programme. There were 11 Projects selected for state level Competition held at Ahmadabad.

Different District / State / National Level Competition

National Rural I.T. Quiz (District Level)

In this Digital Era rural students also updates their I.T related Knowledge. To test their Knowledge Tata Consultancy Services Ltd organizes National Level Rural I.T Quiz at Bangalore. As part of Rural IT quiz Kalyan Regional Community Science Centre supported by Gujarat Council on Science & Technology Department (GUJCOST).





Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Conducted District level National Rural I.T Quiz on 13th of August 2016 at Government Medical Collage, Bhavnagar. In this programme Lighting Ceremony was Carry out by Shri Vedantbhai Pandya (I/C Register, M.K.B. University) Mr. Mahendrabhai Patel (Deputy District Primary Education Officer, Bhavnagar), Shri Satishbhai Trivedi (A.O. Primary Education) and Mr. Pareshbhai Trivedi (President of Kalyan Foundation), Mr. Bhaveshbhai Bharad (Chairman, KRCSC).



District level Rural I.T Quiz organized in 3 Round. There was a tough Competition among the students. WE got best team after completion of each round and at final round we got 10 best teams out of 69 teams. There were selected best 10 team participated in State level Competition. There were 218 participant in which 138 student & teachers from 65 Primary & Secondary School of rural areas.

National Rural I.T. Quiz (State Level) || State Champion (Hetric) ||

Gujarat Council of Science & Technology, Gandhinagar Organized state level National Rural I.T Quiz organized Town hall, Gandhinagar on 22nd September, 2016. Bhavnagar district winner team participated in this state level competition. 580 students in 320 teams of all district of Gujarat participated in this competition. Among 580 students Bhavnagar District's M.J.C.K.R Higher Secondary School, At: Songadh, Ta: Sihor selected for the National level Rural I.T quiz held at Bangalore.



National Rural I.T. Quiz (National Level)

TATA Consultancy Service, Bangalore held on National level Rural I.T. quiz on 27th & 28th November 2016 at Bangalore. All State winner team participated in this National level Competition, Gujarat state winner team from Bhavnagar M.J.C.K.R Higher Secondary School Students Shah Viraj & Shah Kartik Secured 3rd Rank in this National level Rural I.T.

National Science Seminar-2016 (District level)



Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology de partment (GUJCOST) organized district level National Science Seminar every year. This year is celebrated as International year of Pluses.

Kalyan Regional Community Science Centre, Bhavnagar held on District level National Science Seminar on

Kalyan Regional Community Science Center, Bhavnagar

Supported by Gujarat Council on Science and Technology, Gandhinagar &
Run by Kalyan Foundation Trust, Bhavnagar



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

13th of August 2016 at Government Medical College, Bhavnagar on the theme of PULSES FOR SUSTAINABLE FOOD SECURITY: POSSIBILITIES & CHALLENGES. In this programme Lighting Ceremony was Carry out by Shri Vedantbhai Pandya (I/C Register, M.K.B. University) Mr. Mahendrabhai Patel (Deputy



District Primary Education Officer, Bhavnagar), Shri Satishbhai Trivedi (A.O. Primary Education) and Mr. Pareshbhai Trivedi (President of Kalyan Foundation), Mr. Bhaveshbhai Bharad (Chairman, KRCSC) were present and share their views on importance of pulses in our life.

In this competition Mr. Chetash Parekh (Swaminarayan Gurukul, Sardarnagar), Mr. Kripal Chuhan (B. B. Shah High School, Devgana, Ta: Shihor),

Ms. Aashka Kamdar (Naimishranya School, Sidsar, Bhavnagar) got First, Second & Third rank. First & Second Ranker will go to State level Competition held at Science City, Gandhinagar.

There were 117 Students with 88 Teachers from 96 Primary & Secondary School and 15 others as total 220 were present in this Science Seminar programme. For students appreciation and motivation each students got a certificate in this competition.

❖ National Science Drama (District Level):



Drama to refer to plays in general or to work that is connected with plays and the theatre, such as acting or producing. Science Drama means pass a scientific message to the society.

Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST) organized District level National Science Drama every Year. The Theme of the Drama is SCIENCE FOR SOCIETY. KRCSC organize Science Drama on this

theme on 2nd September 2016 at Sant Marry English School, Bhavnagar

Opening ceremony guests were Dr. Mahendrasinh Parmar(Syndicate member & prof. Gujarati Bhavan), Shri Dipakbhai Teraiya (Trainer & Motivator) Shri Virenbhai Pandya (Asst. Prof Government Collage, Gadhada), Shri Prashakha Shukla (Teaching Asst. Dept. Marin Science), Shri Satishbhai Makwana (Vidhaydhish VidhyaSankul), Dr. Bhaveshbhai Bharad (Chairman, KRCSC). There were 260 participant including 210 students and 35 teachers from 25 school of Bhavnagar districts. C. M. Vidhyalaya, Palitana Winning team represented Bhavnagar District in state level drama competition.



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

Club working under KRCSC, Bhavnagar

❖ Bhavnagar Astronomy Club (BAC):

Kalyan Regional Community science centre, Bhavnagar formed a club for physics students and also who are interested in astronomy. Various kinds of activities like sky gazing by telescope and public awareness programme related astronomical event occurred in the sky carried out by this club.



