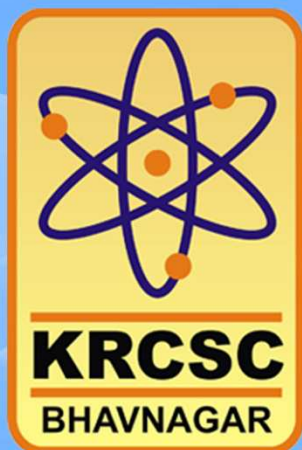


Annual Report 2014-15



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



INDEX

Sr. No.	PARTICULARS
01	Self Evaluation Report
02	Summary
03	Affiliation with VIPNET or Visitor Guest
04	Activity Brief of 2014-15
05	Programme Photographs and
06	Media Coverage



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



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?	231 (Registered During Year 2014-15)
8	Details about publication of Books / Magazine which develop Scientific temper	-----



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



Gujarat Council on Science & Technology

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

Community Science Centre Annual Review Meeting 14-15

Name of CSC : Kalyan Regional Community Science Centre, Bhavnagar

Type of CSC : Regional

NAME OF CO-ORDINATOR : Dr. Bhavesh Bharad

Phone : (0278) 2570110/2570111

Email-id : Krcscbhavnagar@yahoo.co.in

Minimum yearly programmes conducted by CSC during year 2014-15

Sr. No.	Type of Programme	No. of Programme conducted by Regional CSC
1	Popular Lecture Series/workshop /Seminar	14
2	Community Based Programme	47
3	Celebration of Scientific Days	24
4	Science Exhibition (Model /Charts)	12
5	Science quiz/Science Seminar/Science Project competition/other GUJCOST programme	04
6	Vigyan Safar/ Video Van Programme/ Programmes of Scientific Awareness About Superstition	50
7	Demonstration of Science Experiments (Science Experiments) Vigyan Darshan/Joy of Science	49
8	Establishment of Science Club in School Activities	231
9	Communicators Training	1
10	Citizen Science Programme	--
11	National Children Science Congress	3



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



Gujarat Council on Science & Technology

Dept. of Science & Technology, Govt. of Gujarat

Activities Report for the year 2014 – 15

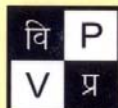
Total No. of Programme conducted by KRCSC during year 2014-15				211
Total No. of Days				170
Total No. of Beneficiaries				37,325
Sr. No.	Particulars	No. of Programme	No. of Days	No. of Beneficiaries
1	Celebration No. of Scientific Days	24	20	3010
2	No. of Training Programme/Meetings Attends by CSC Coordinator / Communicator	05	14	38
3	No. of Programmes conducted at CSC	16	15	774
4	No. of Programmes conducted at District Head Quarter (Out of CSC)	113	89	18,730
5	No. of Programmes conducted out of District Head Quarter (Out of CSC)	77	52	17,971
6	No. of Training Programmes conducted by CSC	09	09	827
7	No. of School level Programmes	146	105	29,839
8	No. of College level Programmes	06	06	810
9	No. of Community Programmes on (Health, women and child, farmers, superstition)	47	40	5897
10	No. of Program organized by CSC with financial assistance other than GUJCOST	01	01	115
11	GUJCOST Science Club Activity by 231 School	756	--	---
12	Teacher Training Programme	02	02	235
13	Programs on Women	17	14	875
14	Gramsabha	---	---	---
15	Programs on Farmers	---	---	---
16	Programs on Patent / Trademark / IPFC	---	---	---



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: krcscbhavnagar@yahoo.co.in, Web: www.krcscbhavnagar.org



VIGYAN PRASAR

(An autonomous organisation under the Department of Science & Technology, Govt. of India)
A-50, Institutional Area, Sector-62, Noida-201 309 (U.P.)



