



L&T Technology Services



Hand in Hand, Towards a New India



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ABOUT LTTS

L&T Technology Services (LTTS), a listed subsidiary of Larsen & Toubro Limited, is a global leader in Engineering and R&D (ER&D) services. Founded in 2009, we specialize in digitalization, engineering design, smart manufacturing, and product development. Our customer base includes 69 Fortune 500 companies across consumer electronics, industrial products, medical devices, media and entertainment, plant engineering, semiconductors, transportation, and telecommunication industries.

With over 69 innovation labs and R&D design centers globally, LTTS has expertise in disruptive technologies such as Artificial Intelligence, Autonomous Transport, Collaborative Robots, Digital Factory, and 5G. These centers have helped us to file 650 patents for the world's top 57 ER&D spenders, a testament to our innovative thinking and multi-sectorial engineering prowess. LTTS has a string of 'world's first' engineering projects to its credit including developing the world's smartest office campus in Israel, World's 1st Autonomous Welding Robot, and India's first indigenously built blood cell counter, to name a few.

Headquartered in Vadodara, Gujarat, we have more than 16,000 employees spread across 25 countries as of date.



FOUNDER CHAIRMAN'S MESSAGE

As I write this, India is going through the throes of a second wave of the Corona Virus pandemic, which appears to be even more virulent than the first. The Industry is grappling with the human, economic and social consequences of this surge by remaining in close touch with the state and civic authorities. On our part, we have urged our employees to continue to abide by all COVID protocols and follow the directives of local authorities.

Sustainability is essentially about having processes in place that enables organisations to rise to meet adverse situations head-on and deal with them in a manner that protects their interests while extending a helping hand to the community. Based on our experience of the first wave of the pandemic, we believe we are now in a better position to anticipate and deal with emerging developments.

This report, covering L&T Technology Services' (LTTS) CSR performance in the last fiscal, highlights our active role in helping communities across multiple fronts. In the healthcare sector, I am happy to inform you that over 22,000 patients have benefited from our primary healthcare efforts during the pandemic last year. On the energy and environmental front, an LTTS CSR initiative assessed the needs of the disadvantaged within a focussed geography, viz., the Mysore district of Karnataka. It led to the introduction of solar power in five villages in the district. This is expected to have far-reaching social benefits in terms of reduced

consumption of kerosene and consequently lower levels of indoor pollution.

Building on learnings from our previous CSR activities, our initiatives in rural India continue to be targeted at providing basic amenities like clean and safe drinking water, electricity, education, affordable healthcare, and employment. An example of our broad-based programmes for more effective water management and conservation are integrated watershed projects in rural Tamil Nadu and Pune district in Maharashtra that have benefited hundreds of villagers.

I thank my colleagues for their commitment to achieving the business objectives as well as the CSR goals of the Group. As we have done before, LTTS will continue to focus its energies and the passion of its people in countering adversity with resilience, innovation, and solidarity.

I invite you to join us in our resolve to build a safe, fair, equitable, and sustainable future.

A. M. Naik
Founder Chairman



CEO & MANAGING DIRECTOR'S MESSAGE

LTTS was founded on a promise of making the world a better place through innovation and excellence in engineering. I consider myself fortunate to steer LTTS at a time when our commitment to making a difference through corporate social responsibility is at its strongest.

Last year, we witnessed what was arguably the worst black swan event of this generation. In the midst of the crisis, we at LTTS progressed admirably on our overall sustainability goals while sharpening our focus on five immediate objectives: healthcare, education, skill building, water, and environment. We were ably supported in our CSR endeavours by meaningful partnerships and of course, my wonderful colleagues.

CSR begins with more employees' involvement

In the year ended March 31, 2021, over 1,200 volunteering hours were clocked by 111 LTTS Samaritans on a diverse range of CSR activities. In keeping with our rich engineering DNA and as a responsible technology company, LTTS bears a responsibility to groom and upskill the talented engineering students of the country. With this in mind, we launched a skill building program for budding engineering students in the country, which involved one-on-one mentorships to help young students bridge the skill gap and make them ready for the industry. More than 74 people including senior technologists in LTTS have lent their expertise to this program. Going ahead, we would be further encouraging involvement of our colleagues in our CSR volunteering programs to make the programs more institutionalized.

Making learning digital and engaging

The COVID-19 pandemic forced the lockdown of schools and other institutions of learning, which posed a huge hurdle in the students' learning curve. To do our part in addressing this issue, LTTS worked with our CSR partners on online pedagogy programs in target areas. In addition to this, many LTTS employees dedicated their time to partake in online education and upskilling programs that aimed to change the lives of underprivileged children and youth.

Besides this, we provided grants to help set up a National Programme on Technology Enhanced Learning (NPTEL) studio classroom in IIT Madras. This state-of-the-art classroom studio has been designed to help thousands of Indians upskill and cross-skill. With this, we have moved one step closer to disseminating digital learning and transferring technical knowhow to interested individuals and better their future prospects.

Health and water conservation

Last year, we expanded our water conservation and management programs in rural Maharashtra and Tamil Nadu to include additional agricultural interventions and socio-economic initiatives. For example, we provided soft loans to help women become entrepreneurs, thus giving them a chance to improve their lives.

Meanwhile, our health-related initiatives focused on providing geriatric primary health care at rural areas around Vadodara, Gujarat. It is very heartening to see how our efforts have helped elderly people to access quality medical treatments during these difficult times.



Preserving and restoring the environment

At LTTS, we believe in the environmental alteration of our society through technological transformation. This can be seen in our environmental improvement initiatives, where we have leveraged our core capabilities and strengths to bring about a positive change. For example, we improved the overall aesthetics of the neglected space under the Veeranapalya Flyover in Hebbal, Bangalore through creative and innovative designing. We created a Wild Arena-themed park under the flyover, where vertical MS sheets were used to create models of animals such as tigers and elephants.

Additionally, we had targeted waste management as a key objective for the year and so our successful installation of a solid waste management system in Vadodara, Gujarat, was a great source of pride.

Cyclone and disaster rehabilitation

We also applied our engineering expertise to historical cyclone data to build cyclone-resistant homes in Puri, Odisha—one of the worst affected by the devastating cyclone Fani. We also leveraged our technological prowess to set up pollution-free, solar lamps and streetlights in tribal communities around Mysore. This helped to empower both adults and children to accelerate their development. It gives me utmost

happiness to see how our electrification efforts have been recognized with LTTS receiving the prestigious Mahatma Gandhi Award for this endeavour.

No person or company is an island. No matter how great our balance sheets look, we believe that to truly progress is to improve the quality of people's lives, particularly those who are not as privileged as us. Whether that is through conserving the environment, investing in renewables, or ensuring that every child has access to a good education and every person has the ability to live with dignity, we at LTTS are here to play our part. The diverse CSR endeavours that are cited in this report capture our resolute commitment towards the sustainable and holistic development of our society and planet.

