

ANNUAL REPORT

(2017-18)



PARYAVARAN MITRA

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About Paryavaran Mitra:

Paryavaran Mitra is a Gujarat-based non-profit organization with Regd No: E/20934/Ahmedabad working on socio-environmental issues. It was initiated in 1997 as an enviro-legal cell of Center for Social Justice within JANVIKAS to advocate for human rights in the face of growing environmental degradation and pollution. Since May 1, 2015, it has become an autonomous institution as a part of decentralization policy of JANVIKAS. Over the years, it has steadily grown and established itself in the field of environment especially encouraging public participation in environmental decision making processes in the state of Gujarat. It has been promoting sustainable development through participation in environmental governance at local, regional, and national level by participation in policy making process. Paryavaran Mitra promotes environment education and aware all group of the society through various programmes, seminars, and trainings. It has been supporting international initiatives towards evolving systems and processes for sustainable development. Paryavaran Mitra is an observer organization in United Nations Framework Convention on Climate Change (UNFCCC) and has participating in Conference of the Parties and high-level meetings.

Mission:

Striving for sustained and inclusive economic growth, social development and environmental protection.

Vision:

To create a sustainable well-being and climate resilience society.

Objectives:

- To create awareness regarding environmental legislation
- To educate the community for advocating for environmental justice through access to law, the courts, and public opinion.
- To educate community on environmental issues and assist them to cope, adapt and build resilience, and climate justice.
- Sustained efforts for ensuring climate justice
- To motivate and mobilize communities to participate in decision making process of environmental governance
- Awareness of the court verdicts pertaining to environment protection for its effective implementation
- Networking with local organizations to sensitize on the local environmental issues and strengthening them to effectively work towards redressal of environmental issues
- To promote and encourage the use of social audit system for environmental protection
- Capacity building-Educate / train, sensitize and demystify on issues of environment and industrial pollution – youth, women, voluntary organizations etc and organize interactive programs with academic institutions, experts and other stakeholders working for environment protection.

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Chapter 1: Environmental Education

The impetus to integrate environment education into the formal education system was first highlighted in the National Policy on Education, 1986. In 1991, M.C. Mehta obtained the original Supreme Court order, requiring mandatory environmental education to fulfil the fundamental duties of citizens to “protect and improve the natural environment,” as set out in India’s Constitution. The National Curriculum Framework, 2005, further emphasised integration of environmental issues and recommended project-based learning. In 2016, the UGC introduced a six-month compulsory course on environment studies for undergraduates from all disciplines. Supreme court in various verdict have mentioned that environment education from school level to undergraduate is very much important.

Environmental education helps in increasing awareness and sensitivity to environment and its issues. It also enhances knowledge and understanding of environment and develops attitude of concern for the environment. Environmental education teaches individuals how to weigh various sides of an issue through critical thinking and it enhances their own problem-solving and decision-making skills. Paryavaran Mitra has been providing environment education at school and college level. It has organized various environment related events in schools and colleges through activities like presentations, demonstrations, creative activities, educational games, and competitions under its Green Catalyst program. On some important environmental days like World Ozone Day, World Environmental Day, World Sparrow Day, World Water Day etc, various lectures, discussions and activities were organized. Also activities to save bird and collecting thread on Uttrayan festival was organized in schools. It encourages children and youth to celebrate festivals in eco-friendly ways.

(a) Green Catalyst program

1. About the Project

Green Catalyst is a program to nurture and empower the youth to spread environmental awareness among citizens and initiate actions which will help improve the environment in the city. Green Catalysts are change agents that strive to promote change toward sustainable development. The Green Catalyst Project was launched in September 2017 by Paryavaran Mitra with the support of the Freudenberg Gala Household Pvt. Ltd and the ‘Help for Children in Need’ foundation. The program was aimed at nurturing youth for protecting environment and being the agents who cause ripples of change. It can create participatory/democratic leadership for environment which can lead to reach more people on various issues that are degrading our environment and promote a lifestyle that is more sustainable. The program is right now focused in Ahmedabad and Anand.

2. Objective

- To prepare change agents (Green Catalyst), who will spread awareness and sensitize other youths. These catalysts were selected from 15 colleges across the Ahmedabad.
- To educated them with all related information and concepts about the environment through different methods so that they understand the complexity of environmental issues of the Ahmedabad city.

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- To empowered them to disseminate information on different environmental issues through different media so that they can reach out to a larger audience in their surrounding and educational institute.
- To train them extensively through 5 training programs to understand the complexity of environmental issues, enhance leadership, and develop managerial quality in them.
- To train them to plan awareness drive through different media, and to develop creative ways for disseminating information on different environmental issues. Also to train them in content writing and reporting, and report their activities in our bimonthly magazine “Paryavaran Mitra.”
- To encourage them to celebrate important environmental days in schools and colleges and initiate e-waste collection centers, energy audit, plastic waste collection centre etc in the campus.

3. Overview of action plan

3.1 Implementation structure:

- A total of 30 volunteers (Green Catalyst) are selected from different institutes every year based on their interest and inclination towards environment protection.
- These 30 students are from different disciplines like engineering, law, social work, IT, arts etc.
- All the 30 catalysts are trained extensively on different environmental issues through 5 training programs. They are also given 2 field exposure trips for experiential learning.
- Green Catalysts are involved in various awareness programs and other initiatives (details given below). Around 45-50 awareness programs are organized throughout the year by GCs.
- Based on their interest and skills, the GCs are given responsibilities for leading and executing the awareness programs.
 - Campaign team is responsible for organizing discussions, field visits, taking steps to identify issues and to raise support, and to advocate with help of fellow youth members.
 - Awareness team is responsible for publication of magazine, planning awareness drive through different media, to develop creative ways for disseminating information on different environmental issues.
- Both the team are involved in developing website and operate it independently which will be an interactive platform to spread information as well as to provide platform to discuss environmental issues and to find out ways to solve them.

3.2 Action Plan for Green Catalyst:

During the course of the program, Green Catalyst will be involved in various awareness programs and other initiatives which are given below:

- A total of 25 community awareness drives are organized by Green Catalysts in societies, schools and colleges.

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- 10 events on days of environment importance are celebrated by GCs in a different way in colleges and community.
- 20 public discussion forums are organized in colleges and community especially for youth on environmental issues. (Public discussion forum/ public information lectures to spread awareness regarding specific environmental issues).
- A website will be created & maintained by Green Catalyst to spread the message of environmental awareness.
- The team of 30 Green Catalyst will give 4-page coverage of project activities in our bimonthly magazine “Paryavaran Mitra”. Also one special issue will be published focusing on this programme which will also be handled by Green Catalyst team.
- This year 5 schools were adopted where these Green Catalysts were responsible for carrying out 5 programs on environmental issues throughout the year.

3.3 Outcome:

- A platform for youth of the city to come together and act for common cause of environment protection.
- Capacity building of youth in the areas such as leadership and broad management skills.
- Improved quality of environmental education being taught at different levels in current education system.
- Greater awareness and concern over the growing environmental issues in general public.
- More involvement of different stakeholders (like media, educational institutes, policy makers, business associates, government agencies, youth groups, CBOs etc) to think and act collectively for Green Ahmedabad.

4. Program implementation

4.1 Selection of colleges for the program:

Our approach was to select students from different disciplines like science, social work, law, teaching, engineering etc. This can enable the students to apply their knowledge gained in their discipline to environment so that Green Catalyst group can create social, technical and legal expertise in the field of environment. Around 20 colleges were approached, out of which 15 colleges were finalized (14 from Ahmedabad and 1 from Anand).

4.2 Introduction of program in colleges and selection of Green catalysts:

Colleges were approached and the program was introduced to them. Concept note and consent letter was sent to them for nominating 2 students from their college to participate in this program. A project launch was organized on 21st August 2017, where all the selected colleges were invited. The objective of the project launch was to introduce project and partners so that colleges get enthusiasm to be part of the project. On the day of launching

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program we received consent to participate from 15 colleges. The list of the partner colleges is given in annexure I.

4.3 Capacity building of Green Catalyst:

Green Catalysts were extensively trained through various training programs, field visits, and taught ways of disseminating information so that they can understand environmental issues more closely and reach wider audience. During the training program students were encouraged to express their understanding on the topic and then present their future strategy to use the knowledge at community level. They were also taught ways of spreading awareness in schools, colleges, and community. Also they were taught how media plays important role in spreading awareness.

The first training program was organized for Green Catalyst on 10th September 2017. As the Catalysts are from various faculties which included science, arts, law, and management the first training program was on “Basics of Environment”. Similarly throughout the year we organized a total of 4 training programs and 2 field visits on different topics which is detailed in the table below.

