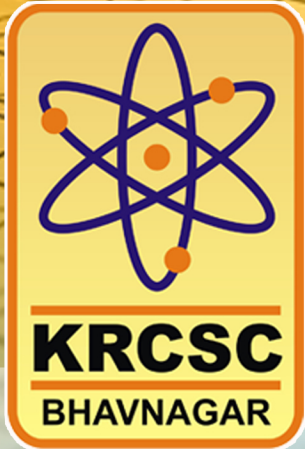
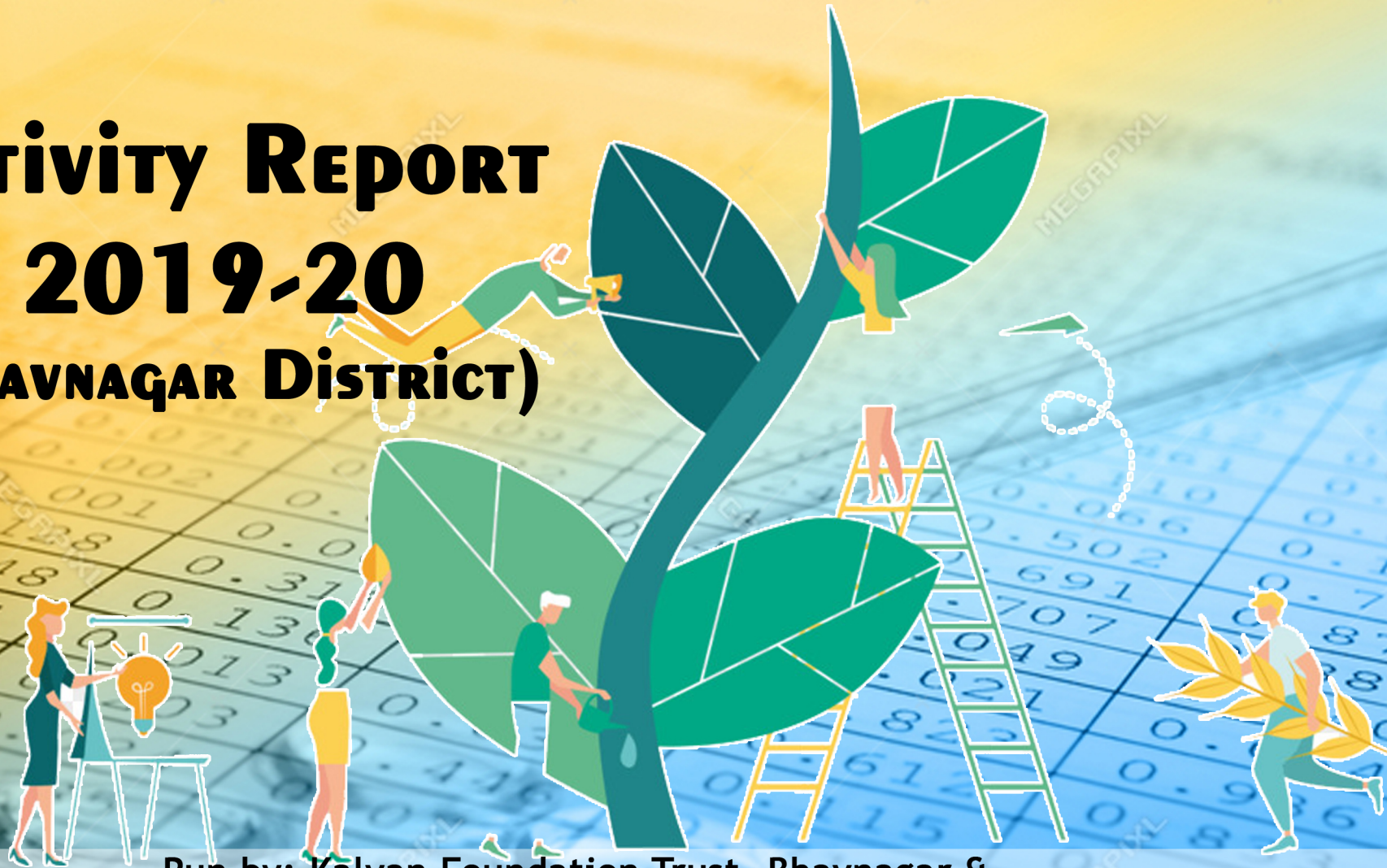




Department of Science & Technology
Government of Gujarat



Activity Report 2019-20 (BHAVNAGAR DISTRICT)



Run by: Kalyan Foundation Trust, Bhavnagar &

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

Kalyan Regional Community Science Centre, Bhavnagar

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

Ph. No.- (0278) 2570111, Email: krcscbvn@gmail.com, web: www.krcscbhavnagar.org

follow us on [krcscbhavnagar](#)       |  88 66 570 111



GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Dept. of Science & Technology, Government of Gujarat

Self-Evaluation Report

1.	Name of District	BHAVNAGAR
2.	Name of CSC	Kalyan Regional Community Science Centre, Bhavnagar
3.	Address of CSC	"VIGYAN BHAWAN", Plot No. 2206/4-A, Near Sanskar Mandal, Punjab National Bank Street, Hill Drive, Bhavnagar-364001
4.	Year of Establishment	2002
5.	Registration Number	
6.	Year of receiving GUJCOST reorganization and Grant	2003
7.	Space / Area of CSC (in sq. mt / sq. cm) No. of Rooms No. of Labs	6 Room 2 Hall 2 Chemistry, Biology
8.	Website Address	www.krcscbhavnagar.org
9.	Facebook Twitter Instagram ID YouTube LinkedIn Telegram	https://www.facebook.com/krcscbhavnagar https://twitter.com/krcscbhavnagar https://www.instagram.com/krcscbhavnagar/ https://www.youtube.com/channel/UCNSfZLVCqgiNPX1rEQ_9EA/featured https://in.linkedin.com/in/kalyan-regional-community-science-center-875a44a3 https://t.me/lokvigyankendrabhavnagar
10.	No. of School is attached with your CSC to Coordination for different programme / activity	More than 430 Schools (Upper Primary, Secondary and Higher Secondary)
11.	Details about publication of Books / Magazine which develop Scientific temper in 2019-20 (provide hard copy of book / magazine)	---



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat



Annual
Report

2019-20

Annexure

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [+](#) [p](#) [v](#) [w](#) 88 66 570 111

12	Member of any Institution / Govt. Association / etc. (if yes, give name Institution / Govt. Association etc.)	VIPNET (Vigyan Prasar, Govt. of India)
13	No. of School in respective District	
	No. of Primary School	1000 Around
	No. of Secondary School	800 Around
	No. of Higher Secondary School	530 Around
14	Funding from any other Agency / Institution / University / Govt. Association etc in 2019-20 (Also attached funding order)	
	Name of Agency / Institution / University / Govt. Association	Amount in Rs.
1	Gujarat Energy Development Agency, Gandhinagar	



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat



Annual
Report
2019-20
Annexure

follow us on [krscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

GUJARAT COUNCIL ON SCIENCE AND TECHNOLOGY

Dept. of Science & Technology, Govt. of Gujarat

Annexure:4: No. of Activities Report for the year 2019-20

Sr. no	Particulars	No. of Programmes	No. of Beneficiaries
1.	Celebration of S&T Days	18	2049
2.	Training Programs / Meeting attended by CSC coordinator / Communicator	04	06
3.	Details of Programs conducted at CSC	18	622
4.	Programs conducted at District Head Quarter (out of CSC)	26	3408
5.	Programs conducted out of District Head Quarter (out of CSC)	60	8815
6.	Training Programs conducted by CSC	06	242
7.	School Level Programs	80	69781
8.	College Level Programs	06	315
9.	Community programs on (Health, women and child, farmers, superstition)	22	7956
10.	Program organized by CSC with financial assistance other than GUJCOST	01	321
11.	Programs on GUJCOST Science Club	--	--
12.	Teacher Training Programme	03	430
13.	Programs on Women	02	105
14.	Gramsabha	--	--
15.	Programs on Farmers	--	--
16.	Programs on Patent / Trademark / IPFC	--	--
Total		246	94050

- Only write no. of programmes, no. of beneficiary and amount in Rs.
- Mention one programme in one category not mentions in multiple times.



Gujarat Council on Science and Technology

Dept. of Science & Technology, Govt. of Gujarat

Annexure: 5 No. of Programmes conducted by CSC during the year 2019-20

Sr. No	Type of Programme	District / Regional Community Science Centre
1	Popular Lecture Series/workshop/Seminar	14
2	Community based Programme	18
3	Celebration of Scientific Days	18
4	Science Exhibition	03
5	Science Quiz /Science Seminar/Science Project Competition/Other GUJCOST Programmes	07
6	VIGYAN SAFAR/Video Van Programmes, Programmes of Scientific awareness about superstitions	22
7	Demonstration of science Experiments (Science School)	154
8	Establishment of science Club in school and activities	NA
9	Communicator's training	01
10	Citizen Science Programme	04
11	National Children Science Congress	05

- Only write no. of programmes
- Mention one programme in one category not mentions in multiple time.



Annexure 7 A

- Write success stories of different programmes / activities including selective photographs and Media Clipping. (1-2 page)
Details of Unique programs (if any) done in 2019-20

1. Chandrayan-2

Chandrayan-2 launching live streaming program and information-based slide show by Shree J P Joshi (Former Scientist Of ISRO, Ahmedabad). Total beneficiaries of this program were 264 people.



2. Happy street



Children, youngsters and aged people took part enthusiastically in this memory recalling program. The aim was to spread the knowledge of various science instruments, various science streams. The instruments like telescope, the model of Gagan Yaan of ISRO (which is to be launched in 2022), Periscope, Magical chair, the system of leverage, various creatures and insects preserved in formalin solution glass bottles, various solar models like solar cooker, solar still, solar water heater, charts etc. were arranged and

demonstrated by club members and volunteers. There were more than 700 people benefited.

3. State Level Science Fair @ Aadpur, Palitana

Lok Vigyan Kendra, Bhavnagar presented various models related to science & technology at Aadpur, Palitana. In accordance of that presentation, the charts had been shown. The science fair has remained tremendously exciting and helpful in increasing knowledge amongst society. The charts reflected whole life span of ISRO, the detailed information on efforts of Vikram Sarabhai to build-up the foundation of ISRO and science awareness in India. There were more than 60000 students benefited by this program.





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat



Annual Report
2019-20
Annexure

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

Annexure 7 A

- Write success stories of different programmes / activities including selective photographs and Media Clipping. (1-2 page)
Details of Unique programs (if any) done in 2019-20

4. Celebration On 100th Birth Anniversary Of Dr. Vikram Sarabhai :

Kalyan Regional Community Science Centre, Bhavnagar has celebrated 100th birth anniversary by three different competition at B.M. Commerce high school. Drawing competition was evaluated by Mr. Ashok Patel (Drawing Artists), Ramesh sir and Mr. Shailesh Dabhi (Drawing Artists). Our essay evaluators were Dr. Nishant Nair and Ms. Vishakha Dave. The first was Essay Competition, second was drawing competition and third was elocution competition on 'Dr. Vikram Sarabhai and ISRO's stride'. In this program in drawing competition every participants were divided in three age groups which were 04 to 10 year, 11 to 17 year and the last 18 and 18 up . in other two competitions there were two age groups of participants. This topic was unique for everyone so we found lots of new ideas and knowledge from people and we have proved our motive to celebrate this program. There were 199 people benefited by this program.



5. Annular Solar Eclipse: At RSM Bhavnagar.

The rare event of annular solar eclipse was being seen from 08:04 to 11:18 am. From the beginning of program more than 1050 students from various standards and society people were so eager to watch the last eclipse of the year and saw a bright ring, or annulus surrounding the outline of the moon. The eclipse was being seen by pin hole camera, telescope and solar filters. The whole event was being shown live on a huge LED screen and on social media platform also. The viewer index of live event on KRCSC YouTube channel was 203. The chief guest of the whole event was Dr. Girish Goswami – The Director of Regional Science Museum. People also said that it was an extraordinary experience to watch the rare eclipse after 10 years with proper guidance. With support of KRCSC, many schools of Bhavnagar city conducted this program in their schools.