Our new programs will be focused more on locations where we have our large design centers so that technologists in these hubs will get an opportunity to contribute to the development of their communities. We are also choosing projects with emphasis on sustenance so that long term purpose and inclusiveness in growth is achieved.

We know that technology and technological progress will always be an enabler towards a better future for us all and LTTS will remain steadfast in this belief.

Amit Chadha

CEO and Managing Director



DIRECTOR'S MESSAGE

LTTS has a long history of being a responsible organization which contributes actively towards generating positive impacts – be it socially, environmentally, or financially. The objective of our CSR policy is not just spending money but creating a decisive impact on the beneficiaries. This enables us to undertake activities that help to build a stronger and more equitable society.

As we publish the fifth annual report of our CSR activities, the entire world is grappling with the unprecedented health and socio-economic disruptions caused by the COVID-19 outbreak. To overcome this crisis, we have prioritized the implementation of transformational projects that create value for the communities we live in.

In fiscal 2020-21, we touched the lives of thousands of people through our CSR initiatives focused in the areas of healthcare, education, skill development, water conservation and environment. Towards this our initiatives are as follows:

- Our intervention to provide Geriatric primary health care at rural areas around Vadodara through Mobile Health Care unit along with medical fraternity and medicines.
- Our education related interventions focusing on devising interactive online learning sessions for thousands of children in the target areas in collaboration with our CSR partners.
- Worked with Indian Institute of Science (IISc) Bangalore to support pedagogy progress of women research scholars on their higher education in line with the UN Sustainable Development Goal of Gender Equality of women in Education. We have partially funded to build a new hostel complex for women research scholars at IISc to facilitate their stay on campus at affordable cost and provide easy reach to the 24/7 labs at the institute.
- We have undertaken water conservation projects in rural Maharashtra and Tamil Nadu. These programs provide support to help women become entrepreneurs, thereby giving them financial freedom.
- Our solid waste management project in Gujarat is a testament of how people can come together and create a sustainable and cleaner village. The plastic waste collected is recycled to make benches, few of which are used in our offices across the country.

In the coming years, we will continue to harness our technological and engineering expertise to make our CSR programs as effective and far-reaching as possible to ensure inclusive growth for all.

Sudip Banerjee
Independent Director & CSR Committee Chairman



DIRECTOR'S MESSAGE

As we all experienced, 2020 was a year where the entire world faced several challenges hitherto unseen. The COVID-19 crisis brought immense disruption and devastation with it, however it also presented an opportunity for communities to come together and do more for each other. Our CSR endeavors are built on the pillars of inclusivity and innovation, with our initiatives focused on empowering the weaker and underprivileged sections of the society through the scope of our technological advancements.

Over the last few years, LTTS and our CSR partners have been laser focused on essential needs and have worked tirelessly towards developing healthy communities and thriving ecosystems. For example, as part of our Project Neelachala, we built disaster-resilient homes for those affected by Cyclone Fani in Odisha's Puri district. We also provided disaster management and survival trainings to help the locals deal with any future natural calamities. The program we have undertaken on solid waste management in Vadodara district has created awareness among villagers on waste segregation at source and resulted in creating some value from plastic waste such as benches, paver blocks, bricks etc.

Besides this, our education-related interventions continue to focus on ensuring students have access to high-quality science and technology learning. For instance, LTTS worked with Indian Institute of Science (IISc), Bangalore to construct a new hostel complex for women research scholars, enabling them to have 24x7 access to the institute's on-campus research facilities. We also provided grants to create a National Programme on Technology Enhanced Learning (NPTEL) studio classroom in Indian Institute of Technology (IIT), Madras. In addition, LTTS provided scholarship grants to help underprivileged students to enroll into the institute's foundational level B.Sc course in Programming & Data Science.

It brings me great joy in knowing that we are contributing towards a better society with the positive impact created by LTTS' CSR activities. As we step into the next financial year – with its own set of challenges and opportunities – we resolve to take our CSR journey even further. We shall continue to evolve and focus our energy and ideas towards recovering from the challenges of the past while building towards the promise of a better future; a stronger and more resilient one that we can all be a part of.

Dr. Keshab Panda
Non-Executive Director & CSR Committee Member



DIRECTOR'S MESSAGE

LTTS strives to constantly care for people, both within and outside the organization. We aim to create a more inclusive society through our CSR programs. Our initiatives focus on empowering the weaker and underprivileged sections of the society using the twin forces of engineering and innovative technology.

Along with our CSR partners, we've executed many programs benefiting the less privileged society. Last year, our initiatives resulted in improving the quality of life for the rural elderly, beautification of neglected spaces, solar electrification of tribal hamlets, skill development of unemployed youth, and conservation & management of water resources, among others. LTTS recognizes the need for protecting the environment and executed projects ranging from restoration of public places in Mumbai and Bangalore to recycling plastic waste into reusable products in Gujarat. LTTS undertook a project for providing education to rural children digitally, through its partner eVidyaloka which ensured continuity of their education during this pandemic.

When I look at our interventions, I feel immensely proud to see how LTTS has worked towards a sustainable development of the society.

It is heartening to see how far we have progressed in our commitment to the world around us, and I look forward to playing a greater role in the future.

R. Chandrasekaran
Independent Director & CSR Committee Member



DIRECTOR'S MESSAGE

An inclusive growth is in the core philosophy of L&T Technology Services and we have always aimed to help create a better world with our socially accountable initiatives. We are deeply conscious of the fact that sustainable development involves the use of environmentally responsible and efficient operational practices, and at LTTS, we share a strong desire to nurture the society.

FY-21 was a tough year for mankind due to pandemic and many natural disasters; however LTTS' CSR programs managed to make a significant positive impact on the society with its chosen theme of skill-development, education, environment and water.

We started a digital literacy training facility at Kharel for the benefit of school dropout youth undergoing technical training at Anil Naik Technical Training center. It brings me immense sense of pride to see that LTTS helped Indian-youths to upskill and cross skill to get jobs and elevate them to the next level of their careers with in-classroom studio sponsorship at IIT Madras as part of National Programme on Technology Enhanced Learning (NPTEL).

LTTS stood up for the society in these difficult times through Project Neelachala - an initiative to provide disaster-resilient homes to 150 families affected during cyclone Fani in Puri, Odisha. To rebuild the lost homes, we are working with Habitat for Humanity India and the Puri District administration of Government of Odisha.

LTTS' CSR team has touched multiple dimensions this time, for example, to promote cleaner India, LTTS partnered with SOCLEEN, an NGO in Vadodara, and launched a solid waste management project at Dumad village, Gujarat. Another major example is the watershed plus project under which multiple exposure visits were organized for the watershed committee members and Mahila Pani Samiti members to improve agriculture practices and promote peer learning.

I heartfully congratulate and thank the dedicated & hardworking CSR Team of LTTS. I am certain that LTTS will touch many more lives with its large-scale initiatives in the coming time and our team will keep contributing towards making a better world.