Second training program was organized on waste management on 1st October 2017 for one day. The aim of the program was to enhance understanding on the basic knowledge about type of waste, treatment and disposal methods, and its management. Also to provide training on tools of waste management-reuse, recycling and recovery, and how to establish waste initiative in their college and community. The students were also given individual task to make social media platform for Green Catalyst initiatives like developing facebook page, logo, and website for Green Catalyst program.

Third training program was organized on role of social media in enhancing environmental awareness. This training also included how to manage website content management.

A one-day training program was organized by Paryavaran Mitra as a part of Green Catalyst program on Green Audit.

A one-day visit to GPCB was organized by Paryavaran Mitra as a part of Green Catalyst program. 18 Green Catalyst were present during the visit. The agenda of the training was enhancing understanding of working of pollution control board in environmental management of the state, providing information about various legislations governing pollution control board and providing information about the issues dealt by board and how they bring out solution. Green Catalyst found the visit very informative. Mr. Sushil Vegda addressed Green Catalyst group by giving preliminary introduction of GPCB and Mr. ChiragBhimani, Sr. Scientific Officer gave an excellent presentation on functioning of GPCB and its various roles. Green Catalyst then were taken to visit solar panels which makes GPCB Gujarat’s first completely solar powered Paryavaran Bhavan. Students were also then taken for visit to laboratory which is world class facility for environmental and scientific analysis in Gujarat.

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Table: Capacity building programs organized for Green Catalysts during 2017-18.

Sr. no.	Program	Topic	Date
1.	1st Training	Basics of Environment	10/09/2017
2.	2nd Training	Waste management	01/10/2017
3.	Green Audit training	Green Audit in Colleges and institutions	25/02/2018
4.	Field Visit	GPCB visit	2/02/2018
5	Visit to Freudenberg Gala	Factory visit	20/01/2018
6.	3rd Training	Website content management training	29/03/2018
7.	4th Training cum field visit (2 days)	Training on information collection (RTI and PIL) Visit to E-waste and bio-medical waste management Company	23-24 June 2018

4.4 Awareness programs/events by Green Catalyst (GC):

The program started in September 2017 and since then GC has created awareness in the community, corporate, educational institutes, and schools through public discussions, community awareness drives, skits, and celebration of environmentally important days. It has also been advocating with central and state government through writing letters on various issues that come out during our activities. With their work Green Catalysts have attracted many NGOs, Government bodies like AMC, and corporate with whom they have done many programs in many wards on environmental issues. The list of programs/event organized by Green Catalyst is annexed in annexure II..

Table 2: Performance report of the programs with respect to proposal

Programs	Total req. as per proposal
Launching of GC prog	1
Youth mega forum	1
Awareness programs	
a. Public discussion	10
b. Community awareness drives	25
c. Celebration of env. days	20
Trainings	
a. Core training	4
b. Green Audit training	1
Field Visits	
a. One day field visit within Ahmedabad	1
b. One day field visit to GPCB	1

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4.5 Coverage in Paryavaran Mitra Magazine:

“Paryavaran Mitra” is a bimonthly Gujarati magazine established by Paryavaran Mitra (NGO) in 1997. The magazine brings awareness of environment among common people and reaches wide variety of readers. Till now 230 issues have been published with around 1400 subscribers.

As a part of Green Catalyst Program, we covered 8 pages in this magazine with articles given by Green Catalyst about the activities done during this period. During the training program we also Green Catalysts about giving articles about activities that they are doing as a Green Catalyst in their colleges and community to be published in our bimonthly magazine Paryavaran Mitra. Throughout the year 4 issues were published in which all the Green Catalyst activities were covered.

4.6 Strengthening through Social Media:

The logo of Green Catalyst was designed by Green Catalyst themselves.

Website of Green Catalyst was designed in 2017. Then training program was organized for Green Catalyst on content management of website. After that content of the website is maintained by Green Catalyst. They also update all the events on Facebook and instagram.

- Website link: <http://greencatalyst.org.in/>
- Facebook link: <http://m.facebook.com/TheGreenCatalyst/>
- Instagram: @green_catalyst.pm.

We registered our events of World Environment Day 2018 and World water day 2018 on official website of United Nations.

4.7 Issues intervened:

Table: List of issues intervened by Green Catalyst in year 2017-18

Sr. No.	Issues	No. of events done
1.	Ozone depletion programs	7
2.	E-waste awareness/collection program	20
3.	Kyoto program awareness	2
4.	Open burning	Advocacy
5.	Save Birds	1
6.	Save water campaign	6
7.	Plastic Pollution	9
8.	Go Green Campaign	10

During 2017-18, Green Catalyst intervened in 8 issues to bring awareness in community, schools, Colleges, Corporates etc through skits, presentations, rallies etc. Green Catalyst were trained on the respective issues before the programs with proper mentorship by Paryavaran

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Mitra. The issues were selected based on the need of intervention, interest of Green Catalyst in the issue, proposals from schools or corporates etc. Many issues like ozone depletion, plastic pollution, and save water campaign were initiated to bring awareness during day celebration like World ozone day, World water Day and World environment day.

It was noticed during the campaigns that schools were interest in organizing programs throughout the year on various issues like E-waste, plastic waste, water conservations, and other important issues. Also Corporates showed interest in celebration of environmental important days especially World Environment Day.

5. Achievements:

1. Green Catalyst were part of 55 environmental awareness programs throughout the year which included 15 public discussions, 25 community awareness programs, and celebration of 15 environmentally important days during period September 2017 to August 2018.
2. Since its inception, Green Catalyst has created awareness in the community, corporate, educational institutes, and schools through public discussions, community awareness drives, skits, and celebration of environmentally important days and reached more than 5000 people.
3. Advocating with central and state government through writing letters on various issues that come out during our activities. This year letter was written to the Prime Minister of India suggesting ideas to make Ahmedabad a sustainable smart city. They also advocated in open burning issue and wrote letter to Ahmedabad Municipal Corporation with photographs of open burning in 4 areas.
4. With their work Green Catalysts have attracted many NGOs, Government bodies like AMC, and corporates with who they have done many programs on themes like save water, plastic pollution etc. They performed skit in 12 wards of AMC on Save water and 3 villages on Beat plastic pollution.
5. Many NGO are coming forward to collaborate on different issues like Green Leaf for plantation of around 1000 plants around Ahmedabad. Green Catalyst team worked with them for finding the location for plantation.
6. Reduction of paper wastage in Nirma University: Green Catalyst from Nirma University wrote letter to management with request to reduce paper consumption by reducing additional sheets for exams as supplementary. Management has agreed to use instead of 2 sheets only 1 which has reduced significant amount of paper waste.
7. Cut down the use of plastic cups in canteen at Nirma University: Green Catalyst from Nirma requested college management to stop usage of plastic cups in canteen for tea and coffee to which the management agreed.
8. Three Green Catalysts participated in 3-day TDH annual program at Sanand, Ahmedabad and got chance to participate in Lucknow Youth Convention to be held on 16-18th November 2018 at Lucknow.

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6. Challenges:

1. As students are from different disciplines, we face difficulty in managing schedule of different colleges throughout the year.
2. Difficulty in scheduling training and field trips for all the Green Catalyst together due to varying schedule. Many a times we have to organize one training program twice which increases work load as well as expense.
3. Trainings and field visits are to be organized on Sundays only so we face difficulty as resource persons are not ready to come on Sunday.
4. College exam schedule are generally not fixed so we are not able to plan any program in advance.

7. Media Coverage: Green catalyst are also taught to use media to spread awareness. Their activities were cover in various local and national newspapers. Clips of the coverage are attached in annexure.