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

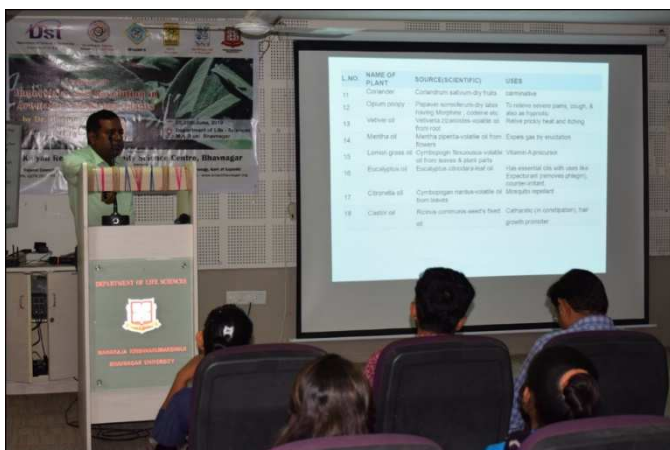


Annual Report
2019-20
Annexure

Annexure 7 A

- Write success stories of different programmes / activities including selective photographs and Media Clipping. (1-2 page)
Details of Unique programs (if any) done in 2019-20

6. Lecture on Importance and revolution in Aromatic & Medicinal plants by Dr. Gupta.



Kalyan Regional Community Science Centre, Bhavnagar Organized a lecture on Importance and revolution in Aromatic & Medicinal plants by Dr. Gupta at Department of Life Science, M.K.B.Uni, Bhavnagar. On this Program 'Lighting the amp' ceremony carryout by Dr. Bharatsinh Gohil (H.O.D., Department of Life Science M. K. B. Uni.), CSMCRI ,Bhavnagar Scientist Dr. Vaibhav Kulshreshth, Dr. Mangalsinh Rathod , Dr. Arun Das. And our Guest of owner Dr. Hariom

Gupta (Scientist ,CSIR- CIMAP, Lucknow). They explained about Aromatic & Medicinal Plants. They explained the Importance and use of plants lie Alluvia, Menthe, Osmium, vetiver and etc. They explained about India's first position in these Medicinal Plants and he also explained the most important topic about how we can use Medicinal Plants goodness by Nano technology. We can also earn money by these Medicinal Plants in minimum water or Low rainfall. He explained how these Medicinal Plants are useful in our daily using things. And also as remedy. KRCSC also introduce a new club Eco Biology Club of Bhavnagar for community for research and work on wide area. There were 80 Students, Teachers were benefited by this program.

Details of special program conducted for Women in 2019-20

Pregnancy for Super Child:

A seminar named "Pregnancy for Super Child" has been held at KRCSC, Bhavnagar.

The aim of that seminar was to build up the memory and grasping power of a child before birth and after birth. In this the experts suggested the most suitable circumstances for preparing a child as a super child. Mrs. Drashti Bhatt who was expert in making child a super child, explained through power presentation and such worth videos. Total 25 people take advantage of this helpful program. People really appreciated this seminar and accepted the concept suggested by expert.





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat



Annual
Report
2019-20
Annexure

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

Annexure 7 B

- Write programme / activity details where CSC invited local elective members including MP/MLA as well as the local administrative departments including District Magistrate, District Development Officer, TDO, Health Officer, DEO, DIET etc. also attached selective photographs (1-2 page)

1. **Shri T. S. Joshi (Director, NCERT, Gandhinagar)**
Visited KRCSC Bhavnagar's Stall @ State Level Science Fair, Aadpur, Palitana

2. **Dr. Pankaj Joshi**
Visited KRCSC Bhavnagar's Stall @ State Level Science Fair, Aadpur, Palitana



3. **Manharsinh Mori (Mayor, Bhavnagar)**

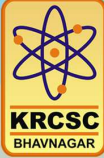
Visited KRCSC Bhavnagar's Exhibition @ City Level Science Fair, M.S.B. School No. 55, Fulsar, Bhavnagar



4. **Shri J. P. Joshi (Former Scientist, ISRO – SAC, Ahmedabad)**

As Expert in Lecture on Chandrayan – 2 @ Sir P. P. College of Science, Bhavnagar





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#)



Annual
Report
2019-20
Annexure

Annexure 7 B

- Write programme / activity details where CSC invited local elective members including MP/MLA as well as the local administrative departments including District Magistrate, District Development Officer, TDO, Health Officer, DEO, DIET etc. also attached selective photographs (1-2 page)
-

5. Shri Manish Thakor (DySP, Bhavnagar City)

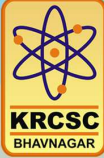
Visited KRCSC Bhavnagar's Stall @ Happy Street Programme, Rupani Circle, Bhavnagar



6. Shri K. R. Upadhyay (Regional Officer, RO Office, Bhavnagar)

He was Present in Inauguration Ceremony Ozone Day Programme @ Kalkendra, Bhavnagar





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 B

- Write programme / activity details where CSC invited local elective members including MP/MLA as well as the local administrative departments including District Magistrate, District Development Officer, TDO, Health Officer, DEO, DIET etc. also attached selective photographs (1-2 page)

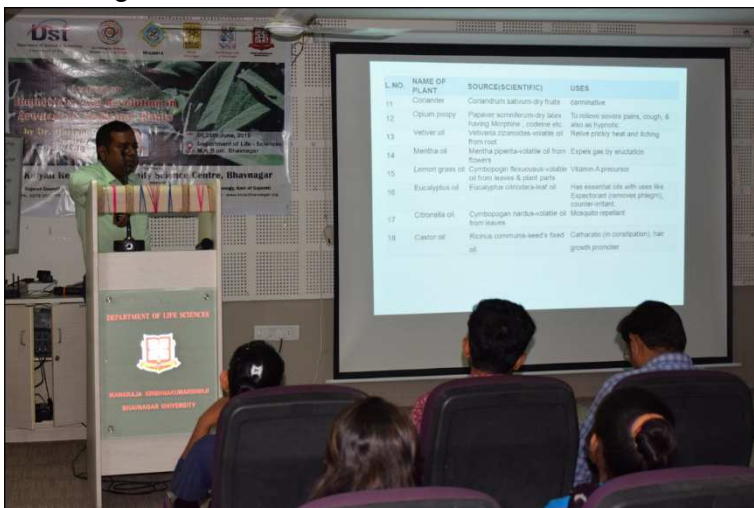
7. Shri G. S. Vyas (D.E.O., Bhavnagar)

He was Visited KRCSC and Discusses about 2019-20 Programmes



8. Dr. Hariom Gupta (Scientist, CSIR, Lucknow)

As Expert in Lecture on Medicinal Plants @ Department of life Sciences, M. K. B. Uni. Bhavnagar





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 B

- Write programme / activity details where CSC invited local elective members including MP/MLA as well as the local administrative departments including District Magistrate, District Development Officer, TDO, Health Officer, DEO, DIET etc. also attached selective photographs (1-2 page)

9. Dr. Girish Goswami (Director, Regional Science Museum, Bhavnagar)

He was Present in Annular Solar Eclipse Programme @ RSM, Bhavnagar



10. Dr. H. B. Mehta (Dean, Bhavnagar Medical College, Bhavnagar)

He was Present in Inauguration Ceremony on District Level National Science Seminar @ Medical College, Bhavnagar

11. Shri Nileshbhai Raval (Chairman, Municipal Corporation School Board, Bhavnagar)

He was Present in Inauguration Ceremony on District Level National Science Seminar @ Medical College, Bhavnagar





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual
Report
2019-20
Annexure

Annexure 7 B

- Write programme / activity details where CSC invited local elective members including MP/MLA as well as the local administrative departments including District Magistrate, District Development Officer, TDO, Health Officer, DEO, DIET etc. also attached selective photographs (1-2 page)

12. Dr. Pranav Shah (HOD, Homeopathic Dept., Swami Vivekanand Homeo. College, Bhavnagar)

As Expert in Lecture on Know CORONA, No CORONA @ Bhavsinhji Polytechnic Institute, Bhavnagar





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)



ગુજરાત સરકારના નીચેના મંત્રાલયોના સહયોગથી, ગાંધીનગર, (વિજ્ઞાન ભવનના નજીક) સ્થાપિત થયેલ છે.
કલ્યાણ પ્રાદેશિક લોક વિજ્ઞાન કેન્દ્ર
"Vigyan Bhavan" Plot No. Near Sanskar Mandir, Hill Drive, Bhavnagar - 364001 Gujarat
Phone No. 8278 252111, Mo. & WhatsApp No. 8866570111 Email: krcscbh@gmail.com Website: www.krcscbhavnagar.org



Kalyan Regional Community Science Centre
Bhavnagar
Supported by : Gujarat Council on Science & Technology, Gandhinagar
Department of Sci. & Technology, Govt. of Gujarat
Run by: Kalyan Foundation Trust, Bhavnagar

કલ્યાણ ફાઉન્ડેશન ટ્રસ્ટ - ભાવનગર સંચાલિત
ગુજરાત કાઉન્સિલ ઓન સાયન્સ & ટેકનોલોજી, ગાંધીનગર માંથી
કલ્યાણ પ્રાદેશિક લોક વિજ્ઞાન કેન્દ્ર
ભાવનગર
Website: www.krcscbhavnagar.org Ph: (8278) 2570110/111



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

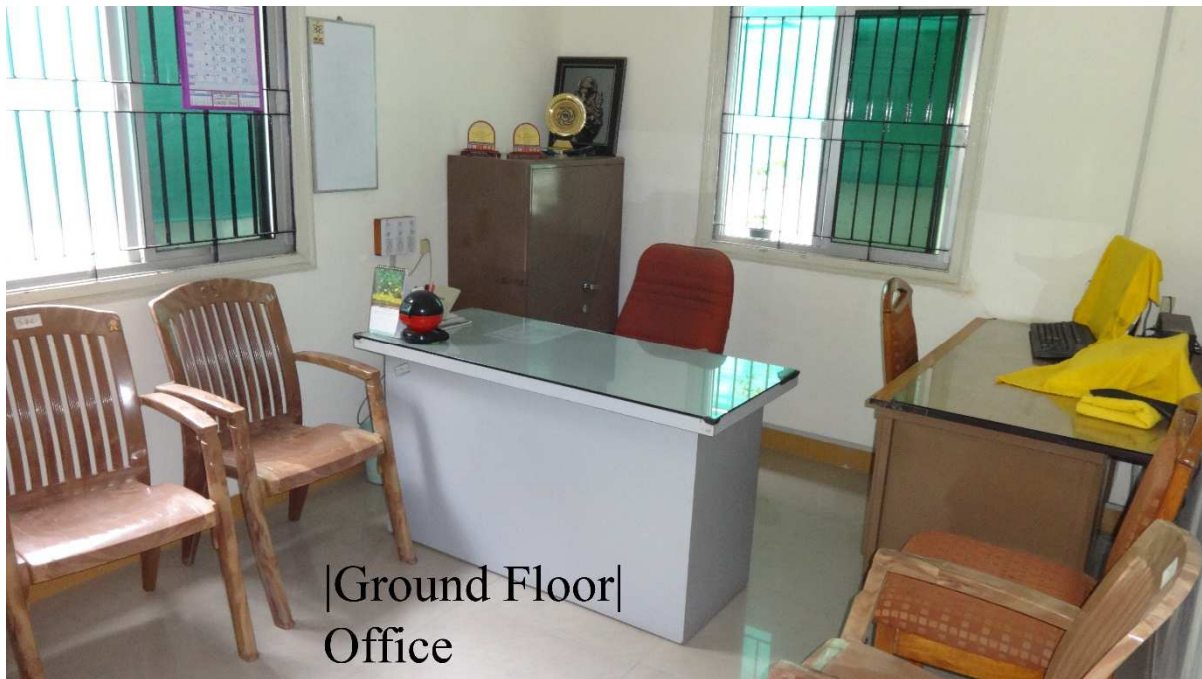


Annual
Report
2019-20
Annexure

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)



|Ground Floor|
Office



|Ground Floor|
Reception



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 C

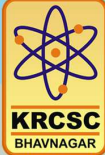
CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)



|Ground Floor|
Computer Room



|Ground Floor|
Multimedia Theater Side A



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)