Abhishek Sinha
Chief Operating Officer & Whole Time Director

CSR HEAD'S MESSAGE

LTTS has a rich legacy of social work. In fact, CSR is one of the fundamental pillars through which we are engineering social co-prosperity across India. As a purpose-driven organization, all of our social activities have been designed to serve the most marginalized, disadvantaged swathes of the population. This is why our CSR theme for the year FY 21 – 'Hand-in-Hand, Towards a New India' – is the perfect description of our CSR philosophy.

At LTTS, we believe that CSR is not a legal obligation, but a responsibility. It is gratifying to see how some of our social endeavours have had a positive impact on the beneficiaries. One such initiative is our Project Neelachala in Puri, Odisha. Under this environment-related intervention, we worked with Habitat for Humanity, India and the Government of Odisha to build disaster-resilient homes for families affected by Cyclone Fani.

Another LTTS CSR activity has helped to improve the quality of life of rural elderly in Vadodara, Gujarat by providing more than 22,000 primary healthcare treatments. These are just a few of the examples of how LTTS is focused on building a healthy and inclusive society.

It gives me immense pride to be associated with our CSR programs. LTTS will continue to drive towards deepening and refining our social activities and collaborate with our CSR partners to create more far-reaching and positive social value in the future as well.

K N Prabhakaran
CSR Head



MESSAGES FROM OUR CSR PARTNERS

HELPAGE INDIA

“

In any disaster, the elderly are the worst affected as they are too physically frail to access relief and are often the last in line. The COVID-19 pandemic has taken its toll on many poor, vulnerable and disadvantaged elderly, who lost their livelihoods and were rendered virtually penniless. With not enough food on the table, they could hardly afford their medication, a critical need, as most elders are patients suffering from chronic diseases like diabetes and hypertension. They need continuous long term medication to stay alive, free from morbidity. The support from L&T Technology Service (LTTS) has been a boon to the poor elderly, specially those living in remote locations, who are bedridden and have no access to primary healthcare. The Mobile Health Unit supported by LTTS equipped with a doctor, pharmacist and social worker ensured that our elders received timely and adequate treatment. LTTS has always been a supporter of the geriatric care, having previously supported cataract surgeries for elders who were unable to see clearly and perform even daily household work. Restoring sight is like restoring dignity in life. I look forward to a long and continuing association with LTTS, so together we can make a difference in the lives of the disadvantaged and marginalized elderly.

”

- Ritu Rana,
Mission Head – Healthcare,
HelpAge India



INDIA RISING TRUST

“

Our decade-long efforts at reclaiming public spaces in urban areas were given a fillip with the active involvement and support from LTTS over the past 3 years. What started off as a project to reclaim and restore 35,000 sq.ft. of filthy, decrepit space under a prominent flyover in Bengaluru, as part of the Swachh Bharat Abhiyan, has now progressed into an endeavour that has created a uniquely beautiful public space where people drive long distances to visit and take selfies!

What has stood out in the LTTS CSR team's approach has been the attention to detail, the push to strive for perfection, and a clarity of vision that we should create something that is sustainable, scalable and truly useful to the community. Our team has been encouraged to innovate and develop new paradigms for how a public space in an Indian city can be transformed. The relentless focus on raising the bar and setting new standards continue to have a huge impact on the outcome.

When the Bengaluru city corporation launched the Adopt-a-Flyover initiative in 2018, LTTS not only supported the adoption of an Under-Flyover-area, but also helped to create a unique wildlife-themed space (LTTS Wild Arena). This space is now a new visual landmark for the city. We remain grateful, on behalf of the city, for LTTS's continuous involvement in sustaining and improving the work in reclaiming and uplifting public spaces.

”

- Arun P,
Trustee, India Rising Trust



eVIDYALOKA

“

On behalf of all the children of eVidyaloka, I am extremely grateful to LTTS for its sustained and continued support, especially during these pandemic times. It allowed eVidyaloka to build on its digital strength and made learning seamless for these remote and rural school children. LTTS not only enabled continuity of learning in these difficult times, but also empowered gems like Anushka and Riya, who have gone ahead and made their mark in IIT, Dhanbad, with solutions for their community challenges. Our heartfelt appreciation goes out to LTTS for supporting the students of ITKI, Jharkhand, in implementing their award-winning idea of Library on Wheels in their own communities. To me, this is an enablement of quality education and thank you for being with us in this journey of making this dream a reality for the children of rural India.

”

- Venkat Sriraman,
Co-Founder & Trustee,
eVidyaloka



Adjusting to the 'New Normal': Impact of COVID-19 on LTTS CSR Activities



The COVID-19 pandemic has been a disastrous and perhaps the most defining global health crisis of our time. This crisis has a degree of uncertainty, severity, and velocity that transcends any of the previously envisaged scenarios. Even as countries across the world undertake unprecedented measures to control the health and socio-economic impact of this outbreak, it's quite evident that more needs to be done.

Companies can play a vital role in helping the world get through this crisis. The decisions they take – from their homes via digital mediums – will have a major impact on the future. As a purpose-driven organization, LTTS saw the COVID-19 outbreak as an opportunity to help India manage risks and adapt to new circumstances. Our CSR theme for 2020 – 'Hand-in-Hand, Towards a New India' – is an apt testament to our renewed commitment to nation building.

In collaboration with our CSR partners, LTTS's initiatives were focused on addressing the urgent socio-economic challenges triggered by the coronavirus outbreak. Be it education, skill development, health, water or environmental initiatives, the main objective of our CSR efforts has been to empower people and communities throughout the length and breadth of this country. This can be seen in the number of CSR activities undertaken by us throughout 2020 despite the challenges posed by the pandemic and the ensuing country-wide lockdowns.

We leveraged the transformative forces of technology and human ingenuity to help Indians counter the coronavirus-induced obstacles and adapt to the 'new normal'. Our CSR endeavors deployed these forces to help children continue their learning process, upskill the unemployed youth to improve their quality of life, maintain our environmental beautification projects, provide healthcare services to rural elderly, and ensure the continued progress of our water conservation initiatives. Our fifth annual CSR report details how these efforts created a positive impact on the society and restored the faith in human synergy.



Our CSR Philosophy – Ensuring 'Inclusive Growth for All'

LTTS aims to create a stronger, more equitable society through various social responsibility initiatives. Our CSR philosophy centers on implementing transformational projects to create value for the society we live in. Despite the hurdles posed by the COVID-19 pandemic, we have continued to undertake projects in the areas of environment, water conservation, health, education, and skill development.



Our CSR Policy – Serving the Society

As a responsible corporate citizen, LTTS strives for the betterment of the community and environment. The key objective of our CSR policy is to harness our technological expertise and passionate workforce to create a visible impact on society. It is in our DNA to constantly care for people, both within and outside our organization.