2. Lectures in colleges/institutions:

Sr. No.	Date	Event
1.	5-9-2017	Paryavaran Mitra organized celebration of Teachers Day, inviting primary school teachers at Ahmedabad Management Association, Ahmedabad. In the program, teachers from different primary schools were sensitized various environmental issues.
2.	21-9-2017	Talk on Natural disaster management to the post graduate students of Gujarat Vidyapith, HRM Department since they were to visit Banaskantha District post flooding for the purpose of 'rescue and relief work' Also equipped them with guidelines for points / issues to be observed for documentation and submission to the government
3.	26-9-2017	Guest lecture on the subject of „Environmental Laws“ for the students of School of Law, Gujarat University
4.	06-10-2017	Guest lecture on CRZ (Coastal Regulation Zone) to the students of 'School of Law' Gujarat University
5.	6-11-2017 to 12-11-2017	Participation as an observer organization in policy level meeting held by Conference of Parties (COP-23) under Kyoto Protocol. As a member of 'Climate Action South Asia Network (CANSAN)' participated in NGO-sharing program in which NGOs from different parts of the world connect and share their experiences. He gave an interview with the German News channel Deutsche Welle. He spoke of fair and effective ways of dealing with climate change. It was published in local news paper too.
6.	22-11-2017	Interactions with farmers of MithiVirdi, Bhavnagar district, Gujarat on 'Condition of Gujarat Farmers and Role of Government' organized by Gujarat 'KhedutSamaj'
7.	27-11-2018	Nirma University 'Green Audit Committee' Meeting for Expert inputs

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8.	16-02-2018	Lecture on Climate Change and its Impacts as a part of Celebration of 'Kyoto Protocol Day' with the employees of M/s. Afcon Infrastructure Limited, who are involved in the construction of the Ahmedabad Metro Project. Also spoke about 'sustainable ways of construction activities'
9.	16-2-2018	Workshop faculty on "Merits and Demerits of the Compensatory Afforestation Fund Act from the perspective of Environmental sustainability and forest Development Community" organized by Human Resource Development Centre (HDRC)
10.	5-3-2018	Guest lecture delivered at GLS Law College on "How to use the existing environmental legal framework for solving any environmental matter by addressing various authorities including judiciary and use of RTI for any solution"
11.	22-3-2018	Guest lecture delivered to the students of National Institute of Fashion Technology, Gandhinagar on 'environment Issues'

3. Internship Program:

Paryavaran Mitra provides internship to students from diverse fields with an aim to build and enhance environmental values in them which they can apply in their respective field.

Internship at Paryavaran Mitra:

An internship is a form of experiential learning that integrates knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Internships give students the opportunity to gain valuable applied experience and make connections in professional fields they are considering for career paths; and give employers the opportunity to guide and evaluate talent. Through internship, we encourage students from engineering or other technical field to look voluntary sector (NGO) as new opening as job opportunities. Also through internship program we will introduce scope and scale of CSR activities in environmental sustainability.

Paryavaran Mitra provides opportunity to students around the world to put into practice and deepen their theoretical knowledge that they have learn in classrooms. We also offer chance to know more about various developmental perspectives related to environment through in depth orientations, hands on experience of research, training and advocacy. We have been providing internship since 15 years and have been instrumental in giving internship to around 143 students in last 10 years from 23 Universities and over 5 countries. Students from various faculties like environment, law, journalism, social work, management etc have done internship with us and were able to undertake an experiential learning related to their course as well as interest area.

During April, 2017 to March, 2018, Paryavaran Mitra had interns from different regions and universities. The list of interns is given in annexure VI.

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Chapter 2: Advocacy

Paryavaran Mitra advocates for new policies and proper implementation of environmental laws. We have been instrumental in bringing some landmark judgment pertinent to environment which has strengthened public participation, increased accountability of government, and helpful in getting compensation to affected people. The Unique contribution of Paryavaran Mitra is in Public Interest Litigation (PIL) for more than two decades ensuring support and presence in all and one litigations of Gujarat. As a part of advocacy we influence government and judiciary in bringing effective legislation and policy change for sustainable development by using various means of advocacy like Right to Information (RTI), Media (print and electronic), judiciary, state assembly etc.

(i) Policy Advocacy:

a. Comments on draft notification seeking to amend the E-Waste (Management) Rules, 2016:

Paryavaran Mitra sent comments to the Secretary, Ministry of Environment, Forest and Climate Change on 11th December 2017 regarding the draft notification seeking to amend the E-Waste (Management) Rules, 2016.

b. Comments on draft CRZ notification 2018:

Gujarat government, instead of amending CRZ notification 2011, came with new CRZ notification 2018 in April 2018 inviting comments before 17 June 2018 but no stakeholders' consultations were arranged. Paryavaran Mitra along with other two NGOs, Centre for Social Justice and Dariya no Dayro, took lead and organized State level consultation meeting on 11th June 2018. The meeting was attended by 30 participants representing fishery community, NGOs, Boat and other Associations and Academicians. The comments received during the meeting were submitted to the authority. The task of creating awareness in fishery community across the entire coastal area of Gujarat was distributed for different NGOs and VOs. Also, Draft Coastal Regulation Management Plan (CZMP) public hearings were announced at 16 locations. It was found that the maps were poorly prepared and hence of no operational use. During public hearings, all these irregularities had been brought in the notice of the authority. At Rajula, Amreli district, people and local MLA Mr.Amrish Der raised several objections and demanded cancellation of the hearing until new plans are prepared considering all the irregularities brought to their notice. The people and local voluntary organizations formed CZMP LadatSamiti which would represent entire coastal area of Gujarat.

(ii) Media Advocacy:

Print media:

As an advocacy organization Paryavaran Mitra uses media as a tool for policy change. Paryavaran Mitra is media-friendly and has cultivated long-term positive relations with key reporters and editorial staff of major prints (newspapers) as well as electronic media (television and radio). We keep informed of the events that are organized by us and persuade them to cover those events in the media. Whenever we intervene in environmental public hearing (EPH) which

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is sensitive and has high impact, we inform media about the adverse effects of the project and request them to give their presence in public hearing and cover the event. This way we use media as a tool to reach common people and body of decision-makers, so that we can make impact on the decision makers and improve the environment. We also research problems, write reports, and then give our story to media and try to reach the government. Some of the media coverage is listed below.

Digital media:

- <https://www.counterview.net/2018/01/gujarats-biggest-steel-plant-initiated.html>
- <http://indianexpress.com/article/india/environment-clearance-hearing-in-rajkotvillagers-raise-concern-over-losing-land-to-airport-project-4783076/>
- <http://www.dnaindia.com/ahmedabad/report-in-two-years-ahmedabad-saw-forestcover-decline-by-13-2583985>
- <http://ahmedabadmirror.indiatimes.com/ahmedabad/education/27-state-schools-donthave-class-8/articleshow/60946220.cms>

Electronic media:

Sr.No.	Name of the Program/Topic	Name of TV-Channel	Date
1.	Discussion on Ahmedabad's Waste	ETV	02/08/2017
2.	Interview about Food security in Bonn, Germany	Dutch Well Channel	10/11/2017
3.	Discussion on Narmada Water Issue	ETV	22/01/2018
4.	Live Discussion on Water Issue	VTV	02/02/2018
5.	<i>Discussion on Narmada Water Issue</i>	<i>ETV News</i>	<i>3/2/2018</i>
6.	<i>Discussion on Water Problem</i>	<i>Nirman News</i>	<i>06/03/2018</i>
7.	<i>Live Discussion on Water Problem</i>	<i>ETV News</i>	<i>09/03/2018</i>
8.	<i>Discussion on Water Problem</i>	<i>Nirman News</i>	<i>10/03/2018</i>
9.	<i>Discussion on Farmer Suicide</i>	<i>Nirman News</i>	<i>11/03/2018</i>
10.	<i>Discussion on Water Pollution</i>	<i>Sandesh News</i>	<i>16/03/2018</i>
11.	<i>Discussion on Water Problem</i>	<i>Nirman News</i>	<i>22/03/2018</i>
12.	<i>Discussion on Water Problem</i>	<i>Mantavy News</i>	<i>22/03/2018</i>
13.	<i>Discussion on Water Problem</i>	<i>TV9 News</i>	<i>22/03/2018</i>
14.	<i>Discussion on Water Problem</i>	<i>India News</i>	<i>22/03/2018</i>
15.	<i>Discussion on Water Problem</i>	<i>Nirman News</i>	<i>24/03/2018</i>
16.	<i>Water Pollution – CAG Report</i>	<i>ETV News</i>	<i>28/03/2018</i>

Youtube Links:

1. <https://www.youtube.com/watch?v=LXOIzZt5kvo>
2. <https://www.youtube.com/watch?v=xCFz9Y1biLw>
3. https://www.youtube.com/watch?v=M7-Sgvj_dFU

Research work:

Preliminary research study regarding environmental impacts in industrial areas of Bharuch city, Dahej and Zagadiya: It is also notable that in Bharuch district, we were able to conduct one research study, with the voluntary action based support of paralegals, to understand, gauge and identify the real issues of the Industries affected areas, with an intention of intervening with the solutions in a participatory manner.