[Ground Floor]
Multimedia Theater Side B



[Ground Floor]
librerry Side A



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



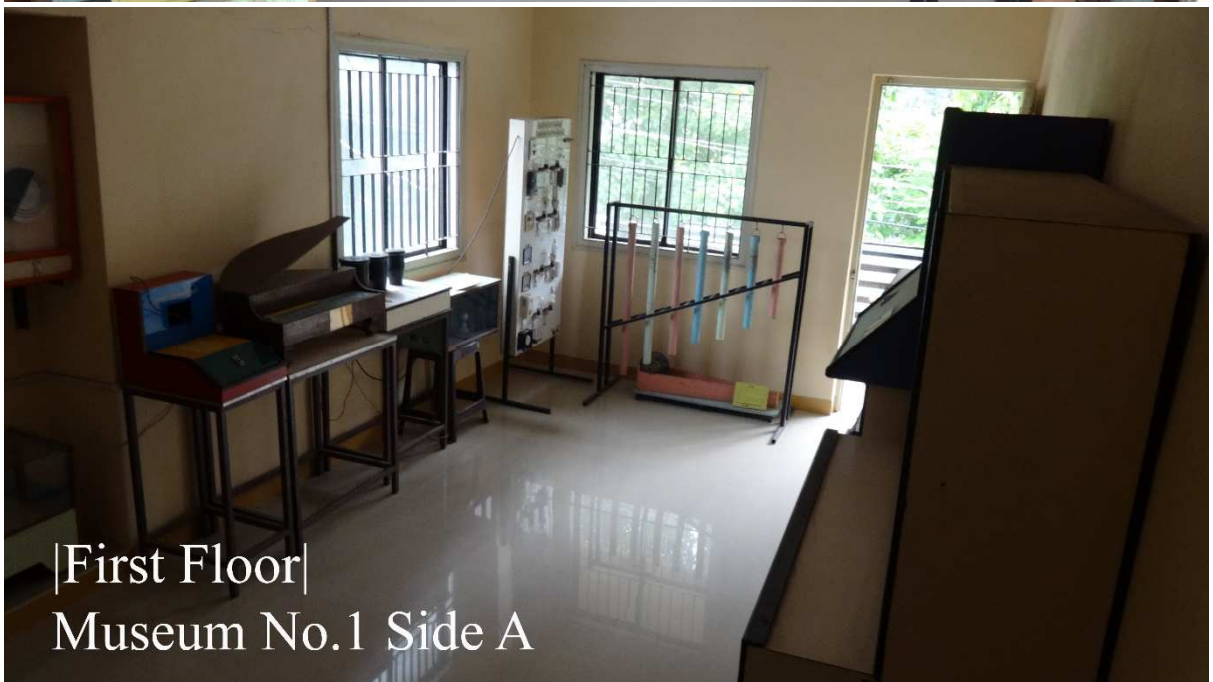
Annual
Report
2019-20
Annexure

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)



[First Floor]
Museum No.1 Side B



[First Floor]
Museum No.1 Side A



Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar
Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111



Annual Report
2019-20
Annexure

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)





Kalyan Regional Community Science Centre, Bhavnagar

Run by: Kalyan Foundation Trust, Bhavnagar

Supported by: Gujarat Council on Science & Technology, Gandhinagar
Department of Science and Technology, Govt. of Gujarat



Annual Report
2019-20
Annexure

follow us on [krcscbhavnagar](#) [f](#) [i](#) [t](#) [g+](#) [p](#) [v](#) [w](#) 88 66 570 111

Annexure 7 C

CSC building and lab / room wise photographs (Clear HD in jpg/jpeg)

|First Floor|
Laboratory Side B





Introduction:

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

Our team works on different science knowledge-based Programs which are described as follow.

Achievement of KRCSC

- State First Rank of Presentation @ Felicitation Programme for VIPNET Science Clubs Org. by Vigyan Prasar (Gol)
- 3 children Scientists got selected State to National level

Key Note Programme

- Model & Chart Exhibition Stall @ State Level Science Fair – 2019, Aadpur, Ta. Palitana
- Lecture on Importance and revolution in Aromatic & Medicinal plants by Dr. Hariom Gupta
- Chandrayaan 2 info by Mr. J.P.Joshi (Ex. scientist of ISRO at Ahmedabad)
- Celebration on 100th Birth anniversary of Dr. Vikram Sarabhai
- Eco friendly Ganesha Making workshop
- Annular solar eclipse @ RSM Bhavnagar
- Pregnancy for Super Child (Specially Programme for Woman)
- Happy Street
- 'KNOW CORONA, NO CORONA' – lecture on Protect yourself from corona

Training Programme organized by KRCSC (KRCSC as an Expert)

- Teacher's Training Programs
- NCSC Teachers Orientation Workshop BHAVNAGAR, BOTAD and MORBI

Training Programme Conducted to KRCSC (for Science Communicator)

- Creative Learning workshop for CSC Members and Coordinators: at IIT Gandhinagar

Programme for Women

- Scientific Awareness about Superstition & Food Adulteration.

Collaboration Programme

- Gujarat Energy Development Agency, Gandhinagar (Baal Urja Rakshak Dal)
- Day Celebration with Gujarat Pollution Control Board, RO Office, Bhavnagar

District / Sate Level Programme

- National Science Seminar (District Level)
- National Science Seminar (State Level)
- National Rural I.T. Quiz (District Level)



- National Rural I.T. Quiz (State Level)
- National Children Science Congress (Pre. District Level @ Bhavnagar)
- National Children Science Congress (District Level)
- National Science Drama Festival-2019 (District Level)
- State Level Science Drama Festival at Science City

Theme Based Programms @ School Level

- Learn Without Lab
- Sky Gazing by Telescope & Universe Info. By Slide Show
- Vigyan Safar (person who fond of science can visit @ CSC, which is known as Vigyan Safar)
- Community Based Programs
- Celebration of Various Scientific days
- Science & Mathematics Models Exhibition
- Explanation of Science rules on the Practical base in school
- Popular lecture series, workshops & Seminars
- Night Trekking Camp
- Night Sky Gazing at Seashore
- Cleaning Activities under Swachh Bharat Abhiyan
- Establishment of Science Club in Schools for Scientific Activities
- Science Communicator Training Program
- Subject wise Activities Through different Clubs run under KRCSC-Bhavnagar

Kalyan Regional Community Science Centre, Bhavnagar has conducted 245 Scientific Activities and Collaboration programs with GEDA named Bal Urja Rakshak Dal in 102 Schools. Total 306 programs like renewable energy conservation lecture, energy charts exhibition and energy quiz were performed with 12250+ beneficiaries. As listed above total 94050 beneficiaries were attended in 168 days during the year 2019-20.



Achievements

Felicitation Programme for VIPNET Science Clubs by Vigyan Prasar (Best Presentation of GUJARAT State)



The Kalyan Regional Community Science Centre, Bhavnagar Supported by Gujarat Council on Science and Technology, Department of Science and Technology, Government of Gujarat. Kalyan Regional Community Science Centre (KRCSC) works with a broad vision and aim of taking science to people and bringing people to science. Our mission is to create interest, enthusiasm and awareness in science including mathematics, by working for students, teachers and common public. We motivate students and teachers to inculcate and bring out creativity through informal and non-formal programs. Every opportunity is explored to interact with them to discuss matters and issues related to Science, Technology and our development. KRCSC is instrumental in aggregating all of these to bring the nation forward. Its mission is to create fundamental awareness about science and technology to nurture India's future schools and colleges Students. Biased on all these VIPNET held Felicitation programme for VIPNET science Clubs 2018-19 at Arpit Engineering College Rajkot. The Kalyan Regional Community Science Centre, Bhavnagar science Club has been awarded in platinum club 2016-17, in Gold club for 2017-18 and again awarded by platinum category. In Felicitation programme our coordinator awarded for first rank in poster presentation in whole Gujarat. That was a proud and Unforgettable moment for us.

With this achievement our center got more inspirations to go ahead and ahead and spread maximum knowledge for community in whole city, state and country. In this programme our coordinator Mr. Harshad Joshi received certificate from Commissioner Shri Javahar Navodaya Vidhyalaya, Govt. Of India and Deputy Commissioner Shri, Central School And also VIPNET coordinator and Scientist Mr. Arvind Ranade ji.

National Children Science Congress (State Level) (4 children Scientists got selected for National level)

Since last 26 years National Children Science Congress project is working in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handle this project in Gujarat. As a part of this Project, District level National Children Science Congress-2019 was organized by Kalyan Regional Community Science Centre Bhavnagar on 04th November 2018 at Vigyan Bhavan. State level National Children Science Congress-2018 was organized by GUJCOST on 2nd & 03rd December, 2018 at Gujarat Vidhyapith, Ahmedabad. There were 330 research projects presented by child scientist. There were 26 research projects selected for National level. In this competition Child scientists Fatema Meghani, Heer H. Gandhi, Krishi R. Dhandhukia, Andhariya Rudra P., Bhavdip D. Baraiya, Patel Yauvan, Raval Harsh N., Belani Viraj M., Kar Arpita M., Monapara Utsav Kanjibhai, and Rohan Joshi from Bhavnagar participated for state level. And Fatema Meghani, Kar Arpita and Bhavdip D. Baraiya got selected for National Level National Children Science Congress held at Thiruvananthapuram, Kerala.

27th National Children Science Congress (National Level) @ Thiruvananthapuram, Kerala



27th National Children Science Congress was hosted

by Kerala Government. This program was supported & catalyzed by National Council of Science & Technology Communication and Department of Science & Technology, Government of India. This event was scheduled on 27th to 31st December 2019 at Thiruvananthapuram, Kerala. In this program more than 750 child Scientist from all over India and Asian and Gulf Country presented their research work. Many other activities were also planned for students and teachers. 03 Child scientists from Bhavnagar district also participated in this National level programme and grab their place as winner. In further they got a chance to patent their projects and made us proud. There were 05 participants benefited by this program.

Key Note Programs

Lecture on Importance and revolution in Aromatic & Medicinal plants by Dr. Hariom Gupta:



Kalyan Regional Community Science Centre, Bhavnagar Organized a lecture on Importance and revolution in Aromatic & Medicinal plants by Dr. Gupta at Department of Life Science, M.K.B.University, Bhavnagar. On this Programme Lighting the lamp ceremony was carried out by Dr. Bharatsinh Gohil (H.O.D., Department of Life Science M. K. B. Uni.), CSMCRI ,Bhavnagar Scientist Dr. Vaibhav Kulshreshth, Dr. Mangalsinh Rathod, Dr. Arun Das And our Guest of owner Dr. Hariom Gupta (Scientist, CSIR-CIMAP, Lucknow). Dr. Hariom Gupta as expert explained about Aromatic & Medicinal Plants, Importance and uses of plants lie Alluvia,

Menthe, Osmium, vetiver and etc. and explained about India's first position in these Medicinal Plants. Expert had discussed the most important topic of Medicinal Plant's goodness by Nano technology, the way to earn money by these Medicinal Plants in minimum water or Low rainfall and how these Medicinal Plants can be used in our life and also in medicine. KRCSC also introduced a new club "Eco Biology Club of Bhavnagar" for community for research and work on wide area. There were 80 Students, Teacher and community were benefited by this programme.