Implement sustainable CSR programs towards building a robust social infrastructure in India



Strengthen systems and processes to achieve measurable results



Leverage innovative technological solutions to address social needs and issues



Work with NGO's, institutions and communities to promote skill development, education, health, environment, sports for disabled and water conservation



For more details on our CSR Policy, visit <https://www.ltts.com/about-us/csr>



Our CSR Process – Building a Better Future

Since our inception, we have fostered a culture of caring for our communities. Our CSR program has already touched the lives of many people from economically backward sections of our society and will continue to do so in future.

Our CSR policy framework details the mechanism for undertaking various programs in accordance with Section 135 of the Companies Act 2013 and the Companies (Corporate Social Responsibility Policy) Rules, 2014.

CSR Program Implementation


Our company undertakes CSR initiatives in the identified areas. This is done either directly as programs/projects/activities, through a Registered Trust, or by contributing to the CSR team of the holding company. LTTS also collaborates with the

government, business partners, and communities to amplify the impact of its social initiatives. The period of a particular initiative depends on its nature, extent of coverage, and intended impact.

LTTS also undertakes project assessments as and when required. We may use the services of employee volunteers, internal teams, consultancy firms and expert agencies for conducting base line surveys, impact assessment surveys and guidance on program design and implementation.


CSR Monitoring and Reporting


LTTS has a robust mechanism to monitor and report the CSR activities at various locations. Our CSR team is responsible for implementing, monitoring and tracking the progress of every program. This team is in charge of:



Reviewing the CSR projects, evaluating their utility and efficacy, and suggesting suitable changes in line with the CSR policy

Verifying and establishing the credibility of CSR partner agencies in case the CSR project is to be executed by the partner






Ensuring compliance of the rules/ regulations/ laws by the partnering agency


Ensuring the partnering agency submits periodic reports on the operational status





Monitoring progress of the programs closely

Conducting mid-course reviews and suggesting modifications, if needed



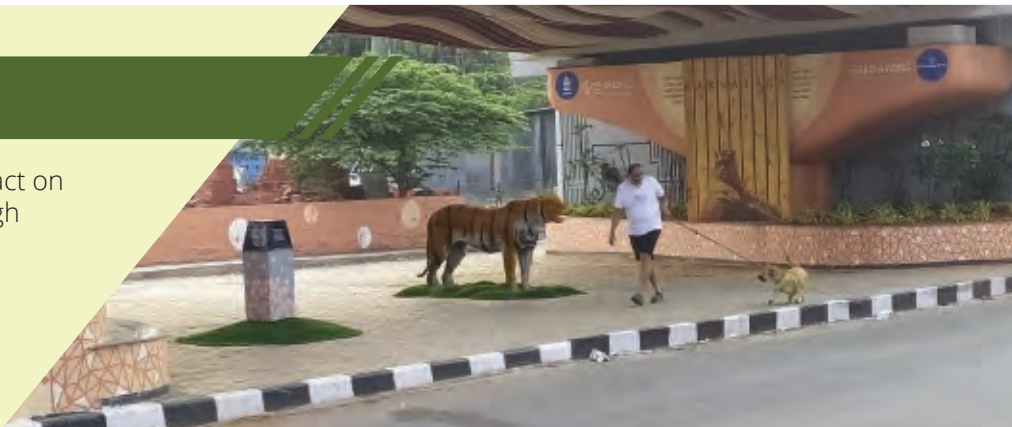


CSR Initiatives at LTTS – Shaping the Future of a Nation

LTTS cherishes a rich legacy of building India's social infrastructure using the twin forces of technology and innovation. Our corporate social responsibility (CSR) activities have always been focused on addressing the problems faced by the people of the nation, especially those in underprivileged areas that have no or limited access to basic amenities such as health, education, water, electricity, and employment.

ENVIRONMENT

Creating a positive impact on the environment through recycling, greening and conservation initiatives.



WATER

Undertaking comprehensive water conservation projects for integrated development of remote villages.



HEALTH

Providing care for senior citizens and improving their quality of life.



EDUCATION

Our education program covers a wide range of activities which includes digital learning, hands on experiments, science workshops and career guidance.



SKILL DEVELOPMENT

Empowering today's youth with employable skills.





Achieving More Together – Impact of our CSR Initiatives



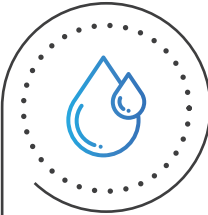
Environment

488 people benefited from our solar project

51 cyclone-resistant houses handed over to beneficiaries

35,000 sq. ft of space maintained

28,886 kgs of (dry + wet) waste collected



Water

1,068 people benefited from various socio-economic programs

4635 agro forestry saplings planted

4364 cubic metre of clearance channel constructed



Health

22,359 healthcare treatments provided

446 places primary care was given



Education

8550 students benefited from our education programs

Infrastructure support provided to women research scholars



Skill Development

247 youth benefited from digital literacy courses

60 youth benefited from office assistantship training

ENVIRONMENT



"If conservation of natural resources goes wrong, nothing else will go right."
— M. S. Swaminathan

The environment has been one of the greatest factors in the progress of humanity. The availability of resources like clean water, minerals, and fuel have been instrumental in our survival as well as improving the quality of life. However, over time, the over exploitation of these resources and emission of hazardous pollutants have resulted in the disruption of ecosystems and rapid depletion of natural non-renewable resources. There is now an urgent need to take diverse actions to reduce the anthropogenic impact on environment and put an end to its degradation.



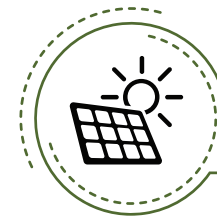
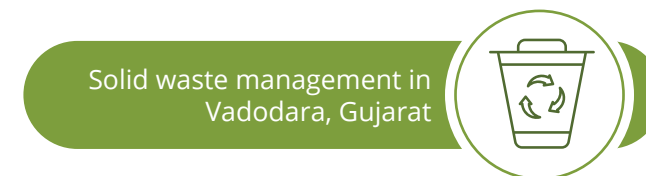
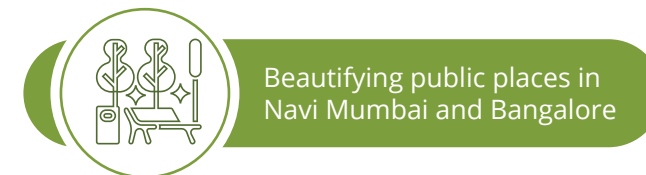
At LTTS, we believe it is our collective responsibility to protect the environment so that our future generations can enjoy a sustainable world.

Giving back to the society is an integral part of our business philosophy. Leveraging innovative technologies and enriched partnerships, we aim to create a sustainable future by being sensitive and responsible for the communities we serve.

Over the years, LTTS has undertaken multiple environment preservation and community development projects. These projects, which have been executed in close collaboration with our CSR partners, have focused on environmental transformation and social upliftment.



