



ANNUAL REPORT

2020-2021

www.relearnfoundation.in

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1.0 INTRODUCTION

Relearn Foundation (RELF) is a non-profit organization based in Jharkhand working in the domains of Education, Environment, and Empowerment. We are engaged in providing quality education to underprivileged students. Through our work we have substantially reduced school dropout and absenteeism. We involve the community to bring awareness regarding the environment and together we work to build a sustainable society. Skill based learning and innovation are promoted for empowering citizens focusing women and girls' students.

Our organization engages tutors, students, home makers, and professionals who enthusiastically work to ensure that students get quality education through innovative teaching methods. Students are encouraged to be curious and innovative and the organization promotes “Learning by Doing” for creating curiosity-led learning rather than rote learning.

RELF started its journey way back in 2010 with three students in the home of the founder and gradually spread its wings to 19 Community Schools around Jharkhand, and West Bengal as part of what is now known as Digital Literacy Mission (DLM).

Growing inequality, lack of opportunity and the recent pandemic has forced many children out of schools. They are forced to work in menial jobs to support their families. Young minds coming from underprivileged backgrounds barely experience the joys of childhood. Through the space of these community classrooms they are given a space of learning through games and fun. The foundation adopts the social entrepreneurship concepts in training and promoting entrepreneurship amongst women by utilizing household wastes to produce recycled products which are aesthetically pleasing at the same time would reduce the amount of waste created. Green Garbage Bags, Biodegradable Conference Kits, Paper Pens and Compost Pots are examples of some of the products developed by the foundation.

RELF is closely associated with scientists and technologists. Hence members of the foundation ideated machines and systems which can be manufactured for establishing business ventures for creation of job opportunities. Paper Creasing Machines and Auto Irrigation System are novel products developed by the foundation.

It is through education that our organization works to develop young minds to become strong, capable and innovative. Learned minds contribute to community wealth and quality of general practices of community wealth. Further education helps the population to become empathetic and kind. Our work is possible because of the kindness and empathy of our generous donors, members and project sponsors.

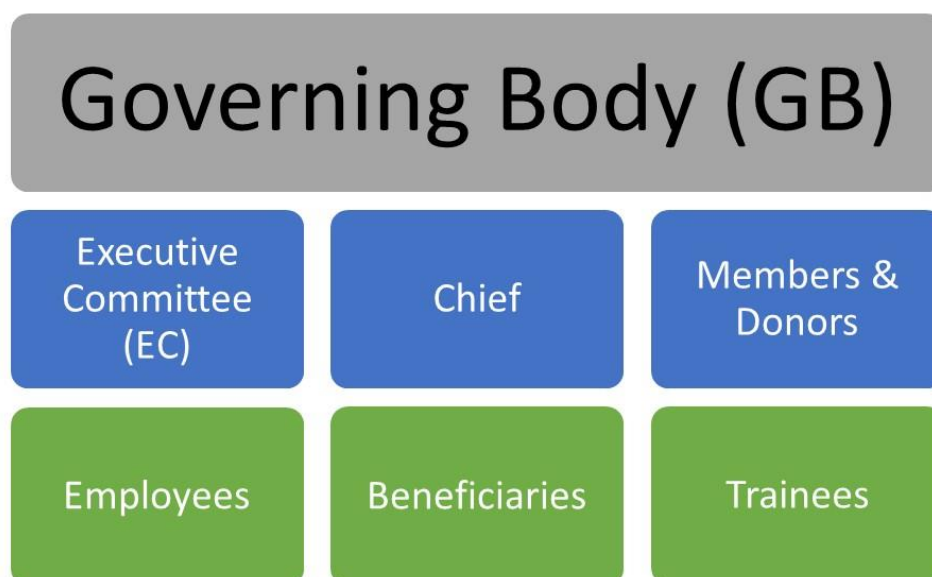
Vision

To build creative, capable, and empathetic young minds by creating a network of community classrooms. Digital literacy along with skill-based learning is envisioned for creating an inclusive and sustainable society by supporting the economic participation of women and disadvantaged people.

Mission

To create a network of community classrooms for offering free and low-cost skill-based education and training to one lac underprivileged students, women, and disadvantaged people.

Organizational Structure



2.0 KEY FUNCTIONARIES

Governing Body of Relearn Foundation

Prof. Prabal Kumar Sen, Founder trustee	Chairman
Prof Sourav Pal	Co-Chairman
Mr. Aparup Sengupta	Co-Chairman
Dr. Mita Tarafder, Founder trustee	Convenor

Members

Dr. Aniket Kumar Dutt	Mr Swapan Kumar Chatterjee
Mr. Bipul Chakravarty	Ms. Laksmi Kundu
Ms. Rini Tarafder, Founder trustee	Mr. Binil Jacob
Mrs. Sharmistha Chatterjee	Dr Smruti Patre
Dr. Sanghita Mridha	Ms Lakshmi Edakuni
Dr. P K Chatterjee	Ms Baishali Chattopadhyay

Executive Committee of Relearn Foundation 2020-2022

Dr. Mita Tarafder	Chief
Dr. Sanghita Mridha	Secretary
Ms Suchismita Soren	Joint Secretary
Dr. Aniket Kumar Dutt	Treasurer
Ms Twinkle Kauntia	Joint Treasurer

Members

Binil Jacob	Aparna Singh	Madhumita Banarjee
Madhumita Basu	Mukta Ray	Palak Kaur
Deepak Dhibar	K Annapurna	Sneha Kumari
Pritha Dhali	Swati Chatterjee	Mahesh Pramanik
Manoti Kumari	Sneh Mukhi	Pushpa Soren
Saro Jos	Indu Mahato	Pallabi Das

3.0 MESSAGES FROM GOVERNING BODY MEMBERS

Chairman's Message

Prabal Kumar Sen

Chairman, Relearn Foundation
Founder Chairperson, Entrepreneurship Development Centre
Former Professor of Economics, XLRI, Jamshedpur



“

Relearn Foundation, a Trust established in 2015, for promoting and practicing social entrepreneurial activities. The organization was formed by the initiative of my student, Dr. Mita Tarafder, after she completed her study on Entrepreneurship Management from Entrepreneurship Development Centre of XLRI, Jamshedpur.

Any social entrepreneurial organization has three main components: Fund distribution, Fund Generation and Wealth Creation. Relearn Foundation has all these three attributes. Digital Literacy Mission, Roadside Classrooms and women entrepreneurship development are the three main programs through which the fund is distributed by employing tutors and product manufacturers. By innovating and creating a market for green products like Green Garbage Bags, paper bags, seed pens, kitchen waste compost, gift plants, leaf plates, etc., the organization generates funds. These activities are performed for creating earning opportunities for men and women facing financial difficulties.