Chandrayan 2 info by Mr. J.P.Joshi (Ex. scientist of ISRO at Ahmedabad):



Kalyan Regional Community Science Centre, Bhavnagar has been continuously working for people to develop scientific aptitude for society. Kalyan Regional Community Science Centre, Bhavnagar want to explore more information about ISRO's second Large mission Chandrayaan-2 Information to arranged a lecture by Mr. J.P. Joshi (Former Scientist, SAC-ISRO, Ahmadabad) at Sir P.P. Institute of Science, Bhavnagar at 12:00 pm to 1:45 pm. Lighting the lamp ceremony was carried out by Mr. J.P. Joshi, Mrs. Dipikaben (Pro. of Physics, Sir P.P. Institute of Sci.), Mr. Dodiya (Pro. of Physics, Sir P.P. Institute of Sci.) and Mr. Harshad Joshi (Coordinator, KRCSC, Bhavnagar). After the ceremony J.P. Joshi Explained about How ISRO worked day and night for this mission. Why they stopped to launch on 15th July, and in short time(7 days) how they solved Cryogenic fuel tank Problem. Then he explained that



mission was launched on a Geosynchronous Satellite Launch Vehicle Mark III (GSLV MK III) its named "Bahubali". He explained about Obiter's work, and also Lander "Vikram" and Rover" Pragyan". Everyone listened to them attentively. Some students asked them question related to this mission and ISRO and he replied satisfactorily. At the end of all questions and answers he suggested us how a person can join ISRO. And also explained them job experience with ISRO. And also, a job clarity with ISRO. There were more than 212 people were benefited by this programme.

Chandrayaan 2 launching and landing live streaming:

Kalyan Regional Community Science Centre, Bhavnagar has been continuously working to witness such a large mission by ISRO and to advance today's inquisitive young generation into the field of space science. ISRO Successfully completed the Chandrayaan-1 mission of India. After its success, On 22nd July, 2019 at 2:00 pm, the second mission of our country Chandrayaan-2 was launched from Sri Harikota by Bahubali (GSLV MK-III) rocket. To be witnessed this second Historical moment, Kalyan Regional Community Science Centre, Bhavnagar arranged live Streaming Programme of Chandrayaan-2 launching. In this Live streaming programme Active Primary school, Bhavnagar and Sant Kanvaram Sindhi primary school, Bhavnagar and also interested community people were participated. We proud of our county and ISRO. All were very excited to being a witness of this moment. There were 52 people benefited by this programme. After the successful launching, on 6th September, 2019 to be wetness this second Historical moment of landing, Kalyan Regional Community Science Centre, Bhavnagar arranged live Streaming Programme of Chandrayaan-2 landing at Vigyan Bhavan on 1:15 am. In this Live streaming programme community people were participated. We proud to our county and ISRO. All were very

excited to being a wetness of this moment. There were 15 people benefited by this programme.

Celebration on 100th Birth anniversary of Dr. Vikram Sarabhai:



Kalyan Regional Community Science Centre, Bhavnagar has been continuously working for people to develop scientific aptitude for society. Kalyan Regional Community Science Centre, Bhavnagar has celebrated 100th birth anniversary by three different competition at B.M. Commerce high school. Drawing competition evaluated by Mr. Ashok Patel (Drawing Artists), Ramesh sir and Mr. Shailesh Dabhi (Drawing Artists). Our essay evaluated by Dr. Nishant Nair and Ms. Vishakha Dave. The first was Assay Competition second was drawing competition and third was elocution competition on 'Dr. Vikram Sarabhai and ISRO's stride' In this programme in drawing competition every participated people divided in three age groups which 04 to 10 year, 11 to 17 year and 18 and 18 up. and other two competitions, there were two age groups of participants. This topic is unique for everyone so we found lots of new ideas and knowledge from people and we proved our motive to celebrate this programme. There were 199 people benefited by this programme.

Eco friendly Ganesha Making workshop:

It is that time of the year that heralds the beginning of festivities and first in the list is the celebration dedicated to The Lord Ganesh. Children enjoy the gaiety and interesting traditions that are a part of



the festival and look forward to the delicious sweets and savouries that are made during Ganesh puja at home. One of the main traditions followed in many Indian households is to bring a beautiful Ganesh idol at home during this festival. It has become a ritual to buy shiny and colourful Ganesh idols from the market, which use Plaster of Paris (PoP) and are painted with bright chemicals and synthetic dyes. PoP is non-biodegradable and contains gypsum with other heavy metals like arsenic, lead and mercury. When these idols are immersed in the water bodies, they decrease the oxygen content, killing the fish and other creatures. The lead in the paint used is also harmful for both humans and animals. Protecting nature from these all negativity on environment, Kalyan Regional Community Science Centre, Bhavnagar organized Eco friendly Ganesha making workshop at Vigyan Bhawan, Bhavnagar. In this workshop Our expert Mr. Jay Barad taught how to made ganesha by Clay. In this workshop all participants were above 10 years. They all actively participated and made their Ganesha beautifully by clay. And they also taught us how we can make a larger statue with less weight by using newspaper. There were 85 people benefited by this programme.

State Level Science Fair

@ Aadpur Model & Chart Exhibition:

Kalyan Regional Community Science Centre, Bhavnagar participated in a state level science fair at Aadpur Primary School, Ta. Palitana, Dist. Bhavnagar. from the date 1st to 4th of December 2019. This outstanding science fair was inaugurated



by education minister Shree Bhupendrasinh chudasama and other dignitaries. Lok Vigyan Kendra, Bhavnagar participated in this state level science fair to create awareness related to science and technology among people. To spread and increase the literacy level among the various society people, was the main aim of Kalyan Regional Community Science Centre, Bhavnagar. On behalf of KRCSC the leaders and the volunteers organised an exhibition on charts of Vikram Sarabhai's Birth Anniversary. Various models related to science & technology and in accordance of that the charts had been shown. The science fair has remained tremendously exciting and helpful in increasing knowledge amongst society. The charts showed the whole life span of ISRO, the detailed information on efforts of Vikram Sarabhai to build-up the base of ISRO and science awareness in India, and various satellites and the huge successive contribution of ISRO to make idea and hence the world proud.

Annular Solar eclipse @ RSM Bhavnagar

Kalyan Regional Community Science Centre supported Bhavnagar Astronomy Club(BAC) organized an annular solar eclipse watching program at regional science museum Bhavnagar and Takhteshwar temple. The rare event of annular solar eclipse was being seen from 08:04 to 11:18 am. From the beginning of program more than 1050 students from various standards and society people were so eager to watch the last eclipse of the year and saw a bright ring, or annulus surrounding the outline of the moon. The eclipse was being seen by



pin hole camera, telescope and solar filters. The whole event was being shown live on a huge LED screen and on social medial platform also. The viewer index of live event on KRCSC YouTube channel was 203. The chief guest of the whole event was Dr. Girish Goswami – the Director of regional science museum. People also said that it was an extraordinary experience to watch the rare eclipse after 10 years with proper guidance. With support of KRCSC, many schools of Bhavnagar city conducted this programme in their schools.

Happy Street:

The Kalyan Regional Community Science Centre, (KRCSC) Bhavnagar Support by Gujarat Council on Science and Technology (GUJCOST), working under the aegis of the Department of Science and Technology, Government of Gujarat. On Sunday 12 January 2020 the programme named fun street at Rupani Circle, Bhavnagar was organised by rotary club Bhavnagar in order to wake up and remind the lost games of childhood in our future generation. In order to enhance the scientific knowledge, skills and literacy, KRCSC works with a broad vision and aim of taking science to people and bringing people to science by putting a stall in happy street. The happy street begins at 06:00 early in the morning. All the society people, children, youngsters and aged people took part enthusiastically. The aim was to spread the knowledge of various science instruments, various science streams. To fulfil the aim a huge set up was created and the various clubs of KRCSC like Bhavnagar Astronomy Club (BAC), Eco



Biology Club Of Bhavnagar (EBCB), Creative Chemistry Club (CCC) took part in it. The instruments like Telescope, The model of Gagan yaan of ISRO (which is to be launched in 2022), periscope, magical chair, the system of leverage, various creatures and insects preserved in formalin solution glass bottle, various solar models like solar cooker, solar still, solar water heater ,charts etc. were arranged and demonstrated by club members and volunteers. The programme and our demonstration was highly successful that The Bhavnagar DY.S.P. Sir Shree Manish Thakar personally visited the KRCSC stall and watched rising sun by telescope hence he appreciated a lot. The society people also took huge interest to see the sun and other physics models and instruments. The main attraction of that programme was children. The children were given information and knowledge directly by our experts. At the end of the programme at 10:00 a.m. around 700 people visited KRCSC stall. We motivated students and local public to inculcate and showed them a way to bring out creativity through that programme.

“KNOW CORONA, NO CORONA” – lecture on Protect yourself from corona:

KRCSC organized a proud taking program named “BEAT CORONA (COVID-19)” for the college students in accordance to spread awareness on corona virus. The program was held at Sir Bhavsinhji Polytechnic Institute, Bhavnagar. In the beginning the students were advised with the basic protection and the aim “KNOW CORONA, NO CORONA”. After the

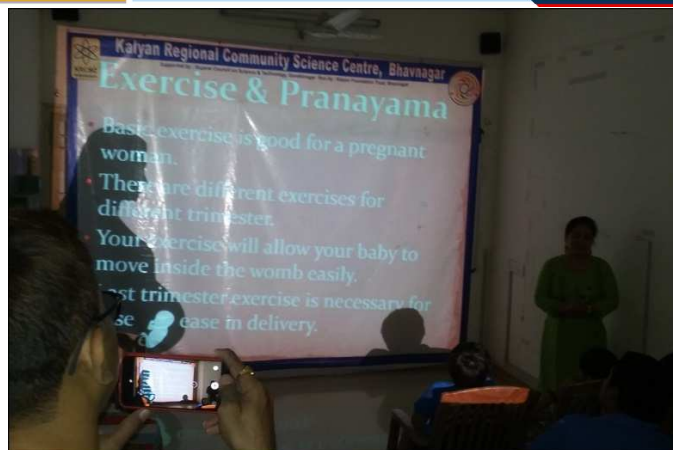


inauguration of the program, Dr. Pranav shah took the charge to make the students informed. He got all the mandatory and deep knowledge about corona virus. First of all, he explained that how corona virus revealed and got a crack to spread itself. Then after he showed that how high the intensity level of threat of corona virus is. Then he explained the symptoms of corona disease. He also strongly advised not to tolerate any of little illness and suggested to consult an expert doctor. Then after the college students learned to make hand sanitizer on their own at home by the guidance of Dr. Pranav shah with the aim of "PREVENTION IS PARAMOUNT". The expert also showed various types of masks and the different types of methods to wear the mask and make oneself protected from the contagious diseases i.e. corona, swine flu, Bird flu... In the end of that program our coordinator shared some thanks giving moments to the Dr. and all the dignitaries belonging to that program. KRCSC also put a QR code in the program from which the students got all the information related to corona virus by just simply scan the QR code. All the students took an oath to beat this dangerous virus and as well as the disease. We provided All India central helpline numbers for the public interest. Total 152 students were precautioned.

Women awareness program

Pregnancy for Super Child:

A seminar named "Pregnancy for Super Child" has been held at KRCSC, Bhavnagar. The aim of that seminar was to build up the memory and grasping



power of a child before birth and after birth. In this the experts suggested the most suitable circumstances for preparing a child as a super child. Mrs. Drashti bhatt who was expert in making child a super child explained through power presentation and such worth videos. Total 25 people take advantage of this helpful program. People really appreciate this seminar and accept the concept suggested by expert.

Collaboration Programme

With GEDA: Bal Urja Rakshak Dal Renewable Energy Awareness Programme

Kalyan Regional Community Science Centre, Bhavnagar (GUJCOST, DST, GoG) has worked with GEDA as a part of future making programs of children. The program was based on energy awareness. In this program, team KRCSC went to various schools to aware the students about the importance of energy and the way of conservation of energy. For last 2 months KRCSC team held various programmes like Energy Quiz, lecture on energy resources, chart & model exhibition under Awareness Generation Programmes on renewable Energy sources in 102 schools of Bhavnagar District. Total 12250 students were benefited. During these programme 5 best students got selected in quiz competition. These 5 selected students represented their school in district level Urja Utsav. On 26th February 2020. KRCSC organized District level Urja Utsav-2020 at Model School, Sidsar, Bhavnagar.