For the reporting period, we have engaged in projects that address the impacts of deterioration in remote, underdeveloped sections of the society and bring about positive change. These projects include:



Powering Up Tribal Communities with Solar Power

According to government data, India has achieved **100%** electrification of all communities.* However, a recent survey shows that **13%** of rural households still lack a stable power supply and depend on non-grid sources such as kerosene for lighting purposes.* The main reason for this disparity is the fact that not all households have a grid connection.



A solar project with Swami Vivekananda Youth Movement

To deal with this challenge and ensure a higher quality of life for people in non-electrified regions, LTTS partnered with Swami Vivekananda Youth Movement (SVYM). This collaboration was aimed at leveraging solar energy to provide power to the tribal communities near Mysore, Karnataka.

Over the course of this project, the LTTS and SVYM teams installed solar panels and streetlights in selected tribal hamlets near Mysore. Solar lamps were installed in homes, schools, anganwadis, and community centers. These installations have had a visible impact on the villagers' lives.

The use of solar power has enabled each household to reduce their kerosene oil usage by 3-4 liters per month and enjoy savings of INR 400 to 500 per month. Dependable and stable electricity connections have made cooking easier and more hygienic after dark. It has also provided them with

an opportunity to extend their work hours after dark and increase their income. Meanwhile, solar streetlights have ensured that women and children feel safe and live without the fear of encountering wild animals in the dark hours.

During the last year, our efforts were focused on the repair and maintenance of the solar-powered devices. We also provided technical training on how to clean, repair, and maintain solar systems to the villagers. Besides this, the team continued to conduct self-help group (SHG) meetings and community meetings to help develop soft skills and share innovative income generation ideas.



*<https://www.bbc.com/news/world-asia-india-43946049s>

*<https://www.eqmagpro.com/87-per-cent-households-have-access-to-grid-connected-power-some-still-dont-use-electricity-survey/>



Manchegowdana Halli, Kanthanahadi, Chikkabargi, Vadarahalli Hadi and Sargur Taluka near Mysore, Karnataka



- **488** people benefitted from this project
- **39** solar lights were maintained in common areas including streets, anganwadi, community hall and school
- **145** self-help group meetings conducted
- **29** community meetings conducted
- **4** technical trainings conducted on solar system repair and maintenance
- **5** SHG members were provided training on various income generation activities



Withstanding Nature's Fury with Disaster-Resistant Homes

Dangerous and unpredictable natural disasters affect millions of people every year. Events such as cyclones and floods can completely destroy thousands of houses and force people to evacuate their homes. According to the UNICEF, about 25 million people around the world were displaced due to natural disasters in 2019.

Building cyclone-resistant homes in Puri, Odisha with Habitat for Humanity, India

When Cyclone Fani made landfall on India's eastern coastline on 03 May 2019, Odisha faced the brunt of the impact. Although more than a million people were evacuated from the state's vulnerable coastal areas, 64 people died due to this natural disaster which wreaked INR 5.25 billion worth of infrastructural damage.*

The cyclone had ravaged several thousands of homes in Odisha's Puri district. In response to this crisis, LTTS launched Project Neelachala – an initiative to provide disaster-resilient homes to 150 affected families in Puri. As part of this initiative, we are working with Habitat for Humanity, India and the Government of Odisha to rebuild the lost homes of those affected by the destructive cyclone.

As of March 2021, we have built and handed over 51 cyclone-resistant houses. Although the COVID-19 pandemic has played its part in delaying construction activities, the progress of this project has been quite remarkable. After the government relaxed its lockdown restrictions, the shortage of labor was compensated with locals who were not able to go out for their regular employment. This helped the locals to earn a livelihood and ensured

*<https://www.hindustantimes.com/india-news/cyclone-fani-caused-rs-525-crore-infrastructure-damage-says-odisha-govt/story-BVt5V5R8c0xvyhvgHRU0l.html#:~:text=The%20Housing%20and%20Urban%20Development,267%20culverts%20have%20been%20damaged>



that the project activities were carried on without any major delays.

Moreover, considering Odisha lies in a cyclone prone area, we have also undertaken disaster management and survival trainings for the local communities. This has helped provide the people with the means and knowledge to protect themselves during any future calamities.



51 cyclone-resistant houses have been handed to the beneficiaries



Beautifying Public Spaces, Creating Sustainable Urban Oases

As part of the green ethos objective, LTTS has been undertaking various green and clean initiatives in many parts of the country. These projects focus on improving the environmental sustainability of public places and making them eco-friendly.

A road median project on Thane-Belapur Road, Navi Mumbai with Meta Design

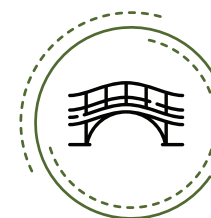
Since 2018, LTTS collaborated with Meta Design to develop and maintain a road median project between Koperkhairane and Rabale. The project covered an area of about 6 ½ kilometers on Thane-Belapur Road, Navi Mumbai.

As part of this project, the road median was populated with flowering plants, shrubs, and creepers to absorb carbon dioxide and aid in cleansing the air. The LTTS and Meta Design teams also installed signage poles, solar lamps, and spike lights. Besides this, the railings along the road divider were painted in VIBGYOR themes with social messages.

During the last year, the pandemic prevented us from engaging in any labor-intensive activities. However, the project continued with strict adherence to government norms. This included conducting non-labor-intensive activities such as basic maintenance and plant watering throughout the year.



- **42,365** flowering plants, shrubs and creepers maintained
- **100** signage poles, **50** solar mashals and **76** spike lights maintained
- **180** warli paintings and 535 social messages maintained
- Involved a mixed use of tanker water and drip irrigation



A flyover project in Hebbal, Bangalore with India Rising Trust

LTTS partnered with India Rising Trust to adopt the Veeranapalya flyover in Hebbal, Bangalore. This project, which is part of the Bangalore Municipal Corporation's "Adopt a Flyover" initiative, involved beautifying a garbage-dumping area under the Veeranapalya flyover and converting it into a public utility area.

Upon kickoff, the team focused on improving the overall aesthetics of the neglected space under the flyover through creative and innovative designing. Vertical sheets were used to create models of animals such as elephants and tigers in adherence to the "Wild Karnataka" theme. These realistic models were developed in a way that captured the essence of motion when viewed from different angles. Moreover, recycled plastic benches sourced from LTTS' solid waste management project in Gujarat were used in the Under Flyover Wild Arena areas to create awareness on the usage of recycled plastic waste among the local community.

During the 2020-21 period, we focused our efforts towards the maintenance of the area and creating awareness among the people about the utility value of this wildlife-themed public space. The frontline workers of Bruhat Bengaluru Mahanagara Palike (BBMP) helped in the upkeep of this area while local TV channels used the space for live news broadcasts. As a result, people started using this space for recreational purposes.

In February 2021, LTTS celebrated the one-year completion anniversary of this project by conducting a Rangoli competition. We saw participation from local people, corporators and the Commissioner.



