



CIN No.: U74999UR2014NPL001313

HaritaDhara Research Development and Education Foundation

(Established under Section 8 of the Indian Companies Act, 2013)

Ref. No. : HRDEF/UNGC/NB/COE2022

Dated : 22-01-2022

COMMUNICATION ON ENGAGEMENT (COE)

Period Covered by this Communication on Engagement

From: January 2020 to January 2022

To our Stakeholders:

I am pleased to confirm that HaritaDhara Research Development and Education Foundation (HRDEF) reaffirms its support to the United Nations Global Compact and its Ten Principles in the areas of Human Rights, Labour, Environment and Anti-Corruption. This is our Communication on Engagement with the United Nations Global Compact. We welcome feedback on its contents.

In this Communication on Engagement, we describe the actions that our organization has taken to support the UN Global Compact and its Principles as suggested for an organization like ours. We also commit to sharing this information with our stakeholders using our primary channels of communication.

Yours Sincerely,

Vijay Kumar
President



PROTECT PRITHVI.






HARITIMA IT.



ALANKRIT IT.

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HaritaDhara Research Development and Education Foundation

हरितधरा रिसर्च डेवलपमेंट एंड एजुकेशन फाउंडेशन (HRDEF)

Website: <https://www.hrdef.org>

About HRDEF

HaritaDhara Research Development and Education Foundation (HRDEF) established as non-profit social enterprise under the Companies Act 2013 as section 8 company in 2014 and in Special Consultative status with the United Nations Economic and Social Council since 2018 (UN ECOSOC). HRDEF inculcate and motivates students for science, technology, engineering, arts and design, mathematics (STEAM) for 21st Century sustainable living through intelligent interactive learning systems. HRDEF committed to establish processes aimed at educating for sustainable development (SDGs), management of environment, water, energy, waste, climate change, and transport issues through involving children, youth, and elders using ICT. HRDEF promotes natural, land resource management, sustainable agriculture, bio-diversity enrichment, and disaster management using educational inventiveness for smart cities and villages.

We conduct teachers, student's development programs for capacity building on ICT, SDGs, climate change, disasters, STEAM, and work towards Sustainability, SDGs, Green, Swachh, and Sustainable Living. We are addressing issue of quality learning and sustainable development through ICT, hands-on activities in a curriculum based way supported by research inputs and driven by new learning paradigm based on cognitive science, neuroscience, AI, makers approach,

Why Us

As per data from various studies and our experience we witnessed that quality education and life skills (21st century skills) are ignored in mainstream education. To bridge this gap, we are providing quality skillful education, problem solving, creativity, communication, design and computing. Building capacity for citizenship, values and Sustainable Development Goals (SDGs) among school students and youth so that they will be able to tackle future challenges. We are using games, project, and hands-on approached for interactive learning. We took alternative education as drive for betterment, and counseled low-income mothers to provide education to their children especially daughters for better life under our GOAL program. We hold sessions for mothers, daughters in the slum areas about digital literacy as new avenues for future.

- To empower girls trained in our GOAL program, we started learning center in under-served community so that they teach kids from class 1 to 8 and soon able to earn livelihood.
- We organized workshops, lectures to spearhead education, climate change, SDGs, citizenship, values, STEAM, sustainability for students, teachers, and community.
- Through our initiatives such as Hands-on Learning, Game based learning we are teaching learners in an interactive way to understand complex concepts.
- Through GOAL, our students, youth become motivated, equipped with self-confidence to excel in life and will be able to create sustainable future.
- We visit to community of low-income group, schools and spreading message through workshops and talks.

- Mentoring opportunities from Experts, Youth become trainer for their community, Create more Change Makers,

Our Impact

Students, Teachers, Parents, youth, and Community members are direct impact holders, Government departments, professionals, policy makers, and businesses are indirect impacted.

Awards, Achievements, External Assessment, Evaluation, and Partnerships

- Er. Anant Bhaskar Garg, Director selected as Regional Mentor of Change, Uttarakhand, Niti Aayog, GoI, 2021
- Mentor for the Online Climate Reality Project Leader Training, in 2020
- Selected as not-profit partner for Online Volunteering with United Nations Volunteering (UNV)
- Accredited as organization having Special Consultative status with United Nations Economic and Social Council (UN ECOSOC) in 2018
- MoU with Department of School Education, Govt. of Uttarakhand in 2019
- Since 2016, HRDEF has been committed to the United Nations (UN) Global Compact
- Registered, verified with GuideStar India GSN Number - 6573 and Certified with Transparency key in 2018
- Gold Award (2019), Silver (2017, 2018) to NavUrja Sanchar, a unit of HRDEF **for VIPNET Science Clubs (Vigyan Prasara), Dept. of Science and Technology, Govt. of India**
- Er. Anant Bhaskar Garg, Director selected as Mentor of Change, Niti Aayog, GoI | Microsoft Innovative Educator Expert (MIEE) 2018, 2019, 2020
- Dr. Manisha Agarwal, Director got Matre Shakti Manroma Dobriyal Sharma award in 2016 for her efforts for women, girls' empowerment, and digital literacy
- Fellowship from UNESCO MGIEP for TECH 2017, 2018 for Research Work Presentation and written blogs for SDSN-Youth, Together 2030
- Member of Sustainable Development and Solutions Network -Youth (SDSN-Youth) an organization supported by United Nations
- Member of international professional bodies IUCN CEC, UNEP DHI, The Climate Reality Project, Together 2030,
- Partner of Technovation, Designathon, Global Goals Jam, TED-Ed Club, Google CS First – Global Organizations
- HunderED Ambassador 2019, Finland | Sustainability in Science Centers Fellowship, ASU, USA, 2017
- Dr. Manisha Agarwal Paper selected in NCSTC 9th National Teachers Congress, DST, GoI
- Principals Conclave on SDGs and Climate change education training with **TCPF and UNESCO, New Delhi in 2017**
- The Climate Reality Project Leaders 2015 – Trained by **Former Vice-President Al Gore, USA**
- Sustainable Smart Earth through Harita Week – Month project is building awareness and motivation among school, college students, community, professionals through organizing various activities in the

April month celebrated as Earth month, and Harita week spread around the year comprising workshop, training and other events based on Education, Technology, and Sustainability.