I am happy to highlight that the Relearn foundation conducted training for generating rural entrepreneurship in association with National Research Development Corporation (NRDC) for technology intervention and manufacturing utilizing raw materials available in rural areas of Jharkhand and West Bengal.

Creation of wealth by skilling and re-skilling ultra-poor, women and marginalized communities has been the core activities of Relearn Foundation.

The Trust would endeavor to create value for the society by building an egalitarian, transparent and sustainable organization.

Chief Executive's Message:

Dr. Mita Tarafder
Chief, Relearn Foundation
Chief Scientist CSIR-NML



“

Creating opportunities for marginalized people has been the chief objective of the Relearn Foundation (RELF). Giving quality education to the children of the marginalized people is, therefore, the core activity of RELF. Since its inception, RELF has been establishing a network of classrooms under Digital Literacy Mission (DLM) and offering hands-on training on making innovative electronics applications under "Make my Robo" programs for school students. Further, in recognition of the inter-linkages between sustainable wellbeing of humankind and nature, RELF promotes a green environment by instilling a respectful and nurturing attitude towards the natural ecosystem. Our organization focuses on the issue of proper waste management and addresses the issues of community hygiene and improving the community standard of living.

RELF works to raise awareness training on "No single use plastics" and to innovate alternative ecofriendly products like "Green Garbage Bags" and "Biodegradable banners." These innovative products create opportunities for establishing small business ventures for marginalized people. And creates avenues for recycling and upcycling of waste thereby ensuring efficient use of resources and minimising wastage.

RELF creates common facilitation centres for manufacturing ecofriendly products by utilizing raw materials available in rural areas of Jharkhand and West Bengal. Installation of machines and training on various tools and techniques is offered for creating livelihood opportunities for underprivileged communities.

I thankfully acknowledge support and patronage of all members of RELF including tutors, facilitators and volunteers for participating in programs and implementing projects for creating a synergistic community where we support and inspire each other in latitudinal ways.

Mita Tarafder

Governing Body Member's Message

“

Dr. Aparup Sengupta
Founder and Chairman
AAJ GLOBAL FOUNDATION



Relearn Foundation is engaged for the last five years in making people who are socially and economically challenged to “Learn by Doing”.

We at AAJ Global Foundation have been working with them in supporting this noble cause. What stands out is their passion for making a difference, by creating innovative products, creating processes for engaging volunteers in teaching people in their neighborhoods who would have otherwise been left out in their aspirations to grow and make their lives meaningful. We are indeed very happy with Dr Mita Tarafdar and her team's unquenchable thirst in making this idea of imparting Learning and Creating an actionable purpose for changing lives. We are very proud to be associated with them.

Partner's Message

CGMP Projects Pvt. Ltd.

(Engineering and Construction of HVAC & MEP Works)

Regd. office: #C-449, 2nd Floor, Sector -10, NOIDA – 201301, UP

CIN: U74900UP2014PTC064256



Dated: 26th July, 2020

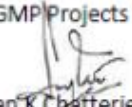
It is indeed a pleasure to get associated with RELEARN FOUNDATION (RELF) which has been involved in various social activities in rural areas and others.

Relearn Foundation successfully executed two projects in Nepal "Auto Controlling System of Watering for Agriculture" using solenoid valves and inhouse developed controller. This unique system has potential to optimize requirement of water for agriculture, at very low cost, particularly in dry areas viz, Purulia.

Green Garbage Bag (GGB) using old newspaper is picking up quite fast. Community training at various places including Noida, has seen success with dual purpose of generating income for poor as well as elimination of single use plastic bags.

We wish them wider domain of social activities in days ahead.

For CGMP Projects Pvt Ltd


Swapan K Chatterjee
Director

4.0 KEY PERFORMANCE INDICATORS (KPI)

Key performance indicators highlight the organizational target and achievement. There are 8 KPIs identified. The KPIs for FY 2020-21 and the target KPIs for FY 21-22 are given below:

No	KPI	Target (2020-2021)	Achieved (2020-2021)	Target (2021-2022)
1.	No. of students	400	390	500
2.	No. of tutors	35	21	30
3.	No of classrooms	35	19	35
4.	No. of students passed class X	20	4	5
5.	No. of persons trained	120	81	100
6.	No of Members	100	107	120
7.	No of projects (CSR and Government)	2	0	2
8.	No. of entrepreneurs created	5	1	4
9.	Annual Revenue, Rs in Lakhs	15	7.9	15
10.	Annual Expenditure, Rs in Lakhs	15	7.3	15

Due to the outbreak of Covid 19 pandemic from April 2020, our organization faced many challenges particularly with running community classrooms. Despite that, we managed to continue and grow the quality of our learning platforms and conducted programs with the tutors to help them make the best use of digital devices.

Most of our tutors come from underprivileged backgrounds, due to the pandemic, they suffered health wise and financially. We continued paying the tutors during the lockdown. Hopefully in the years to come with help from our donors, they will be able to sustain the pandemic challenges.

5.0 ACTIVITIES AND PROJECTS IMPLEMENTATION

In financial year 2020-21, RELF has performed activities and implemented projects in the areas of Education, Environment and Empowerment which are presented in Annexure 1, Annexure 2 and Annexure 3 respectively.

In addition, the organization takes up S&T based product development which are reported in the Annexure 4.

A workshop-cum-training program titled “Entrepreneurship development program on utilization of paper waste for rural entrepreneurship development” was organized by the foundation with National Research Development Corporation (NRDC), New Delhi during January 23, 2020 to February 03, 2020 at Purulia, West Bengal. In continuation of this project, activities were performed in the FY 2020-21 too. The emphasis was to market the products. We were unable to continue the work due to the outbreak of Covid 19 pandemic.