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Chapter 3: Training and Capacity Building

(i) Teachers' Training:

Environment Conservation through Environment Education:

Paryavaran Mitra in collaboration with Paryavaraniya Vikas Kendra, Rajkot, Gujarat Pollution Control Board and Aditya Birla Group initiated a program "Jidd Karo Paryavaran Bachavani" (Be stubborn to conserve environment) to improve quality of environment education in schools by training primary school teachers. The objective of the program was to train teachers who in turn teach, make aware and prepare their students for environment conservation. We trained 100 teachers from 3300 schools of 33 districts of Gujarat by training 3300 Teachers.

Workshops and other training programs

- On 5th September 2017, on teacher's day we had organized a teacher's training program for school teachers of primary level at Ahmedabad Management Association, Ahmedabad. In this program, we sensitized primary teachers from different schools about different environmental issues and how environmental values can be intruded into young minds through activities. They are the ones who are going to mould the minds of our future generations. Environment Science has been made compulsory subject in schools and colleges after Supreme Court direction but unfortunately the order is not implemented in its spirit and is mere formality.
- Paryavaran Mitra was one of the partner organizers of the Compensatory Afforestation Fund Management and Planning Authority (CAMPA) bill workshop on the 16th-17th February 2018 at HDRC, Ahmedabad. The main purpose of this workshop was to understand the CAF Act 2016 and its adverse impact on FRA 2006. Short-term and long-term implication of this act in the context of Adivasis, Dalits, Women and other forest dwellers in India and Gujarat was discussed. The attendees were enlightened about the ways to protect their indigenous rights. Strategic actions to fight the injustice in the system were also one of the items in the agenda. In the workshop, Mr. Mahesh Pandya gave a talk on the Compensatory Afforestation Act 2016. The talk was focused on the environmental impact and overall benefits to the coastal and tribal areas of Gujarat. This event was instrumental in preparing the factsheet of CAMPA and Forest Rights Act (FRA) in Gujarat.

(ii) Paralegal Environment Training Program

Gujarat being an industrialized state and during our visits to rural areas, we realized that intervention at the public hearing is important but Environmental clearance follow-up is also important. It is of vital importance and essential that people monitor compliance of the environmental conditions given in environmental clearance through social audit. So to outreach we have trained a group of paralegals located at various districts in Gujarat like Padra Block in Vadodara district, Rajula Block in Amreli District, Khambhat block in Anand District, Jhagadia Block in Bharuch District, etc. We train and constantly update these paralegals on the aspects related to environmental laws. Through these paralegals, we are able to monitor the ongoing industrial projects and set-up social audits. These paralegals become a link to many important

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stakeholders namely, local people, environment, government, and the industries in picture in the following ways: -

1. Paralegals act as watchdog and contact concern authority whenever any loophole in implementation of environment parameters is found by the industries.
2. Paralegals act as representatives of the local people and meet the industry representatives to have a dialogue about the concerns of the people related to environment protection and sustenance
3. Paralegals become agents that push for proper implementation of CSR fund in the area.

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Chapter 4: Strengthening public participation in Environmental decision making process

Gujarat has been one of the most economically advanced states of India. Policies, Practices and the undercurrent of entrepreneurship supports the State's various mechanisms that are channelized towards Industrialization. This has increasingly widened the conflicts between sustainability and development. Public participation in decisions about development is an important tool to achieve possible solutions which promotes sustainable development.

EIA process:

EIA process is an important component of sound development planning in the process of industrialization. The term Environment Impact Assessment (EIA) refers to the process of identifying, predicting, evaluating and mitigating the biophysical, social, and other relevant effects of development proposals on the environment and the local community. It is policy instrument to improve environmental outcomes and allow for democratic participation in decision-making. The basic principle of EIA is that it should be participative. Public participation has been considered an essential and integral component of EIA. The EIA Notification falls within the umbrella act - The Environment Protection Act, 1986.

Environmental Public Hearing:

According to EIA notification 2006, the environmental clearance process comprise of four stages namely, Screening, Scoping, Public consultation and Appraisal, all of which may not be applicable to all projects. However in the EIA process, the public hearing (or public consultation) stage is the only stage where there is some scope for intervention by local communities, where comes our role. Further, the consultation process has been divided into two, public hearing for local people and submission in writing from other plausible stakeholders. People falling under 10 km area of the project can take part in public hearing while NGOs/civil society organization (unless locally situated) have been excluded to take part in the public hearing. But NGOs as plausible stakeholders can raise their concerns by sending their written presentations/comments to EPH committee.

Reason for our intervention in EPH:

Reason for our intervention in public hearing is mainly to strengthen public participation. EIA is a highly technical document preventing proper understanding to affected communities with low level of literacy and thus limiting participation. Also there is lack of legal and procedural information about EPH. Thus our main objective is to increase i) Accessibility, ii) information and iii) transparency in the EPH process. Our role is important as there are very few NGOs that assist communities to understand the project and its effect on environment.

Role of Paryavaran Mitra:

Paryavaran Mitra has been working extensively to strengthen EIA process and increase public participation in Environment Public Hearing ever since its inception. The efforts were to make it a transparent, participatory and effective tool of public accountability, as envisioned in the Environment Protection Act, and further mandated by the notification. Our invariable

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intervention has strengthened public hearing process and improved quality of EIA over years. For strengthening public participation and EIA process it is important to:

1. Ensure appropriate awareness on both legislation pertaining to EIA and on environmental issues of the proposed project
2. Ensure accessibility
3. Ensure proper information dissemination

We have been doing it through:

- Dissemination of information to local communities about the upcoming project and its effects by organizing meeting with people.
- Networking with local voluntary organizations/NGOs, groups, and individuals to reach people in rural or remote areas. We also inform local NGOs about the upcoming public hearing and environmental effects of projects, and motivate them to participate in the EPH.
- Raise awareness among locally affected people about public hearing process and discuss concern issues by reviewing draft EIA. Also encourage them to participate and raise their concerns effectively during the public hearing.
- As plausible stake holders in the State of Gujarat we send our comments on the draft EIA report of the projects to EPH committee.

Keeping this in mind, it is our experiences with the implementation of the EIA Notification 2006 and the EPH process that shall be highlighted here.

Intervention in Environmental Public Hearing during the year (2017-18):

During the period of September 2017 to August 2018, the Global Greentrants Fund was a great respite to us since we were somehow struggling to continue our flagship program under operation since 1998. It was a vital support to us as it not only helped our organization gain access to spaces for advocacy or decision-making but also opened some new directions that needed to be explored. The program was an essential need to protect environment in Gujarat as there is no other voluntary organization that make intervention in Environment Impact Assessment (EIA) process.

During the project period from April 1, 2017 to March 31, 2018, a total of 102 EPH were conducted by GPCB. In all the public hearings, we contacted local voluntary organizations/NGOs, groups, and affected people to give them information about upcoming public hearings and environmental impacts of projects. We also submitted our comments and suggestions on draft EIA in 59 projects to GPCB and District Collector, under whose presence EPH is conducted. In 13 public hearings, we did aggressive intervention by organizing meeting to raise awareness among locally affected people and local Voluntary Organizations (VO) about the project and its environmental, social, and economic impact. We also encouraged them to participate and raise their issues effectively during the public hearing. We attended in some of the public hearings and gave real-time support to the people. Due to this, people were able to

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raise their concerns effectively as far as possible, with confidence and without fear. It may be noted that as per EIA notification 2006, only locally affected people and local Voluntary organizations are allowed to speak in the public hearing, so although, we attended public hearings to support people, we could submit concerns & comments in writing only. (Details of EPH intervention is given in Annexure III)

Beneficiaries:

Public participation in EIA process is essential and may lead to substantial benefits for both the proponent and affected community. The beneficiaries of the EPH are wide, which can be divided into two categories, direct and indirect beneficiaries. Direct beneficiaries are the locally affected people who fall in the affected area of the project which comes under 10 km radius of the project. The locally affected people include men, women, youth, and children of the area. Most of the proposed projects are located in rural areas. The rural economy is predominantly dependent on natural resources. Therefore, main beneficiaries of our intervention are farmers, farm labourers, tribes, fisherfolks, forest dwellers villagers etc. Besides direct intervention, some indirect beneficiaries include panchyats, as local self-government system will improve directly by our intervention whereas the state and central government system get benefited indirectly by ensuring transparency and accountability.

Women's participation in Public hearing:

Paryavaran Mitra has always encouraged woman participation in environmental decision making process since they are important stakeholders of environment. Women's participation and representation in decision-making involves their enhanced presence as well as their empowerment at grassroot level. So participation of woman in the environment clearance process not only enhance empowerment of woman but also help policy makers to know women's perspective which can strengthen overall system. This year in one such project, namely, M/s Ultratech Cement Limited, Ta. Jafrabad, Dist. Amreli, it was women group that took lead in successfully presenting the concerns in the EPH.

