

C. P. R. ENVIRONMENTAL EDUCATION CENTRE

a Centre of Excellence in Environmental Education



ANNUAL REPORT

APRIL 1, 2020 TO MARCH 31, 2021

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1

SUMMARY OF ACTIVITIES FOR THE YEAR 2020 – 2021

C.P.R. Environmental Education Centre (CPREEC) is a Centre of Excellence in Environmental Education. Even though the situation and uncertainties forced by COVID 19 were not conducive to take up our regular field and school activities, CPREEC managed to carry out the following activities from April 2020 to March 2021.

International Day for Biological Diversity

CPREEC organized an online Quiz contest on the occasion of International Day for Biological Diversity 2020; a total of 125 participants from across the country took part in the online quiz competition. E- Certificates were issued to all the participants.

World Environment Day

CPREEC organized an online Photography competition and Essay writing competition on the occasion of World Environment Day 2020. The theme was “Celebrating Biodiversity”. 63 entries for Photography and 46 entries for Essay writing competition were received.

E-Certificates were issued to all the participants.

The six best entries were used to bring out a Calendar for 2021.

Sacred Grove Conservation

Sacred Grove conservation is one of the important programmes of CPREEC since 1994. The sacred groves of Nenmeli and Kunnam in Kancheepuram district are well maintained. Casualty replacement of plants was also carried out at the above sites.

Sustainability Education Programme for Schools

CPREEC implemented the WIPRO Earthian Sustainability Education programme for Schools funded by WIPRO Foundation, Bengaluru in the states of Tamil Nadu, Andhra Pradesh, Telangana, Karnataka, Goa and the Union Territories of Puducherry and Andaman & Nicobar Islands.

Due to Corona pandemic, the programme delivery template was altered and non-

direct approach in programme delivery was agreed. To carry out the non-direct delivery of the programme, the tools of information communication technology were selected.

Four CPREEC network schools won the prestigious National Earthian Awards this year.

CPREEC – ENVIS Resource Partner (RP) for Conservation of Ecological Heritage and Sacred Sites of India

CPREEC's ENVIS Resource Partner (RP) on "Conservation of Ecological Heritage and Sacred Sites of India" of the Ministry of Environment, Forest & Climate Change is involved in collecting, collating and disseminating information. The portal was regularly updated.

CPREEC RP organized two (2) courses as part of Green Skill Development Programmes (GSDP) of the MoEF&CC at

Gudalur, The Nilgiris and at Port Blair, Andaman & Nicobar Islands.

Food & Environment – Eat Healthy & Go Green

The project was implemented in the states of Andhra Pradesh, Karnataka, Odisha, and Tamil Nadu with the financial support extended by Dharma Trust. The resource material *Go Veg – Eat Healthy* in English and regional languages were distributed to the participants during the workshops conducted in the above states.

Online Environmental Education Programmes

Online Environmental Education Programmes titled "Our Environment – Our Lifeline" were organised for teachers, students, public and NGOs via Zoom. PowerPoint presentation on various environmental topics were made and uploaded in You Tube.



2

CELEBRATING INTERNATIONAL DAY FOR BIOLOGICAL DIVERSITY

Quiz Competition

CPREEC organized an online Quiz contest on the occasion of International Biological Diversity Day 2020; a total of 125 participants from across the country took part in the online quiz competition. E-Certificates were issued to all the participants.

The winners were declared on June 5th on the website as under;

- 1st Prize – Mr. D. Nayan Gadiya
– Cash Prize Rs 3000/-
- 2nd Prize – Ms. Rupa Sravanthi Garikipati
– Cash Prize Rs 2000/-
- 3rd Prize – Ms. Atluri Kavitha
– Cash Prize Rs 1000/-

The prize money was transferred online to the winners.

Webinar

CPREEC, Karnataka State Office organized a Webinar on International Day for Biological Diversity 2020 in association with Tumkur Science Centre.

Mr. M. Kumaravelu of CPREEC, Ooty Field Office gave an interview on 'Our Solutions are in Nature' for All India Radio on International Day for Biological Diversity at Ooty.



3

WORLD ENVIRONMENT DAY

Photography Competition

CPREEC organized an online Photography competition and Essay writing competition on the occasion of World Environment Day 2020. The theme was "Celebrating Biodiversity". 63 entries for Photography and 46 entries for Essay writing competition were received. Dr. Chinny Krishna and Dr. T. Sundaramoorthy selected the winning photographs of the competition.

The winners were declared on June 5th on the website as under:

- 1st Prize – Mr. V. Mathimaran
– Cash Prize Rs 3000/-
- 2nd Prize – Ms. Sagarika Kumari
– Cash Prize Rs 2000/-
- 3rd Prize – Mr. Shankar Subramanian and Ms. Priyanka Kujur
– Cash Prize Rs 1000/-

The prize money was transferred online to the winners. All the participants were issued e-certificate in appreciation of their participation.

Essay writing Competition

- 1st Prize – Ms. Asmitha
– Cash Prize Rs 3000/-
- 2nd Prize – Mr. Babu
– Cash Prize Rs 2000/-
- 3rd Prize – Mr. Kishwanth Kandhaa
– Cash Prize Rs 1000/-

The prize money was transferred online to the winners. All the participants were issued e-certificate in appreciation of their participation.

CPREEC, Ooty Field Office Celebrated World Environment Day at Kookalthurai, Kotagiri, Nilgiris, distributed posters to shops and pasted in public places.



Mr. K. Palanisamy, President, Mr. A. Annamalai, Vice President, Kookalthurai Panchayat, Forest Guards, Mr. Manikandan, Mr. Rameshkumar, Mr. R. Ramdhas, Farmers' Producer Organisation attended the programme maintaining social distancing.

Studies (CES) Office Campus, Bhubaneswar, Odisha.

CPREEC brought out the Calendar for the year 2021 using the winning photographs and entries of the online photography competition.

Webinar

CPREEC Karnataka State Office organized a Webinar on World Environment Day 2020 in association with Tumkur Science Centre.

Staff of Andhra Pradesh State Office participated in the webinar organised by the Andhra Pradesh State Ground Water Department.

Staff of Odisha State Office participated in the World Environment Day celebrated at Centre for Environment



4

SACRED GROVE CONSERVATION

Sacred grove conservation is one of the important programmes for CPREEC since 1994. CPREEC has restored 53 sacred groves in the states of Tamil Nadu, Andhra Pradesh and Karnataka with a total area of 192 acres and have planted more than 2.00 lakh saplings.

The sacred groves of Nenmeli and Kunnam in Kancheepuram district are well maintained. Casualty replacement of plants was also carried out at the above sites.

Dr. P. Sudhakar, Executive Director visited the Sri Athivaradar Temple, Baburayanpettai village, near Thozhupedu, Chinglepet district to ascertain the possibility of developing a sacred grove. The total area of the land available for probable plantation is about 10 acres.



5

EARTHIAN – SUSTAINABILITY EDUCATION PROGRAMME FOR SCHOOLS IN SOUTH INDIA

CPREEC implemented the WIPRO Earthian Sustainability Education programme for Schools in South India funded by WIPRO Foundation, Bengaluru in the states of Tamil Nadu, Andhra Pradesh, Telangana, Karnataka, Goa and the Union Territories of Puducherry and Andaman & Nicobar Islands.

Due to Corona pandemic, the programme delivery template was altered and non-direct approach in programme delivery was agreed. To carry out the non-direct delivery of the programme, the tools of information communication technology were selected.

Online based web conferencing applications like Cisco Webex, Google Meet, Zoom and WhatsApp were used to reach out and interact with teachers, students and collaborating agencies in a predominant way. In addition, email and mobile calls and chats were used as supporting tools. CPREEC has also subscribed for many online applications to enable online tool availability and got its field locations covered under stable internet connectivity through land based connections. All the workshops were organised online in active collaboration with the concerned Education Department.