35,000 sq. ft of space maintained



This wildlife-themed public space attracted thousands of people



Open space facilitated easy distribution of masks during pandemic



THINKING GREEN, THINKING SMART: RECYCLING PLASTIC WASTES



"I only feel angry when I see people throwing away things we could use"
— Mother Teresa

Waste disposal has been one of the major concerns for environmental preservation initiatives. Improper solid waste management or open dumping practices can lead to hazards like water pollution, air pollution, soil pollution, and overall environmental degradation. To deal with this problem, the Indian government launched a nation-wide campaign called Swachh Bharat Abhiyan to improve the management of solid and liquid waste and create a sustainable and cleaner India.



A waste collection and segregation project in Vadodara, Gujarat with SOCLEEN

In alignment with the Swachh Bharat Abhiyan, LTTS launched a solid waste management project at Dumad village in Vadodara, Gujarat in Partnership with Society for Clean environment (SOCLEEN).

This intervention brought about the concept of waste segregation at source in the village.

The project received wholehearted participation and support from the villagers. Interestingly, rag pickers have started providing their waste collection for segregation. This has helped them earn a stable livelihood.

But the main aspect of this project has been the usage of reusable plastic waste to create useful objects such as benches, paver blocks and bricks. During the reporting period, **4579 Kg** of plastic waste was collected, including **2216 Kg** of plastic waste collected by ragpickers. The collected plastic waste was segregated and converted into **1500 bricks, 16 benches, and 300 paver blocks**. Some of these benches have been used in LTTS' Veeranapalya flyover project.

28886 kgs
of waste collected

4579 kgs of plastic
waste segregated



Case Study

CLEAN VILLAGE, DISEASE-FREE VILLAGE



I am Sarpanch of the Dumad village. When I was elected as the Sarpanch, the village faced many problems like water waste, bad road conditions and waste dumping everywhere. Initially, waste collection system was different than today's system. And even though, it was difficult for us to adopt the segregation of waste system at source in our behavior, it was not impossible. Every female in the village is encouraged by this project. Villagers wish that this solid waste management project should continue for the betterment of my village, making it disease-free and environment-friendly. Thank you, L&T Technology Services, Socleen and Concept Biotech for putting your expertise in the development of Dumad Village.



Ms. Hinaben Patanvadiya
Sarpanch, Dumad village in Vadodara, Gujarat

FROM DARKNESS TO LIGHT



Ms Kaveri and Mr Ravi's family lives in the Chikka Baragi Haadi tribal hamlet, which had no electricity before. The family had to depend on kerosene or wax candles for light. In the dark, whenever the kerosene lamp was needed, there was a need to use kerosene in moderation. Therefore, they would often complete cooking by sunset and have dinner in darkness. But after the advent of solar light at home, they cook and eat at the appropriate time. Everyone in the family enjoys their dinner under the solar light together. Kaveri and Ravi are happy that they can go to the neighbouring house and get necessary things without fear during night hours. They said, "Thank you L&T Technology Services and SVYM for your support in providing solar lamps for our family."



Kaveri and Ravi's family
Chikka Baragi Haadi in Mysore, Karnataka

A few images from our Integrated Village Development projects in Tamil Nadu & Maharashtra



A beneficiary in front of his paddy field in Kokkranthangal - Tamil Nadu



Kokkranthangal SHG Meeting



Solar Panels installed at Chikkabaragi Haadi



Villagers relaxing in their solar electrified home



Women attending an Exposure visit in Kathwadi village, Maharashtra



Solar lights installed in the street of Chikkabaragi Haadi



Villagers attend a Community meeting at Vaderahalli Haadi

WATER



"When the well's dry, we know the worth of water."

— Benjamin Franklin

Water is an essential resource. Every day, millions of people across the country struggle to access water for drinking, irrigation, and other needs. In India, more than **50%** of the population face acute water shortage and about **200,000** people die every year from using polluted water.*



*<https://www.financialexpress.com/lifestyle/science/indias-water-crisis-is-there-a-solution/2089860/>



Our country's severe water crisis has multiple contributing factors which include a growing population, highly contaminated water, and a lack of water conservation and retention efforts. To address this, LTTS and National Agro Foundation have been working together to implement integrated and holistic watershed management projects in areas facing severe water scarcity. These projects aim to improve water accessibility and availability in agrarian rural communities whilst addressing various socio-economic issues through awareness, horticulture, agroforestry, and income generating programs.

As part of our sustainable CSR program, LTTS has undertaken the following initiatives:



Replenishing water resources and encouraging village development programs in Kanchipuram, Tamilnadu



Rejuvenating agricultural communities in Pune, Maharashtra



Replenishing Parched Lands, Replenishing Lives

The Watershed+ project in Kathwadi with National Agro Foundation

LTTS partnered with National Agro Foundation to implement agricultural interventions and socio-economic initiatives ranging from awareness programmes to training programmes in Kathwadi village in rural Maharashtra. Two important village institutions- Mahila Pani Samiti (MPS) and Village Watershed Committee (VWC)- were incorporated into this project to ensure willful community participation.

Members of these institutions have helped ensure smooth implementation of the project. Community members were trained to ensure sustainable and



128 people benefitted from veterinary camps



28 Mahila Pani Samiti members received soft loans



151 people benefitted from awareness programs on safe drinking water and improved sanitation



20 people benefitted from demonstration sessions on crop management practices

independent maintenance of project activities in the future.



Over the course of the last year, we focused on conducting health-related camps, animal husbandry camps, village development, and capacity building programs alongside promoting income generating activities. As part of this initiative, National Agro Foundation organized one veterinary camp and two vaccination camps for chicks. As part of our income generation program, 28 MPS members received a soft loan of Rs. 20,000. This support was provided to help them start provisional stores, purchase sewing machines and milch animals. Besides this, National Agro Foundation staff continued to be in constant touch with the MPS and VWC members throughout the pandemic to mentor and support the community.



Kathwadi village in Pune, Maharashtra

An Integrated watershed project in Kokkaranthangal, Tamil Nadu with National Agro Foundation

LTTS and National Agro Foundation have engaged in several water conservation and retention efforts in Kanchipuram, Tamil Nadu since 2017. The project covers Kokkaranthangal, Zamin Pudhur Amaindhakaranai, and Arcadu villages in Kanchipuram. This project aims to improve water security and agricultural practices, equipping farmers to withstand irregular and delayed monsoons and increase their yields.

Over the course of this project, we undertook the construction of check dams, farm ponds, village ponds, and water absorption trenches to increase the ground water table for domestic and agricultural use.

In the fiscal year 2020-21, the team undertook socio-economic initiatives such as distribution of

horticulture plants, plantation of forestry saplings on farmers' fields and along the water absorption trenches, and field demonstration for paddy, watermelon, vegetable, groundnut, and black gram to help the villagers. Besides this, we conducted agricultural trainings for Village Watershed Committee (VWC) and Self-Help Group (SHG) members. Our project partner National Agro Foundation was in regular touch with VWC and SHG members through phone calls during the pandemic to ensure continuous support and mentorship.