Media Support to spread awareness about EPH

By and large, media is very supportive in our efforts. However, with our efforts, some of the public hearings have been brought to the public through media. For example, in the case of M/s Ultratech Cement Limited, Ta. Jafrabad, Dist. Amreli and new airport in Rajkot district, print media gave detailed coverage to the concerns raised by the people. Nevertheless, in most cases where we make detailed intervention, we brief the media and that helps them to give wider coverage of the EPH.

Strengthening the quality of EIA reports and influencing people

Paryavaran Mitra has been sending comments/raising questions based on draft EIA of the projects since last 2 decades. We critically review EIA reports to ensure that the information

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submitted is credible and sufficient for decision-making purposes resulting in more informed approvals and better environmental outcomes. This has strengthened the quality of the Environmental Impact Assessment reports.

After reviewing EIA report we help affected people understand their environmental concerns due to upcoming project and thus influence them to raise them in public hearing. The case of M/s. Ultratech Cement Limited is an example of an instance where we have been able to influence affected people about the anomaly in the EIA report, detail of which is given in annexure 2.

Direct intervention by writing letters:

Paryavaran Mitra acts as a watchdog and closely monitors the process of Environment Clearance and specifically ensures public participation at every step. We also write directly to concerned authority regarding any anomaly during the EPH process.

We have also been actively involved in the policy intervention and raising the relevant concerns when loopholes are found in EIA process through writing letters. We understand that our intervention, more or less, influences environmental policy makers to act according to publicized environmental objectives and government officials to implement as per policy wherever the community has shown alertness to protect their environment against defaulting projects.

Some interventions in detail are given in annexure IV.

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Chapter 5: Publication

“Paryavaran Mitra” is a bimonthly Gujarati magazine established by Paryavaran Mitra (NGO) in 1997. The magazine brings awareness of environment among common people and reaches wide variety of readers. Its founder editor is Mahesh Pandya who is also director of Paryavaran Mitra organization. He is known for his vibrant role as an environmental and human rights activist for almost two decades. The Magazine is handled by team of experts who have experience in the field of environment for more than 20 years

The magazine accepts article from experts engaged in various fields especially from professors/teachers, activists, researchers, journalist, environmentalists, environmental engineers, lawyers, Govt. officers etc. We also share our experiences and researches that are part of our organizational work with the audience. Our audience includes grassroot people, gram panchyats, academic institution, judges and lawyers, students, volunteer organization, youth groups, activists, govt. offices, youths etc. It is distributed in all districts of Gujarat and other states like Maharashtra, Diu and Daman, and Goa also. We do not except any advertisement and only take voluntary contributions for the magazine. Till now 227 issues have been published with around 1000 subscribers. We welcome regular feedback from our readers on how we can improve our contents and also if interested can contribute articles in our magazine.

Specification of the magazine:

Language	Gujarati
Frequency of magazine	Bimonthly
No. of Copies (print)	1100
No. of Copies (E-copies)	300
Minimum No. of Pages	28
Size	A4

Highlights of topics covered in the magazine:

April-June, 2017

- Gujarat facing massive water crisis
- Rules regarding Wet and dry waste
- Presentation to the Government of Gujarat to constitute committee regarding the compensation of environmental damages done by the industries
- Hazardous Solid Waste Management in Gujarat
- Parliament question answers
- Environmental cases in the Gujarat State Human Rights Commission
- Clay house for birds in the forest of cement
- World Earth Day 2019: Environment and Climate Education
- “Swachh Bharat Abhiyan”: Directions by CAG
- United States withdrawal from the Paris Agreement

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- Climate Change and Us.

July-September, 2017

- Water cess act abolished under GST
- Green Catalyst Program
- Ozone day Celebration by Green Catalyst
- A new department of environment in Gujarat University
- Announcement for industries in Morbi-Vankaner region
- Environmental News (Press Release)
- Ground Report of Civil Unions on Flood of Gujarat
- Students' views on Environmental desolation of the villages of Banaskantha
- A program that enables students to take initiative for environmental protection
- Essay Writing and drawing Competition on Ozone Day
- What can I do to save the earth?
- Climate Change and Us.

October-December, 2017

- Environmental issues in Gujarat assembly elections manifesto
- Transformation initiatives by students for Environmental protection
- Letter written to Prime Minister by Green Catalyst
- What will I do to save the earth?
- Capacity building of students for environment protection
- Environmental News (Press Release)
- About COP 23 conference held at Bonn, Germany
- Paryavaran Mitra's Participation in COP 23
- Climate Change and Us
- Environmental awareness in Social Media
- 13th Gujarat Assembly Intermittent question answers

January-February, 2018

- Will the new India's model state Gujarat be pollution-free till 2022?
- Water management is the only savior for Thirsty Gujarat
- Air Quality and Public Health - Need to wake up
- The problem of waste in air pollution in the city of Ahmedabad
- Green Catalyst
- Environment Conservators
- From biodiversity to Climate change
- Environmental News
- Climate Change and Us.

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March-April, 2018

- When will government become serious about drinking water?
- Green Catalyst Activities
- Festivals are not just for our enjoyment.
- I don't want to spread pollution but ...
- CAG report in regard to the lions
- Accounting of Forest and Environment Department Budget
- Accounting of Climate Change Department's budget
- Why is Gujarat still thirsty after the average 112.18% rainfall in the state?
- Green Catalyst- Environmental Awareness Programs
- Management of waste - Path to sustainable development
- Parliament question answers
- Climate Change and Us.

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Chapter 6: Contribution at International level

(i) Sustainable Development Goals:

Paryavaran Mitra have been involved towards helping in achieving SDG and our work directly contributes to many of the goals related to environment like water, climate change, livelihood, health etc. We have been part of many regional and national level consultations in nationalizing the sustainable development goal which is given below.

➤ **Consultation on initial Draft National Indicators framework on the SDGs**

A State-Level consultation was organized by Paryavaran Mitra and other NGOs on 4th April, 2017 at Ahmedabad in which around 35 participants from various sectors of civil society organization from all over Gujarat participated. Based on the outcome of the consultation, we sent comments and suggestions on initial draft National indicator framework for sustainable development goals. Ministry of Statistics and Programme Implementation (MoSPI) had prepared initial draft national Indicator framework for monitoring of nationally defined Sustainable Development Goals. The consultation was aimed with particular focus on the present scenario of SDG in various states of India, discussion about the draft national indicators, and come up with the way forward to develop indicators that can be suggested for various goals.

➤ **Consultation on the National Indicators for the SDGs Implementation**

In a follow up to the State-Level consultation on “Initial Draft National Indicators framework on the SDGs” that was organized on 4th April, 2017 in Ahmedabad, the “Consultation on the National Indicators for the SDGs Implementation” was organized by Beyond Copenhagen, SADED, BCPH), DST, Pune, CECOEDECONBJVJ, & PAIRVI at Delhi on 6th April, 2017. The seminar was held after the state consultations in various states and Mr. Mahesh Pandya from Paryavaran Mitra represented it from Gujarat. We also submitted comments and stated suggestions on initial draft national Indicators Framework on Goal 6.

(ii) Participation in international level conferences

Paryavaran Mitra is an observer organization registered with the United Nations Framework Convention on Climate Change (UNFCCC). Mr. Mahesh Pandya, Director, Paryavaran Mitra participated in policy-level meeting held by Climate Action Network and Climate Justice Network, at COP-23, 23rd Conference of the Parties to the United Nations Framework Convention on Climate Change (UNFCCC) at Bonn, Germany from 6-12 November 2017. During the visit, he also participated in NGO-sharing program in which NGOs from different parts of the world connect and share their experiences. He gave an interview with the German News channel Deutsche Welle. He spoke of fair and effective ways of dealing with



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climate change. Mr. Mahesh Pandya, was speaker in **COP23 side event, “Strengthening the Paris Agreement Transparency Framework through social accountability tools”** held on November 9th, 2017 at Climate planet space. The event was covered by German Local newspaper named **General-Anzeiger**.