The Standard Operating Procedure (SOP) of the State and Central Governments during 2020-21 forced CPREEC to modify the approaches then and there as per the demands of the collaborating agencies. In spite of COVID19 pandemic, the Departments of Education, Department of Environment, State Council for Science and Technology, Popular Science Networks and Community based organizations collaborated with CPREEC and accorded proper permissions in executing the sustainability outreach activities in 2020-21.

Resource Materials



The earthian resource manuals for the teachers/schools/project teams were circulated as soft copies through emails, Whatsapp groups, compact discs and through district level coordinating officials.

The resource material distributed were

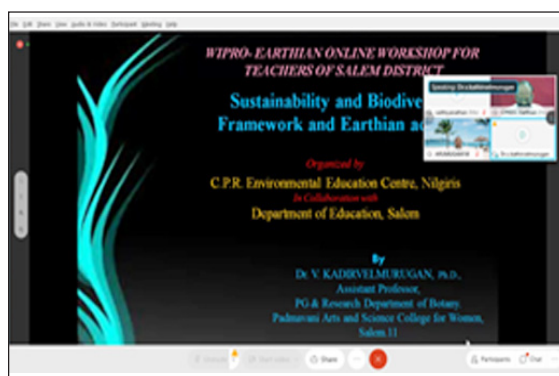
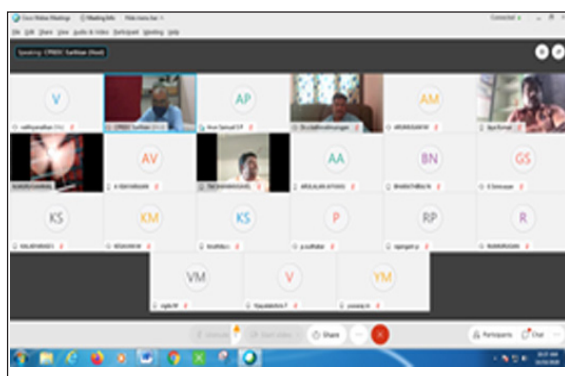
1. Water and Sustainability
(with game card)
2. Biodiversity and Sustainability
(Game card & Field guide)
3. Waste and Sustainability
4. Pandemic and Us
5. Activity sheets

The virtual orientation programmes for teachers aimed at sustainability thinking, initiated them to form groups of students in systematically carrying out designed group activities through knowledge building activities prescribed under earthian 2020-21 framework. Academicians, Experts and Ecologists were invited to interact and motivate teachers from different institutions on the thematic areas of Water, Biodiversity and Waste Management.

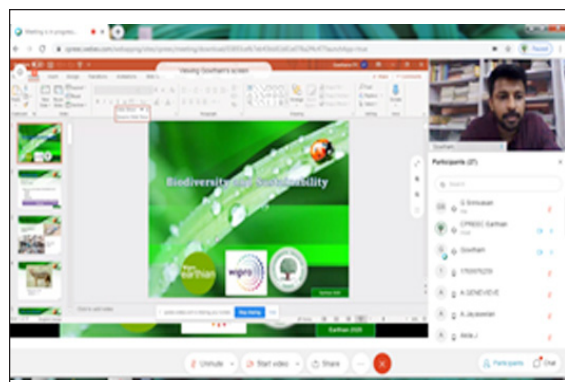
Details of orientation programmes conducted are as follows:

S. No.	Date	State	District	No. of participants
1.	09.09.2020	Andaman & Nicobar Islands	South Andaman	27
2.	16.09.2020	Puducherry	Puducherry	32
3.	25.09.2020	Goa	North & South Goa	83
4.	30.09.2020	Tamil Nadu	Thanjavur	58
5.	01.10.2020	Telangana	Ranga Reddy	86
6.	05.10.2020	Andaman & Nicobar Islands	Middle & North Andaman	46
7.	06.10.2020	Andaman & Nicobar Islands	Nicobar & Little Andaman	16
8.	09.10.2020	Telangana	Hyderabad & Medchal	190
9.	14.10.2020	Tamil Nadu	Salem	27
10.	19.10.2020	Tamil Nadu	Thiruvavur	111
11.	20.10.2020	Tamil Nadu	Chennai, Tiruchy	30
12.	21.10.2020	Tamil Nadu	Nilgiris	15
13.	22.10.2020	Karnataka	Tumakuru	48
14.	06.11.2020	Puducherry	Mahe, Karaikal, Yanam & Puducherry	27

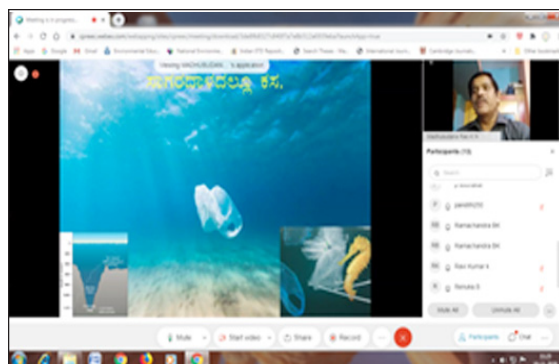
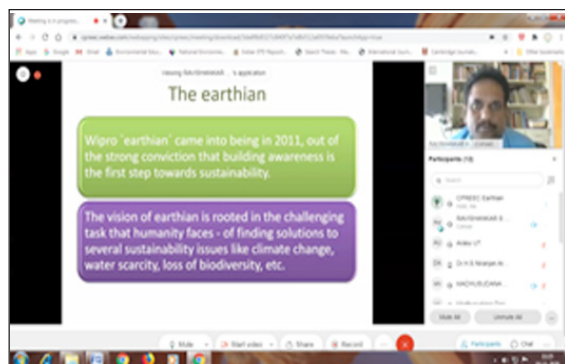
S. No.	Date	State	District	No. of participants
15.	19.11.2020	Karnataka	Ramanagara	15
16.	23.11.2020	Andhra Pradesh	Guntur	17
17.	24.11.2020	Karnataka	Chikkaballapur, Tumakuru South	155
18.	26.11.2020	Karnataka	Chitradurga, Tumakuru North	199
19.	02.12.2020	Karnataka	Hassan, Tumakuru South	299
20.	05.12.2020	Andhra Pradesh	Visakhapatnam	44
Total				1525



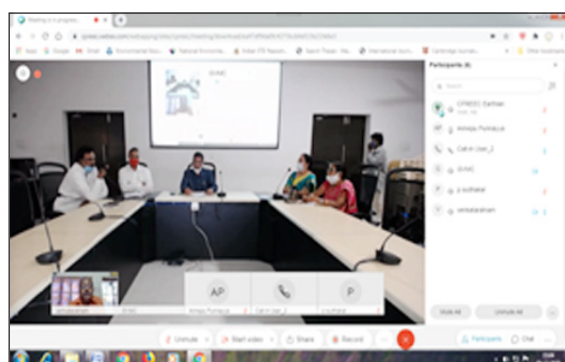
Screenshot of orientation programme for teachers held at Salem, Tamil Nadu on October 14, 2020



Screenshot of orientation programme for teachers held at Union Territory of Puducherry on November 06, 2020



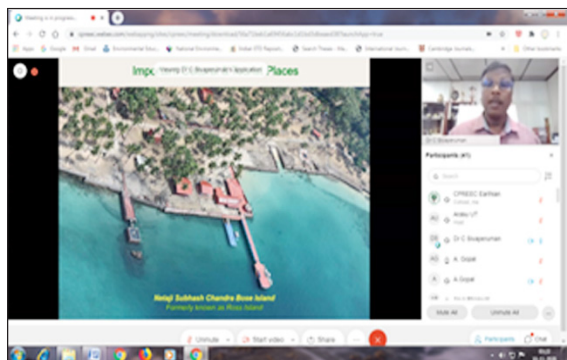
Screenshot of orientation programme for teachers held at Ramanagara, Karnataka on November 19, 2020