❖ Bhavnagar Astronomy Club (BAC) Summer Workshop:



For Bhavnagar Astronomy Club (BAC) Kalyan Regional Community science centre, Bhavnagar organized 5 day summer Vacation workshop at M. J. Commerce Collage, Bhavnagar on 5th may to 10th may. In this workshop we carried out various activities like lecture on astronomy in day to day life by Mr. Narendra Gor (Katchh Astronomy Club), Sky Gazing by telescope @ Kuda Mr. Narendra Gor (Katchh

Astronomy Club) and Prof. Brijmohan Thakor (SPU, VVM),

Lecture & Activities on Observational Astronomy by Prof. Brijmohan Thakor (SPU, VVM), Lecture on MOM (Mars Orbital Mission) By Dr. J. P. Joshi (Scientist, ISRO), Activities and lecture on transit of Mercury (TOM) by Mr. Subhasbhai Mehta (Rtd. Prof. Sir P.P. Science Collage) and public awareness campaign TOM and transit of Mercury @ Takhteshwar temple, Bhavnagar. We conclude our workshop

by ISRO Visit. There were 60 students participated in this workshop and more than 2000 people benefited in TOM Event and more than 2 Lac people got information related to TOM in public awareness campaign.



❖ Creative Chemistry Club (CCC):

Kalyan Regional Community science centre, Bhavnagar formed a club for Chemistry students and also who are interested in astronomy. Various kinds of activities like Presentation on different chemistry related topics, industrial visit, lecture on different topics carried out in this club.





Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

❖ Creative Chemistry Club (CCC) Summer Workshop:

For Creative Chemistry Club (CCC) Kalyan Regional Community science centre, Bhavnagar organized 3 days summer Vacation workshop at M. J. Commerce Collage, Bhavnagar on 6th may to 9th may. In this workshop we carried out various activities like lecture on chemistry in day to day life by Mr. N. K. Kuvadiya (RTD. Prof. Dept. of Chemistry, M. K. B. Uni.) , Practical implication on various instrument used in Lab by MS. Rupa Munjpara (Ass. Prof. Sir P.P Institute of Science, Bhavnagar),



students gave power point presentation on various topics like Chemical reaction, magnetic hill and how to formed rainbow in tube. Excel Crop Care Ltd. Visit was there. On the last day chemistry quiz in 3 different rounds & winner of this quiz got a prize. Ther e were 70 students participated in this workshop.

Different Programmes

Kalyan Regional Community Science Centre, Bhavnagar celebrate various days announce by International and National Government, We also celebrate scientist birthday by Multifarious programme.

❖ Various Day Celebration Programme

Kalyan Regional Community Science Centre, Bhavnagar celebrates various days by different way. Details of this day celebration are as under.

World Health Day:

“Health is Wealth” – women is a crucial part for our life who not only maintain our life but also our health. So to create awareness among them KRCSC organized lecture and rec ipe competition on How pulses are help to beat Diabetes World health day.

There was 50 women’s participated in programme.



World Earth Day:



Earth Day is an annual event. We know it celebrated on April 22, on which day events worldwide are held to demonstrate support for environmental protection. It was first celebrated in 1970, and is now coordinated globally by the Earth Day Network, and celebrated in more than 192 countries each year. Numerous communities celebrate Earth Week, an entire week of activities focused on environmental issues. Kalyan Regional Community Science Centre with Gujarat Pollution

Control Board organized Drawing competition on the theme of Trees for the Earth at town hall, Bhavnagar.



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Activity Brief Year 2016-17

In this drawing competition Mr. R.R. Vyas (Regional Officer, GPCB), Dr. Bhaveshbhai Bharad (Chairman, Kalyan Regional Community Science Centre, Bhavnagar), Mr. Amulbhai Parmar (Drawing Teacher), Mr. Ashokbhai Patel (Drawing Teacher) were there to motivate the students and also for prize distribution ceremony. In this competition students from Nursery to Old Citizen participated. We classified them in age wise 3 different groups. 1st, 2nd & 3rd Winner from each groups got cash prize respectively and every participant got certificate in this Drawing competition.



There were 270 people participated in this drawing competition.

World Intellectual Property Day



Every April 26, we celebrate World Intellectual Property Day to learn about the role that intellectual property rights (patents, trademarks, industrial designs, copyright) play in encouraging innovation and creativity. The event was established by the World Intellectual Property Organization (WIPO) in 2000 to "raise awareness of how patents, copyright, trademarks and designs impact on daily life" and "to celebrate creativity, and the contribution made by creators and innovators to

the development of societies across the globe". Kalyan Regional Community Science Centre held on lecture on the theme of Digital Creativity: Culture Remained. Our expert explained how a balanced and flexible intellectual property system helps ensure that those working in the creative sector and artists themselves are properly paid for their work, so they can keep creating. There were 50 students benefited by this programme.

Gujarat Foundation Day:

On the 56th foundation day of Gujarat, Kalyan Regional Community Science Centre, Bhavnagar organized photo exhibition, scientific movie show, Science - Mathematics model exhibition for general public. There were more than 300 people visited this exhibition.