RELF takes up activities in projectized mode. The ongoing and completed projects are reported below:

Projects/Activity	Sponsored by	Year	Fund (in Lakhs)	Place	Status	Target Group / Beneficiary
Digital Literacy Mission (DLM)	Aaj Foundation and Individual donors	Since 2011	3.5	Jharkhand, West Bengal, Orissa	On-going	Financially disadvantaged students below STD X
Women entrepreneurship development	Relearn Foundation	2017	-	Jamshedpur	Ongoing	Unemployed women
Innovative S&T product development for entrepreneurship development	Relearn Foundation	2015	-	Jamshedpur	Ongoing	Grass root innovators
Production and marketing of paper and leaf plates	NRDC	2020	3.5	Bhutam, Purulia, West Bengal	Ongoing	Rural unemployed youths

Completed projects

Projects/Activity	Sponsored by	Year	Fund (in Lakhs)	Place	Status	Target Group / Beneficiary
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Entrepreneurship development program on utilization of paper waste	NRDC	2020	3.5	Bhutam, Purulia, West Bengal	Completed	Rural unemployed youths
Skill training on total waste management for rural entrepreneurship development	NRDC	2018	3.2	Tentla Village, Jharkhand	Completed	Rural unemployed youths
Sanitation awareness programme for school students "Swachhta hi Kevalam"	HPCL	2018	7.667	Jamshedpur, Jharkhand	Completed	School students, local youths
Women Entrepreneurship Development through skill training on semi-automatic paper creasing machine for production of eco-friendly bags for replacing plastic bags	FOSET, Kolkata and NRDC	2017	3.54	Jamshedpur, Jharkhand	Completed	Rural women of Jharkhand
Kolkata Roadside Classroom (KRC)"	Individual donors	2017	0.5	Gariahat (WB)	Discontinued in 2019 due to eviction	Street kids and their family members
Empowerment of Women through Training on Digitization (EWTD-2015)	IIM, Jamshedpur Chapter	2015	0.75	Jamshedpur	Completed	• Women from local colleges • Unemployed women

6.0 ACHIEVEMENTS & CHALLENGES

Achievements

The foundation, initiated as a humble effort in 2015 have started reaping benefits by spreading its wings and roots to enable education and environmental consciousness while also empowering people. While the efforts continue to create impact in fields of Education and Environment, pandemic has put forth a lot of challenges and members of this foundation have made efforts to help using Help4U initiation during this Pandemic Year. During these challenging times, efforts have been made to supply daily essentials, spread awareness regarding Covid-19 preventive measures, and create means of livelihood among communities. Some of the Key achievements for the year have been highlighted below

Help4U

Covid-19 Awareness, Supplying groceries and food packets essentials to various communities in state and country. Creating opportunities for livelihood in the community.

Online Upskilling

Basic skill development on Electronics, Programming language was organized for students stuck at home.

Entrepreneurs

The education and environmental initiatives of the foundation in the past have paved the path for women entrepreneurs. The foundation facilitates women in registering their entities for Udyog Aadhar Number with the Ministry of Micro, Small & Medium Enterprises, Government of India.

Following persons have registered and received Udyog Aadhar Number till 2019

Name	Enterprise's name	Business
Madhumita Banarjee	Green organics	Organic food supply
Ananya Sarkar	Green route	Green products
Sneha Kumari	Scrap House of Art & Creation	Creative products
Nilam	Nilam Enterprise	Gift items

Due to the outbreak of pandemic from March 2020, it was not possible to register new business during the FY 2020-21.

Challenges

Our biggest challenge during the pandemic was to ensure that our students and teachers were healthy. All our community classrooms were closed. Since many of our students come from families of migrant laborers it was particularly difficult for them to continue education. However we formulated different avenues to address the problems we faced, one such platform was Help4U. It was essential to address the many issues which the organization faced. The Pandemic incurred new necessities like masks which

became an opportunity for women to earn and support their families. Although this year has been challenging, we hope to continue creating impact and changing lives for better.

7.0 COLLABORATIONS

Our Foundation thrives on the passionate support of its trustees, members, volunteers and organizations. Our work in the foundation is possible only through the collaborative support of everyone collectively. Some of the key collaborators are

 Jamshedpur Women's College	 National Research Development Corporation	 Hindustan Petroleum Corporation Limited
 Arka Jain University	 AAJ Foundation	 Center for World Solidarity

We are sincerely grateful to our collaborators without whom this work would not be possible.

8.0 CELEBRATIONS OF FOUNDATION DAY

Relearn Foundation was registered as an NGO on 10th February, 2015. The 7th Foundation day celebrations program of the Relearn Foundation was held online via Live Youtube Broadcast link on 10th February, 2021 with all our members, supporters and collaborators amid pandemic following Govt. regulations.



e-Invitation card of the 7th Foundation Day program of Relearn Foundation held on 10th February 2021

A two-hour virtual program was arranged at 6.30 pm to celebrate the 7th foundation day based on a theme “Greenovation”. Relearn Foundation initiated “Greenovation Challenge” in the month of January, 2021 to curb use of plastic bags for household waste disposal and to promote use of biodegradable Green Garbage Bags (GGBs). Interested working professionals and students were invited to redesign the GGBs to make them aesthetically appealing and the best three entries were acknowledged and rewarded.

The program started in the evening with a session on music therapy by Dr. Anindita Chakraborty. She explained the importance of music in treating some disorders with video demonstrations. According to her, music therapy is a 10-stage process and can be implemented as a participative therapy. She received high appreciation for this wonderful and participative session.

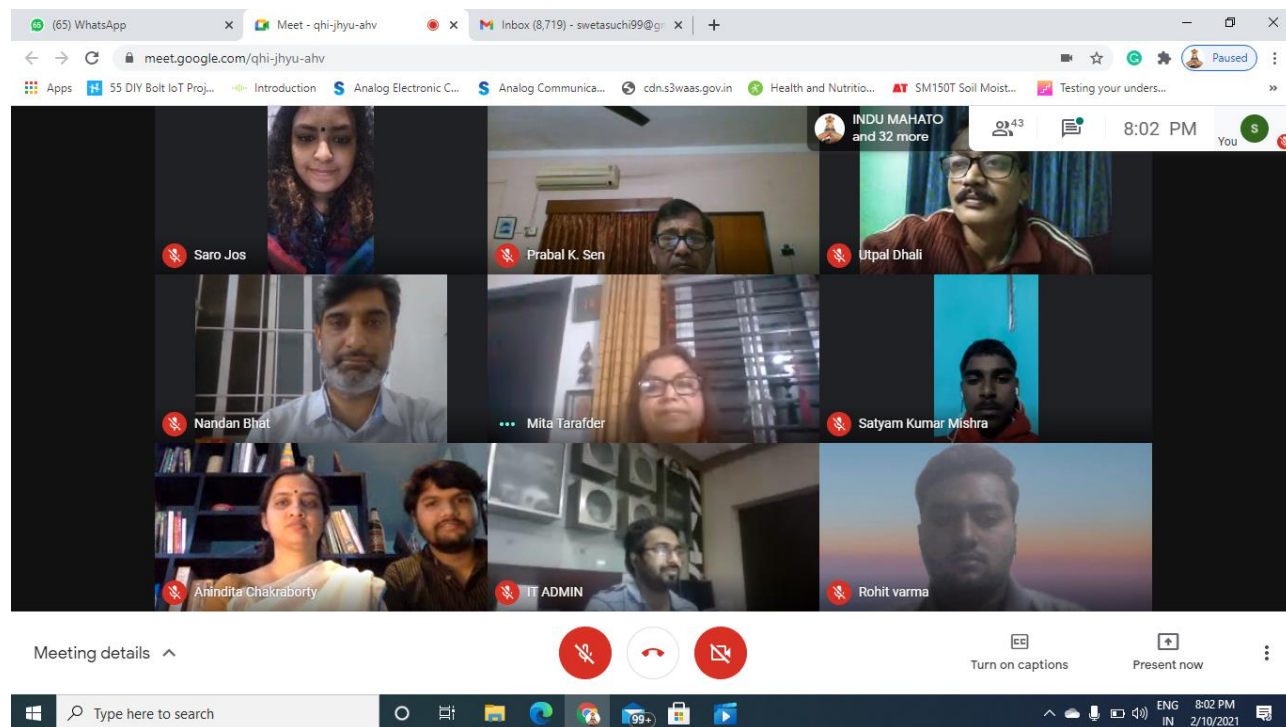
Inaugural address was delivered by Prof. Prabal Kumar Sen, Chairman of Relearn Foundation. In his address, Prof. Sen elaborated on various societal activities the foundation has undertaken like classrooms for underprivileged students, innovation of environment friendly products, skill development for rural livelihood generation, etc. He appreciated Dr. Mita Tarafder for taking the initiatives and being the main driving force behind all accomplishments.