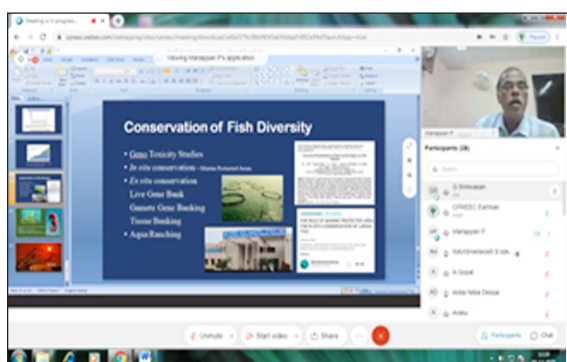
Screenshot of orientation programme for teachers held at Visakhapatnam, Andhra Pradesh on December 05, 2020

Thematic workshops

S. No.	Date	State	Thematic Area	No. of Participants
1.	10.11.2020	Andaman & Nicobar Islands and other five states	Andaman & Nicobar Islands (Thematic workshop on Biodiversity)	41
2.	11.11.2020	Andaman & Nicobar Islands and other five states	Andaman & Nicobar Islands (Thematic workshop on Biodiversity)	26
3.	04.12.2020	Tamil Nadu and other five states	Thanjavur (Thematic workshop on Biodiversity)	35
Total				102



Thematic workshop on Biodiversity held at Andaman



Thematic workshop on Biodiversity held at Thanjavur

Project Submission by schools

The impact of COVID19 and pandemic situations was evident in terms of output as project submissions. In the year 2020-21, CPREEC received 255 project submissions from seven states and union territories. Evaluation committees were constituted to evaluate and shortlist project submissions for national level entry. The committee members are well known activists, environmentalists and scientists in the respective regions. The project submissions were received as soft copies in the form of PDF files. There were variations in formats of submissions received and CPREEC's team had sorted out the issues. Even some school teams had sent printed copies, hand written copies and in power point presentation formats.

S. No.	State / Union Territory	Districts	Total number of projects received	Number of projects shortlisted for National Entry 2020-21
1.	Goa	South & North Goa	24	17
2.	Tamil Nadu & Puducherry	Chennai, Kanchipuram, Thiruvallur, Thanjavur, Thiruvarur, Salem and Nilgiris	79	15

3.	Andhra Pradesh & Telangana	Vijayawada, Visakhapatnam, Ranga Reddy, Medchal and Hyderabad	45	11
4.	Andaman & Nicobar Islands	South, Middle and North Andaman	51	16
5.	Karnataka	Bengaluru Rural, Tumakuru, Hassan, Chiklaballapur and Chitradurga	56	4
Total			255	63

The competent regional evaluation committees short-listed 63 project submissions from 255 total project submissions received. The shortlisted entries were forwarded to Wipro Foundation to be placed before the Earthian National Jury 2020-21.

Regional Recognition Events

The children of six states as earthian project teams have done appreciable work even under the pandemic conditions. CPREEC planned for six regional recognition events. The collaborating agencies were approached for their official deputation of project teams from schools. Since the standard operating procedure was in effect, Tamil Nadu, Puducherry, Goa and Andaman & Nicobar Administration preferred non-direct Virtual Recognition Events and Telangana, Andhra Pradesh

and Karnataka preferred to have minimal contact direct recognition events. Dr. Nanditha Krishna, Honorary Director, CPREEC virtually delivered the Keynote Address and conferred the Regional Recognition Awards in the states of Tamil Nadu, Goa and Union Territories of Puducherry and Andaman & Nicobar Islands.

The awarded mementos for the schools, regional recognition certificates, participation certificates and the cloth





pouches for the team were sent through speed post/courier service. Even though CPREEC had planned for six events, due to variation in the approach towards the regional event, eight regional recognition events were conducted.

National Awards

Four CPREEC network school projects won the national earthian awards including seven national short listing in 2020-21. They received awards in the Virtual National Earthian Awards Event

S.No	State	Regional Recognition E-Events			
		Date/s	Districts	Regional awards	Total Schools/ Students and Teachers Covered
1.	Telangana	08.02.2021	Ranga Reddy	11	9
2.	Telangana	10.02.2021	Medchal	-	17
3.	Karnataka	12.02.2021	Bengaluru Rural, Tumakuru, Chitradurga, Chikkaballapur	05	20
4.	Andhra Pradesh	13.02.2021	Vijayawada	-	25
5.	Telangana	16.02.2021	Hyderabad	-	30
6.	Tamil Nadu & Puducherry	17.02.2021	Chennai, Kancheepuram, Thiruvallur, Thanjavur,	21	83

7.	Goa	24.02.2021	Thiruvavarur, Kumbakonam, Puducherry South Goa North Goa	19	-
8.	Andaman & Nicobar Islands	26.02.2021	South, Middle, North & Nicobar districts of ANI	16	23

held on February 13, 2021. All the national winner teams from CPREEC network schools were informed, coordinated and made to participate in the event.



Theme	Name of the school & address	Names of students	Name of the Guide Teachers
Water	Aravinda High School, Guntur, Andhra Pradesh	1. B.Sirimaanvi, 10 2. S.Varshitha, 10 3. T. Sivateja, 10 4. Ch. Jaivardhan, 9 5. W. Venkatakrishna, 8 6. P. Amruthavalli, 7	Mrs. M. Anuradha, Ms. M. Swaroopa Rani
Waste	Aravinda High School, Guntur, Andhra Pradesh	1. G. Balaji Varma, 10 2. M. Rahul Reddy, 10 3. P. Durga Malleswari, 10 4. Ch. Sai Skanda Pranith, 9 5. G. Harshitha Reddy, 9 6. S. Suyash Raj Singh, 8	Mrs. K. Gowthami Reddy Mr. J. Sreenivasa Rao
Waste	Our Lady of Remedies High School, Goa	1. Sneha Narzary 2. Defny Pereira	Ms. Arti Gurav
Biodiversity	Government Senior Secondary School, Kadamtala, Middle Andaman, Andaman & Nicobar Islands	1. Arpan Dali 2. Ansh Minj	Mr. Chanchal Singha Roy

6

CPREEC ENVIS – RESOURCE PARTNER (RP) ON CONSERVATION OF ECOLOGICAL HERITAGE AND SACRED SITES OF INDIA

CPREEC ENVIS – Resource Partner (RP) on Conservation of Ecological Heritage and Sacred sites of India, is continuously uploading information on concepts related to the theme in suitable formats.

The thrust area of CPREEC ENVIS RP comprises of Sacred Plants, Sacred Gardens, Sacred Groves, Sacred Animals, Sacred Mountains, Sacred Rivers, Sacred Water bodies, Sacred Precincts, Sacred Seeds, Sacred Caves, Green Pilgrimage, Traditional Ecological Knowledge and UNESCO World Heritage Sites in India.