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

World Environment Day



guests were Mr. Banchanidhi Pani (Collector, Bhavnagar), Mr. Suresh Dhandhala (Chairman, Standing committee, BMC, Bhavnagar), Mr. R.R. Vyas (Regional Officer, GPCB), Mr. Vikramsinh Gohil (Head Solid waste Management), Mr. K.C. Pathak (GM, Nirma Ltd.) , Mr. Saileshbhai Mehta (HR manager, Madhu Silica), Mr. S. J. Chandarana (City Engineer ,BMC), Mr. J.A. Rana (Dy. Municipal Commissioner, BMC),

Mr. K.C. Pathak (GM, Nirma Ltd.), Mr. Pareshbhai Trivedi (President-kalyan Foundation), Dr. Bhaveshbhai Bharad (Chairman KRCSC) present to motivate the students. There were more than 1000 students, teachers and staff members of various department participated in this different programmes.



World Population Day:



problems in the world. There were more than 300 students benefited by this programme.

World Population day is an annual event, observed on July 11 every year, which seeks to raise awareness of global population issues. This year's theme is 'Investing in teenage girls'. KRCSC perform drama on given theme at M.S Lakhani primary school Bhavnagar. By this drama we want give message those teenage girls face ignoramus programmes in the world. Also pass message that being mankind how much we damage our Nature and Due to this imbalance in nature we face many



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

World Hiroshima Day



Hiroshima Day commemorates 6 August 1945, the day when an atomic bomb was dropped on the Japanese city of Hiroshima, followed a few days later by another dropped on the city of Nagasaki. Hiroshima Day is now a focus for anti-war and anti-nuclear discussions and demonstrations. To celebrate this day and give information related to this day Kalyan Regional Community Science centre organized drama at Shri N.C Gandhi Kumari Vidhya Mandir, Bhavnagar. With help of

this drama we explained the harmful effect of atomic bomb, formation of United Nation and also pass a message to save environment. There were more than 300 student's shows this messaging drama.

Dr. Vikram sarabhai 98th Birth anniversary

Vikram Sarabhai was the main personality behind the launching of India's first satellite, 'Aryabhata'. He is considered as the 'father of the Indian Space Programme'. Vikram Ambalal Sarabhai was among the few scientists who devoted their entire life to the progress of science in our country, was born on 12th August 1919 in Ahmadabad, Gujarat. His father Ambalal Sarabhai was an affluent industrialist and owned many mills in Gujarat. His interest in solar physics and cosmic ray led him to set up many observation stations around the country. He was also the Chairman of the Atomic Energy Commission. In his living memory we organize a movie show which shows an entire life history of Dr. Vikram Sarabhai for school students. In this programme 50 students were benefited by this programme.



Akshay Urja Diwas

Akshay Urja diwas is an awareness campaign about the developments of renewable energy in India, celebrated on August 20 every year since 2004. The Indian Ministry for New & Renewable Energy Source initiated Akshay Urja Day (Diwas) in 2004. To celebrate this day KRCSC organized lecture on renewable and non renewable energy recourses. We also show different solar model and explained about how it works and renewable recourses chart to the students. There were more than 70 students benefited by this programme.

World Ozone Day



16th September is celebrated as World Ozone Day. This year theme of Ozone day is "OZONE AND CLIMATE: RESTORED BY A WORLD UNIED". Kalyan Regional Community Science Centre Collaborated with Gujarat Pollution Control Board to celebrate World Ozone Day. For that KRCSC organized Scientific Movie show for School Students & Ozone Dialogue with youth' programme for college students at Rotary Hall, Bhavnagar. In this programme Shri R.R.Vyas (RO,



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

GPCB, Bhavnagar), Shri Rajeshbhai Kothari (President, Rotary Club, Bhavnagar), Dr. Bhavesh Bharad (Chairman, KRCSC) were present. The Chief Guest & Expert of this programme Dr. Bharatsinh Gohil (HOD, Dept. Of Life Science. M.K.B University, Bhavnagar) explain about ozone layer, ozone formation process, ozone depletion is effect human body and it creates skin diseases, eye diseases, Reduce immune system. Our expert gave a slogan Conservation = To learn it+ To Love it + To leave it. In conclusion he told that we have to become a soldier of Nature. There were 310 students, teachers benefited by this programme.

World Wild Life Week



As we all know that 2nd October to 8th October is celebrated as wild life week. To celebrate and to make awareness for conservation of wild life Kalyan Regional Community Science Centre, Bhavnagar org anized lecture and slide show for primary& secondary school students. In this programme our experts explained that wild life means not only a wild animals but it also include birds and plant. Birds & Animals are usefulness and important to the mankind. They also explained about

Extinct in the Wildlife and Legacy of wildlife. More than 1700 school students from entire Bhavnagar district benefited by this programme.

World Space Week



World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition. The United Nations General Assembly declared in 1999 that World Space Week will be held each year from October 4-10. In this programme our experts explained that different organization in the world work on space technology, also explained about different planets, its characteristics and about ISRO and its different achievement. More than 1400 school students

from different taluka of Bhavnagar district benefited by this programme.

National Milk Day



November 26 will be etched as a special day in the annual calendar of India - world's largest milk producer .For the first time in the history of India's dairy sector, all the dairy majors have joined hands to celebrate November 26 as National Milk Day in the memory Dr Verghese Kurien, Father of India's White Revolution. To celebrate milk day Kalyan Regional Community Science centre, Bhavnagar organized industrial visit at Sarvottam Dairy, Shihor for School and College students.