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ANNEXURES

Annexure I: Green Catalyst Program: List of partner colleges from Ahmedabad and Anand

Sr. No.	Name of College	Name of Green Catalyst
1.	M.S.W course, Gujarat University	1.Devang Parmar 2. Falguni Makawana 3.Nitin Goswami 4.Hardik Patel 5.Hemal Parmar 6. BhumikaMakwana 7. HetalMakwana
2.	School of Law, Gujarat University	1. Manish Dabhi 2. JaiminVyas
3.	Centre of Excellence, School of Law, Guj. Uni.	1. Kamlesh Joshi
4.	Institute of Law, Nirma University	1. SheetalShrimali 2. Kush Tarwani
5.	Anand Institute of Social Work, Aanand	1. Harshil Parikh 2. RutuKrishti
6.	Shri. M.N. ShuklaEdu. College	1. SiddharthPandey 2. RachanaKatariya
7.	Department of lifelong Learning, Gujarat Vidhyapith	1. TejasDhebariya 2. Anil Rajpara 3. SumitMakwana
8.	Shri L. A. Shah Law College	1. Harsh Daksheshkumar Shah 2. ForamMahendrabhaiPanchal
9.	Social Work Department, Gujarat Vidhyapith	1. Pritesh A. Vasava 2. Dharmesh D. Chaudhari 3. Ashish S. Vasava
10.	Department of Environmental Engineering L.D. College of Engineering	1. Viral Joshi 2. MamtaKhatri 3. Devanshi Gandhi 4. NisargPanchal 5. KeshminaChevdi 6. PavitraRathod
11.	Department of Information Technology, L.D. College of Engineering	NiteshSolanki
12.	Department of Social Work, Mahatma Gandhi Labour Institute	1. Tushar Agarwal 2. KalpeshSolanki
13.	H.K. College of Arts and Commerce	1. JayrajZalawala
14.	K.K. Shastri College, Maninagar	1. UpendrasinghBhati 2. Nisha Rajput 3.Trushna

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Annexure – II: List of the events by Green Catalyst team

Sr. No.	Name of program	Date	Venue	Prog details
	Project Launch of Green Catalyst Project	21/08/2017	AMA, Ahmedabad	Project launch
1.	Ozone day celebration	15/09/2017	Institute of Law, Nirma University	<ol style="list-style-type: none"> 1. Putting up posters in classes across university regarding creating awareness for ozone day and actions that can be taken by individuals (as given by UN under SDG). 2. circulation of an oath amongst faculties which is to be taken by them along with students in their respective classes as soon as air conditioning goes off for 50 minutes. 3. We will also deliver a 2/3 minute note on same in each class before switching off air conditioning.
2.	Seminar on Ozone day celebration	15/09/2017	Department of social work, Gujarat University	<ol style="list-style-type: none"> 1. Lecture on importance of ozone 2. Presentation on ozone depletion
3.	A skit on ozone depletion at school	16/09/2017	M.N. Shukla College	<ol style="list-style-type: none"> 1. Awareness through Video showing and discussion on Ozone depletion in school to students of 6 to 8 class in two schools. 2. A skit on Ozone day depletion in school
4.	Awareness drive on roads, parks etc by using postures from posture making competition	16/09/2018	Department of social work, Gujarat University	<ol style="list-style-type: none"> 1. International day for preservation of ozone layer: Posture making on causes of ozone layer depletion, Pollution problems in Metro cities, How to save ozone depletion. 2. Seminar on Ozone layer depletion for MSW students (150 students) with resource person Mahesh Pandya and GPCB. 4. Rally on Ozone day awareness on roads, parks etc by using postures from posture making competition
5.	Poster presentation, special lecture by college	16/09/2018	Centre for Excellence, School of Law, Gujarat University	Poster presentation, Special lecture by college faculties on ozone day, student interaction and group discussion on the related subject.

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	faculties on ozone day, student interaction and group discussion on the related subject			
6.	Seminar on ozone layer depletion	21/09/2018	Gujarat Vidhyapith	Seminar on ozone layer depletion
7.	Essay writing and poster making competition on ozone depletion	22/09/2018	Gujarat Vidhyapith	Essay writing and poster making competition on ozone depletion
8.	E-waste Awareness program	23/12/2017	SKUM School, Drive In Road	1.Presentation on E-waste 2. Skit on E-waste 3. Video on E-waste recycling process
9.	E-waste Collection initiative	24 th to 31 /12/2017	SKUM School, Drive in road	Around 200 kg of E-waste collected
10.	E-waste Awareness Program	24/12/2017	Sattvik Food Festival, Ahmedabad	Skit on E-waste awareness
11.	E-waste Awareness drive and Collection	26/12/2017	SVP Enclave, Drive in road	Interactive session on E-waste and then collection
12.	Save the Bird this Uttrayan Campaign	02/01/2018	KameshwarVidhyalay, Satellite	1.Presentation on Eco-friendly way of celebration of Uttrayan 2.Skit on the same
13.	E-waste Awareness Drive	06/01/2018	VishwaBharti School, Thaltej	Community Awareness Drive
14.	Waste Management Campaign	20/01/2018	Anand Institute of Social Work, Anand	1.Introduction to type of waste 2. Lecture on E-waste 3. Presentation on plastic waste
15.	Waste Management Initiative (E-waste Collection Centre)	20/01/2018 to 28/01/2018	Anand Institute of Social Work, Anand	Collection of E-waste from over 22 colleges of Anand
16.	E-waste Awareness drive	22/01/2018	Play outside arena of Library, Gujarat University	Skit on E-waste and collection initiative
17.	E-waste Awareness drive	22/01/2018	Play outside arena of Commerce,	Skit on E-waste and collection initiative

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			Gujarat University	
18.	E-waste Awareness drive	22/01/2018	Shreeji Vidhyalaya	A lecture on E-waste
19.	E-waste Awareness drive	23/01/2018	K.S. School of Commerce, Gujarat University	Skit on E-waste and collection initiative
20.	E-waste Awareness drive	23/01/2018	Department of Science, Gujarat University	Skit on E-waste and collection initiative
21.	E-waste Awareness program/lecture	24/01/2018	Department of Social Work, Gujarat University	Presentation on E-waste
22.	E-waste Collection Initiative	25 to 31/01/2018	Department of Social Work, Gujarat University	E-waste collection
23.	Street play on "Importance of conserving water for our next generation"	15/02/2018	L.D. Engineering College, Gujarat University	Skit on conservation of water
24.	Implementation of Kyoto protocol on occasion of Kyoto protocol day on 16 th Feb	21/02/2018	School of Law, Gujarat University	Lecture on implementation of Kyoto protocol
25.	Drive on open burning practice	27/02/2018	Satellite, university and nearby areas	Letter to AMC with photographs showing open burning
26.	Drive on open burning practice	28/02/2018	Ranip, Sabarmati, and nearby areas of Ahmedabad	Letter to AMC with photographs showing open burning
27.	Drive on awareness of E-waste among manufacturers, dealers etc	24/02/2018	Areas of Ahmedabad Part-I	Letter to AMC with photographs showing open burning
28.	Celebration of "Kyoto Protocol Day"	16/02/2018	R. C. Technical office, Saraspur	Lecture on importance of Kyoto protocol
29.	Save water Campaign (community awareness)	25/03/2018	Carmel Methodist Church, CTM	Skit on Sunday in front of church on Save water by gathering people
30.	Save water campaign	25/03/2018	Christ Folk Society, CTM	Skit on save water in the society by gathering people

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	(community awareness)			
31.	Save water campaign (community awareness)	25/03/2018	Shalom Park Society, CTM	Skit on save water in the society by gathering people
32.	Waste Management Workshop	27/03/2018	Gujarat Vidhyapith	Lecture on Waste management
33.	Save Water seminar	27/03/2018	Department of Social Work, Gujarat University	Lecture on importance of conservation of water
34.	Walk for Water Rally 2018	08/04/2018	Sabarmati Riverfront, Subhash Bridge to Gandhi ashram	Rally of around 100 students from different colleges conveying message to save water
35.	Street play on plastic pollution	03/06/2018	Happy Street, Sabarmati Riverfront	Street play at the happy street, an initiative by Times of India which encourages people to use non-motorized transport and to come out onto the streets to socialize every Sunday morning through array of activities.
36.	Street play on plastic pollution	04/06/2018	Usmanpura Garden	Skit play on plastic pollution in front of walkers and viewers in the morning hours.
37.	Street play on plastic pollution	05/06/2018	Praladhnagar Garden	Skit play on plastic pollution in front of walkers and viewers in the morning hours.
38.	Street Play on plastic pollution	03/06/2018	Vastrapur Garden	Skit play on plastic pollution in front of walkers and viewers in the morning hours.
39.	Quiz and skit on plastic pollution	04/06/2018	Tata Projects Ltd, Science City, Ahmedabad	1. Skit on plastic pollution in front of metro workers. 2. Interactive session with them to know their understanding of skit.
40.	Lecture on Environment protection and skit on plastic pollution	05/05/2018	ONGC, Kalol	1. Presentation on plastic pollution. 2. Skit on Plastic pollution
41.	Skit, quiz, Paper Bag making demo, and	05/05/2018	Vista Prints	1. Skit non plastic pollution. 2. Quiz on plastic pollution. 3. Demo on how to make paper bag