Abstracts uploaded in the ENVIS website (April 2020 to March 2021)

S. No.	Subject Area	Numbers
1	Sacred Forests	26
2	Sacred Gardens	12
3	Sacred Plants	28
4	Sacred Animals	27
5	Sacred Rivers & Sacred Water bodies	40
6	Sacred Mountains	18
7	Sacred Sites	14
8	Sacred Seeds	33
9	Green Pilgrimage	7
10	Traditional Ecological Knowledge	23
11	UNESCO Heritage Sites	22
12	Sacred Caves	14
	Total	264

Updation of ENVIS Website

Topic	Updating status
Abstracts	264
Subject areas	137
News	1192
Glossary	12
Social Media/Latest News	22
Frequency of updating website	1958
Publications	4 Newsletters 10 Posters 2 Pamphlet 1 Booklet
Events	66
Photo Gallery	173
Videos	7

Details of User Engagement and Interaction of CPREEC ENVIS Site

User engagement and interaction	April 2020 to March 2021
Total number of visits	1454215
Number of unique visits	126299
Reports Downloaded/Read	104
Total Number of Queries received	18
Number of Queries responded	16

Video Conference Meet

Presented the activities of ENVIS – RP at the Video Conference Meet of ENVIS Hubs / RPs of South India under the chairmanship of Shri Devender Singh, Senior Economic Advisor, MoEF&CC on November 25, 2020 and interacted with the Senior Economic Advisor online.

GSDP Courses

CPREEC – ENVIS Resource Partner (RP) implemented two Green Skill Development Programme (GSDP) Certificate Course of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India.

Certificate Course on Value addition and Marketing of NTFPs (Plant Origin): Bamboo Crafts, Period of training – 300 hrs.

CPREEC organized the Green Skill Development Programme (GSDP) Certificate Course on Value Addition and Marketing of NTFPs (plant origin) Bamboo Handicraft from January 28, 2021 to March 27, 2021 at Port Blair.

After the selection of trainees to undergo the training, the course was inaugurated on January 28, 2021. Shri. Ajith Anand, Director, Department of Industries, Port Blair inaugurated the course and addressed the trainees. Dr. C. Sivaperuman, Deputy Director, Zoological Survey of India, Port Blair was the Guest of Honour. Shri. Sukumar Das, Assistant Conservator of Forest, Department of Environment and Forest interacted regarding the bamboo and its importance among the participants. They were sensitized on the sustainability of the resources and promotion of good quality local bamboo products for income generation. Shri. A. Gopal, Project Officer, CPREEC gave a brief introduction to the course.

Shri. Binod Ganguli, Trainer was the key resource person of the course. He taught the participants from selection of bamboo for making artefacts, treatment of bamboo, safety measures to be adopted while handling the tools and making bamboo products.

The participants were taken on field visits to Sakorika Emporium, Department of Industries, Khadi Gram Udyog and private shops to learn the market strategy.

- ❖ Dairy Farm for local bamboo craft artesian.
- ❖ Met Shri. Jankai Rao, Bamboo seller at Dairy Farm
- ❖ Silviculture Nursery, Department of Environment and Forest, Nayashehar to understand cultivation and harvesting bamboo for making crafts
- ❖ Botanical Garden, Nayashehar to see the different varieties of Bamboo.

The valedictory function was held on March 27, 2021 at the Tagore Government College of Education, Port Blair. Shri. Debkumar Bhadra, Technical Officer, Indian Institute of Geomagnetism, Shoal Bay welcomed the participants of the valedictory function. Shri. Ajit Anand, Director, Department of Industries, Andaman & Nicobar Administration delivered the presidential address. Dr. C. Sivaperuman, Deputy Director, Zoological Survey of India (ZSI), Port Blair and Dr. Lal Ji Singh, Deputy Director, Botanical Survey of India (BSI), Port Blair felicitated. Shri. Ayub Hassan IFS, DFO (FE&P), Department of Environment & Forest, Andaman & Nicobar Administration was the Chief Guest and distributed the certificates to the participants.



Training on handling tools



Field visit to artefact shop



Bamboo products made by the trainees



Trainees with their GSDP Course completion certificates at the valedictory function

Certificate Course on Value addition and Marketing of NTFPs (Plant Origin): Coconut Shell Handicrafts, Period of training – 300 hrs.

CPREEC organized the Green Skill Development Programme Course (GSDP) on Value Addition and Marketing of NTFPs (Plant Origin): Coconut Shell Handicrafts from January 29, 2021 to March 29, 2021 at Gudalur, the Nilgiris.

The course was inaugurated on January 29, 2021. Mr. F. Robert, NGC Coordinator, Gudalur Educational District inaugurated the course and stressed the importance of the course and the opportunity provided to them in earning a living. Shri. M. Kumaravelu, CPREEC, Ooty Field Office gave a brief introduction to the course.

Ms. Vijayakumari, Trainer from Gudalur, The Nilgiris was the key resource person who trained the participants of the course. She trained them from choosing the coconut shell, grinding it, cutting, polishing, etc. Mr. Anil Kumar, an Artist from Mysore demonstrated and trained the participants on using natural colour and designing on the coconut shells. The participants were taken on an exposure visit to Cauvery Karnataka State Handicraft Development Corporation Ltd, Karnataka.

The valedictory of the course was held on March 29, 2021. Dr. S. Rajan, Scientist and Head (Retd)., Centre of Medicinal Plants Research in Homeopathy, Ministry of AYUSH, Government of India, Emerald, The Nilgiris and Member of Tamil Nadu

State Biodiversity Board, The Nilgiris was the Chief Guest and distributed the Course Certificate. He appreciated the initiative of CPREEC for having organised such an environmental friendly course for the women group as this would help them for enhancing the income source and develop them as an Artisan as well as an entrepreneur. Ms. S. Thangu, Manager (Retd), Panchayat Union, Gudalur, Ms. Leela Krishnan, Trustee, RK Trust, The Nilgiris addressed the participants. Ms. Vijayakumari and Mr. M. Kumaravelu of CPREEC, the Master Trainers were present during the programme.



Trainees making products using coconut shells



Finished products made by the trainees using coconut shells



Participants with course completion certificate during the valedictory



Newspaper Clipping March 4, 2021

Publications

Four issues of the ENVIS Newsletters were brought out

- ❖ April – June 2020, Vol. XIX, No.1
- ❖ July – September 2020, Vol. XIX, No. 2
- ❖ October – December 2020, Vol. XIX, No. 3
- ❖ January – March 2021, Vol. XIX, No. 4

Pamphlets and Posters were developed and posted on the ENVIS website

- ❖ COVID-19 Social Distancing – To Prevent Community Spread -Pamphlet
- ❖ COVID-19 Do's and Don'ts – To protect yourself and others - Pamphlet.
- ❖ Together We Fight against COVID-19 - Poster.

World Elephant Day 2020

CPREEC brought out a Booklet titled - "*The Elephant*" and Posters on

1. The Elephants
2. National Heritage Animal - The Elephant



3. Save the Cultural Icon from Extinction.

The resource materials were released by Dr. Nanditha Krishna, Honorary Director, CPREEC, Chennai, Dr. P. Sudhakar, ENVIS-Coordinator and Mr. R. Sathya Narayanan, Information Officer, CPREEC, Chennai.

Online Painting Competition

On behalf of ENVIS, CPREEC Ooty office organised online painting competitions for students in connection with International day for Tiger and World Elephant day.

Two articles were submitted to the ENVIS Secretariat for the Ministry to publish in their publication on COVID 19 Pandemic to sensitize masses.

1. "Reclamation of Habitat by Wildlife during Coronavirus COVID – 19 Lockdown"
2. "Status of Biological Diversity and Livelihood of Forest Communities during COVID – 19 Pandemic Lockdown in India"

International Mountain Day 2020

CPREEC ENVIS – RP, observed International Mountain Day on 11 December with special reference to sacred mountains and the threats they face, CPREEC ENVIS –RP, Chennai designed, released and brought out Posters on

1. *Mountain*
2. *Mountain Biodiversity*
3. *Mountain and People*
4. *Sacred Mountains*
5. *Threats to Mountain Ecosystem*

International Day of Forests – 2021

International Day of Forests is celebrated every year on March 21. As per FAO, this year's theme is "Forest Restoration: a path to recovery and well being".