This was then followed by a presentation by Dr. Mita Tarafder, Chief of Relearn Foundation, on “Digital Classrooms”. She talked about the activities and introduced the facilitators of the Digital Literacy Mission (DLM) centres and also explained how the concept of setting up classrooms came up. She expressed her wish to establish digital connection between the underprivileged children with the world outside their reach by providing computers and internet connection in learning centres in near future.

One of the main attractions of the evening program was an Entrepreneur’s Talk delivered by Mr. Nandan Bhat of the start-up venture EcoKaari. It is a social enterprise founded by Mr. Bhat at Pune, Maharashtra

to upcycle waste plastic into beautiful handcrafted fabrics using Charkha and Handloom. The technology is energy free as all the work is done manually using simple tools.

This was followed by announcement of the names of the prize winners of Greenovation Challenge and Learning Electronics @Home programs. Mrs. Sumita Som was the winner in the working professional category for Greenovation Challenge. Ariana Ganguly and Komal Kumari were the winner and runner up in the Students Category for Greenovation Challenge. Mr. Satyam Kumar Mishra was awarded as the winner for Learning Electronics @Home. The winners were given an amount of Rs 500 each and the runner up was given an amount of Rs 300 as reward.



Annexure 1: EDUCATION

A1.1 Digital Literacy Mission

Our foundation began with the mission to bridge the gap of digital literacy. However upon starting our work we quickly realized that we are lacking in our standard of basic education. Hence our founder Dr. Mita Tarafder started the first community classroom which was meant for the urban poor in her own home. After sometime some samaritans of the community started to take an interest in these learning activities. Now there are 19 community classrooms spread out in Jamshedpur, Purulia and Falta West Bengal. Through these classrooms students are given quality education through fun and games. They are taught in a way that would make them take interest in learning. Through our work we ensure that young minds with great potential have access to quality education and opportunities to complete class 10 at least.

This was the first step in the sector of education as one of the ways by which the foundation could create capabilities and therefore an alternative for betterment for the deprived sections of society.

In the area of Education, the foundation aims for

- Creating free community-based classrooms for disadvantaged population
- With more people having access to quality education the standard of living in a community becomes better as more people are empathetic, cooperative and kind to one another.
- There is an enhancement of creative thinking which opens up new opportunities for people and community.

What started with three students in 2010 has become a sustained journey and currently spans to over 19 community schools.

In FY 2020-21 the cluster-based classrooms held under DLM stands at 19 centers across the country. Currently the centers are in Jharkhand, West Bengal and Odisha.

The centers are being supported by the Relearn Foundation primarily through donations and grants. However, in recent years, some funds are also generated through sale of eco-friendly products from other initiatives of the foundation and services offered like skill-training.

At present there are about 294 students who receive free books, note-books, mobile phones for online classes, uniforms, sweaters, shoes, and medical facilities in the community schools. Weekend activity classes on yoga, performing arts, gardening, are organized at community centers for the overall development of the students.

Through this initiative the foundation has endeavored to reduce school dropouts, absenteeism and inculcate an attitude of scholarship in students, encouraging their curiosity and helping them feel confident.

Our work as an organization is possible due to the generous donations from our members and donors. It shows that kindness and empathy helps to nurture growth and enrichment in the community. Given below are the pictures of the children and their tutors whose lives are improving due to the kindness our members and donors have shown.



Center Name: Falta Basbadi center
Tutor: Sahina Bibi
No of students:10



Center Name: Chandpala Falta center
Tutor: Borna Karmakar
No of students:11



Center Name: Falta Sahara center
Tutor: Rangila Bibi
No of students: 8



Center Name: Falta Chandpala
Tutor: Debashree Mistri
No. of students: 19



Center Name: Falta Chandpala
Tutor: Joyshree Mistri
No of students: 12



Center Name: Bagunhatu Jamshedpur
Tutor: Geeta Sahu
No. of students: 24



Center Name: Falta Basbadi
Tutor: Sanufa Khatun Mir
No. of students: 10



Center name: Kadma, Jamshedpur
Tutor: Priya Kr Sahu
No. of students: 11



Center Name: Sonari, Jamshedpur
Tutor: Gudiya
No. of students: 12



Center Name: Bhutam, Pucha, Purulia
Tutor: Tapan and Shantana Mahato and
Fulandebi Sabar
No. of students: 63



Center Name: Burijhor Banduwan
Tutor: Debilal Singh
No. of students: 32



Center name: Rugrughutu, Baghmundi
Tutor: Faguram Murmu
No. of students: 63



Center name: Falta Basbadi
Tutor: Reshma Bibi
No. of students: 10



Center name: Madhyamgram
Tutor: Rita Lahiri
No. of students: 8



Center name: Vijaya Garden, Baridih
Tutor: Chandni Kumari
No. of students: 5



Center Name: Uparsole Purulia
Tutor: Rashmoni Murmu
No. of students: 38



Center name: Chandanpur, Purulia
Tutor: Tripti Banerjee
No. of students: 32



Center Name: Rajakata, Purulia
Tutor: Pushpa Murmu
No. of students: 32

A1.2 Online Skill-based Training

Due to the Pandemic many of these classrooms could not function specially in 2020-2021. In 2021 they slowly started again with precautions like social distancing and masks. Also by teaching students in smaller batches the risk of infection was reduced. However during this time our organization focused on teaching students about engineering since the resources for teaching the same are more available to us. We conducted online programs like **Electronics@Home**, enabling children at home to get basic understanding and hands-on experience of basic electronics skills sets. This was conducted at a nominal cost. We also held tutors meet to train and upskill tutors since they were the only people with smartphones. They were taught to use **Google meet, Microsoft Teams**. Manage a database for their centers. This was undertaken free of cost. To make children abreast with the latest programming skills, an **online workshop on Python Programming** was organized at a nominal cost for the children at home.