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	interactive session				
42.	Go Green with Green Catalyst program (Presentation, skit and plantation)	02/07/2018	Arsh School	Primary	1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation.
43.	Go Green with Green Catalyst program (Presentation, skit and plantation)	03/07/2018	Pragati School	English	1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation
44.	Go Green with Green Catalyst program (Presentation, skit and plantation)	04/07/2018	Pragati School	Hindi	1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation
45.	Go Green with Green Catalyst program (Presentation, skit and plantation)	05/07/2018	Agrasen School	Primary	1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation
46.	Go Green with Green Catalyst program (Presentation, skit and plantation)	06/07/2018	B.K. Primary School		1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation
47.	Go Green with Green Catalyst program (Presentation, skit and plantation)	07/07/2018	Sanskar School	Convent	1. Presentation on importance of trees. 2. Drawing competition. 3. Plantation
48.	Awareness on Environment (presentation, skit, and interactive session)	11/07/2018	SKUM school		1. General awareness on environmental components concerning students. 2. Skit on Environmental issues. 3. Interactive session with students
49.	Awareness on Environment	18/07/2018	Kameshwar School		1. General awareness on environmental components

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	(presentation, skit, and interactive session)			concerning students. 2. Skit on Environmental issues. 3. Interactive session with student
50.	Presentation about green catalyst activities and environmental issues	18/07/2018	TDH annual program	1. Presentation of Green Catalyst activities 2. Skit
51.	E-waste Awareness program and collection initiative	01/08/2018	SG English Medium Primary school, Gandhinagar	1. Skit on E-waste 2. interactive session 3. E-waste collection
52.	Go Green program	10/08/2018	Shama School, DaniLimda	1. Presentation on Importance of Tree 2. Skit 3. Plantation
53.	Orientation program of Green Catalyst	26/07/2018	Anand Institute of Social Work, Anand	1. Lecture on importance of environmental protection 2. Introduction to Green Catalyst program 3. Green Catalyst experience sharing
54.	E-waste awareness program	02/08/2018	S.G English School, Gandhinagar	1. Presentation on E-waste 2. Skit on E-waste management
55.	Go Green	26/08/2018	Vastrapur lake	Tied rakhi to 100-year old tree
	Youth Mega Event	10/07/2018	AMA, Ahmedabad	1. Presentation by GC team about their activities 2. lecture by Mr. GaganShethi, Mr. Martin Born, and Mr. George

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Annexure-III: Details of EPH interventions:

Company Name	Location	Date & Time of EPH	Reason/Description of Intervention.
M/s Admark Polycoats Private Limited.	At Survey No. 206 & 207, Village: Luna, Taluka: Padra, Dist: Vadodara,	19/04/2017 At 11:00 hrs	As Padra Taluka is already highly industrialized zone having pharmaceutical, chemical and dye industries. There are various persistent issues like ground water coloration and contamination, air pollution etc. So we decided to intervene in this public hearing. We contacted our paralegals and local people and visited them before public hearing and gave them information regarding the project and its impacts.
M/s. Adani Enterprises Limited	Village(S) Siracha and Navinal, Taluka: Mundra, District: Kutch.	29-04-2017 At 11:00 hrs	Kutch has seen a peak of industrialization around resulting in pollution and so Paryavaran Mitra decided to do an intervention. For this intervention, We first contacted the 'Sarpanch' and other local leaders Mr. Karsan Rabari and Mr. Atmaram Gamot and gave them information regarding EIA.
M/s. Gujarat Alkalies and Chemicals Ltd	At Project site of M/s. Gujarat Alkalies and Chemicals Ltd (GACL), at Plot No 3, GIDC Dahej-I, Ta. Vagra, Dist. Bharuch.	07-07-2017 At 11:00 hrs	We contacted and visited local people Mr. Ismile bhai and Mr. Pushkarsinh Rana to give them information about the project as given in the EIA report.
M/s Jubilant Life Sciences Limited.	at Plot No. 5, SEZ at Village Vilayat, GIDC Vilayat, Ta. Vagra, Dist. Bharuch	18-08-2017 At 11:00 hrs	As this industry was in SEZ, we decided to intervene. We contacted local people Mr. Ismile bhai and Mr. Pushkarsinh Rana to give them information about the project as given in EIA report.
M/s F I Dye Chem.	At Plot No: 3 & 11, Sikandar Market, Opp. Chandola Talav Petrol Pump, Danilimda, Ta: Ahmedabad, Dist:	29-08-2017 At 11:00 hrs	In this intervention, we attended the public hearing and talk with associate people regarding EIA report.

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	Ahmedabad		
M/s Ultratech Cement Limited (Mine Lease Area 49.8454 Ha)	At Survey No. 110/1, 111/1, 111/2, 112/1, 114, 119/1, 126/1, 101, 102/1, 102/2, 102/1/1, 105, Village: Babarkot, Ta: Jafrabad, Dist. Amreli	05-09-2017 At 11:00 hrs	This intervention was demanded by people. Since Mining projects lie under Category A project; the project was divided into two subprojects and declared to be Category B project, which requires state level clearance. Due to coastal area, local people were already facing big problems. Hence, we intervened in this EPH
M/s Ultratech Cement Limited (Mine Lease Area 14.2045 Ha)	At Survey No. 217, 218, 219, 220, 221 of Village: Babarkot, Ta. Jafrabad, Dist. Amreli	06-09-2017 At 11:00 hrs	As above
M/s Balkrishna Industries Limited	At Village. Paddhar, Ta. Bhuj, Dist. Kutch	26-09-2017 At 11:00 hrs	In this intervention, we contacted local people Mr. Karsan Rabari, Mr. Atmaram Gamot and Mr. Arjan Ahir to inform and explain about the Project. We also have drafted our comments for this project.
M/S Achal Chemicals	At Survey No. 202/13 Paiki, Village: Sokhada, Taluka: Khambhat, District: Anand.	03-01-2018 At 11:00 hrs	In this intervention, we have contacted Bhanuben from a voluntary organization. We also have attended the Public hearing with Green catalyst students.
M/s Kodidra limestone mining lease area (lease area 04.70 ha)	At Survey no. 81/2, Village: Kodidra, Ta. Veraval, Dist. GirSomnath	03-03-2018 at 12:00 hrs	In this intervention, we contacted local people Mr. Manish Thavar to inform and explain about the Project. We also have drafted our comments for this project.
M/s Meghmanifinechem ltd	At Plot no. ch-1/ch-2, GIDC Dahej, Ta: Vagra, Dist. Bharuch.	07-03-2018 at 11:00 hrs	In this intervention, we contacted local people Mr. Ismile bhai and Mr. Pushkarsinh Rana to inform and explain about the Project. We also have drafted our comments for this project.
M/s Gorakhmadhi limestone mining lease area (lease area 04.36 ha)	At Survey no. 408/6p, Village: Gorakhmadhi, Ta. Sutrapada, Dist. GirSomnath	09-03-2018 at 12:00 hrs	In this intervention, we contacted local people Mr. Manish Thavar to inform and explain about the Project EIA report.
Bombay minerals limited	At Village. Virpur, Ta. Kalyanpur, Dist. Devbhumi Dwarka	22-03-2018 at 11:00 hrs	We contacted Mr. Naranbhai and Mr. devabhai from kisansangh to give Information regarding project EIA report.

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Annexure-IV: EPH interventions in detail

1. M/s Ultratech Cement Limited

Environmental Public hearing was announced on 5th and 6th September 2017 for two mining projects by M/s Ultratech Cement Limited in Babarkot village area in Jafrabad Block of Amreli District. According to the EIA notification, all mining projects involving land greater than 50 Hectares(Ha) fall under Category 'A' project and require clearance from the Center while Category 'B' projects (less than 50 Ha) require clearance from the State. M/s Ultratech Cement Limited tried to divide a single project into two to make it Category 'B' project by dubiously dividing its 64.0499 Ha project into two different projects of 49 ha and 15 ha in the same region and at the same location. We made the people aware of this violation and helped them bring this point up in the public hearing. Complaints, oral and in writing, were made by the people before and after the public hearing.



Demands to consider the two projects as one and categorize it as Category 'A' were made by the people. The people also demanded for cancellation of the public hearing because of the EIA notification violations and for formation of a committee that would do research of the location where the mining was planned. The people also complained about being pressurized and not having freedom to raise their voices in the public hearing. All the points raised by the public are being considered and the process for granting EC to M/s Ultratech Cement Limited is still pending.