CERTIFICATE OF AFFILIATION

Kalyan Regional Community Science Center

is hereby a member of **VIPNET** "Vigyan Prasar
Network of Science Clubs" with good standing and is
entitled to rights and privileges of membership therein.

Unique Authorization No.: **VP-GJ0013**

State **Gujarat**

Registered Date **30-03-2015**


Director
VIGYAN PRASAR


Coordinator
VIPNET

Affiliated with Vigyan Prasar in VIPNET Club.

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

Kalyan Regional Community Science Center, Bhavnagar

Ph. No. - (0278)2570111-110, Email: krscsbhavnagar@yahoo.co.in, Web: www.krscsbhavnagar.org



Dr. Manoj Kumar Patariya,
Scientist “G” / Adviser, NCSTC, DST, New Delhi.



Visitors Book		
Date	Name & Address	Remarks
19.06.14	Dr. Manoj Kumar Patwariya Scientist G / Adviser, NCST/DST N. Delhi - 110016	I visited the Kalpana Community Science Center and found the staff and the programme are creative and are mandated to science popularization amongst children and the community. The innovative activities would attract children and the science name by young communicators would help attract more children to science.

Introduction:

The Kalyan Regional Community Science Centre, Bhavnagar has been organizing Different Science Related Programmes in Rural & Urban Areas in Bhavnagar District. Our beneficiaries are all class of Society like Students, Teachers, Women's, and Farmer etc. Our effort is to also reach the grassroots level people in the society to change their way of thinking towards science by different programmes. Our Vision is to create scientific approach /temper in daily life of our society.

Our team Work on different Science Programmes which are describe as under.

- ❖ Explain Science rules by Practical base in school
- ❖ Popular lecture series, workshop & Seminar
- ❖ Community Based Programme.
- ❖ Celebration of Various Scientific days
- ❖ Science Models Exhibition
- ❖ Academic programmes on Science and Maths, Science Drama, Science Quiz, Science Seminar & other Projects on Science & Mathes.
- ❖ Vigyan Safar Programmes of Scientific Awareness about Superstition & Food Adulteration.
- ❖ Teacher's Training Programmes
- ❖ Establishment of Science Club in School activities
- ❖ Vigyan Safar, Vigyan Darshan, Joy of Science.
- ❖ Information Technology Quiz Competition (I.T Quiz) for Rural School Students.
- ❖ Sky Gazing by Telescope & Slide Show
- ❖ National Children Science Congress
- ❖ Science Communicator Training Programme
- ❖ Industrial Visits.

Kalyan Regional Community Science Centre, Bhavnagar has conducted 211 Scientific Activity or Programmes as listed above with 37,325 Participants or beneficiaries in 170 days during the year 2014-2015

Details of the Programmes:

Vigyan Safar

In this activity students are allowed to visit our CSC where they can see different science models, solar energy model, electric saving model, different charts.



In laboratory students can see life cycle of different animals, living animal's specimen. Making mathematics' puzzles etc. all school and college students are allowed to visit centre. The motive of Vigyan Safar is developing scientific temper in our Society.

More than 11 schools visited during 2014-15 where 663 students were participated.

Joy of Science/Vigyan Darshan:

KRCSC planned this programme every year in different primary, secondary, higher secondary schools. Basic aim of this programme is to upgrade science knowledge of the students and students take more interest in Science.



We explain difficult science rules in simple manner with experiment so students for whom science is difficult subject understand it easily. We explain different experiment Like Carbon Dioxide a fire Extinguisher, Oxygen a need to Burn the things, jumping Mothballs, using up Air, An invisible force, Acid base Reaction.

We covered 49 Joy of Science / Vigyan Darshan programmes in 49 Different Urban & Rural School. More than 15,063 Students & teachers participant /beneficiaries in joy of science programme.

Food Adulteration Awareness Programme:

We kalyan Regional Community Science centre, Bhavnagar conduct food adulteration awareness programmes where training being an important component of the programme for prevention of food adulteration in society.