Annual Report (Year: 2016-17)

Activity Brief Year 2016-17

During visit we show different plant of milk and milk products like Ghee, Buttermilk and Curd. We also understood mechanism of each plant like How to collect milk, process of separation of fat into milk, quality control, packing and dispatch of the product. More than 50 students benefited in industrial programme.

World Soil Day



The World Soil Day campaign aims to connect people with soils and raise awareness on their critical importance in our lives. The International Union of Soil Sciences (IUSS), in 2002, made a resolution proposing the 5th of December as WORLD SOIL DAY to celebrate the importance of soil as a critical component of the natural system and as a vital contributor to human wellbeing. The positive contributions of pulses to soil properties are many: they fix the atmosphere nitrogen and improve its biodiversity, fertility and structure. That is why the

Food and Agriculture Organization (FAO) dedicates this year's World Soil Day to pulses. World Soil day was celebrated by Kalyan Regional Community Science centre, Bhavnagar at Shri Ghoba Primary School and Shri Hipavadali Primary School, Ta: Jesar .In this programme our expert Mr. Harshad Joshi explained Importance of soil in our life, Introduction of soil, structure of soil particles, types of soil and what is the reason behind the different colour of soil, types of crops in different soil to the students. He further explained that which are the human activities that polluted our soil which is an essential resource and a vital part of the natural environment from which most of the global food is produced. More than 250 students were benefited by this programme.

National Mathematics Day



In India, the day December 22 has been declared as the National Mathematics Day. Dr Manmohan Singh also announced that the year 2012 CE would be celebrated as the National Mathematics Year The Indian mathematical genius Srinivasa Ramanujan was born on 22 December 1887 and died on 26 April 1920. It was in recognition of his contribution to mathematics the Government of India decided to celebrate Ramanujan's birthday as the National Mathematics Day every year and to celebrate 2012 as the National Mathematical Year. National

Mathematics day was celebrated by Kalyan Regional Community Science centre, Bhavnagar at Shri V. L. Mangukiya Secondary School, Ta: Mahuva and Sardar Patel Primary School No. 59, Bhavnagar. In this programme our expert Mr. Harshad Joshi explained life history of A Great scientist Ramanujan, mathematics Past, Present and Future by slide show. Afterwards he explained how to make mathematical models to the students and according to his instruction students made different models mode like the magic square of Ramanujan, Taxi Cube and Magic of number Nine etc. Total 350 students benefited by this programme.



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World Wetland Day



Each year 2nd February is celebrating as World Wetlands Day, marking the date of the adoption of the Convention on Wetlands on 2 February 1971. To celebrate this day So Kalyan Regional Community Science centre organized one day nature study camp at Victoria Park. In this camp our expert Mr. Yashpal Vyas and Mr. Jay Dave gave information about different migrated birds shown in wetland area. They introduce herb used in our daily life and animals shown in the park. At the end of this

programme book of bird identification and herb identification distributed in the participants. In this study camp there were 60 students from different primary and secondary school of Bhavnagar participated in this study camp.

Galileo Galilee Birthday Celebration



Italian scientist and scholar Galileo made pioneering observations that laid the foundation for modern physics and astronomy. Born on February 15, 1564, in Pisa, Italy, Galileo Galilee was a mathematics professor who made pioneering observations of nature with long-lasting implications for the study of physics. He also constructed a telescope and supported the Copernican theory, which supports a sun-centered solar system. To celebrate 453 Birth anniversary of Galileo Galilee Kalyan Regional

Community Science Centre, Bhavnagar organized Galileo's moon Gazing programme by telescope at Agaiyali, Ta: Shihor. In this programme our expert Mr. Harshad Joshi explained about life history of Galileo and also shows biography of him. There were 150 students benefited by this programme.

National Science Day Celebration

28th February is celebrated as National Science Day. Kalyan Regional Community Science centre, Bhavnagar planned various activities to celebrate this day which are as under.

Lecture on National Science Day



28th February is celebrated as National Science Day in memory of Dr. C.V. Raman. Kalyan Regional Community Science Centre Bhavnagar held lecture on C.V. Raman Biography & Innovation "Raman Effect" at Aryakul Vidhyalaya & Sahjanand Vidhyalaya Bhavnagar, M. J. C.K.R, At: Songadh ,Ta: Shihor. In this programme our expert Shri Subhasbhai Mehta and Shri Dipakbhai Pandya explained out life story of C.V. Raman and its innovation in Raman Effect and also shown

biography movie to the students. There were more than 900 students benefited by this programme.

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Model Making Workshop



To celebrate National Science Day Kalyan Regional Community Science Centre, Bhavnagar organized Model Rocketry Workshop for primary and upper primary school student's M.J.C.K.R High school, Shihor, V. L. Mangukiya High School, Mahuva and Golden Tomorrow High School, Bhavnagar. In this workshop Mr. Harshad Joshi Explained rocket is work on Newton's third law of Motion that: **For every action, there is an equal and opposite reaction.**" Afterwards

he told that how to construct rocket. Finally rocket was ready to lunch. All students lunch their own rocket with launching pad. There were 240 students from different primary and upper primary school students participated in this workshop.