CPREEC has been restoring degraded sacred groves in the states of Andhra Pradesh, Karnataka and Tamil Nadu as part of the 'Awareness through Action' programme initiated in 1994 and has restored 53 sacred grove sites with a total area of 192 acres and have planted about 2.00 lakh saplings. As part of observing International Day of Forests, CPREEC ENVIS – RP, Chennai designed and brought out a poster on **Sacred Forest**.



7

FOOD AND THE ENVIRONMENT – EAT HEALTHY AND GO GREEN

C.P.R. Environmental Education Centre (CPREEC) organised a series of workshops for teachers, students, Members of PTA (Parent Teacher Association), women and reporters in the states of Tamil Nadu, Andhra Pradesh, Karnataka and Odisha on Food and the Environment – Eat Healthy and Go Green with the financial support provided by Dharma Trust.

The workshops were organised by the state and field offices of CPREEC functioning at Ooty in the Nilgiris in Tamil Nadu, Tumakuru in Karnataka, Vijayawada in Andhra Pradesh and Bhubaneswar in Odisha. All the participants were provided with a copy of the booklet on the title of the workshop in regional languages.

S. No.	Date	Place / District	Target group	No. of participants
1.	27.02.2021	Best Public School, Kadakkodu Village, Kotagiri Taluk, The Nilgiris, Tamil Nadu	Teachers & Members of PTA (Parent Teacher Association)	44
2.	03.03.2021	G.R.G. Memorial Higher Secondary School, Vazhathottam, Masinagudi P.O., The Nilgiris, Tamil Nadu	Teachers	35
3.	05.03.2021	St. Thomas English High School, Gudalur, The Nilgiris, Tamil Nadu	Teachers	51
4.	08.03.2021	Government Higher Primary School, Mydanahalli, Madhugiri Taluk, Tumakuru District, Karnataka	Students	50

S. No.	Date	Place / District	Target group	No. of participants
5.	09.03.2021	Government Higher Primary School, Siddegunte, Madhugiri Taluk, Tumakuru District, Karnataka	Students	49
6.	10.03.2021	K.S.R.M. Zilla Parishad High School, Patamatalanka, Vijayawada, Andhra Pradesh	Students	54
7.	13.03.2021	Hill Fort Matriculation Higher Secondary School, Keircombai, Kotagiri Taluk, The Nilgiris, Tamil Nadu	Teachers and Students	50
8.	15.03.2021	Zilla Parishad High School, Kanuru, Penamaluru Mandal, Krishna District, Andhra Pradesh	Students	27
9.	16.03.2021	Dr. B. R. Ambedkar Residential High School, Siddarabetta, Koratagere Taluk, Tumakuru District, Karnataka	Students	69
10.	17.03.2021	Sri Byraveswara High School, Manuvenakuruke, Koratagere Taluk, Tumakuru District, Karnataka	Students	89
11.	18.03.2021	Government Higher Primary School, Doddamalur, Madhugiri Taluk, Tumakuru District, Karnataka	Students	42

S. No.	Date	Place / District	Target group	No. of participants
12.	19.03.2021	Nandhatty Village, Gudalur, The Nilgiris, Tamil Nadu	Women Group	44
13.	19.03.2021	Church Campus, Bhupesh Gupta Nagar, Krishnalanka, Vijayawada, Andhra Pradesh	Dwacra Women	71
14.	19.03.2021	Block Resource Centre, Madhugiri, Madhugiri Taluk, Tumakuru District, Karnataka	Teachers	44
15.	20.03.2021	Cluster Resource Centre, Kodigenahally, Madhugiri Taluk, Tumakuru District, Karnataka	Teachers	34
16.	20.03.2021	Conference Hall, Tangi Sambadik Sangha, Tangi, Khordha, Odisha	Reporters	68
17.	21.03.2021	Rajendrapur English Medium School, Tangi, Khordha, Odisha	Women Self Help Group	59
18.	22.03.2021	Aravinda High School, Kunchanapalli, Guntur District, Andhra Pradesh	Teachers	42
19.	22.03.2021	Government Higher Primary School, Arasanakunte, Magadi Taluk, Ramanagara District, Karnataka	Students	115

S. No.	Date	Place / District	Target group	No. of participants
20.	23.03.2021	G.D.E.T. Municipal Corporation High School, Paramatalanka, Vijayawada – 52010 Andhra Pradesh	Teachers	31
21.	24.03.2021	D.S.M.C. High School, Kummarapalem, Vijayawada, Andhra Pradesh	Teachers	23
22.	25.03.2021	Zilla Parishad High School, Tadigadapa, Vijayawada, Andhra Pradesh	Teachers	18
23.	26.03.2021	Zilla Parishad High School, Kanuru, Penamaluru Mandal, Krishna District, Andhra Pradesh	Teachers	25
24.	27.03.2021	K.S.R. Zilla Parishad High School (Girls), Patamatalanka, Vijayawada 520 010 Andhra Pradesh	Teachers	19
25.	28.03.2021	Lakheswar Women High School, Pulnakhara, Cuttack, Odisha	Teachers and Students	50
26.	29.03.2021	Jawahar Navodaya Vidyalaya, Gurujanga, Khordha, Odisha	Teachers and Students	50
27.	31.03.2021	Pabitra Nodal High School, Manijanga, Nimapada Puri, Odisha	Teachers	60
	Total			1313

A total of five workshops were organised in Nilgiris District, Tamil Nadu. Shri. M. Kumaravelu of Ooty Office welcomed the participants and gave a brief introduction to the workshops. He spoke on Healthy Food Habits and the importance of plant-based diets and the cruelties involved with the animal-based food industry and its depletion of

natural resources. Shri. F. Robert and Shri. V. Sivadass, National Green Corps (NGC) Coordinators were the key resource persons who addressed the participants on Food and the Environment, importance of green vegetables and medicinal plants. They stressed the importance of growing green vegetables in their backyards.

Workshop for teachers, PTA Members and students



Best Public School



**G.R.G. Memorial Higher
Secondary School**



St. Thomas English High School



**Hill Fort Matriculation Higher
Secondary School**



Workshop for women at Nandhatty Village



Dinakaran, Tamil Daily, Coimbatore Edition, March 6, 2021

&

Dinamani, Tamil Daily, Coimbatore Edition, March 7, 2021

In the state of Karnataka, CPREEC's State Office at Tumakuru organized six (6) workshops for students and two (2) workshops for teachers. The workshops were organized in collaboration with the State Education Department. Shri. S. Ravishankar of CPREEC's Karnataka State Office gave a brief introduction about the workshop. He spoke on Go Green, stressing the importance of

plant-based diets and the cruelties involved with the animal-based food industry and its depletion of natural resources and food habits. He also organised Eco-games and demonstrated the web of life among the participants. Several resource persons had participated in the workshops and delivered lectures.



**Workshop for students of Sri Bhairaveshwara Rural High School,
Manavinakurike, Koratagere Taluk, Tumakuru District**



**Workshop for students of Government Higher Primary School,
Doddamaluru, Madhugiri Taluk, Tumakuru District**



**Workshop for teachers organised at Block Resource Centre, Madhugiri,
Madhugiri Taluk, Tumakuru District and Cluster Resource Centre,
Kodigenahalli, Madhugiri Taluk, Tumakuru District**

CPREEC's State Office at Vijayawada organised two (2) workshops for school students, six (6) workshops for teachers and one (1) workshop for women in the state of Andhra Pradesh. In all the workshops, Shri. Venkataratnam of CPREEC welcomed the participants and gave a brief introduction to the objective of the workshop. The resource persons spoke in detail about healthy food habits to be followed to lead a healthy life and stressed the importance of

plant-based diets and the cruelties involved with the animal-based food industry and its depletion of natural resources. They said that biodiversity conservation is very important to face the impact of climate change and spoke on the cruelty faced by animals in slaughter houses. All the resource persons interacted with the teachers and answered the queries raised by the teachers.