Flyer of the online training Electronics@Home



Flyer of the online training on Python Programming

Learning Electronics @Home

Organized by

Relearn Foundation, Jamshedpur- 831002

19 Sept 2020 to 20 Sept 2020

Program Schedule**Day 1**

Date	Time	Sessions	Speakers
19/09/2020	16:30	Video show	Ms Swati Chatterjee
	16:45	Address by Chairman, Relearn Foundation	Prof P K Sen, Former professor, XLRI
	17:00	Learning Electronics@Home	Mr Arabindu Basu, CEO, and Ms Sumana Eduplex
	17:30	Basic Electronics concept	Dr Aniket Dutt
	17:50	Electronics components and items in your kit	Ms Indu Mahato
	18:10	Tools for electronics work and safety	Ms S Soren
	18:30	Software for drawing circuit diagrams	Mr Binil Jacob
	19:00	QA session	Dr Mita Tarafder
	19:15	1 st Day session ends	

Day 2

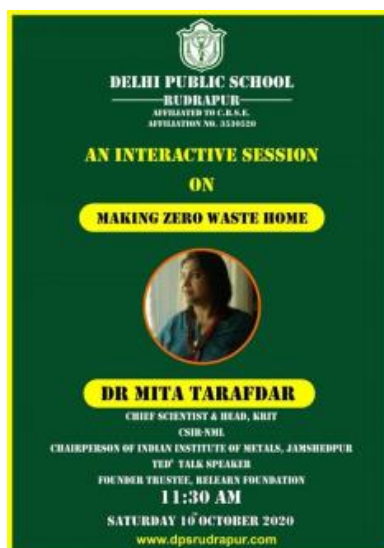
Date	Time	Sessions	Speakers
20/09/2020	16:45	Revision of the last class and items in your kit	Ms Indu Mahato
	17:00	Logic gates, Circuits and hands on	Dr Mita Tarafder
	17:30	Hands on OR Gate, NOT Gate and AND gate	Mr Asit Dey & Ms Pushpa Surin
	18:30	LDR circuit	Mr Deepak Dhibar & Ms Indu Mahato
	19:00	QA session and assignment	Dr Mita Tarafder
	19:15	Vote of thanks and announcement about e-certificate distribution	Dr Sanghita Mridha

Annexure 2: ENVIRONMENT

A2.1 Environmental Awareness Campaigns

Our organization has always been sensitive to understanding waste and how to reduce, recycle, upcycle and reuse it. In the year 2020-2021, recycling workshops were organized in schools via the online platforms. Campaigns were conducted to understand our waste and thereby to reduce it. We talked about the usefulness of plastics as well as how to properly dispose of them so the damage they cause is reduced. More importantly we talked about the alternatives of plastics such as paper, cloth. Our work included online campaigns in schools and in various organizations to create awareness and opportunity to learn and spread the message about ill effects of plastics and how to support responsible recycling of non-biodegradable and biodegradable waste. We conducted talks which called for active participation in popularizing and distributing eco-friendly Green Garbage Bags (GGB) which are produced by local women who are in need of employment and means to sustain themselves and their families. Proceeds from sale of GGB bags are being used for supporting education for underprivileged students associated with the DLM classrooms of Relearn Foundation. Plastic is one such material on whose surface Covid-19 virus can last for a longer time than paper, so we encouraged people to use Green garbage bags to dispose of organic waste. And minimize the use of plastics.

The Greenovation Challenge



The Greenovation Challenge was organized amongst all age groups to create awareness and harness ideas to curb the plastic pollution and to encourage paper bags as a viable alternative to single use plastic bags. Another workshop and an interactive session was organized by Dr. Mita Tarafder in collaboration with DPS Rudrapur on “Making Zero Waste Home”, mainly intended to create awareness on; 1. Converting biodegradable waste to compost; 2. Give/collect and dispose of non-biodegradable waste to recyclers; 3. Identifying the type of wastes.

A2.2 COVID-19 Response

HELP4U during onset of Covid-19

As Covid 19 response, RELF took up several welfare activities like food distribution, senior citizen care, mask production, cardboard bed making, etc. Through Help4U whatsapp group, RELF extended facilities in Jamshedpur, Kolkata, Ranchi, Mumbai and many other cities. Some of the key activities are described below:

- In the initial stages of the pandemic there was a shortage of masks. Our organization recognized this shortcoming and created opportunities for women in distress by providing a platform for teaching them how to make 3-4 layer masks and procuring them at a nominal price to create livelihood for the women.
- Our organization collaborated with Bodhoday and Bardhaman Food Club for arranging a supply of daily groceries to poor villagers of West Midnapore. It was distributed by foundation member, 3rd year medical student, Sourav Dandapat.
- In March 2020, Amid Covid-19 pandemic, the foundation took prompt action for offering selfless service to senior citizens, migrant laborers, and women in distress during the onset of COVID-19. The foundation worked via the platform HELP4U. Many volunteers joined the platform to help each other in times of need. This platform worked across classes.
- Distributing groceries to daily wage workers supported by Help4U initiative of Relearn Foundation.
- Promoting the easily assembled cardboard beds for hospitals to combat Covid-19 and help generate income among unemployed youth during pandemic.
- Through the online volunteering campaigns for helping senior citizens and underprivileged citizens and running awareness campaigns surrounding the coronavirus precautions among the community.
- Collaborated with Hotel Jiva in supplying 200 packets of food for 6 days. The distribution and delivery of the food packets through Help4U initiative of Relearn Foundation. The distribution was done near MGM Hospital Area.
- With the support of the Indo Danish Tool Room, 50 packets of food grains were distributed through the Help4U initiative of the Relearn Foundation. These packets were distributed in Burmamines area with the help of local administration.