Food additives are defined as no nutritious substances which are added intentionally to food, generally in small quantity to improve its appearance, flavour, texture or shortage. In recent era population is increase and compare to it production of food item is decrease.

In this programme we explained food adulteration experiments like Aluminium foil on sweets, Turmeric in Ghee, Mineral oil in Black Peepers.

We held on 12 food adulteration awareness programmes /workshop organizes in rural & urban areas. More than 680 citizens including women, students were benefited for knowing the nutrition importance in our daily life.

❖ Chart Exhibition:



We organize 10 chart exhibition programmes in this year. In chart exhibition we show Energy conservation chart, addiction removal of tobacco chart for the students & community level. In this chart exhibition we show them instrument which save energy, other resource of energy like bio gas plant,

solar water heater, cross match with instrument and their uses of energy etc.

We reach to the 3635 people through 10 Chart Exhibits programme during the year 2014-15.

❖ Sky Gazing by Telescope & Slide show:

We explained different astronomy events like total lunar eclipse, lunar eclipse, solar eclipse different planets in our galaxies & universe in sky gazing programme by telescope.



We gave information about different planet like Mercury, Venus, and Earth etc. to the students of Schools, Colleges and community level. Every planet has different distance from Sun, their rotation period around Sun, how many satellite every planets, explain by slide show.

There was 7833 people got benefit in 25 programmes during this year.

❖ Superstition Awareness Programme:

We conduct superstitious awareness programmes. Superstitious means a kind of ignorance or the laws of nature and faith in chance or magic. 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 programmes like Nazar uatarvi, Chudel pakdvi, Magical lighting in school, college and community level.

We organize 39 programmes during the year 2014-15. Our effort behind this programme is to change the mind-set of the people towards science. More than 9,877 People got benefited by this programme.

National Children Science Congress (District Level)

1. Teacher Orientation for NCSC (District Level)



This year Gujarat Council on Science and technology, Gandhinagar organize National Children Science Congress projects which is run by science and technology department of Indian Government till last 21 years. KRCSC got this opportunity to work on this project.

For that we plan teacher orientation workshop for upper primary and secondary school teachers on 11th September, 2014 at shivshakti hall. In this programme our Expert explained history of NCSC, theme and sub theme, students how to work on this project is explained by project coordinator.



About 130 teachers were participated in this programme.

2. Students Project Presentation for NCSC (District Level)



In parts of this National Children Science Congress project kalyan regional community science centre Bhavnagar organize student's project presentation Programme. There were 25 school registered. Best 10 projects are going to participate in state level Competition.

❖ National Rural I.T. Quiz:

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



GUJCOST organize National Rural I.T Quiz in Gujarat, 1st on district level and then state level. KRCSC planned for this programme on 2nd August 2014 at Medical College. There is Elimination test related to knowledge of computer for the students. Every school had to participate at list 2 teams with 2 member of each team.

Opening ceremony guests was Mr. Viralbhai Vyas (Deputy DPEO, Bhavnagar), Dr. Kairviben Desai (HOD of Microbiology Dept. Govt Medical College), Dr. P. R. Jha (Dean Medical College, Bhavnagar), and Dr. C. B. Tripathi (HOD Medical College). There was 68 team from 34 rural school students. Every participant got certificate and 10 winners are going to participate in state level competition.

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



National Rural I.T. Quiz (District level) winners 10 teams represent Bhavnagar district in State level Competition held at Town hall, Gandhinagar on 17th September, 2014. In this Competition 400 teams from all district of Gujarat were participated. In this competition winner team of R. U. Rambhiya High

School, At: Songadh, Ta: Sihor, District: Bhavnagar will represent Gujarat State. In National level Competition held at Bangalore.

3. National Rural I.T. Quiz (National Level):

National level Rural I.T quiz held at, Bangalore on dated 10th & 11th November 2014. All State Winner team participates in this competition. Our Gujarat state Winner team from Bhavnagar District Pasad Yash & Shah Kartik from R.U. Rambhiya English School, Songadh won this competition and got Rs. 1,00,000/-prize.