**Workshop for students of K.S.R.M. Zilla Parishad High School,
Patamatalanka, Vijayawada and Zilla Parishad High School, Kanuru,
Penamaluru Mandal, Krishna District**



Workshop for teachers and group discussion at Aravinda High School, Kunchanapalli, Guntur district



Workshop for women at Bhupesh Gupta Nagar, Krishnalanka, Vijayawada

CPREEC's Odisha state office at Bhubaneswar organised the workshops for a mixed target group of students, teachers, women and reporters. In all the workshops, Dr. Pradeepta Nayak of CPREEC spoke on Eat Healthy and Go Green. The other resource persons spoke on healthy food habits and health problems of the people. They attributed that change in food habits is the root cause for several health issues.

During the workshop for women, the resource persons stressed the importance of plant-based diets and the cruelties involved with the animal-based food industry and its depletion of natural resources and the importance of consuming green vegetables. They stressed that the change in food habits have created many health issues in women and children. All the speakers stressed on healthy food habits to be

followed, what type of food to be consumed to maintain good health. They also spoke on the importance of sanitation to keep our body fit and

healthy. All the resource persons interacted with the participants and answered the queries raised by them.



Workshop for Reporters and Women held at Tangi, Khordha



Workshop for students at Jawahar Navodaya Vidyalaya, Gurujanga, Khordha



Workshop for teachers at Pabitra Nodal High School, Manijanga, Nimapada, Puri



Plantation of saplings at school campus



Press clipping for workshop for Reporters

The Sambad and The Sakal (Odia Newspaper) Issue March 21, 2021

KINDNESS KIDS – A VEGETARIAN OUTREACH IN SCHOOLS

As part of Kindness Kids – A Vegetarian Outreach in schools implemented during 2019-20 during the financial support extended by Humane Society International (HSI) – India, orientation programme for teachers and school students were conducted. However, the prizes for the winners of the painting competition could not be distributed due to COVID 19 and the subsequent national lock down.

The prizes (First, Second and Third) to the winners of painting competition were handed over to the respective schools in 2020-21.

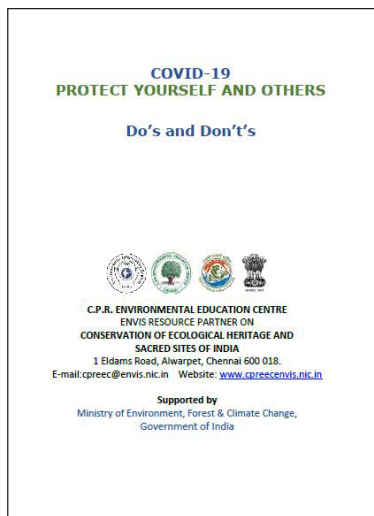
8 PUBLICATIONS

1. Indian Journal of Environmental Education – Vol. 20
2. Four issues of the ENVIS Newsletter were brought out
 - ❖ April – June 2020, Vol. XIX, No.1
 - ❖ July – September 2020, Vol. XIX, No. 2
 - ❖ October – December 2020, Vol. XIX, No. 3
 - ❖ January – March 2021, Vol. XIX, No. 4

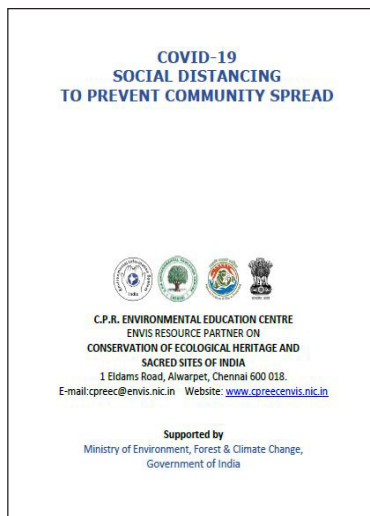


3. Pamphlets and Poster were developed and posted on the ENVIS website on Corona

- ❖ COVID-19 Social Distancing – To Prevent Community Spread -Pamphlet
- ❖ COVID-19 Do's and Don'ts – To protect yourself and others - Pamphlet.
- ❖ Together We Fight against COVID-19 - Poster.



Booklet



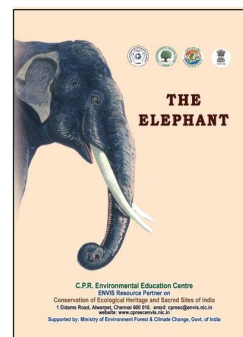
Booklet



Poster

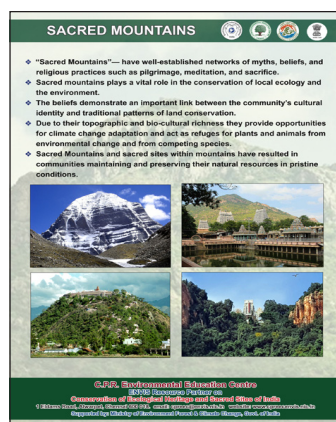
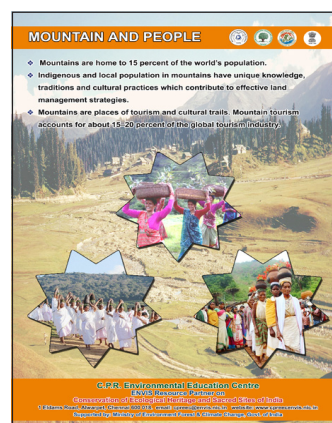
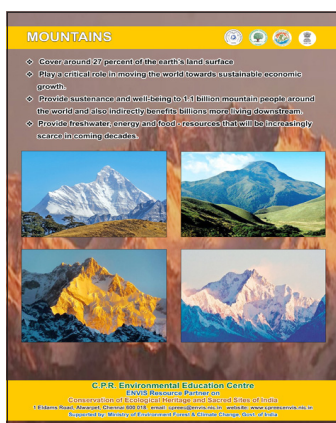
4. To celebrate World Elephant Day, CPREEC brought out a Booklet titled - "The Elephant" and Posters on

- ❖ *The Elephants*
- ❖ *National Heritage Animal - The Elephant*
- ❖ *Save the Cultural Icon from Extinction*



5. As part of observing International Mountain Day, CPREEC ENVIS –RP, Chennai designed and brought out Posters on

- ❖ *Mountain*
- ❖ *Mountain Biodiversity*
- ❖ *Mountain and People*
- ❖ *Sacred Mountains*
- ❖ *Threats to Mountain Ecosystem*



6. As part of observing International Day of Forests, CPREEC ENVIS – RP, Chennai designed and brought out a poster on

- ❖ *Sacred Forest*



9 WEBINARS

❖ Dr. Nanditha Krishna, Honorary Director participated and gave a talk on “Hinduism and Nature” at the International Online Conference on Indigenous Environmentalism organised by Indic Academy on **May 16, 2020**

❖ Dr. Nanditha Krishna, Honorary Director, was a keynote speaker on “Biodiversity and Law” in the Virtual International Conference webinar on environmental law organized by Government Law College, Villupuram, Tamil Nadu, IUCN Academy of Environment Law and Gujarat National Law University, on **June 5, 2020**.

❖ Dr. Nanditha Krishna attended C-SCAPES Advisory Council Meeting via Google Meet on **June 12, 2020** organized by Tata Chemicals Ltd., Mumbai.