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Homemade cloth masks



Food packets distributions



Senior citizens care



Safety during food packets distribution



Food packets distributions



Cardboard cot



Food packets distribution at Mercy Hospital



Delivery of food packets

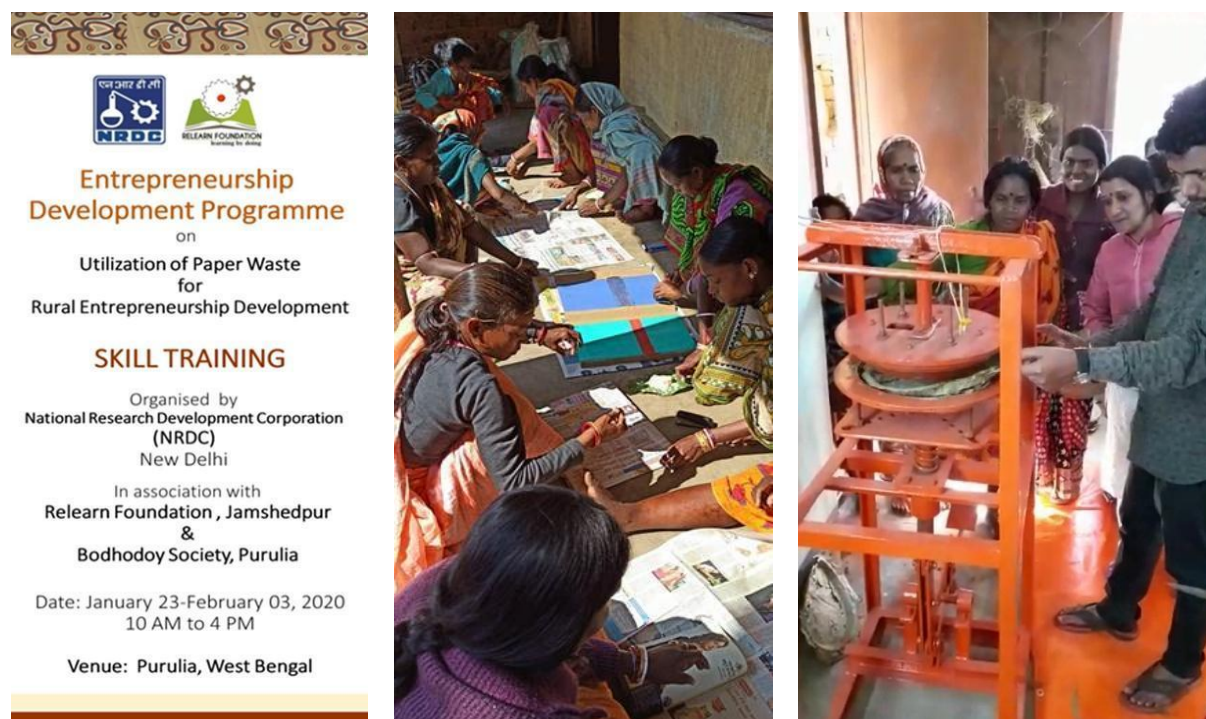
Annexure 3: EMPOWERMENT

A3.1 Rural Entrepreneurship Skill Training with NRDC

A workshop-cum-training program titled “Entrepreneurship development program on utilization of paper waste for rural entrepreneurship development” was organized by the foundation with National Research Development Corporation (NRDC), New Delhi during January 23, 2020 to February 03, 2020 at Purulia, West Bengal.

A total of 36 men and women of the village, mostly from Sabar community, participated in the program. The objective of the program was to create awareness about the harmful effects of single use plastics on the environment and ways to make and use eco-friendly substitutes. Hand-on trainings were delivered on using recycled paper to make low-cost biodegradable green bags and Sal leaf plates. Apart from serving daily use, these skills could be used in the micro entrepreneurial ventures by the villagers. A facility centre with Sal leaf plate making machine and sewing machine were installed prior to the workshop.

Many of the participants were able to secure orders from local customers, produce and sell the Sal leaf plates and bowls to generate income post the workshop. In the FY 20-21, we intervened to get orders. However, due to the Covid 19 pandemic, the production was stalled.



Rural entrepreneurship skill training in collaboration with NRDC



Training on Paper bag making at Bhutam, Purulia

A3.2 Girls Hostel

Just before the onset of lockdown during the Covid 19 pandemic, we were approached by two girls (Chandni Yadav and Shivani Yadav) from difficult backgrounds to provide a facility where they may stay and continue their education under proper tutors and mentors. They were students of DLM centres and both the girls were good in study. The family of Chandni & Shivani wanted them to stop their education and wanted them to get married.

The EC members of RELF proposed to start a Girls Hostel (GH) to support these two girls by providing them boarding and lodging. In addition, they were offered coaching and counseling by their mentors. Shivani, who passed class X in first division, was admitted to an English medium school for Higher Secondary education. Chandni, who was appearing for the HS board examination (Science) was trained in all subjects.

Our sponsors provide the means for their education and enable them to get quality education. The GH facility is created as a model which is planned to be replicated in future. The GH will ensure that the girls trained under DLM classrooms can continue their education after passing secondary examination. They are offered various skills like Computer, Data Management, Senior Citizen Care, Self-Caring, Gardening, Stitching, Cooking, Finance management, Teaching, etc. which will help them to grow as confident and empowered women in future.



Birthday celebrations of Chandni with her sister Shivani and Pinky



Students of DLM, Purulia with Chandni

Annexure 4: INNOVATION

A4.1 Eco-friendly Products & Services

Human beings are part of what we understand as nature just as much as trees and plants and animals. Therefore, our choice of consumption makes a difference in the ecosystem we live in. Education, empowerment of indigenous communities through social entrepreneurship benefits the ecosystem the same way planting trees might. This is because education, empowered minds are conscious and mindful decision makers who are committed to changing for betterment of themselves and thereby the ecosystem. RELF enables this process through creating avenues of awareness campaigns and creating opportunities for women to develop entrepreneurship ventures that gives people eco-friendly choices for consumption. Below are some examples for such eco-friendly alternatives.

Green Garbage Bags

Plastic has become a necessity in our everyday life despite the ecological prices we incur as a community due to its usage. However it is never too late to make a small change in our lives to live more consciously in this ecosystem. One such change can be to use our Green garbage bag to throw biodegradable waste. There are much more efficient plastic garbage bags which are cheaper and can hold more garbage. But it comes with a price. That price is borne by our ecosystem in the shape of plastics choking our drainage system. Destroying the balance of the ecosystem. This money which we saved buying plastic garbage bags is borne by society at large when we cannot get to our office on time because of waterlogging or people unable to get to hospital on time because of waterlogging. In an effort to reduce such prices the women of our foundation came up with the **green garbage bag (GGB)**. The GGB is an indigenously designed, biodegradable alternative aimed at minimizing the use of plastic garbage bags and thereby reducing its harmful consequences.

The GGBS are made by beneficiaries of the foundation and while promoting to reduce usage of plastic it also provides livelihood opportunities to the beneficiaries of the foundation. The money spent on buying this goes to support and empower women entrepreneurs and thereby reducing gender gap in our society. There is a collective enrichment of society. This enrichment is cumulative; it is visible generationally.