Energy Quiz Competition:



In the Era of today, energy crisis is emerging as a big problem for human being. So, we must have to conserve energy resources. For the age level of students, we tried to explain that non-renewable resources will be finished in nearby future and we only have an option to use renewable energy resources. Students can easily understand the importance of energy. Kalyan Regional Community Science Centre, Bhavnagar organized Awareness Generation Programs on Sustainable Energy under Bal Urja Rakshak Dal 2019-20 powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Program Kalyan Regional Community Science Centre, Bhavnagar held Renewable energy quiz competition in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. In this competition we have planned 3 rounds. Each round is tough enough to check intelligence level of all students. In final round we select only 5 students. These 5 students represent their schools in district level Urja Utsav. There were more than 3670 students and teachers benefited by 33 programs.

Lecture on Renewable Energy Resources

In the Era of today, energy crisis is emerging as a big problem for human being. So, we must have to conserve energy resources. For the age level of students, we tried to explain that non-renewable resources will be finished in nearby future and we only have an option to use renewable energy



resources. Students can easily understand the importance of energy. Kalyan Regional Community Science Centre, Bhavnagar organized Awareness Generation Programs on Sustainable Energy under Bal Urja Rakshak Dal 2019-20 powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Program Kalyan Regional Community Science Centre, Bhavnagar held Lecture on Renewable Resources in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. Our Expert explained the meaning of energy, types of energy Resources, importance of energy and how to prevent energy crisis. Expert also explained about renewable resources used nowadays like Solar cooker, Solar steel, Solar roof top, solar water heater and many more.

With GPCB : World Earth Day, Ozone Day, World Environment Day



KRCSC had done various collaborative programs with Gujarat Pollution Control Board (GPCB).

On world earth day to convey the Message “Protect Our Species”, KRCSC, Bhavnagar Organized a drawing competition with support of Gujarat Pollution Control Board, Bhavnagar and supported by Excel Crop Care Ltd., Bhavnagar at Dakhinamurti Vidhyarthibhavan, Bhavnagar on 22nd April 2019.

On 05th June 2019 to celebrate World Earth Day Kalyan Regional Community Science Centre with Gujarat Pollution Control Board Organized Drawing and Coloring Competition at Kala Kendra, Bhavnagar and Karkoliya primary school, Karkoliya, Shihor.

To celebrate World Ozone Day, on 16th of September 2019, on the theme ‘32 years and Healing’, Kalyan Regional Community Science Centre with Gujarat Pollution Control Board Organized Drawing and Coloring Competition at Kala Kendra, Bhavnagar and Shree Swaminarayan High School, Bhavnagar.

Annual Review Meeting

Gujarat Council on Science and Technology (GUJCOST), Gandhinagar organized an annual review meeting for the year 2019 and 2020 at Science City, Ahmedabad. In this meeting every CSC member has to present their annual work through PPT.

District & State Level Program:

National Science Seminar (District Level)



Every Year National Science Seminar (District level) is organized by Kalyan Regional Community Science Centre supported by Gujarat Council on Science & technology department (GUJCOST). This year KRCSC,

Bhavnagar organized District level National Science Seminar on 4th September, 2019 at Government Medical College, Bhavnagar on the theme of ‘Periodic Table of Chemical Elements: Impact on Human Welfare’. In Inauguration ceremony of this programme Shri Nileshbhai Raval (Chairman, Municipal School Board, Bhavnagar) Dr. H. B. Mehta (Dean Government Medical College, Bhavnagar) Dr. Hitesh Shah (Associate Professor, Sir P. P. College of Science, Bhavnagar) Dr. Bhargav Purohit (HOD, Department of Pharmacology, Govt. Medical College, Bhavnagar) Mr. Paresh Trivedi (President, Kalyan Foundation Trust, Bhavnagar) shared their views on “Periodic Table of Chemical Elements: Impact on Human Welfare”. In this competition Mr. Rambhiya Moksh, Std.10th (R. U. Rambhiya School, Songadh, Ta. Shihor, Dist. Bhavnagar), Miss Arti Mandli, Std. 8th (Model School, Manvad, Ta. Palitana, Dist. Bhavnagar), Mr. Yash Patel, Std. 9th (Gyanmanjari English School, Bhavnagar) got First,



Second & Third rank respectively. First & Second Ranker went to participate in State level Competition held at Science City, Gandhinagar to represented Bhavnagar District in state level competition. There were 71 Primary & Secondary School students and teachers participated in this competition. Every Participant got certificate. 71 Students with 71 Teachers and 30 others as total 152 were present in this district level competition.

As Expert at K.K. Blind School: city level science fair

Kalyan regional community science centre, Bhavnagar (GUJCOST, DsT, GoG) stood at the

position of judge in city level science fair organised for blind and disable students at K.K.Blind school, Bhavnagar. KRCSC coordinator Mr. Harshad Joshi examined all the projects and models made by blind and disable students on their own. He gave a transparent result.

National Science Seminar (State Level)

State level Science Seminar organized by GUJCOST at Science City, Ahmadabad on 23rd September 2018. District winner Mr. Rambhiya Moksh, Std.10th (R. U. Rambhiya School, Songadh, Ta. Shihor, Dist. Bhavnagar), Miss Arti Mandli, Std. 8th (Model School, Manvad, Ta. Palitana, Dist. Bhavnagar), Mr. Yash Patel, Std. 9th (Gyanmanjari English School, Bhavnagar) participated in state level competition. All students explained on their topic nicely and also gave a deep knowledge brief in this program. From whole Gujarat 60 students were participated. 05 Students and Teachers were present in this district level competition from Bhavnagar district.

National Rural I.T. Quiz (District Level)



The Program has helped enhancing 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 to 12. Tata Consultancy Services Ltd. organizes National Level Rural I.T Quiz at Bangalore. As 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 4th of September, 2019 at Government Medical College, Bhavnagar. In this program Lighting Ceremony was Carried out by Shri Nileshbhai Raval (Chairman, Municipal School Board, Bhavnagar) Dr. H. B. Mehta (Dean Government Medical College, Bhavnagar) Dr. Hitesh Shah (Associate Professor, Sir P. P. College of Science, Bhavnagar) Dr. Bhargav Purohit (HOD, Department of Pharmacology, Govt. Medical College, Bhavnagar) Mr. Paresh Trivedi (President, Kalyan Foundation Trust, Bhavnagar). This I.T Quiz was of 2 different rounds. First one was elimination. In this round 69 teams have to give answers of 40 questions. In this round best 27 teams selected out of 69 teams. Second and final round was Audio-Visual round in which students have to give answer of question asked by quiz master on the screen. There was a tough Competition among the students and after completion of 2nd session we have got best 10 teams out of 27 teams. This teams have to be participated in State level Competition. From



entire Bhavnagar District, 69 teams from Rural Primary & Secondary Schools Participated in this competition. Total 210 students, Teachers and other participated in this quiz competition.

National Rural I.T. Quiz (State Level)

State level National Rural I.T Quiz organized by GUJCOST. Best 10 winning teams from Bhavnagar district participated in State level Competition held at Town hall, Gandhinagar on 17th September, 2019. From whole Gujarat 320 teams were participated. Mr. Narottam Sahoo (Adviser & secretary, GUJCOST,

Gandhinagar & Science City, Ahmedabad) were present to motivate the students. Total 32 students, Teachers and other were participated in this quiz competition.

National Children Science Congress (District level)



Since last 26 years National Children Science Congress project is being worked in India under Department of Science and Technology Govt. of India. Gujarat Council on Science and Technology handles this project in Gujarat. As a part of this project, National Children Science Congress-2019 was organized by Kalyan Regional Community Science Centre, Bhavnagar on 20th November, 2019 at "Vigyan Bhavan" Bhavnagar. Lighting the Lamp ceremony was carried out by Dr. Hitesh Shah (Associate Prof. Sir P.P Science College, Bhavnagar),



Shri Bhaveshbhai Vyas (District Academic Coordinator NCSC), Ms. Nirali Maheta (Asst. Pro. Department of Life Sciences), Mr. Jignesh Kanijiya (Asst. Pro. Department of Life Sciences), Mr. Sailesh Dabhi (Lab Asst. HCG Hospital, Bvn.), Mr. Sailesh Dihora (Asst. Pro. MRT & MSV Science College, Bvn.)

and Mr. Harshad Joshi (Coordinator KRCSC) was present to encourage the students. There were 32 Upper primaries and Secondary School students presented their research work prepared by a team of 2 members by selecting various subthemes under focal theme "Science, Technology & innovation for Clean, Green and Healthy Nation" of NCSC. 10 projects were being represented from Bhavnagar district in State level NCSC-2019.

National Science Drama Festival-2019 (District level)



To create awareness about varied subjects among a community, National Council on Science museum, Mumbai and Nehru Science Centre organizes National Science Drama Festival every year. GUJCOST coordinates and organizes the National Science Drama in Gujarat. Kalyan Regional Community Science Centre (KRCSC) supported by Gujarat Council on Science & technology (GUJCOST) department Organized a Science Drama Festival-2019 on 17th November, 2019 at D.J. Mehta High School Bhavnagar. The Theme of the Drama was SCIENCE FOR SOCIETY. There were four sub themes 1. Digital India 2. Cleanness, health & hygiene 3. Green & clean energy 4. Environment Conservation. Lighting Ceremony of this program was carried out by Mr. Subhasbhai Joshi (Rtd. Employee SBI, Bhavnagar), Mr. Satishbhai Makwana (Teacher, D.J. Mehta High School Bhavnagar), M. K. Ghevariya (Principal, A.V. School) and Mr. Harshadbhai Joshi (Coordinator- KRCSC). Students came from various schools and enjoyed this festival. There were 150 people including 120 students from



various school Students & teachers of Bhavnagar district benefited by this program. M.S. Lakhani Kanya Vidhyalay Secured first rank in this competition.

State Level Science Drama Festival at Science City

Every year CSC from all Districts organizes district level National Science Drama festival. 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. In this competition Drama which represent current situation by their casting & convey a good message through it. GUJCOST organized State Level National Science Drama festival at Bharad Vishvidhyalaya, Tramba, Rajkot. Held on 23rd & 24th November, 2019. In this competition district winner from all districts were put in this connotation. State winner team has participated in zonal level competition held at Mumbai. In this State level competition M.S. Lakhani Kanya Shala, Bhavnagar had Represented Bhavnagar District in State Level Festival.

Bhavnagar District Level Urja Utsav-2019 :



Kalyan Regional Community Science Centre thinks for the brighter future of children. Hence, we went from school to school and advised all the children the way of conserving electricity. We encouraged the children by setting up a programme named BURD-2020. Bal Urja Rakshak Dal-2020 programme sponsored by Climate Change Department (GOG), Gujarat Energy

Development Agency (GEDA), Gandhinagar. The aim behind this programme was to provide practical knowledge to the students that how to save environment from the pollution by using non-renewable energy resources. For last 2 months KRCSC team held various programmes like Energy Quiz, lecture on energy resources, chart & model exhibition under Awareness Generation Programmes on renewable Energy sources in 102 schools of Bhavnagar District. During this program, 5 best students got selected in quiz competition. These 5 selected students represented their school in district level Urja Utsav. On 26th February 2020. KRCSC organized District level Urja Utsav-2020 at Model School, Sidsar, Bhavnagar. KRCSC planned various activities for all School Students. In inauguration ceremony of this Programme Mr. Hiren Bhatt (Principal, DIET Bhavan, Sidsar), Kalpeshbhai Pandya(BRC, Bhavnagar), Manishbhai Vinzuda (Science teacher, P.M.Sarvoday School, Umralla), Devvratbhai Joshi(maths teacher, Model School, Talgajarda), Vipulbhai Pandya(Science teacher, Jagdishvaranand primary school, Nari) were present to motivate the Students. In this Programme there were 5 Competition held for students Like Slogan and Drawing Competition, Model & Chart Exhibition, Quick Elocution Competition, Energy Quiz Competition. 1st, 2nd & 3rd Winner got Rs. 500/-, 350/- and 200/- cash prize respectively and every participant got certificate in these competitions. In all Competition Shri Ganesh Shala, Timana Ta: Talaja achieved Best School of the Programme. There were more than 321 students and teacher participated in this programme.