National Science Seminar (District Level):



GUJCOST organize National Science Seminar in Gujarat, 1st on district Level and then state level. KRCSC planned for this programme on 2nd August 2014 at Medical College, Bhavnagar. The theme of this seminar is "INNOVATION IN AGRICULTURE FOR A SUSTAINABLE FUTURE: PROSPECTS & CHALLENGES.

Shri B. R. Baldaniya (Dist. Agriculture Officer), Shri R. R. Vyas (GPCB), Dr. P. R. Jha (Dean of Medical Collage), Shri Pareshbhai Trivedi (Principal, B. M. Commerce & President of KRCSC), and Dr. C. B. Tripathi (HOD Medical College) were Present and Motivate Students In inaugural Function.

In this programme 97 Primary and Secondary School Students and teacher were participated from entire District's and total beneficiary of this programme were 225. Winner of this Seminar Gohil Mananraj (K.K.J.P High School, Songadh, Ta: Sihor) and Pandya Jayati (Swaminarayan Secondary School, Bhavnagar), Malav Manjula (Shri Bajrangdasbapa Highschool, Bagdana, Ta: Mahuva) represent Bhavnagar District in state level Competition.

❖ National Science Drama (District Level):



GUJCOST Gandhinagar organize National level Science Drama in Gujarat, from district to state to national level. The Theme of the Drama is “**science for society**”. KRCSC organize Science Drama on this theme on 23rd August 2014 at Nataraj College.

Opening ceremony function's guests Shri Diwakar Upadhyay (Dhanesh Mehta High School), Krishnadevsinh Gohil (Coordinator of Visual art) were present.

In this District level Science Drama competition 145 students from 17 schools were participated. Winning team of this Science Drama represent in state level competition.

World Ozon Day: “Ozone Dialogue with youth”

16th September is celebrated as World Ozone Day. This year theme of the day is OZON LAYER PROTECTION: THE MISSION GOES ON.



‘Ozone Dialogue with youth’ organised by Kalyan Regional Community Science Centre with Gujarat Pollution Control Board. In this programme Chief Guest Shri Rajendrasinh Rana (Ex.MP), Shri G. D. Bhatt (GPCB, Bhavnagar), Shri Pareshbhai Trivedi (President of KRCSC), Dr. Bhavesh Bharad (Chairman-KRCSC) is present. Chief Guest & Expert of this programme was Dr. Vidyut Joshi (Ex. Vice Chancellor of Bhavnagar University) explain about ozone layer. He said that human being has to cooperative with nature and try to save ozone layer because Ozone layer is protecting us against Sun's Ultraviolet rays.

There are 450 students, teacher are beneficiary of this programme.

World Ozon Day: Poster Design Competition:



We also held poster design competition on same theme for school & collage students on 15th September 2014 at Fine Art College, Bhavnagar. There were 150 students participated in this competition. 3 winner of this competition were got cash Prize.

Teacher Workshop on Light is Life: (International Year of Light -2015)



This year is Celebrating as International year of Light. We held teacher workshop for upper primary and secondary school teacher's on 14th February 2015 at Chamber of Commerce hall, Bhavnagar. In this workshop Guests & expert were Mr. Chintanbhai Bhatt (Ex. Engineer - ISRO) and Mr. Dhanjaybhai Raval (Ankur Hobby Centre), Dr. S.P.Bhattnagar (HOD, Physics Dept. M.K .Bhavnagar Uni.).

Experts gave presentation and show different experiment on light. The Nature truth is teacher is "Man Maker" explained by expert and he also explained that "Light is life, light is God and light is Truth". There were 75 teachers was attend this workshop.



National Science Day Celebration:

28th February is celebrated as National Science Day. We kalyan Regional Community Science centre planned different kind of activity to celebrate this day which are as under.