- Workshops on Role of Cultural and Traditional Knowledge for Sustainable Development, Energy Conservation, Best Practices in Waste Management and Climate Change, Medicinal plants in our daily life, Disaster Risk Reduction
- Programs on Fun way of Learning through Hands-on, Game based approach on STEAM
- Organized various competitions for school students, and lectures to promote UN themes on Science for Environmental and Climate Literacy, Importance of Medicinal Plants in our Daily Life, Forest Fire, Climate Change, **Sustainable Development Goals (SDGs)**, Renewable energy, water, waste management, effects of climate change on biodiversity, role of engineering in sustainable development, and energy conservation. Students from Uttarakhand, U.P., H.P., M.P., Haryana, Punjab, Chhattisgarh, actively participated in various competitions.
- **Pledge drive for Green, Clean Smart Dehradun 4220 people** undertook the same
- GOAL learning Centres for alternative education and computer training programme to under-served women and children to empower them with technology
- Our workshops were replicated by our participants in their respective institutions for larger learning and impact
- Our GOAL program students earning their livelihood, enrolled in colleges, and doing jobs
- We feel very motivated that we are able to initiate some change in our community

Description of Actions

HaritaDhara Research Development and Education Foundation (HRDEF) during the past two year participated and organized several events. In events and actions supported the 10 key principles of commitment to the UN Global Compact. We are creating awareness through organizing workshops, lectures and interacting with stakeholders such as policy makers, professionals, teachers, students. We cover topics such as SDGs, Climate Change, Sustainable living-water, energy and forest management, Sustainable lifestyle, plantation drive and associated with other institutions. We partnered with UNEP-DHI for Eco Challenge for IWRM on River Basin.

We partnered with The Climate Project Foundation, Climate Reality Project, SDSN Youth, VIPNET, IUCN CEC #NatureforAll for Teachers and youth training program. We are spreading message of climate change, biodiversity, energy, water, waste, and pollution through STEAM in different schools. HRDEF GyanTree TED-Ed club and NavUrja Sanchar facilities are helping students and youth towards skills development. We impart computer training to underserved women and children to empower them with technology so that they understand present system and be part of it. Under this program, we are teaching them at their places, home for effective learning besides teaching students at our facility. Acquaint stakeholders about their rights; inform them about SDG and techniques to improve their understanding of local issues. We also ask business to actively address environmental risks and opportunities, and have efforts underway with business in the areas of climate, water and food; focus on social dimension of corporate sustainability mainly women's empowerment, children, indigenous peoples, people with special needs through education and in implementing the SDGs.

Publications:

Published online Article in VIPNET Curiosity magazine on Spices in Nov., 2020

Published a Blog: <https://www.edfords.org/post/reimagining-education-for-sdg-4-7-and-sustainable-future>

An Analytical Report on Sustainable School, DRR, and 21st Century Skills Development Innovations submitted to Samagra Shiksha, Govt. of Uttarakhand, Aug., 2020 [as part of a MOU]

Climate Action for Sustainable Development by Youth, during Nav Bharat Nirman, India International Science Festival (IISF), Nov., 2019 Kolkata

Decade of Action, SDGs and Building Sustainability through Educational Games, and Hands-on Activities at **United Nations High Level Political Forum Side Event** on 14th July, 2021

Educational Games, Hands-on Activities for SDGs and Sustainability Booth at the **World Conference on Education for Sustainable Development, Berlin** from 17-19 May, 2021

Earth Day online events, 2021

More than 300 students participated in different events such as Quiz, Painting, and Essay on Climate Action

Mobile App Development Course (Jan., 2021 - April 2021) @GGIC Lakhibagh, GGIC Rajpur Road

Online workshops/webinars 2020-2021

More than 80 girls participated in the course and learn about coding and App development.

23-1-2021

Designathon: a design event for young kids on renewable energy to model, create and learn

Supported COVID-19 Awareness building and other activities but lockdown effected normal activities

TEDxHDREF on 11th Oct., 2020 with 24 Hrs of Reality

Global Goals Jam in Sep., 2020

15 Aug., 2020

Interaction with Columbia University community on ESD

Earth Day online events, 2020

1-7 Mar., 2020

One week camp at Mangla Devi Inter College

16-2-2020

Workshop at Govt. Inter College, Gujrada in which more than 150 students attended workshop on climate action, DRR, and sustainability.

Measurement of Outcomes

The Programs, projects, events, and actions taken by HaritaDhara Research Development and Education Foundation are mentioned in our actions where through capacity building programs, trainings, workshops, lectures to school students, youth, teachers, professionals, and community members created awareness on Sustainable Development Goals (SDGs), Climate Change, STEAM, Disasters Risk Reduction, corporate social responsibility, and principles of the UN Global Compact.

Advancing and promoting UN Global Compact principles among our collaborators and stakeholders focusing sustainability and in implementing the SDGs through education.

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