Green Garbage Bag for disposal of biodegradable waste	Green Garbage Bag being made by local women
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Paper products

Another such eco-friendly product is Paper pens, coasters and eco-friendly banners, folders made from recycled paper, cloth. These products are aesthetically pleasing, unique and also provide livelihood opportunities to the beneficiaries of the foundation who are engaged in making such products. By investing in these products we are supporting women entrepreneurs to grow in our society. This mobile cover is another such product which has been made by the beneficiary of our foundation. Our foundation hopes to support more such creative women to become independent, empowered citizens.



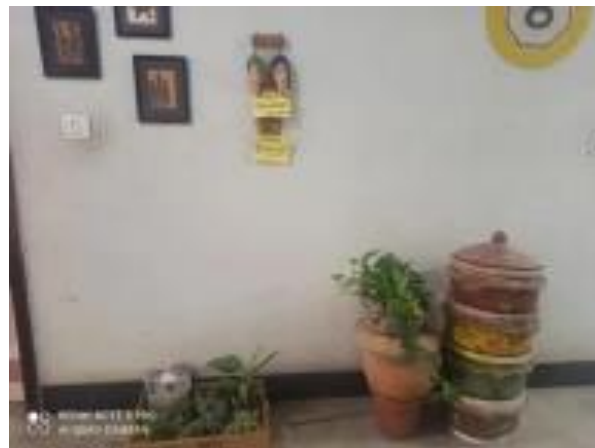
Paper pens



Paper coasters

Gift a Plant

During the Pandemic we noticed many people were having issues of mental health. Nurturing and caring for plants is a useful way to increase happy hormones in the body as a result people recover faster. Thus we started giving plants to people and started a community of gardeners. Our children at the Foundation started its own community garden where we grow organic vegetables. This cultivates in people the consciousness of being part of the ecosystem. Alongside this, the plants are gifted in aesthetically pleasing pots which were made by members of the Relearn Foundation and the plants are home grown by beneficiaries of the foundation.



A4.2 Electronic Products

The volunteers and members of the foundation also work in the areas of developing electronic prototypes and products having potential to impact the ecosystem in a sustainable manner. Some of such key products developed over the last few years are described here.

Auto Irrigation System

Auto irrigation system (AIS) is developed by the technical team of the foundation for smart farming with an objective to optimize usage of water and reduce wastage. The irrigation is controlled automatically based on the condition of soil moisture measured by IoT based sensors. The overall operation can be visualized using mobile phones or computers. A prototype was installed at Nepal Agricultural Research Council, National Maize Research Program, Rampur, Chitwan, Nepal in 2018.

The prototype includes indigenously made moisture sensors, solenoid valves, filter, control box and an in-house developed compact power supply. The control system is based on a software which allows to pre-set a desired moisture level and controls the irrigation based on this level and actual data from the sensors. The objective of this project is to develop a social entrepreneurship venture in the area of agriculture and offer benefits to the drought prone states like Jharkhand, Orissa, Telangana and other states. To achieve this objective, the foundation has trained rural youths specially young women on manufacturing and use of this of AIS and also ten free installations of AIS in India in the first year.

Salient features of the indigenous moisture sensor based AIS are:

1. A smart solution for agriculture
2. IoT based irrigation system for smart farming
3. Possible to integrate with flood, drip and various other types of controlled irrigation
4. Based on indigenously developed low cost and high-quality moisture sensors
5. Replaces imports of sensors.



Annexure 5: BENEFICIARIES

A5.1 Tutors of Digital Literacy Mission (DLM)

- Total Students: 390
- Tutors: 20
- No of classrooms: 18

Sr No	Tutors attended	Center	State	No. of students	Phone numbers	Centre started on
1	Shantana Mahato	Bhutam	West Bengal	68	9832249145	2019
2	Tapan Mahato				9064063043	2019
3	Fulandebi Sabar				8101690445	2019
4	Tripti Banerjee	Chandanpur	West Bengal	55	9609548304	2019
5	Debilal Singh	Burijhor	West Bengal	40	9735318088	2019
6	Pushpa Murmu	Rajakata	West Bengal	35	9679284210	2019
7	Geeta Sahu	Bagunhatu	West Bengal	24	7903727797	2019
8	Debashree Mistri	Falta Chandpala	West Bengal	19	7797323463	2019
9	Manteshwar Hembram	Purulia Ramghar	West Bengal	17	9064484002	2019
10	Priya Sahu	Kadma	Jharkhand	14	8789455731	2019
11	Joyshree Mistri	Falta Chandpala	West Bengal	12	7318606961	2019
12	Barna Karmakar	Falta Chandpala	West Bengal	11	8317897671	2019
13	Sahina Bibi	Falta Bashbadi	West Bengal	11	9733555429	2019
14	Rangeela Bibi	Falta Sahara	West Bengal	10	8768707939	2019
15	Reshma Bibi	Falta Bashbadi	West Bengal	10	7432079478	2019
16	Sanufa Khatun Mir	Falta Bashbadi	West Bengal	10	7468810144	2019
17	Priyanka Kumari	NML Agrico	Jharkhand	20	8102093488	2019
18	Gudiya	Sonari	Jharkhand	10	6203736537	2019
19	Priti Kumari	Bhuiyari	Jharkhand	10	9905898630	2019
20	Priya Sahu	Kadma	Jharkhand	14	6206886141	2019
				390		