1. Making of Scientific Toys Workshop:



We organised 3 workshop for Upper Primary and Secondary students of whole Bhavnagar district at different Taluka's in 3 days continue on 24th February @ DIET for Bhavnagar, & Ghogha Taluka', on 25th February @ Belur Vidhyalay, for Mahuva & Jesar Taluka & 26th February @ Satuababa Vidhyalay for Palitana Taluka.

Our Experts tough students how to make science related toys using different science rules. Students make toys like Newton's circle using seven colours of light, Number game, Newton chungli using air presser rules etc. More than 275 Students join this workshop.



2. Science Experimental Contest:



We held on this programme for students to known that with limited resource how they could make best use of this thing in science experiment in 2 different schools. In this school we divide students in group and told them to do experiment with given things like chemicals. In this programme 200 students were participated.

3. Scientific Games for Students who suffered from Cerebral Palsy:



We held scientific game programme for Cerebral Palsy student. In scientific game, they play games like match the pair of scientist and their invention, make a scientific word, and ask question related to science. These students were enthusiastically participating in scientific game programme. There were 50 students participate in this.

4. Lecture on National Science Day (Raman Effect)



28th February is celebrated as National Science Day in memory of Dr. C.V. Raman. Dr. C.V Raman published "Raman Effect" in Physical Science. In 1930 he got Nobel Prize for this invention. We held on lecture for Mahalaxmi Girls School, Bhavnagar. Our expert Mr. Subhasbhai Mehta explained them what is Raman Effect.

There were 150 students got benefit of this programme "Raman Effect": A change of wavelength exhibited by some of the radiation scattered in a medium. The effect is specific to the molecules which cause it, and so can be used in spectroscopic analysis.



GUJCOST Science Club:

To Encourage Scientific activity & create new scientific thoughts in our society. Department of Science & Technology decided to establish 5000 Science Club in Gujarat. KRCSC registered 231 GUJCOST Science Club in schools of Bhavnagar District. There were 95 Secondary & 136 upper Primary School's join in this GUJCOST Science Club Activity Network.



During the Year School which are connected in this network have to do science related activity like, celebration of scientist birthday, celebration of popular day, Workshop, essay competition, drawing competition, science fair etc. Under this project they have to submit activity report to the KRCSC after year ending.

Visit to Solar Plane Impulse-2 @ Ahmedabad:



World's First Solar Plane is landed on S.P airport at Ahmadabad on 11th March 2015 at 11.40 pm. We got a chance to saw solar plane. KRCSC planned to visit with GUJCOST Science Club affiliated Teachers.

There were 7 person got benefit to saw Solar Plane.

Different Programmes:

We celebrate scientist's birth day, days which are announce by International and National Government. We celebrate different days with different programmes.

1. Celebration of Dr. Vikram Sarabhai Birth Anniversary:



Dr. Vikram Sarabhai, who was considered the Father of Indian space program, was born on 12th August 1919 in Ahmedabad, 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 elocution and drawing competition in school students.

In this programme 150 students are get beneficiary of this programme.

2. Various Celebration Programme:

We organise Rally and Human chain on National Energy Conservation Day, Drawing Competition on World Ozone Day, World Water Day and World Earth Day, and World Environment Day, Easy competition on World Science day, Lectures on Human Rights Day, World Population Day & World Heart Day, Elocution competition on Birth Anniversary Vikram Sarabhai.

We celebrate birth anniversary of Galileo on 15th February by making telescope by students. We provide all the material like lenses of different focal length, card sheet etc. to students we explained them Galileo life history by PPT More than 50 students were participated in this programme.

We also organize different activity for women Like Recipe competition to celebrate International Women's Day on 8th March; Today's era our Priority is health and Women's are responsible for her family member's health for that we organize lecture on World Health Day and Industrial visit on world Technology Day.