International Women's Day

International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. To make this day memorable. Kalyan Regional Community Science Centre, Bhavnagar organized seminar on "Women's leadership in Science & Technology" at J.J. Mehta Girls School, Shihor. In his lecture our expert Mr. Harshad told the motivational story of the women's who are top in their working area in a different field. Chief expert Shri Niketaben Acharya told the students that every woman has some inner strength and by using her strength woman can make her future bright & at last she sing a nice poem which explained different characteristics that women have. There were 376 students benefited by this seminar.



World sparrow Day



World Sparrow Day is celebrated on March 20, 2017. World Sparrow Day is a day designated to raise awareness of the House Sparrow and other common birds to urban environments, and of threats to their populations. Kalyan Regional Community Science Centre, Bhavnagar organized Environment Awareness Rally, Photo Exhibition, Human Chain and Documentary Show. In Inaugural Ceremony guests were Mr. D. P. Vaghela (R.F.O. Blacksburg National Park, Velavadar), Mr. V. A. Rathod (R.F.O. Mobile van

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Blacksburg National Park, Velavadar), MR. Bimal Bhatt (R.F.O. Training, Darjling), Mr. A. A. Dabhi (Victory Park, Bhavnagar), Mr. Barot (Victoria Park, Bhavnagar), Mr. Nilesh Raval (Chairman Education Committee, Bhavnagar), Mr. Pareshbhai Trivedi (President-kalyan Foundation) present for students motivation. More than 700 students, teachers and common public participated and benefited by this various programme.

World Forestry Day

World Forestry Day or International Day of Forests is celebrated worldwide every year on 21st of March at the international level in order to increase the public awareness among communities about the values, significance and contributions of the forests to balance the life cycle on the earth. The Theme for 2017 is Forest & Energy. To Celebrate World Forestry Day Kalyan Regional Community Science Centre, Bhavnagar held on Our Energy friend- Forest programme for Primary School Students at Victoria Park, Bhavnagar.

During the visit Our Expert Mr. Yashpal Vyas & Mr. Harsh Makwana gave information on usefulness of trees in our life as a medicine in Aayurveda. They also gave information that how could we identify different animals & birds. Afterwards students moved to visual lab where they show state level forestry day celebration live. There were 63 students & teachers got benefit from this programme.



World Water Day



World Water Day is held annually on 22 March as a means of focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources. Each year, World Water Day highlights a specific aspect of freshwater. This year's theme: Why waste water? In support of SDG 6.3 on improving water quality and reducing, treating and reusing wastewater. Kalyan Regional Community Science Centre,

Bhavnagar held on drawing competition at Shri Chamaradi Primary School, Ta: Vallbhipur to celebrate World Water Day. KRCSC Provide A3 Size drawing sheet to the participant. Every participant has draw picture on their thoughts related to water waste why? There were 164 students Chamaradi primary School was participated in this competition. 1st, 2nd & 3rd Winner from each group got prize respectively.

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Youth Trekking Camp - 2016



Trekking means adventure trip. Kalyan Regional Community Science Centre, Bhavnagar organized Youth Trekking camp for students above 14 years. Sea Shoreline tracking, camp fire, Wild animal identification etc. activities were included in this camp. More than 240 people participated in this trekking camp.

Training workshop on Transit of Mercury (State level):

Rajkot Community Science centre, O.V Sheth organized state level training workshop on transit of mercury. In which members of various Science Centre invited to participate in this workshop. In this workshop expert explained about how transit became, how to saw TOM and many more information related to TOM. There were 5 members of Bhavnagar Astronomy club participated in this state level workshop.

Industrial Visit (Excel Crop Care):

Kalyan Regional Community Science, Bhavnagar organized industry visit for Member of Creative Chemistry Club. During this visit Mr. Virenbbhai Pandya explained history of the industry, which type of product produce by industry. Then after we visited safety exhibition in which Mr. Imranbbhai told that for every department they have different safety tools. We also saw how to test soil, type of soil, how to find different soil content with the help of different machine. Excel crop care ltd. was visited by 50 chemistry students from different Science collages.

Transit of Mercury Awareness Champaign



Gangajaliaya Carnival organized to celebrate 294 Foundation Day of Bhavnagar. In this Carnival many stall was there. There was a public awareness stall on Transit of Mercury by Kalyan Regional Community Science, Bhavnagar. In which team of KRCSC and Member of BAC saw & explained about telescope. They explained about Transit of Mercury (TOM), distribute 20000 pamphlets of TOM, saw a movie related to it and also explained that with

the help of different mobile application how can they know more about Astronomy. More than 2 lakh people visited this stall during two days.

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Transit of Mercury Gazing Programme @ Takhteshwar Temple



A transit of Mercury across the Sun takes place when the planet Mercury passes directly between the Sun and a superior planet, becoming visible against (and hence obscuring a small portion of) the solar disk. During a transit, Mercury can be seen as a very small black disk moving across the face of the Sun. In Bhavnagar, ordinary man who are interested to saw the event but it could not possible for them for that Kalyan Regional Community Science,

Bhavnagar facilitate them with filter glass on telescope at Takhteshwar temple, Bhavnagar to saw the whole event. KRCSC also saw live coverage from Science City, Ahmadabad. More than 1900 people saw the Transit of mercury event.