Teacher, Student and Science Communicator, Workshop

Creative Learning workshop for CSC Members and Coordinators: at IIT Gandhinagar

Indian Institute of Technology, Gandhinagar is a public engineering institution of Gujarat. This institute arranged a 5-day workshop for all CSC



Members and Coordinators from all Districts of Gujarat. In this workshop we learned some interesting activities based on Mathematics and Physics. We prepared mathematics and physics Models, puzzles, and also learned programming by Physical Computing Using Pictoblox, Home Automation light control using voice commands. Then we got more information about robotics, etc. At the end of this workshop we got certificates and also got a material for making their activities at our Centre. In this workshop there were 45 CSC, Coordinators and Teachers benefited by this workshop.

Vacation Workshop for Tarun Vikas Shibir at Excel Crop Care Ltd. :



Summer camp is a supervised program for children or teenagers conducted during the months of summer. Someone's personality can be shaped best if it is to be shaped when a person is young & summer time is perfect for it. Summer time means skill & personality development time with learn some new experience and increase your

knowledge. With this aim every year Excel Crop care Ltd. organizes Tarun Vikas Shibir. There were various topics in this workshop. Regarding to Science & Technology Subject Kalyan Regional Community Science Centre, Bhavnagar invited students to be a part of this shibir for 1 month from April 15th to April 20th, 2019 another on 22nd to 27th April, 2020 and 29th April to 4th may 2020. In this shibir every week we taught different topics to each group. In this workshop different topics like Fun with Science, Science behind Superstition, Maths Model Making, Our Surrounding Nature etc. were explained. During this shibir all experts gave grades to each student, and at last there were 2 best Shibirarathi got selected from all. Total 46 students participated in this workshop.

Vacation workshop @ M.S.B. 59 Bhavnagar



Exams were over and Summer vacation has begun during this workshop. Summer vacation means a time to learn the methods and skills to do something new. Keeping this motive in view, KRCSC organized 3 days Summer workshop in M.S.B. 59 on 25th to 27th April, 2019. Another vacation workshop was organized at Tejaswi Primary School, from 29th April, 2019 TO 1st may, 2019 and the last one at Talgajarda Model School from 07th June, 2019 TO 09th June, 2019. On the 1st day our expert Mr. Harshad Joshi explained the mechanism of a Rocket to students. Further to this, he also guided them how to build a model rocket from the sheet of paper. On the 2nd day Ms. Devyani Joshi did Fun and Learn activity with the students to help them understand the concepts of

Science through fun experiments and activities. On the 3rd and the last day of the workshop, the participants were given understanding of Mathematics through the Ramanujan Magic square Model. There were 226 students were participated in this workshop.

Teacher Orientation Workshop at Bhavnagar:



The Kalyan Regional Community Science Centre (KRCSC) works with a broad vision and aim of taking science to people and bringing people to science. Our mission is to create interest, enthusiasm and awareness in science including mathematics, by working for students, teachers and common public. We motivate students and teachers to inculcate and bring out creativity through informal and non-formal programs. Every opportunity is explored to interact with them to discuss matters and issues related to Science, Technology and our development. The Kalyan Regional Community Science Centre (KRCSC) is connected with all Schools of Bhavnagar District and Taluka. Today, Mr. N.G. Vyas (D.E.O., Bhavnagar), Mr. Pareshbhai Trivedi (President, Kalyan Foundation Trust, Bhavnagar) and 10 school principal or science Teacher Visited @ Lok Vigyan Kendra, Bhavnagar (KRCSCBHAVNAGAR) and discussed about the last year's activities. They were guided for future programs and strategy. There were 20 people participated in this meeting.

Teacher Orientation Workshop for NCSC (District level) @ Morbi:

Since last 26 years National Children Science Congress project is working in India under

Department of science and technology Govt. of India. Gujarat Council on Science and Technology



handles this project in Gujarat. Focal theme and Sub theme are changed every two year. This year the theme of NCSC was "SCIENCE, TECHNOLOGY & INNOVATION FOR A CLEAN , GREEN & HEALTHY NATION". To Explain About New Theme and Sub Theme, Arya Bhatt Lok Vigyan Kendra, Morbi organized a Teacher Orientation Workshop on 30th July 2019 at Morbi. Our Coordinator Mr. Harshad Joshi has given guidance on the sub theme of Subject as expert. He explained how guide teacher can be prepared step by step for their NCSC projects made by their students, History of NCSC, theme and sub theme, students how to work on this project and how to register their school on NCSC Web portal and also discussed on theme and sharp point about NCSC project and also share his ideas related to every theme. There were 100 teachers benefited by this program.

Teacher Orientation Workshop on NCSC @ Life Science Department, MKB University, Bhavnagar.

Since last 26 years National Children Science Congress project worked in India under Department of science and technology Govt. of India. Gujarat Council on Science and Technology handles this project in Gujarat. Focal theme and Sub theme are changed every two year. This year the theme of NCSC is "SCIENCE, TECHNOLOGY & INNOVATION FOR A CLEAN, GREEN & HEALTHY NATION". To Explain About New Theme and Sub Theme, Kalyan Regional Community Science Centre Bhavnagar



organized a Teacher Orientation Workshop on 3rd August, 2019 at Department of Life Science, M. K. B. Uni. Bhavnagar and another one at DIET Bhavan, Bhavnagar. In this program our Expert Mr. Bhavesh Vyas (District Academic Coordinator- NCSC) explained history of NCSC, theme and sub theme, guidelines for students how to work on this project and how to register their school on NCSC Web portal. Our Coordinator Mr. Harshad Joshi has given guidance on the sub theme of Subject. Dr. Hitesh Shah (Asso. Pro., SIR P.P. Institute of science) our evaluator discussed on theme and sharp point of



NCSC project and also shared their idea related to every theme. After lunch break Dr. Bharatsinh Gohil (H.O.D., Department of Life Science M. K. B. Uni.) explained about eco system and eco system service and also gave practical knowledge regarding to plants and their uses for society. More than 140 teachers from district participated in this program.

Penhall Camera Making Workshop

Another proud taking programme on solar eclipse has been held by Kalyan Regional Community



Science Centre, Bhavnagar. The programme was held at Gyanmanjari high school, Mahuva to spread awareness related to solar eclipse. In that programme our expert took a lecture on how to see solar eclipse using filter instruments. Expert made students learn to build pin hole camera to see solar eclipse in a safe and secure way. The another aim of programme was to connect the science with spiritual facts. The students showed very keen interest in model making of pin hole camera. There were 350 students benefited by this program.

Theme Based School Level Program

Fire Safety Awareness Program:



We are living in the wireless communication era but still we are using conventional wires and facing many types of injurious gases and explosions in our daily life. We have fire extinguisher at our home as well as our working place. But when any fire accident occurs, we are unable to use the fire extinguisher properly. To create awareness about fire, extinguish devices, Kalyan Regional Community Science Centre,

Bhavnagar organized Fire Safety Awareness Program in various primary, secondary and higher secondary schools of Bhavnagar district. In this program our science communicator explained about types of fire, types of fire tank, the precautions to be taken during fire accidents. More than 717 students were benefited by this program.

First Aid Awareness Programme:



In recent decades, everyone wants to be a part of race to become millionaire. Due to this race a person forgets to care about his life. However, someone met with an accident or any calamity. During this calamity or accidents if the person knows how to treat an injured person then it may help him/her to save their life. With this motive Kalyan Regional Community Science Centre, Bhavnagar initiated a program named First Aid awareness program. In this program our expert Mr. Yashpal Vyas explained about various doctor knot, how to Bandage, how to make Stretcher during emergency, Use of basic medicine etc. More than 1650 students were benefited by this program.

Our Surrounding Nature Programme:

In this age of environmental concern individuals are outwardly interested in the healthy state of their surroundings. As population increase and we become more connected with our environment and each other through global communication, commerce and transportation, that interest also increases. Our desire for a clean environment represents a powerful sense of destiny and hope for



the future. The environment provides many benefits. It heals us and helps us stay healthy. While medicines are derived from the elements of the environment and living organisms, sometimes simply being exposed to sunlight and fresh, clean air makes a difference in how we feel. Nature includes trees, birds, land and many more. Science and technology are the products of observing, studying and using the physical, chemical and biological world around us. Students learn the usefulness of our nature. Kalyan Regional Community Science Centre, Bhavnagar organized 03 programs related to our surrounding nature in primary, secondary and higher secondary schools of Bhavnagar district. In these programs our expert explained how to identify trees in our surrounding and it's uses in Ayurveda. He further explained about birds and their identification. KRCSC, Bhavnagar conducted several programs to get nearby the nature. More than 290 students were benefited by these programs.

Vigyan Safar



Vigyan Safar means to went and observe a place

loaded with scientific temperament where visitors can learn basic rules of science and mathematics with different type of science models. By having a Vigyan Safar at KRCSC, the Students can play with different type of science stuffs like sensor models, basic science working models in physics hall. In biology lab various types of biological specimen, aquatic creatures and various types of insects are there. Scientific games related to mathematics puzzles etc. are at upper museum in KRCSC. All school, college students and community people are allowed to visit KRCSC. The motive of Vigyan Safar is to build a logical thinking and develop scientific temper in Society. KRCSC, Bhavnagar conducted 03 programs of Vigyan Safar with More than 167 students benefited.

Learn Without Lab



Science is a wonderful thing if one does not have to earn one's living at it. One should earn one's living by work of which one is sure one is capable. Only when we do not have to be accountable to anybody can we find joy in scientific endeavor. The first step should be taken as to teach boys and girls the habit of observation, so it would become an educative influence on their mind. This can be done using easy and natural study of science using different material objects which they are having around them. Learning is the process of acquiring new or modifying existing knowledge, behaviors, skills, values, or preferences. For science practicals it is compulsory to use a laboratory. Due to some reasons students are not able to visit a laboratory.

So, students can know about laboratory and lab instruments and to teach easy and realistic science, Kalyan Regional Community Science Centre, Bhavnagar organized a Learn Without Lab Program in different primary, Secondary and higher secondary schools of Bhavnagar district. In this program our expert explained about various kinds of practices which should be done at laboratory and rules for those practices. We show different practical used in daily life and also included in their study syllabus. In this way we explained different science rules like Balance, Air pressure, Water pressure, Newton's Law, Ramanujan Effect and Einstein Law etc. KRCSC, Bhavnagar conducted 02 programs. There were more than 220 students benefited by this program.

Science Behind Superstition programme:



Although there is no single definition of superstition, it generally means a belief in supernatural forces – such as fate – the desire to influence unpredictable factors and a need to resolve uncertainty. In this way then individual beliefs and experiences drive superstitions, which explains why they are generally irrational and often defy current season behind old rules of our culture. KRCSC, Bhavnagar conducted 09 programs. More than 1770 were benefited by this program.

Food Adulteration Program:

Among man's everyday needs, food plays a major sustaining role. From the simple dish to the most elaborate haute cuisine, food preparation is as varied and rich as man's taste. The lure of riches and



general apathy towards mankind has led to adulterants being added to food from the simple stones in rice to the more harmful brick and boric powder. Adulteration is a legal term meaning that a food product fails to meet the legal standards. One form of adulteration is an addition of another substance to a food item in order to increase the quantity of the food item in raw form or prepared form, which may result in the loss of actual quality of food item. The products are marketed in a tricky manner, which is usually cheating the customers. However, FSSAI has made strong laws against adulteration; it's still not stopping the small vendors and businessmen to cheat customers. To create awareness about how to find that we have adulterated food or not, Kalyan Regional Community Science Centre, Bhavnagar organized food adulteration Awareness Programs in Various Schools of Bhavnagar District. In this programme we explained what is it meant by adulterants?, how can we find adulteration in our food item by using household chemicals & other materials and how adulterants effect on human body. KRCSC, Bhavnagar conducted 05 programs. More than 1980 students were benefited by these programs

Magic of Chemical Programme:

We think chemical means a scientist do various experiments with beaker, flask and many more lab equipment in laboratory. Nowadays chemicals are a part of our daily life though there are injurious to our health. For the students to learn about these



Chemicals and identify their uses in our life, Kalyan Regional Community Science Centre, Bhavnagar organized 5 programs of magic of chemicals in primary, secondary and higher secondary schools of Bhavnagar district. In this program our expert explained about various chemicals in lab as well as in daily life of the students. Expert had demonstrated basic experiments with domestic level chemicals as well as laboratory chemicals and also explained scientific names and regular names of those chemicals. KRCSC Bhavnagar conducted 06 programs of Magic of Chemicals. More than 1140 students were benefited by these programs .