In addition, natural resource management (NRM) efforts such as construction of a 7570 RM field bund and 4364 cubic meters of channel clearance work were undertaken.

Lastly, as part of our income generating programs, 50 SHG members were provided livelihood support to purchase sewing machines and milch animals after the pandemic-induced lockdown was over. This provided them with an additional source of income, thus improving their quality of life.



Kokkaranthangal village in Kanchipuram, Tamil Nadu



343 agro-horticulture plants distributed



4635 agro-forestry saplings planted



36 productivity enhancement demonstrations conducted



55 people benefitted from capacity building training



50 people benefitted from Income Generation Programs



Case Study

LIVE DEMONSTRATIONS PAVING WAY FOR SELF-SUSTAINABILITY



Ananta Sakharam Pilane from Katwadi village, Velha Taluk, Pune is a 38 years old farmer who lives with his family. He is a traditional wheat growing farmer who was not aware of interventions like soil testing, recommended fertilizer usage, and pesticides or other pest management strategies.

With the help of live demonstration sessions conducted by National Agro Foundation (NAF) and LTTS, Ananta received proper guidance on soil testing, installation of yellow sticky traps and purchase of bird perches. He also got acquainted with the recommended dose of fertilizers. With this, he was able to increase his income by 22 per cent than usual with same wheat crop.

Ananta has now witnessed the benefits of following a scientific method of cultivation and is eager to adopt this practice for his other crops as well. He is also eager to get his soil tested regularly and follow the scientific instructions to avoid spending excessively on inputs and preserve the beneficial soil bacteria for better yield and profits. He wishes that many more farmers are roped into this project and can avail of the benefits of LEAN Farming technologies as well.

Ananta Sakharam Pilane
Katwadi village in Pune, Maharashtra

AN OPPORTUNITY TO PROGRESS



Mrs. S. Pavithra is 25 year-old and living with her daily wage labourer husband and their two kids. To increase her family income, Pavithra was determined to start her own venture as a regular source of income

There is not even a single photocopy shop in her village and people often had to travel 5 – 8 kms to get a photocopy of any document. She identified the opportunity and proposed her interest to the National Agro Foundation (NAF) team with a formal application to provide support for a photocopy machine. With the support from LTTS and under the Income Generation Program, Pavithra has been able to avail of a loan of Rs. 30,000 and set up a Xerox shop in her village.

The shop had been remunerative for her, fetching her average of Rs. 4500 per month apart from the maintenance charges. Even people from nearby villages visit her shop to avail photocopying facilities. Pavithra is very grateful to LTTS and NAF for making her dream come true and aspires to add many services to increase her income as well as serving the villagers through her efforts.

Mrs. S. Pavithra
Kokkaranthangal village in Tamil Nadu

HEALTH



"It is health that is real wealth and not pieces of gold and silver."
— Mahatma Gandhi

India is one of the fastest-growing economies in the world*. Yet our country faces a great discrepancy between its rural and urban areas in terms of healthcare coverage and quality. Most patients in the rural areas do not have enough information or awareness about their health conditions. This is further exacerbated by physician shortages and less access to adequate healthcare. This forces rural residents to travel hundreds of kilometers to visit well-equipped health centers, which are usually located in urban areas.

Therefore, LTTS has expanded the sphere of its CSR activities to address the increasing healthcare needs of rural India. In the past years,

we have contributed to rural healthcare initiatives through projects focused on eradicating avoidable blindness, raising cancer awareness, and improving pre and post natal care for women and children. Last year, given the widespread disruption to our country's healthcare system due the COVID-19 pandemic, LTTS focused its health-related interventions on helping the most vulnerable group- the elderly. Our efforts were dedicated to ensuring timely and sustainable geriatric care for the rural elderly population.

*<https://economictimes.indiatimes.com/news/economy/indicators/india-to-be-among-fastest-growing-emerging-economies-in-fy22-rating-hinges-on-deficit-debt-sp/articleshow/81054307.cms?from=mdr>





Improving Access to Healthcare, Improving Quality of Life

According to the Longitudinal Ageing Study of India, the elderly population (60 years and above) will be more than 319 million by 2050*. It is a sad truth that a large majority of old people in our country have to continuously work for a living. Affording quality medical treatment might seem like a far-fetched dream for them, despite the fact that about 75% of elders suffer from chronic ailments such as arthritis, asthma, hypertension, and heart problems.



A mobile healthcare project in Vadodara, Gujarat with HelpAge

To address this challenge, LTTS has been working with HelpAge to address the primary healthcare needs of the elderly since 2019. Our efforts have been focused on supporting HelpAge's Mobile Healthcare Unit (MHU) project in Vadodara, Gujarat. This project has helped people aged above 60 years enjoy a dignified and healthy life.

HelpAge provides healthcare services such as free basic diagnosis, free treatments, and free medicines through its MHU vans. These vans, which are staffed with doctors, pharmacists, a paramedic team, and social workers, visit remote areas to ensure access to quality medical care. The MHUs are equipped with basic diagnostic equipment such as thermometer, BP apparatus, weighing machine, and glucometer as well as medicine for common ailments such as diabetes, hypertension, and arthritis. After the on-board doctors examine and clinically diagnose the patients, medicines are issued free of cost to the patients based on the prescription. Patients in need of special or advanced treatment are referred to the nearest partner healthcare service providers.



*<https://www.thehindu.com/news/national/number-of-indias-elderly-to-triple-by-2050/article33515101.ece>

In the last year, when the pandemic-induced restrictions were eased, HelpAge team resumed their visits to target villages. Awareness and counselling sessions were held to encourage elders to visit the MHUs. The team also visited the houses of bedridden patients to ensure proper and uninterrupted care. Besides ensuring quality care, counselling sessions were held for elders, caretakers, and family members on various aspects for healthy ageing.

In addition, the HelpAge staff continued to spread awareness about the COVID-19 crisis and encouraged villagers to take preventative measures like wearing masks, frequent hand washing, practicing social distancing, and getting themselves vaccinated. All these efforts were carried out adhering to government safety protocols to ensure the protection of public health.



One Mobile Healthcare Unit involved



22,359 treatments
provided



9721 males and
12638 females benefitted
from this project

Project locations:
Vadodara, Gujarat





Case Study

BLESSINGS ON DOORSTEP



Bhikhiben is a 68 year-old woman living alone in the Anguthan village where she works as a maid to make a living. Even though Bhikhiben suffers from arthritis and was getting treated at a local clinic, she did not get any relief from that treatment.

Through the MHU intervention, Bhikhiben got relief from her very first visit. So far, she has already gotten treatment from the MHU four times. Acknowledging the project, Bhikhiben says, "Door step service for someone elderly like me is such a great convenience. It's not possible for me to go for treatment outside the village due to financial issues. I am thankful to Help Age India and L&T Technology Services for giving cost-free treatment to poor people."