Indian Space Application Centre, Ahmadabad (ISRO) visit

KRCSC held on ISRO visit for Science Students to celebrate world Technology Day. In this visit students saw a Space Application Centre exhibition where we saw different satellites 'like Earth observation, Geostationary satellites, different launching vehicles like PSLV, GSLV etc. They also got information that satellites used in whether prediction, crop assessment & forecasting, forest and environment. We also saw Earth station and different laboratories' working on making, testing of satellites. There were 100 people including students of different science collages visited ISRO.

Training Workshop on Spectroscopy @ Kadi



Creative Chemistry Club working under KRCSC. Member of Creative Chemistry club got a chance to visit Kadi Sarva Vishwavidyalaya and attained training workshop on spectroscopy. During this workshop head of chemistry department of Kadi Vishwavidyalaya Dr. Chintan Pandya explained about different instruments used in spectroscopy like HPCL, GC, IR etc. During this workshop students learn lots of new things and used and importance of different instruments.

There were 15 members of Creative Chemistry Club benefited by this workshop.



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Railway Workshop Visit



KRCS organized new Railway workshop visit for upper primary & Secondary school and college students. Our expert Mr. Vijay Vargiya (Chief Workshop Manager, Bhavnagar Railway Workshop) and Mr Viralbhai Pandya (Basic training centre in charge, Bhavnagar Railway Workshop) gave detailed information related to railway workshop. He told that Bhavnagar Railway workshop stood 1st amongst 64 railway workshop of Indian Railway. He also explained from creation

to the body of the coach of the train bogies, Washing Line Coach, Emergency break facilities and precautions in workshop's work. More than 110 people enthusiastically participated in this workshop visit.

Industrial Visit (CSMCRI Bhavnagar)

Central Salt and Marine Chemicals Research Institute (formerly Central Salt Research Institute) is a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), India. Kalyan Regional Community Science Centre, Bhavnagar held on visit of CSMCRI, Bhavnagar on 26th September as 74th Foundation Day of CSIR. During this visit we show Preparations of nutrient-rich salt of plant origins, Electro dialysis domestic desalination system, Preparation of low sodium salt of botanic origin, preparation of bio-diesel, Water distribution plant on wheel for remote area, drought area and areas effected during natural disaster. Different instruments used in their Research lab. More than 50 members of Our Creative Chemistry Club and Bhavnagar Astronomy Club under KRCSC visited CSMCRI.



Maths-Science and Space Model Exhibition



KRCSC exhibited Maths-Science and space Model exhibition in Cluster level Science fair at MSB School no.72, Bhavnagar. In math's- Science model exhibition students show different models like sensor related models, models explained different scientific rules, solar model, math's model and different math's puzzles. We also them also a space related model in this students show space satellite, telescope etc. More than 250 students & Teacher visited this model exhibition.

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Visit to Black buck National Park (Celebration of World Wild Life Week 2016)



National Wildlife Week is the National Wildlife Federation's longest-running education program, celebrating its 78th year in 2016. This year's theme, **Members Matter: Working Together for Wildlife** focuses on the contributions that individuals, schools, and communities can make for the wildlife in their own areas and across the nation. 2nd October is celebrated as "Gandhi Jayanti" and gave best tribute to

him our prime minister Mr. Narendra Modi declares to celebrate one week as "Swachh Bharat Abhiyan". To celebrate wild life week and Swachhta Bharat Abhiyan Kalyan Regional Community organized visit to a Black Buck National park for students. During this visit students knew history of different species of animals, birds with their photographs also saw migrated birds on its wetland area. After that students done cleaning activities of different part of park to celebrate Swachhta Bharat Abhiyan. More than 60 students participated in this visit.



Regional Mathematics Olympiad (RMO-2016)

The Mathematics Olympiad programme in India is organized by the Homibhabha centre for science education. This competition is organized to find out and motivate Maths talent in Gujarat. To find out this talent Kalyan Regional Community Science Centre organized district level RMO (Regional Mathematics Olympiad) exam on 9th October at KRCSC. There were 14 students participated in this competition.

Industrial Visit @ CSMCRI Bhavnagar (Celebration of World Science Day)



Central Salt and Marine chemical research Institute, Bhavnagar organised India International Science Festival-2016 on 10th November 2016. They organised "Vigyan Darshan" programme for school and college students. "Vigyan Darshan" programme includes a science exhibition showing R & D contribution & achievement made by CSMRI. Kalyan Regional Community Science centre arranged visit at CSMCRI for Creative Chemistry club and Bhavnagar Astronomy Club members on this

day. They show different projects like bio fuel from micro algae, identifying micro organism find out in seashore sight with help of satellite etc. There were more than 25 students benefited by this programme.