2. M/s Safe Enviro Private Limited

M/s Safe Enviro Private Limited proposed a TSDF site at Magnad Village, Jambusar Block of Bharuch District. The company was violating multiple EIA notifications but the gravest of them was a underground gas pipeline was passing beneath the land on which TSDF site was proposed. This kept the project in high risk and had potential to cause widespread damage to human life and environment. This was in Clear violation of the Petroleum & Minerals Pipelines Act 1962 also. We helped the people raise this issue in the public hearing. Besides this, there were issues regarding land acquisition of the project for which people raised concern in public hearing. Despite such glaring violations M/s *Safe Enviro* Private Limited were given EC on 1st January 2018. The people approached us for help post clearance for which we guided them both in the legal and technical aspects to challenge the decision.

3. M/s Balkrishna Industries Limited

M/s Balkrishna Industries Limited proposed a plant at Village. Paddhar, Ta. Bhuj, Dist. Kutch. The draft EIA report submitted by them in the public hearing had many inaccurate information. We send our comments on EIA report to EPH committee and also helped people raised these

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issues in public hearing. Despite opposition from locally affected people, the company got clearance on January 8th, 2018. But as people were unsatisfied with the decision, they sought us for legal and technical guidance. Our team worked with the people of Padhar and made them submit a memorandum in writing to concerned authority. Also people filed case for violations against the company under our guidance.

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Annexure V: Awareness through Media

Sr. No.	Date	Chanel Name	Subject
1	06/03/2018	Nirman News	Water Problem
2	09/03/2018	E-Tv News	Water Problem
3	10/03/2018	Nirman News	Water Problem
4	11/03/2018	Nirman News	Farmer Suiside
5	16/03/2018	Sandesh News	Water Pollution
6	22/03/2018	Nirman News	Water Pollution
7	22/03/2018	Mantavya News	Water Pollution
8	22/03/2018	TV9 News	Water Pollution
9	22/03/2018	India News	Water Pollution
10	24/03/2018	Nirman News	Water Problem
11	28/03/2018	E-TV News	Water Pollution – CAG Report
12	10/04/2018	ABP Asmita News	Climate Change
13	30/04/2018	Gujarat News	Water Pollution
14	30/04/2018	Nirman News	Water Pollution
15	02/05/2018	Gujarat News	Water Pollution
16	03/05/2018	Nirman News	Climate Change
17	04/05/2018	ABP Asmita News	Land Pollution
18	04/05/2018	Nirman News	City Pollution
19	08/05/2018	Mantavya News	Disaster
20	08/05/2018	Sandesh News	Climate Change
21	09/05/2018	Gujarat News	Climate Change
22	24/05/2018	TV9 News	Climate Change
23	05/05/2018	Sandesh News	Climate Change
24	05/05/2018	E-Tv News	Pollution
25	05/05/2018	Nirman News	Environment Day
26	05/05/2018	Mantavya News	Environment Day
27	07/05/2018	Mantavya News	Pollution
28	07/05/2018	Sandesh News	Pollution
29	11/05/2018	Nirman News	Pollution
30	12/05/2018	Nirman News	Pollution
31	27/07/2018	Mantavya News	Water Pollution
32	11/08/2018	VTV News	Bhadar River Polluted
33	11/08/2018	India News	Bhadar River Polluted
34	11/08/2018	TV9 News	Bhadar River Polluted
35	11/08/2018	GsTv	Bhadar River Polluted
36	15/08/2018	Sandesh News	Bhadar River Polluted

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Annexure VI: List of Interns during 2017-18

1	Nasrinvakil	GLS LAW college	B.A. LLB	28-03-17 to 12-05-2017
2	NaisargiUpadhyay	MS University	B.A. LLB	01-12-17 to 30-12-17
3	Mitchellesimon	Christ University	Masters in Media and Communication Studies	10-04-17 to 10-05-17
4	Dikshashastri	GLS LAW college	B.A. LLB	28-03-17 to 12-05-2017
5	Abhijitrathod	GNLU	B.A. LLB	06-11-17 to 02-12-17
6	Priya K. Jha	MS University	MSC(GEOGRAPHY)	28-05-18 to 15-06-18
7	AkshayMemon	SP Jain Institute of management and research	PGD in management	08-03-18 to 06-04-18
	AnkitYadav	SP Jain Institute of management and research	PGD in management	08-03-18 to 06-04-18
8	RutuKhristi	AnandInstitiute of Social Work	Bachelors in Social Work	01-10-18 to 13-03-18
9.	Harshil Parikh	AnandInstitiute of Social Work	Bachelors in Social Work	01-10-18 to 13-03-18
10.	Harshal	AnandInstitiute of Social Work	Bachelors in Social Work	01-10-18 to 13-03-18

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Annexure VII: Media Coverage of Green Catalyst activities



આણંદ ઈન્સ્ટિ. ઓફ સોશલ વર્કમાં વ્યાખ્યાન યોજાયું



આણંદ, તા. ૩
શ્રી રામકૃષ્ણ સેવા મંડળ સંચાલિત આણંદ ઈન્સ્ટિટ્યુટ ઓફ સોશલ વર્ક માં ફુનબર્ન ગ્રાહક લાઈસેન્સ પ્રોડક્ટ પ્રાઈવેટ લીમિટેડ તથા પર્યાવરણ મિત્ર સંસ્થા ના સહયોગથી પર્યાવરણની કેળવણીની જાગૃતતા ફેલાવવાના હેતુથી વ્યાખ્યાનનું આયોજન કરવામાં આવ્યું હતું જેમાં ફુનબર્ન ગ્રાહક લાઈસેન્સ પ્રોડક્ટ પ્રાઈવેટ લીમિટેડના પ્રોડક્ટ્સ તથા એન્જનીયર મેનેજર શ્રી દીપેશ મોહંતી તથા એચ.આર. મેનેજર શ્રી વિપુલ પ્રજ્ઞપતિ તેમજ પર્યાવરણ મિત્રનાં ડાયરેક્ટર શ્રી મહેશ પંડ્યા અને ફિલ્ડ ઓફિસર શ્રી મહેશ પરમાર ઉપસ્થિત રહ્યા હતાં.

શ્રી દીપેશ મોહંતીએ વિદ્યાર્થીઓને ફુનબર્ન ગ્રાહક લાઈસેન્સ પ્રોડક્ટ પ્રાઈવેટ લીમિટેડનો ટૂંકો પરિચય આપીને કંપનીનાં સી.એચ.આર. સેલ વિષે માહિતી આપી તથા શ્રી મહેશ પંડ્યાએ ઝીન કેટાલીસ્ટ પ્રોજેક્ટ વિષે જણાવ્યું હતું તથા પર્યાવરણને યત્ન નુકસાન અને તેની જાળવણીનાનાં ભાગરૂપે આપણી સામાજિક જવાબદારીઓ તરફ વિદ્યાર્થીઓનું ધ્યાન દોર્યું હતું. શ્રી મહેશ પરમારે સંસ્થાદ્વારા પર્યાવરણની કેળવણી અને જાળવણી માં આપવામાં આવતા યોગદાન તથા વિવિધ પ્રતીતિઓ વિષે ચર્ચા કરી હતી.

વ્યાખ્યાનના આયોજન અને સંચાલન માં એ.આઈ.એસ.ડબલ્યુ ના ઇન્ચીયાર ડો. નિનાદ ઝાલા, અધ્યાપક જણા ઉન્મેશભાઈ પટેલ અને સેજબેન મેકવાલ તેમજ વહીવટીઓ અને તેઓની સંસ્થાઓનો સાથ સહકાર સંપૂર્ણ હતો.

News In Brief

સેવ વોટરનો મેસેજ આપવા રેલીનું આયોજન અમદાવાદ | પર્યાવરણ મિત્ર સંસ્થા દ્વારા સેવ વોટરનો મેસેજ આપવા માટે 'વોક ફોર વોટર' રેલીનું આયોજન કરવામાં આવ્યું છે. આ રેલી આજે સાબરમતી રિવરફ્રન્ટ ખાતે સવારે 7 વાગ્યે યોજાશે. જેમાં વિદ્યાર્થીઓ મોટી સંખ્યામાં ભાગ લેશે. આ રેલીમાં વિદ્યાર્થીઓ રિવરફ્રન્ટથી સુભાષ બ્રિજ અને ત્યાંથી ગાંધી આશ્રમ સુધી જશે.

AHMEDABAD, SUNDAY, 08/04/2018