❖ Dr. Nanditha Krishna gave a lecture on ‘Sacred Plants of India’ organized by INTACH Chennai Chapter via Google Meet on **July 16, 2020**.

❖ Dr. Nanditha Krishna, Honorary Director, CPREEC, delivered a lecture on ‘Integrating the Environment into Indian History’ at the webinar on

“Issues and Perspectives in Indology”, organized by Indian Council for Cultural Relations, New Delhi and Bhandarkar Oriental Research Institute, Pune on **November 20, 2020**.

Articles by Dr. Nanditha Krishna

❖ ‘Are Indian Slaughter Houses Safe?’ published under Corona Chronicles in Open Magazine dated **July 03, 2020**.

❖ ‘A Brief History of the Tiger in India’ published under Opinions in The New Indian Express dated **July 18, 2020**.

❖ ‘Factory Farming of Animals and Climate Change’ published under Opinions in The New Indian Express dated **November 07, 2020**.

❖ ‘Water, water, everywhere..... Nor any drop to drink’ published under Opinions in The New Indian Express dated **December 05, 2020**.

❖ ‘The Lessons that we learned from 2020’ published under Opinions in The New Indian Express dated **January 02, 2021**.



10

LECTURES / DISCUSSIONS

- ❖ Dr. Nanditha Krishna had a discussion with Ms. Anjali, Ms. Sowmya, and Ms. Soham, students of Ashoka University, on 'Sacred Plants of India' via Zoom Call on **September 11, 2020**.
 - ❖ Dr. P. Sudhakar, Executive Director & ENVIS Coordinator delivered an online lecture on Eco Tourism and Conservation via Google Meet for the students of Department of Geography, Tourism & Travel Management, Madras Christian College, Chennai on **February 26, 2021**.
 - ❖ Dr. P. Sudhakar, Executive Director & ENVIS Coordinator delivered an online lecture on "Ethnobotany" for the final year B.Sc. Plant Biology & Biotechnology students of Women's Christian College, Chennai on **March 15, 2021**.
 - ❖ Dr. P. Sudhakar, Executive Director & ENVIS Coordinator delivered an online lecture on Ecological Traditions of India via Google Meet as part of Refresher Course on Environmental Studies (Inter-Disciplinary) organized by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT), Ministry of Education, Central University of Kerala, Kasaragod, Kerala on **March 19, 2021**.
- ### Online Training
- ❖ Mr. U. Thirunavukkarasu, Assistant Director, CPREEC delivered an online lecture on Sustainable Education via Google Meet as part of Refresher Course on Environmental Studies (Inter-Disciplinary) organized by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT), Ministry of Education, Central University of Kerala, Kasaragod, Kerala on **March 19, 2021**.
 - ❖ Dr. P. Sudhakar, Executive Director, Dr. A. Abirami, ENVIS Programme Officer and Dr. G. Srinivasan, Project Officer attended the Online Training Course in GIS organized by WWF-ENVIS RP from **July 2 to 8, 2020**.
 - ❖ Dr. P. Sudhakar, Executive Director, Mr. U. Thirunavukkarasu, Assistant Director and Dr. G. Srinivasan, Project Officer attended the two days online workshop on 'Resource Efficiency and Circular Economy' organized by GIZ, New Delhi on **November 23 & 27, 2020**.

Interaction and guidance

- ❖ Dr. T. Sundaramoorthy (Retd.) recognized supervisor of University of Madras for Environmental Studies guided
 - * Mr. Prashanth Krishna for his Ph.D. on 'History of the Animal Welfare Movement in Madras (from the Nineteenth Century to 2000 CE)' and thesis submitted.
- ❖ Dr. T. Sundaramoorthy (Retd.) is the co-guide for
 - * Ms. Fathima Thasnia, K.C. of Marine Biology Regional Centre, Zoological Survey of India, Chennai and
- * Ms. M. Vishnupriya Iyer of JIPMER, Pondicherry for their Ph.D.
- ❖ Dr. P. Sudhakar, recognized supervisor of University of Madras for Environmental Studies is the co-guide for Ms. K. Revathy for her Ph.D.
- ❖ Three students pursuing First Year MSW from Amrita Vishwa Vidyapeetham, Coimbatore visited CPREEC ENVIS – RP on **February 15, 2021** and interacted with Dr. P. Sudhakar, Executive Director & ENVIS Coordinator, as part of their field work.



11

ONLINE ENVIRONMENTAL EDUCATION PROGRAMMES

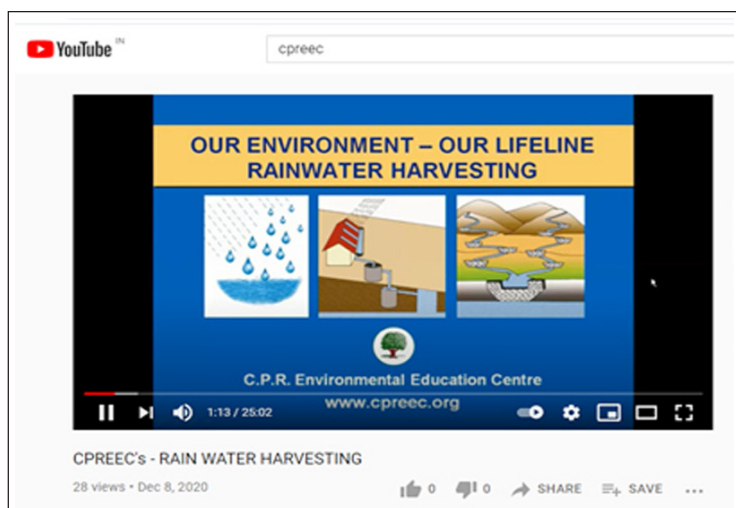
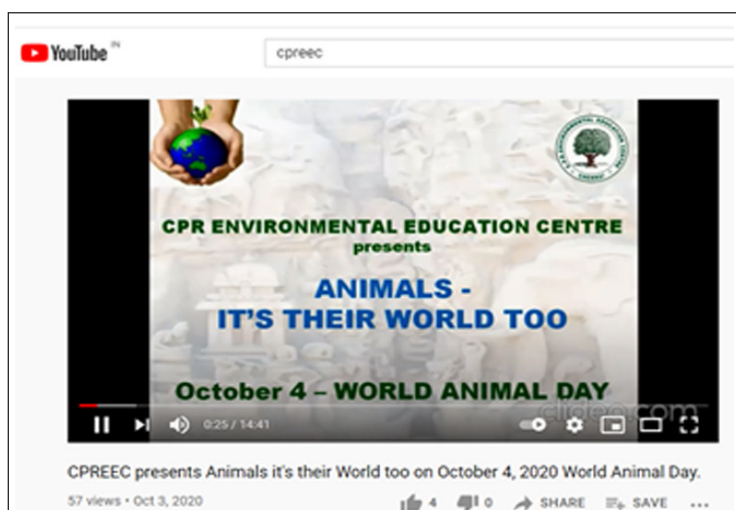
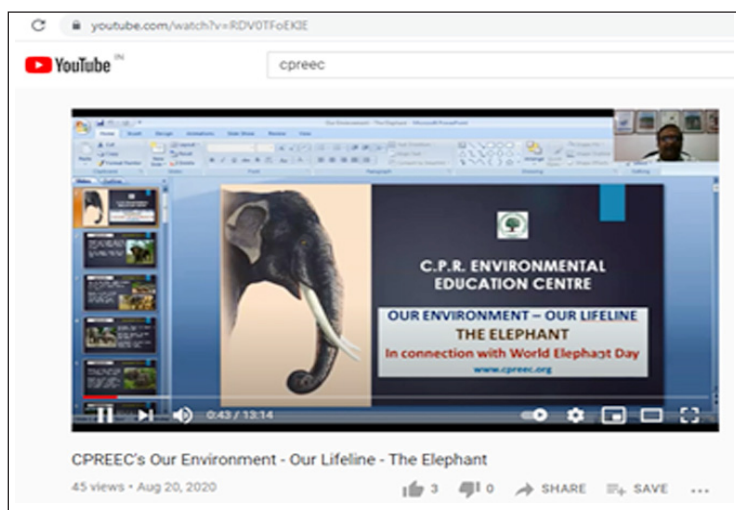
OUR ENVIRONMENT – OUR LIFELINE

Online Environmental Education Programmes “**OUR ENVIRONMENT – OUR LIFELINE**” were organised for teachers, students, public and NGOs via Zoom on the following topics. The same was uploaded in YouTube.