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Super Moon Gazing Programme @ Takhteshwar Temple



While full moons are always a delight to watch, the one scheduled to make an appearance on November 14, and the world is treated to the brightest super moon in 68 years. That's because it is no ordinary full moon, but the brightest and biggest "super moon". The term super moon refers to a full moon that coincides with the lunar orb's closest approach to Earth, or perigee. For sky gazer to see this tremendous astronomical event Kalyan Regional Community

Science centre, Bhavnagar organised Super Moon gazing programme at Takhteshwar Temple, Bhavnagar. KRCSC arranged 3 different telescopes. Our Experts Subhasbhai Mehta gave audio-visual information about super moon. This event was grand successful because more than 3500 sky gazers saw the super moon. Mr. Harshad Joshi (Co-coordinator KRCSC) and Member of Bhavnagar Astronomy Club worked hard for this event. Grand success said by Dr. Bhavesh Bharad (Chairman- KRCSC)

Comet ISON Gazing Programme @ Takhteshwar Temple



When Comet ISON was discovered in the autumn of 2012, astronomers hoped that it would eventually light up the night sky to become a "COMET OF THE CENTURY". Orbital analysis showed that the sun grazing intruder from the outer reaches of the Solar System would pass only 1.2 million kilometers above the Sun's visible surface on November 28, 2016. For sky gazers to see this tremendous astronomical event Kalyan Regional Community Science

centre, Bhavnagar organized sky gazing by telescope programme at Takhteshwar Temple, Bhavnagar. Our Experts Subhasbhai Mehta gave information about Comet Ison and nearby planets Jupiter. There were 100 sky gazers who saw Comet ISON and Jupiter.

Renewable energy Sources & Energy Conservation Drawing Competition



Bal Urja Rakshak Dal (BURD) Programme running under Gujarat Energy Development Authority (GEDA). The aim of this organisation is to pass the message related to energy conservation and uses of renewable energy resources to the People. For the same Kalyan Regional Community Science Centre, Bhavnagar Cooperation with GEDA organized Renewable energy sources & Energy Conservation Drawing Competition on 10th December 2016, at Town Hall,

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Bhavnagar between 1.00 pm to 5.00 pm. In this drawing competition SMT Truptiben Vyas (Deputy Commissioner, Bhavnagar), Shri Pareshbhai Trivedi (Principal of B.M Commerce High School, Bhavnagar), Dr. Bhaveshbhai Bharad (Chairman, Kalyan Regional Community Science Centre, Bhavnagar) were present to inspire the students and also for prize distribution ceremony. Shri Ashokbhai Patel (Drawing Teacher and CRC-3, Bhavnagar), SMT Kinnariben Rathod (Drawing Teacher, Fine Arts Collage), Shri Rakeshbhai Ujjainiya (Drawing Teacher), were worked as judges in this drawing competition. KRCSC Provide A3 Size drawing sheet to the participant. Every student whom takes part in this competition draw picture on their imagination related energy crisis face by human being in the future and used of Renewable energy sources. There were 296 students and 100 teachers & parents from different upper primary school of Bhavnagar and Bhavnagar Taluka were participated in this competition. 1st, 2nd & 3rd Winner from standard 5 to 8 got 5,000, 3000, and 1000 cash prize respectively and every participant got certificate in this Drawing competition.

Energy Conservation Rally



Bal Urja Rakshak Dal (BURD) Programme running under Gujarat Energy Development Authority (GEDA). The aim of this organization is to pass the message related to energy conservation and uses of renewable energy resources to the People. For the same Kalyan Regional Community Science Centre, Bhavnagar Incorporate with GEDA organized Energy Conservation Rally on 14th December 2016 (National Energy Conservation Day) during 7.30 to 10.30 is at Vishuddhanand Vidhyamandir, Bhavnagar. In this rally

Mr. A.G. Tannarana (Chief Engineer, PGVCL, Bhavnagar), Dr. C. B. Tripathi (Dean, Government Medical Collage, Bhavnagar), Shri Laljibhai Dhandhlya (Principal Vishuddhanand Vidhyamandir), Dr. Bhaveshbhai Bharad (Chairman, Kalyan Regional Community Science Centre, Bhavnagar) were present to inspire participant students. Dignitaries of the Dais share their thoughts on energy crisis faced by us and uses of renewable energy resources. After inaugural function invited guests gave departure signal to the rally Energy Conservation rally starts at Vishuddhanand Vidhyamandir & afterwards passes through different parts like M. J. Commerce Collage, PG boy's hostel, Law collage, BPTI Collage, Vidheswer mahadev temple and SBI bank etc. of Vidhyanagar areas and retunes at starting point. During this rally students carry banner of their school, play card and different slogan related to energy conservation with them. There were more than 1700 students & teachers from 74 school of Bhavnagar District participated in this rally.



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Workshop on making of mathematics model (National Mathematics Day)



In India, the day December 22 has been declared as the National Mathematics Day. Dr Manmohan Singh also announced that the year 2012 CE would be celebrated as the National Mathematics Year. The Indian mathematical genius Srinivasa Ramanujan was born on 22 December 1887 and died on 26 April 1920. It was in recognition of his contribution to mathematics the Government of India decided to celebrate Ramanujan's birthday as the

National Mathematics Day every year and to celebrate 2012 as the National Mathematical Year. National Mathematics day was celebrated by Kalyan Regional Community Science centre, Bhavnagar at Shri V. L. Mangukiya Secondary School, Ta: Mahuva and Sardar Patel Primary School No. 59, Bhavnagar. In this programme our expert Mr. Harshad Joshi explained life history of A Great scientist Ramanujan, mathematics Past, Present and Future by slide show. Afterwards he explained how to make mathematical models to the students and according to his instruction students made different models mode like The magic square of Ramanujan, Taxi Cube and Magic of number Nine etc. Total 350 students benefited by this programme.