Birds Introduction:

Birds are a unique group of animals with an incredible ability to fly. They are unique from all other animals because they have wings and feathers. The vast majority of bird species have the ability to fly, a skill made possible through the evolution of wings, feathers and a number of other adaptations. A number of birds however, such as penguins and ostriches, have lost the ability to fly due to evolving in an environment where flying wasn't necessary. Their colour, behaviour and diversity are spectacular and it is difficult to find a more impressive sight than a bird gliding effortlessly on the wind. KRCSC organized a bird's introduction programme for school and college level students. In this programme our expert explained about different species of birds, explain about their looks, and also explained about their life. There were 1050 students benefited by this programme.

Universe Info by Slide Show:



Earth- As we know it is an incredibly complex and fragile network of interconnected systems that have developed slowly over the last 4.5 billion years or so. From the ashes of the Big Bang this planet emerged as a mass of energy and elements. From that newly born mass of energy and elements evolved structured, dynamic systems of solids, liquids, and gases. The evolution of this planet continued to unfold over billions of years in such a unique way that eventually conditions arose with the ability to foster life. The Universe is all of space and time and their contents, including planets, stars, galaxies, and all other forms of matter and energy. While the spatial size of the entire Universe is unknown, it is possible to measure the size of the observable universe, which is currently estimated to be 93 billion light years in diameter. In various multiversity hypotheses, a universe is one of many causally disconnected constituent parts of a larger multiversity, which itself comprises all of space and time and its contents. Universe is the name that we use to describe the collection of all the things that exist in space. It is made of many millions of millions of stars and planets and enormous clouds of gas separated by a gigantic empty space which is called the universe. We could never be satisfied though we learn more and more about universe. To satisfy students curiosity regarding to the universe, Kalyan Regional Community Science Centre, Bhavnagar held

universe info by slide show program for primary, secondary, Higher Secondary, College students. In this Program our expert Mr. Harshad Joshi explained Difference between sky and universe, achievements of Indian Space agency ISRO, Orbit of Earth, Various Launching vehicles and satellites, future plans of ISRO and NASA, Mars Orbit Mission (MOM), Indian Space Scientist and information about various planets, Satellites, interstellar space and objects, life and death of a star etc. KRCSC, Bhavnagar conducted 03 programs. More than 310 students were benefited by these programs.

Night Sky gazing by Telescope Program:



We know the Father of Nation Gandhiji but we don't know that he has keen interest in astronomy. To create awareness among people about astronomy Cultural, department of India organizes Babu Khagol Mela every year to celebrate birth anniversary of Gandhiji. In 1923 Gandhiji visited Jain ashram at Songadh, Shihor. During this visit, he established himself as an idol of Bharat Mata in Jain Ashram. As a part of this program Astronomy club of Bhavnagar under Kalyan Regional Community Science Centre, Bhavnagar organized a Sky Gazing program by telescope at different places of Bhavnagar and at M.J.C.K.R. Campus, Songadh. In these programs our expert explained and showed phase of moon, various planets nearby earth. Kalyan Regional Community Science Centre, Bhavnagar organized various types of Sky Gazing program by telescope at Takhteshwar Temple, Bhavnagar throughout the year. In this program our expert Mr. Harshad Joshi



gave tribute to Mr. Subhashbhai Mehta and showed phase of moon of Sharad Purnima with an oath to celebrate every full moon as 'subhash poornima'. He further explained scientific reason of eating "Dudh Poha" and also explained about constellation and discussed about some secret about galaxy. Astronomy club organized a sky gazing program by Telescope and showed a super moon and Mars planet at Velavadar National Park and also explained about constellation and discussed about some secrets of galaxy. Astronomy club also organized a sky gazing program by Telescope and showed moon, Mars, Jupiter and Saturn planets with their satellites during Night Trekking and Sky Gazing program at Koliyak, Bhavnagar for scout guide students. In this program our expert gave information about various Constellation & explained relation between astrology & astronomy. We also showed Venus by telescope. Super moon happens when a full moon approximately coincides with the moon's perigee, or a point in its orbit at which it is closest to Earth. Our expert also arranged a lecture on current activity related to sky. Like Black hole, Solar eclipse, lunar eclipse etc. On 19th April, 2019 our expert explained about what is black hole, and how we succeed to take a picture of black hole and more information about black hole. KRCSC, Bhavnagar conducted 15 programs. There were more than 4427 people benefited by these programs.

Science and Mathematics Model & Chart Exhibition

Kalyan Regional Community Science Centre exhibited Maths-Science and space Model



exhibition and also Chart exhibition in different types of programs during the year. First our City level Science fair at MSB School no.53, Bhavnagar. In maths Science model exhibition students were shown different models like sensor related models, models explaining different scientific rules, Solar models, mathematics models and different maths puzzles, space related models, space satellite, telescope etc. we held energy chart exhibition in different schools and also at KRCSC, Bhavnagar. In the Era of today, energy crisis is emerging as a big problem for human being. So, it is must for us to conserve energy resources. For the age level of students, we tried to explain that non-renewable resources will be finished in nearby future and we only have an option to use renewable energy resources. To make Students understand the importance of energy, Kalyan Regional Community Science Centre, Bhavnagar organized Awareness Generation Programs on Sustainable Energy under Bal Urja Rakshak Dal 2019-20 powered by Climate Change Department, Government of Gujarat and Gujarat Energy Development Agency, Gandhinagar. Under this Program Kalyan Regional Community Science Centre, Bhavnagar held Renewable Energy Resource Chart Exhibition in various Upper Primary, Secondary and Higher Secondary schools of Bhavnagar. In this Chart exhibition students saw various charts of biogas plant, Solar pump, solar drier, windmill etc. KRCSC, Bhavnagar conducted 36 programs. There were more than 4900 students &

Teacher visited this model exhibition and get benefited by these programs.

Scientific Movie show @ KRCSC, Bhavnagar



In this program we have used to show scientific movies to primary school students and also make them visited KRCSC. In this program students are allowed to visit our Science Centre where they can see different science models, solar energy models, electric saving models, sensor related models etc. In laboratory students can see specimen of different creatures, specimen of insects and also do some experiments by themselves. We carried out a program 'Vigyan Safar'. More than 160 students visited KRCSC by 5 programs.

Sunday Funday:



Kalyan Regional Community Science Centre, Bhavnagar works to connect community people with science and give a positive thought on wide area of education. KRCSC, Bhavnagar started a New programme 'Sunday Science School' for 5th to 9th standard students. Every Sunday 9 am to 11 am different activity has been held by KRCSC,

Bhavnagar. On first Sunday we conducted different types of science experiment at our Centre. On second Sunday our expert taught mathematics topic with unique way, play and learn Mathematics. On third Sunday we played scientific and mind game. All students and Parents are feeling Positive effects by this programme. There were 27 students were benefited by this programme every Sunday.

Event Programs

Lecture on Dramatic Performances of Celestial bodies - Eclipses:



The universe contains everything that exists including the Earth, planets, stars, space, and galaxies. This includes all matter, energy, and even time. To get more deep knowledge KRCSC arranged a lecture on Dramatic Performances of Celestial bodies – Eclipses. In this lecture our expert Explain that One of the most dramatic performances of celestial bodies is termed as solar eclipse. Solar Eclipse is observed to happen when Sun, Moon and Earth gets aligned on the single plane and moon moves between Sun and Earth. This movement leads to full or partial covering of sun, the closest start to the Earth. And also explained about transits of mercury and Venus. In this programme there were 20 members participated.

Partial Lunar Eclipse Gazing Programme by Telescope at Takhteshwar Temple

KRCSC organized a moon eclipse watching programme at Vigyan Bhavan, Lok Vigyan Kendra Bhavnagar. The type of the eclipse was "Partial Lunar



Eclipse". Surprisingly it was the first moon eclipse of the year and also the first eclipse of the year 2020. The time to watch the eclipse was about 22:30 to 02:42 midnight of next day. This eclipse was seen by society people. The partial moon eclipse was shown by Subhash (12 inch) telescope, Newtonian telescope and binoculars. Total 40 people arrived at the place to watch this first astronomical event of the year 2020. The live telecast on YouTube was also been broadcasted. Another high-power lens camera was also used to capture that moon eclipse. The cold shadows of moon eclipse were being feeling by the public in that cold season.

Jupiter Gazing Programme @ Takhteshwar Temple

To take opportunity to know the Night Sky and observe some of the deep sky objects like Planets, Nebulas, Galaxies, Globular Cluster, Open Clusters, Double Stars and off course our Milky Way Galaxy etc. no prior knowledge of astronomy is necessary to watch them. Night Sky Orientation was provided during the Event. Jupiter and Mars are very interesting Planets for gazing by telescope. Kalyan Regional Community Science Centre, Bhavnagar, Astronomy Club organized Jupiter and Mars gazing programme at Takhteshwar temple, Bhavnagar. Astronomy Club arranged a biggest Telescope 'SUBHASH-12'. Our expert Mr. Harshad Joshi explained about moons of Jupiter and also explained about Saturn and their moons. There were 1100 people benefited by this programme.

Lecture and Gazing of Total Lunar Eclipse

The world witnessed a partial Lunar Eclipse on July 16th and 17th. Many parts of the world, including most regions of Asia and Europe, Africa, Australia, and South America got the experience to watch partial Lunar Eclipse. Besides this, Lunar Eclipse was visible in India. For Community People Kalyan Regional Community Science Centre, Bhavnagar arranged lecture on lunar eclipse to aware people by superstitions which related this eclipse. In this lecture our expert connects this situation with our

Religion and Culture. He explained about when first lunar or solar eclipse happened and also explained that Lunar Eclipse is something that happens when the Earth comes between the Sun and the Moon. This can only occur when the Sun, Earth, and Moon are exactly or very closely aligned. Partial Lunar Eclipse happens partially crosses through the umbra and penumbra i.e. here Earth's umbra obscures only a part of Moon's surface. There were 25 people being a part of this lecture. Kalyan Regional Community Science Centre, Bhavnagar had set a program to show people the lunar eclipse. KRCSC is making arrangements to watch astronomical phenomenon of the world for the last 17 years by using telescopes to bring awareness to the people. To be a witness of this beautiful astronomical phenomenon KRCSC, Bhavnagar arranged 4 telescopes at Takhteshwar temple till 16th July 11:45 pm to 5:30 am on 17th July, 2019. The partial lunar eclipse, which is said to be the last of 2019, started at around 1.31 am and has ended before dawn on Wednesday. The eclipse gradually grew and was at its peak level at 3 am and it exactly seemed as if a chunk of the Moon. Being the witness, all Astro lovers from Bhavnagar district saw partial lunar eclipse by Bhavnagar's 2nd biggest 12 inches Telescope 'SUBHASH- 12'. There were more than 700 people benefited by this programme.

School Sky Gazing by Telescope

Kalyan Regional Community Science Centre Organized Sky Gazing Programme in Shree Dakshinamurti School, Bhavnagar for Scout Guide students. Another schools- Model school, Sidsar and Kardej Girls Primary School, Kardej were also benefited by this programme. Our expert Mr. Harshad Joshi explained about moon and its phases, zodiac sign different Constellation, how to find cold star, how to find different Constellation to the students and how to saw them with help of telescope. More than 1600 citizens and students were benefited by this programme.

Day Celebration Programmes:

Celebration of World Homeopathy Day:



The World Homeopathy Day (WHD) is observed every year on April 10 to pay tribute to Dr. Christian Friedrich Samuel Hahnemann, founder and father of Homeopathy system of medicine.

On this day to spread awareness about Different types of venomous snakes and non-venomous snakes, KRCSC organized a Snake Introduction programme for Swami Vivekanand Homeopathy College Students. In this programme our expert explained the types of snakes, Identification of snake bite and superstition related to snake. Our expert also explained about snake rescue techniques. There were more than 200 students participated in this programme.