A5.2 List of Training Participants

Electronics @ Home

#	Names	Name Of Schools	Email id
1	Acintya Anand	Kerala Public School, Kadma	rrajiv@hotmail.com
2	Aditya Braganza	Neev Academy	vincent.braganza@gmail.com
3	Aditya Karmakar	Little Flower School	ranitakarmakar1@gmail.com
4	Alok Dubey	Kerala Public School	alokdubey2020@gmail.com
5	Ammar Hussain	Kerala Public School, Mango, Jamshedpur.	ammarhussain20052011@gmail.com
6	Aryan. R. Patel	Kerala Samajam Model School	rakeshpateljsr@gmail.com
7	Debashish Sinha	Kerela Samajam Model School	debasinha4567@gmail.com
8	Dev Jyoti Mahato	Atomic Energy Central School Jadugoda	devjyoti.naruto@gmail.com
9	Eleazer Lalnunmawia	St Pauls Hss, Aizawl	Mahmuni2014@gmail.com
10	Joel Lalbiakkima	Mistic, Mizoram	joellalbiakkima@gmail.com
11	K.Lalhruaikima	English Congregation School	teeralte@gmail.com
12	Kritika Kumari	Kerala Public School, Burmamines	kpsburmamines@yahoo.co.in
13	Kumari Akanksha	Netaji Subhas Institute Of Technology Bihta, Patna	akankshariga8@gmail.com
14	Lawmsangkimi Khawlhing	St. Paul's Higher Secondary School	lskimkimi@gmail.com
15	Lisa Shibu George	Sacred Heart Convent School	elizabeth29may@gmail.com
16	Malsawmsanga	St. Pauls High School	Vanlalmalsawma71@gmail.com
17	Malsawmsangi	St Paul's Higher Secondary	malsawmsangichawngthu@gmail.com
18	Prateek Mohanty	Kerala Public School, Burmamines	kpsburmamines@yahoo.co.in
19	R.Lalnuntluangi	St. Paul's Higher Secondary School	rohlua.r@gmail.com
20	Raaghav Srivastav	Loyola School	richaeight@gmail.com
21	Rahul Kr Singh	Kerala Public School	rahulkr123t@gmail.com
22	Shivani Yadav	AIWC Academy For Excellence	chandinikri2@gmail.com
23	Chandani Yadav	Graduate College	chandinikri2@gmail.com
24	Soumyadeep Mridha	Rajballavpur High School	mridhasam@gmail.com
25	Supriya Soren	Goverment Women's Polytechnic College.	Supriyasoren2000@gmail.com
26	Tc Vanlalmalsawma	Holy Faith English School, Lunglei	sawmteathlacheu21@gmail.com
27	Titus Vanlalpeka	Home Mission School	Mahmuni2014@gmail.com
28	Trivikram Chandra Gorai	Hill Top School	nigitu@gmail.com
29	Vanlalremtlunga	St. Paul's Higher Secondary School	tluangtlunga.572@gmail.com

Python programming

S. No.	Name	Organization	Department / Subject	Course Option
1.	Saurav Suman	Netaji Subhash Institute of Technology, Bihar	Computer Science Engineering	CNC With Machine Learning
2.	Sakshi Suman		Computer Science Engineering	CNC With Machine Learning
3.	Karnesh Kumar Pujendu		Mechanical Engineering	Heart Disease Prediction With Machine Learning
4.	Utkarsh Raj		Civil	CNC With Machine Learning
5.	Anand		Computer Science Engineering	Heart Disease Prediction With Machine Learning
6.	Ankit Sahay		Mechanical Engineering	Joining Techniques With Machine Learning
7.	Karan Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
8.	Priti Kumari		Computer Science Engineering	Heart Disease Prediction With Machine Learning
9.	Keshav Kumar Karn		Mechanical Engineering	CNC With Machine Learning
10.	Divyanka Raj		Computer Science Engineering	Heart Disease Prediction With Machine Learning
11.	Md. Shahid		Computer Science Engineering	Heart Disease Prediction With Machine Learning
12.	Shubham Kumar		Computer Science And Engineering	CNC With Machine Learning
13.	Swadha Kumari		Computer Science Engineering	Heart Disease Prediction With Machine Learning
14.	Neha Kumari		Computer Science Engineering	Joining Techniques With Machine Learning
15.	Ritika Kashyap		Computer Science Engineering	Joining Techniques With Machine Learning
16.	Pawan Kumar		Computer Science Engineering	CNC With Machine Learning
17.	Rishabh Raj Chauhan		Computer Science Engineering	Refrigeration And Air Conditioning With Machine Learning

18.	Vikash Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
19.	Ankit Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
20.	Shivangi Srivastava		Computer Science Engineering	Heart Disease Prediction With Machine Learning
21.	Roushan Raj		Computer Science Engineering	Heart Disease Prediction With Machine Learning
22.	Tushar Anand		Computer Science Engineering	Joining Techniques With Machine Learning
23.	Kumar Ayush		Computer Science Engineering	Joining Techniques With Machine Learning
24.	Anubhaw Lal		Computer Science Engineering	Joining Techniques With Machine Learning
25.	Sakshi Kumari		Computer Science Engineering	Heart Disease Prediction With Machine Learning
26.	Jyoti		Computer Science Engineering	Heart Disease Prediction With Machine Learning
27.	Monika		Computer Science Engineering	Heart Disease Prediction With Machine Learning
28.	Isha Bharti		Computer Science Engineering	Joining Techniques With Machine Learning
29.	Rupak Kumar		Computer Science Engineering	CNC With Machine Learning
30.	Saurav Shubham		Computer Science Engineering	Joining Techniques With Machine Learning
31.	Neeraj Kumar		Computer Science Engineering	Joining Techniques With Machine Learning
32.	Sandeep Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
33.	Ahmer Imam		Computer Science Engineering	Joining Techniques With Machine Learning

34.	Nishant Kumar		Computer Science Engineering	CNC With Machine Learning
35.	Vishal Kumar		Computer Science Engineering	Refrigeration And Air Conditioning With Machine Learning
36.	Anamika Kumari		Computer Science Engineering	Refrigeration And Air Conditioning With Machine Learning
37.	Anushka Sinha		Computer Science Engineering	Joining Techniques With Machine Learning
38.	Sonam Priya		EEE	Joining Techniques With Machine Learning
39.	Faiza Tahreen		Computer Science Engineering	Refrigeration And Air Conditioning With Machine Learning
40.	Rajnish Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
41.	Gaurav Vishal		Computer Science Engineering	Heart Disease Prediction With Machine Learning
42.	Jay Aditya		Computer Science Engineering	Heart Disease Prediction With Machine Learning
43.	Aakriti Arya		Computer Science Engineering	Heart Disease Prediction With Machine Learning
44.	Aayush Aman		Computer Science Engineering	Heart Disease Prediction With Machine Learning
45.	Vinit Kumar		Computer Science Engineering	Heart Disease Prediction With Machine Learning
46.	Shubham Jaiswal		Computer Science Engineering	Heart Disease Prediction With Machine Learning
47.	Shailandra Kumar Prasad	Rvs College Of Engineering & Technology, Jamshedpur.	Mechanical Engineering	Refrigeration And Air Conditioning With Machine Learning
48.	Sutanu Dutta	Durgapur Institute Of Advanced Technology & Management	Mechanical Engineering	Refrigeration And Air Conditioning With Machine Learning

A5.3 Other beneficiaries

1. Abhimanuy Kumar Jha: Employee
2. Madhumita Banerjee: Employee
3. Mahesh Pramanik: Employee
4. Mrs. Swati Chatterjee: Project Manager
5. Mr. Dipak Dhibar: Project assistant
6. T Jayshree: Project staff
7. Ms Rita Lahiri: Project staff
8. Madhabi Ghosh: Covid Relief
9. Mrs. Madhumita Basu : Covid Relief
10. Mrs. Nivedita Dutt : Covid Relief
11. Ms Sudheshna Nandi: Covid Relief
12. Ms Chandni Kumari Yadav : Girls hostel boarder
13. Ms Shivani Yadav: Girl's hostel boarder