Workshop on Penumbra Lunar Eclipse:



In this month there will be two different kind of eclipse are going on, penumbra lunar eclipse and Annular Solar Eclipse. First one is penumbra lunar eclipse. Kalyan Regional Community Science Centre, Bhavnagar organized workshop for Science collage students. In this workshop our expert Mr. Subhasbhai Mehta, Mr. Umeshbhai Dodiya and

Mr. Jawantbhai Yagnik were present. Mr., Mehta explained about different eclipse. He was also explained effect of lunar eclipse on Earth, effect of lunar phases on human behavior etc. Mr. Dodiya explained about light pollution and effect of light pollution on human as well as on earth and Mr. Yagnik explained about sun and sunspot and many more. More than 50 students participated in this workshop.



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Penumbra Lunar Eclipse Gazing Programme @ Takhteshwar Temple



It is often difficult to tell the difference between a penumbral eclipse and a regular Full Moon. However, this eclipse is easier to spot than an average penumbral eclipse because the Moon travels through the darkest areas of Earth's penumbra, only just missing the umbra, the shadow's dark core. For this astronomical event Kalyan Regional Community Science Centre, Bhavnagar organized penumbra lunar eclipse gazing programme at Takhteshwar, Bhavnagar.

By using 3 different telescopes. Our expert explained about what is penumbra lunar eclipse and its effect on human being. More than 50 students participated in this event

KRCSC participated @ Happy Street



Like every metro city, in history of Bhavnagar "Happy Street" was organized in Bhavnagar. In this event to create scientific temper with fun. Kalyan Regional Community Science Centre, Bhavnagar participated in this programme. KRCSC present scientific model exhibition like working model of stream engine, efficient use of door to door waste management van,

and usefulness of biodegradable waste, how magnetic field work etc, live Science practical's like reaction between HCL and Ammonia, different layers of liquid according their density and sunspot gazing by telescope. Mr. Gijubhai Bharad also visited this exhibition during the whole event more than 1000 people visited this exhibition.



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Cerebral palsy Students study Tour @ Velavadar and Lothal



Cerebral palsy students are part of Sunday Science School working under Kalyan Regional Community Science Centre, Bhavnagar. For those students KRCSC arrange one day study tour at Black bug National Park @ Velavadar and Lothal. During this study tour they show a museum in this park. Our expert Mr. Harsh explained history of royal era of Bhavnagar and its connection with Velavadar. Different types of birds found in this area and how can we differentiate them

in female and male. They saw black bug and also albino bug at park. After wards we went to Lothal. Where we show documentary on Lothal and museum where we saw their town planning scheme, economy and culture and many more. There were 50 students; teachers and parents participated in this tour.

Venus Gazing By Telescope @ Takhteshwar

Maha Shivaratri is a Hindu festival celebrated annually in honor of the god Shiva. There is a Shivaratri in every luni-solar month of the Hindu calendar, on the month's 13th night/14th day, but once a year in late winter (February/March, or Phalguna) and before the arrival of spring, marks Maha Shivaratri which means "the Great Night of Shiva" It is a major festival in Hinduism, but one that is solemn and marks a remembrance of "overcoming darkness and ignorance" in life and the world. To celebrate Maha Shivratri with devotees & lead them to astronomical knowledge Kalyan Regional Community Science Centre, Bhavnagar organized Venus gazing programme at Takhteshwar Temple. In this programme our expert Mr. Subhasbhai Mehta, Mr. Harshad Joshi and Member of Bhavnagar Astronomy club explained about constellation, our Natural satellite our smart Moon and many more information regarding astronomy and also gave information regarding different space application used in phone. More than 600 people benefited by this programme.



Dungarpur Primary School, Rajkot @ KRCSC

Dungarpur Primary School, Dist: Rajkot came to visit Kalyan Regional Community Science Centre, Bhavnagar. During this visit students show Science model Exhibition where they show different models like solar steel, biogases plant, magnetic train, electricity saving, light model etc then they move to science lab biological specimen, microscope etc and finally they shown sky related movie at our multimedia theatre. There were 55 students and teacher from Dungarpur primary school benefited by this programme.





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Seminar on Women Leadership in Science & Technology (International Women's Day)



International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. To make this day memorable, Kalyan Regional Community Science Centre, Bhavnagar organised seminar on "Women's leadership in Science & Technology" at J.J. Mehta Girls School, Shihor. In his lecture our expert Mr. Harshad told the motivational story of the women's who are top in their working area in a different field.

Chief expert Shri Niketaben Acharya told the students that every woman has some inner strength and by using her strength woman can make her future bright & at last she sing a nice poem which explained different characteristics that women have. There were 376 students benefited by this seminar.

Industrial Visit (Nirma Pvt. Ltd.):

Kalyan Regional Community Science, Bhavnagar organized industry visit for Member of Creative Chemistry Club. During this visit Students saw different quality control laboratory, Salt works, RMDO, Toilet soap production plant, slat production plant etc. Each department expert explained about machinery and chemicals used in that department. In last session Assistant General Manager Mr. K. C. Pathak gave presentation on their product, new innovation and expansion of plant, history of the industry many more useful information of the industry. Nirma Pvt. Ltd. industrial visited by 65 members of Creative Chemistry club.