Celebration of World Earth Day:



The 22nd of April has been marked as an Earth Day to make the human race get aware about the importance of their planet. Every year on Earth Day a theme is decided which give a message to save

our Earth. This year the theme for Earth Day is "Protect our Species" and to raise awareness about the increasing rate of extinction of millions of species. Excessive reduction of plant and wildlife populations is connected to causes of species extinction driven by human activity: climate change, deforestation, habitat loss, trafficking and poaching, unsustainable agriculture, pollution and pesticides. The impacts are far reaching. Every Single species has its own place in the environment that contributes to the ecosystem but due to manmade activities like Hunting and other natural activities including Environment change most of the species like Amur leopard, cross river Gorilla, Three toed-Sloth etc. are in list of endangered animals that we may lost in 21st century. Everyone must understand their Duty for Animals, birds and plants and they can do this perfectly. To convey this Message, KRCSC, Bhavnagar Organized a drawing competition on this theme with support of Gujarat Pollution Control Board, Bhavnagar and supported by Excel Crop Care Ltd., Bhavnagar at Dakshinamurti Vidhyarthibhavan, Bhavnagar. In this programme Lighting the lamp ceremony was carried out by Mr. R. B. Jadeja (Scientist, GPCB, Bhavnagar), Bhadreshbhai Trivedi (Excel Crop Care Ltd., Bhavnagar), Mr. Bharatbhai)Excel Crop Care Ltd., Bhavnagar ,(Mr. Ajaybhai Bhatt)Dist. Secretary, Bhavnagar Dist. Bharat Scout and Guide Sangh. In this Competition participated Members were divided in 3 age groups. And every group has 3 winners get Prize 500/-, 300, 200 in respective winning order and all participants were awarded by a Certificate and Water color. There were 120 people got a chance to be participated in this programme.

Zero Shadow Day:

Zero shadow days are the days when the sun will rise at true east and set at true west. It happens two times in a day at a particular place and it usually happens at places between tropic of cancer and tropic of Capricorn. it is a day when the sun is



vertically above your head. It can happen only at 12 noon and occurs twice a year if your latitude is between the Tropics of Cancer and Capricorn. Exactly on the Tropics, it will be only once a year on the Summer Solstice day. In Gujarat at Bhavnagar city this situation happened on 29th May, 2019 at 12:39 pm. KRCSC, Bhavnagar arranged a practical information for all community people at KRCSC. In this programme our expert explained about motion of earth and how this situation is created. They explained practically to putting different shape and their shadow how we can see zero shadow for 1 minute and 16 second. In this event there were 40 people benefited by this programme.

World Environment Day Drawing Competition At Kala-Kendra And Karkoliya



World Environment Day is celebrated since 1974. It is widely celebrated in over 100 countries. It is "People's day" to do something to take care of earth and the environment. This is really important to know the ways to protect the environment. Every year World Environment Day is celebrated on

unique theme. The theme for 2019 was 'Beat Air Pollution'. On this theme Kalyan Regional Community Science Centre, Bhavnagar organized Drawing Competitions to spread awareness about Air Pollution at Kala Kendra, Bhavnagar and Karkoliya Primary School, Shihor. In inauguration Ceremony at Kala Kendra our Drawing Expert and participated students hold Lighting the lamp. Then KRCSC Coordinator Mr. Harshad Joshi Explained the importance of this celebration. He explained that Air pollution may seem complex, but we can all do our part is to try to reduce it. Understanding the different types of pollution, and how it affects on our health and environment will help us to take steps



towards improving the air around us. KRCSC also organized an awareness rally at Karkoliya, Shihor. These competitions were held in three Age group. All participants tried their best to give a message about how to be beat air pollution. Total 09 participants got prize for the best drawing and for conveying a message by their drawing. There were 120 students benefited by this programme.

Celebration of World Wild Life Week:

The celebration of Wildlife week is observed all over India from 2nd to 8th October 2019. The main objective of this campaign is to promote the conservation and protection of animal life. It teaches people about the animal's life and encourages them to save a large number of animals by not killing them for their own food or for other purposes. World Wildlife Day has now become the most important global annual event dedicated to wildlife.



World Wildlife Day was celebrated in 2019 under the theme "Life below water: for people and planet", which aligns with 14 goals of UN Sustainable Development Goals. To celebrate wild life week Kalyan Regional Community Science Centre, Bhavnagar organized educational tour at Victoria Park, Bhavnagar for Tejaswi primary school students and our Sunday science school students. In this visit our Expert explained about various birds and animals, how to identify them as per their characteristics'. He further explained about various herbal plants found in herb garden. Expert also discussed on theme of wildlife week. There were more than 32 students benefited in this tour.

Space week Celebration by ISRO & Vikram Sarabhai Space chart Exhibition:



World Space Week is an international astronomy event held in more than 84 countries all over the world. This event is celebrated from 4th October to 10th October. World Space Week is an international celebration of science and technology, and their

contributions to the betterment of the human kind. The theme of World Space Week 2019 was "The Moon: Gateway to the Stars". It celebrated the 50th anniversary of humankind's first step on the Moon on 20th July 1969. The theme is devoted to our earth's one and only satellite to celebrate the incredible achievement of landing on the Moon and to spark consideration of the value of the Moon in humankind's future space endeavors. To celebrate world space week Kalyan Regional Community Science Centre, Bhavnagar organized Dr. Vikram Sarabhai & ISRO chart exhibition and online space quiz at Vigyan Bhavan, Bhavnagar and put it open for community. Inauguration function was carried out by various school students. This charts exhibition was prepared by Bhavnagar Astronomy Club Members. We celebrated 100th Birth anniversary of Dr. Vikram Sarabhai to honour him for his tremendous dedication towards science community and also celebrated 50 years of ISRO. KRCSC, Bhavnagar arranged the online space quiz for 10 to 18 years old students. They attended quiz with most enthusiasm and excitement. To propagate knowledge about ISRO and its achievements and also space events for community. There were 60 students witnessed of this exhibition and 330 students participated in online space quiz.

Energy Conservation awareness Rally (Celebration on Energy Conservation day)



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 an Energy Conservation Rally on 14th December 2019 (National Energy Conservation Day) during 7.30 am to 12:00 pm in Bhavnagar City. Our expert shared their thoughts on energy crisis which is being faced by us and the uses of renewable energy resources. After the green signal shown to begin the rally, the Energy Conservation rally has started from Tejaswi primary School. During this rally students carried banner of their school, play card and different slogans related to energy conservation with them. There were more than 120 students & teachers participated in this rally.

Celebration on Nature Conservation Day:



World Nature Conservation day is celebrated on July 28 across the world in order to raise awareness about protecting nature and conserving our natural resources. With problems like deforestation and illegal wildlife trade on the rise, nature conservation has gone up on the list of priorities for a lot of countries. In India, the increased urbanization has led to issues like lack of wildlife habitat, loss of forest cover and pollution. The government has recognized this as a problem and taken initiative to reverse it. Kalyan Regional Community Science Centre, Bhavnagar visited Victoria park to celebrate this day and also had an elocution competition at Shree Swaminarayan Gurukul, Bhavnagar. Our expert related to nature conservation gave information regarding to Victoria park like area

covered by this park, birds and trees found in this park. He further told about herb center; how many herbal plants are there in that herb center. In elocution competition there were 09 students got prize for the best speech. There were 50 students and 3 teachers from various school participated in this visit and 50 students participated in elocution competition.

Celebration on World Ozone Day

Drawing Competition @ Gurukul and Kalakendra:



International Day for the preservation of Ozone Layer is an annual observance. It is celebrated on 16th of September every year to spread awareness and bring attention to the depletion of the ozone layer. This year theme of Ozone day was '32 years and Healing'. Kalyan Regional Community Science Centre with Gujarat Pollution Control Board Organized Drawing Competition and Coloring at Kala Kendra, Bhavnagar. In this competition Shri Chhaganbhai Jambucha (Teacher), Shri Kamalbhai Makwana (Teacher) were present to motivate the students. There were more than 220 students participated in this competition. 1st, 2nd and 3rd winner got Rs. 500/-, Rs. 300/- and Rs. 200/- Cash prize and every participant got certificate.

Lecture on World Ozone Day:

Swami Vivekanand Homeopathy College

World Ozone Day is observed on 16 September every year to spread awareness among people about the depletion of Ozone Layer and search possible solutions to preserve it. On this day people from all over the world are expected to join

Montreal protocol to join the talks and seminars. Since 1995, International Ozone Day is observed on 16th September annually. This day reminds the signing of the Montreal Protocol on substances that depletes the Ozone Layer. Kalyan Regional Community Science Centre, Bhavnagar has been continuously working on this kind of awareness programmes for students and community on various theme every year. The theme of this year was '32 years and Healing'. On that day, KRCSC, Bhavnagar has Organised Ozone talk with youth to celebrating world ozone Day. Lighting the lamp ceremony was carried out by Shri Girish bhai Vaghani (Former Vice Chancellor, M.K.B. University) and Dr. Pranav Shah (Professor, Swami Vivekananda Homeopathic College) and chief guest Dr. Bharatsinh Gohil (HOD, Dept of Life Sciences). After ending inauguration ceremony our Expert Dr. Bharatsinh Gohil (HOD, Dept of Life Sciences) explained the importance of ozone layer and why do we must have to save ozone layer? In keeping with this year's theme '32 Years and Healing', Dr. BharatSinh Gohil has introduced the most important knowledge in simple language in his unique style by weaving along the lines of information on the benefits of ozone gas, the causes responsible for its damage and how to prevent it. There were 90 students participated in this talk.

Celebration on World Ozone Day drawing Competition at Vidhyavihar School, Bhavnagar



International Day for the preservation of Ozone Layer is an annual observance. It is celebrated on 16th of September every year to spread awareness

and bring attention to the depletion of the ozone layer. This year theme of Ozone day was '32 years and Healing'. Kalyan Regional Community Science Centre, Bhavnagar organized a drawing competition on current theme to express children's thought about protect ozone layer by their arts. And it's very effective to spared this awareness by visual effect. there were 220 students participated in this competition.

National Science Day Celebration :



It is not easy to say the way science and new technologies are evolving. With the help of science, human have made his life better and easy. Not only this, we have made impossible things possible like man is reaching into space, robots, computers etc. have been invented.

Therefore, science holds great importance in our life. India has also contributed a lot in the field of science. Many great scientists were born in India and made India famous in the field of science and made a separate place too. On 28th of February every year, the National Science Day is celebrated in India. Famous Indian scientist Sir Chandrasekhara Venkata Raman or CV Raman discovered the Raman Effect on this day in 1928. For his discovery, Sir C V Raman was honored with the Nobel Prize in Physics in 1930. In honor of his discovery and as a mark of tribute to the scientist, National Science Day was marked for the first time on February 28, 1987. Raman effect is the inelastic scattering of a photon by molecules which are excited to higher vibrational or rotational energy levels. It is also called Raman scattering. The Raman



effect forms the basis for Raman spectroscopy which is used by chemists and physicists to gain information about materials. Kalyan Regional Community Science Centre is celebrating national science day by remembering the first Nobel Prize winner of India Sir C.V.Raman with the theme “WOMEN IN SCIENCE” of the year 2020. The team of KRCSC went to Tejasvi School to spread the knowledge about sir C.V.Raman and his Raman Effect. The Raman Effect was a very important discovery by an Indian scientist. Our expert explained all the necessary information to school students about national science day and Raman Effect. The students were also shown the power point presentation and the practical of light demonstration on the spot. The students were become so amused and gathered lots of knowledge. 50 students were benefited. A program named

“Model Rocketry” has also been organized at L.D.Patel high school, Ranghola and M.S.B. School No. 53 with M.S.B. School No. 55 as the celebration



of National Science Day. Our expert suggested a paper layout and model of rocket towards the students. First of all, our expert taught the students how to simulate the design. All the parameters for making a perfect rocket were given with appropriate measurements. In the last the experiment to propel the rocket was done and the launching took place successfully. Total 177 students were benefited by this programme.



(Dr. Bhavesh Bharad)

Chairman,

Kalyan Regional Community Science Centre,
Bhavnagar.