S. No.	Topic	Date	Time
1.	Forests	July 15, 2020	03:00 pm
2.	Forests (Repeat program)	July 17, 2020	03.00 pm
3.	AIR	July 20, 2020	03.00 pm
4.	Air we breathe (Repeat)	July 22, 2020	04.00 pm
5.	Water	July 24, 2020	04:00 pm
6.	Water is the Driver of Nature (repeat)	July 27, 2020	11.00 am
7.	Tiger ...Tiger (International Day for Tiger)	July 29, 2020	10.40 am
8.	Tiger ... Tiger	July 29, 2020	04.00 pm
9.	Tiger ... Tiger	July 31, 2020	04.00 pm
10.	The Land	August 05, 2020	04:00 pm
11.	The Land (Repeat program)	August 07, 2020	04.00 pm
12.	RRR – Reduce Reuse Recycle	August 10, 2020	04.00 pm
13.	The Elephant (World Elephant Day)	August 12, 2020	04.00 pm
14.	The Elephant (Repeat)	August 14, 2020	04:00 pm
15.	RRR – Reduce Reuse Recycle	August 17, 2020	04.00 pm
16.	Biodiversity	August 19, 2020	04.00 pm
17.	Biodiversity	August 21, 2020	04.00 pm
18.	Energy	August 24, 2020	04.00 pm
19.	Energy	August 26, 2020	04.00 pm

S. No.	Topic	Date	Time
20.	Climate Change	August 28, 2020	04.00 pm
21.	Climate change	August 31, 2020	04.00 pm
22.	The Coconut and Palm Trees (Coconut Day)	September 02, 2020	04:00 pm
23.	The Coconut and Palm Trees (Repeat program)	September 04, 2020	04.00 pm
24.	Coastal and Marine Eco System	September 07, 2020	04.00 pm
25.	Coastal and Marine Eco System	September 09, 2020	04.00 pm
26.	Sacred Groves	September 14, 2020	04:00 pm
27.	International Day for Preservation of the Ozone Layer	September 16, 2020	04.00 pm
28.	International Day for Preservation of the Ozone Layer	September 18, 2020	04.00 pm
29.	Sacred Groves	September 21, 2020	04.00 pm
30.	Celebrating the Rhinoceros	September 23, 2020	04.00 pm
31.	Celebrating the Rhinoceros	September 25, 2020	04.00 pm
32.	Forests	September 28, 2020	04.00 pm
33.	Celebrating the Lion	September 30, 2020	04.00 pm
34.	Animals It's their World Too	October 03, 2020	04.00 pm
35.	Peacock	October 05, 2020	04.00 pm
36.	Peacock	October 07, 2020	04.00 pm
37.	Animals It's their World Too	October 09, 2020	04.00 pm
38.	Sacred Tanks	October 12, 2020	04.00 pm
39.	E-waste	October 14, 2020	04.00 pm
40.	Sacred Tanks	October 16, 2020	04.00 pm
41.	E-waste	October 19, 2020	04.00 pm
42.	Little Creatures We need them too	October 20, 2020	04.00 pm

S. No.	Topic	Date	Time
43.	Little Creatures We need them too	October 21, 2020	04.00 pm
44.	Snow Leopard	October 23, 2020	04.00 pm
45.	Little Creatures We need them too	October 28, 2020	04.00 pm
46.	Snow Leopard	October 30, 2020	04.00 pm
47.	Snow Leopard	November 04, 2020	04.00 pm
48.	Rainwater Harvesting	November 11, 2020	04.00 pm
49.	Impact of Fire Crackers on Human Health (Before Deepavali)	November 12, 2020	04.00 pm
50.	Rainwater Harvesting	November 16, 2020	04.00 pm
51.	Rainwater Harvesting	November 18, 2020	04.00 pm
52.	Agriculture and the Environment	November 20, 2020	04.00 pm
53.	Agriculture and the Environment	November 23, 2020	04.00 pm
54.	Traditional Water Harvesting Systems of India	November 30, 2020	04.00 pm
55.	Celebrating the National Pollution Control Day	December 02, 2020	04.00 pm
56.	Traditional Water Harvesting Systems of India	December 04, 2020	04.00 pm
57.	Rainwater Harvesting	December 07, 2020	04.00 pm
58.	Water is the Driver of Nature	December 09, 2020	04.00 pm
59.	Celebrating International Mountain Day	December 11, 2020	04.00 pm
60.	Mountain	December 14, 2020	04.00 pm
61.	Energy	December 16, 2020	04.00 pm
62.	Climate Change	December 18, 2020	04.00 pm
63.	E-Waste	December 21, 2020	04.00 pm
64.	Reduce, Reuse, Recycle	December 23, 2020	04.00 pm



12

HERITAGE ONLINE ARTICLES ON NATURAL HERITAGE

The following articles pertaining to environmental issues were included under Natural Heritage in Heritage Online magazine.

S. No.	Date	Title	Author
1.	25.05.2020	Squirrel in the House	Javanthi
2.	08.06.2020	Groundwater Table in Chennai – Time to realize and act	Dr. Srinivasan Gopalakrishnan
3.	24.07.2020	Storage Capacity and Rainfall Pattern in the reservoirs in Chennai from 2015 to 2019	Dr. Srinivasan Gopalakrishnan
4.	14.08.2020	Know Your Birds – Duck Tales	R. Kavitha
5.	29.08.2020	Know Your Plants – Malabar Glory Lily	Jayanthi Rengun
6.	26.09.2020	Know Your Animals – Role of Small Animals in Ecology	Jayanthi Rengun
7.	10.10.2020	Know Your Plants – Melons	Dr. M. Amirthalingam
8.	31.10.2020	Interesting Facts about Insects	Jayanthi Rengun
9.	21.11.2020	On the Road to Extinction – The Legendary Sea-Cow or The Dugong	Dr. R.S. Lal Mohan
10.	19.12.2020	Know Your Plants – Black Pepper (<i>Piper Nigrum</i> Linn.)	N. Sandhya
11.	02.01.2021	Plant Varieties and Intellectual Property Rights	L. Pushpa Kumar
12.	16.01.2021	Wild Edible Plants found in The Sacred Groves of Tamil Nadu – Part I	Dr. M. Amirthalingam
13.	23.01.2021	Wild Edible Plants found in The Sacred Groves of Tamil Nadu – Part II	Dr. M. Amirthalingam
14.	06.02.2021	Tree Planting and After Care – Part I	B. Arulanandan
15.	13.02.2021	Tree Planting and After Care – Part II	B. Arulanandan
16.	27.02.2021	Know Your Animals – Seahorse (<i>Hippocampus Hippocampus</i>)	Jayanthi Rengun
17.	20.03.2021	Andaman & Nicobar Islands – A Historical Perspective – Part I	Dr. T. Sundaramoorthy
18.	27.03.2021	Andaman & Nicobar Islands – A Historical Perspective – Part II	Dr. T. Sundaramoorthy