Bhikhiben Vitthalbhai Rathodiya
Anguthan village in Vadodara, Gujarat

FROM PAIN TO RELIEF



Raman is a 62 year-old man living in Sejapura village in Dabhoi, Vadodara. He lives alone and works as a daily wager to support himself. Due to heavy labor work, Raman suffers from breathlessness and general weakness. He has also been diagnosed with chronic obstructive pulmonary disease (COPD).

Although Raman continued treatments from a local general practitioner, he did not see any improvement in his condition. At last, he availed the services of the Mobile Health Unit and received free treatment. Since then, Raman has also experienced improvement in this health. He says, "I have faced many problems in my life and have not shared my sadness with other people. It's difficult for me to get treatment due to financial crisis. But in this door step service, I am getting much more than imagined including free treatment, medicine, personal response from the team, etc. I am really thankful to HelpAge India and L&T Technology Services for providing such a great doorstep service free of cost to elderly people like me. I wish the service continues in future as well so that people like me can get home-based treatments. Thank you."



Raman Manshukh Vasava
Dabhoi in Vadodara, Gujarat

EDUCATION



“Education is the most powerful weapon which you can use to change the world.”
— Nelson Mandela

In a country as vast and diverse as India, education is one of the key enablers of social upliftment. Quality education can provide people with the means to combat social evils such as poverty, unemployment, gendered violence, and the caste system. Understanding the importance of academic knowledge, our country has made efforts to increase the number of children going to schools. As of 2018, the number of children enrolled in government schools was 131 million and those enrolled in private schools was 119 million*.

However, the COVID-19 crisis has taken its toll on decades of progress. The country-wide lockdown restrictions due to the pandemic meant that schools, colleges, and universities had to stay closed, which led to a substantial gap in education. Even though educational institutions across the country are doing their best to address this gap and provide support for e-learning, the number of affected learners continues to rise.



*<https://www.statista.com/statistics/1175285/india-number-of-enrolled-students-by-school-type/#:~:text=As%20of%202018%2C%20in%20India,to%20over%20250%20million%20students.>

At LTTS, we believe that education empowers people to build a better world and strive to provide the necessary means to make this belief a reality.

Therefore, this past year, our education-related interventions have been focused on preventing the COVID-19-induced learning crisis from turning into a generational catastrophe. Along with our CSR partners, we've undertaken several activities to devise e-learning programs that could support the educational fraternity.

About **8550** students benefitted from LTTS' education programs in the fiscal year 2020-21.



Supporting Online Education, Empowering the Future

In 2020, the COVID-19 pandemic caused one of the biggest disruption to the global education systems in history. At the peak of the crisis, about 1.6 billion students across the world were out of school and more than 100 million teachers were affected by the pandemic-induced closures of learning institutions*. The longer schools stay shut, the higher the risk of students losing out on their future. The time to reimagine learning is now.

An online pedagogy project with Agastya International Foundation

For years, LTTS has been working with Agastya International Foundation (Agastya) to nurture creativity and spark scientific curiosity among economically disadvantaged children. Our efforts have included support for various education-related initiatives, including the Mobile Science Lab (MSL) program, to help millions of students across India.

Under the MSL program, Agastya teams visited government-aided schools that lacked adequate laboratory facilities to provide hands-on education to the students. However, the COVID-19 outbreak

resulted in country-wide school closures and made conducting programs like MSL impossible. To minimize the damage to the students' learning process, LTTS and Agastya decided to take immediate actions and integrate online learning with hands-on approach to teaching.

As part of our renewed education intervention, Agastya trained teachers on how to use online platforms such as Google Classrooms, Google Meet, and Zoom as teaching tools.

Simultaneously, the team conducted online group activities for children via WhatsApp groups to keep them engaged in the fields of arts, crafts, and science. Agastya also developed a training module with a strong visual science-experiment component for the students. Under this 'Explore,

Play, Learn' (EPL) module, students were given hands-on assignments that could be performed at home using easily available materials such as plastic bottles, food items, and balloons.

After ensuring robust engagement, the Agastya staff started using Google Classrooms, Google Meet, and Zoom to conduct online classes. This activity was called EPL 2.0. Since June-July 2020, Agastya instructors have been conducting two online EPL sessions per day. To avoid any inconvenience to the students' guardians, most of these sessions were held early in the morning or late in the evening. The instructors also encouraged students to come up with specific problems and demonstrate how they can address them through small working models.

Besides this, the team also organized online events to raise awareness about the value of science among kids.



2833 online learning sessions conducted for students



359 topics covered through online sessions



8 virtual science fairs organized



3 teacher training programs conducted

Project locations:
Navi Mumbai, Kanchipuram, and Mysore



*<https://reliefweb.int/report/world/one-year-covid-19-education-disruption-where-do-we-stand>

Infrastructure Support to Women Research Scholars through Indian Institute of Science (IISc), Bangalore

IISc is one of the premier institutes for advanced education and research in science, technology, and engineering in India. For years, LTTS and IISc have been collaborating to build a holistic education system and we have previously focused on training teachers from government schools in conducting scientific experiments in Biology, Chemistry, Physics and Mathematics.

As part of its CSR initiatives, LTTS decided to help IISc's plan to provide infrastructure support to their women research scholars by partly funding the construction of a women's hostel within their campus. Currently, IISc has more than 25% female students, several of whom come from disadvantaged, backward regions of the country and cannot afford alternative accommodation outside the IISc campus. To address this, IISc and LTTS worked together to construct a new hostel complex for women research scholars.

This project helped women research scholars to have 24x7 access to the IISc on-campus research facilities, including the super computer center and



New hostel complex can house 172 rooms



Project locations:
Bangalore, Karnataka

Nano fab facility. This new women's hostel complex will encourage more women to take up higher education in science and engineering and help IISc to produce outstanding women scientists, engineers, and entrepreneurs.

In line with our CSR theme of 'Hand-in-Hand', we focused on collaborating with schools to help children learn cognitively and creatively. To do this, the ARCH team conducted training sessions for teachers on how to use free online platforms such as Zoom to connect with their students. After this, ARCH initiated its online science theater program.

Started in mid-August 2020, the online science theater sessions provided hands-on learning experience to the students over Zoom calls. These sessions were conducted early in the morning, late in the evening, and during weekends to ensure students had access to their parents' devices. To create a comprehensive learning experience, ARCH closely worked with schools to select the topics for

its science theater program. Topics were selected based on the students' syllabus.

The program also included sessions that helped students to conduct science experiments using the materials available at home. These efforts helped to increase the student engagement whilst sparking creativity and confidence in children. The students performed various science experiments live on Facebook based on the concepts and theories learnt during the science theater sessions.

Besides this, career guidance and stream selection webinars were conducted for students from 10th grades. For these webinars, ARCH invited several experienced speakers to help the students identify their potential and solve their confusion or queries related to stream selection.



2262 students benefitted from online learning sessions

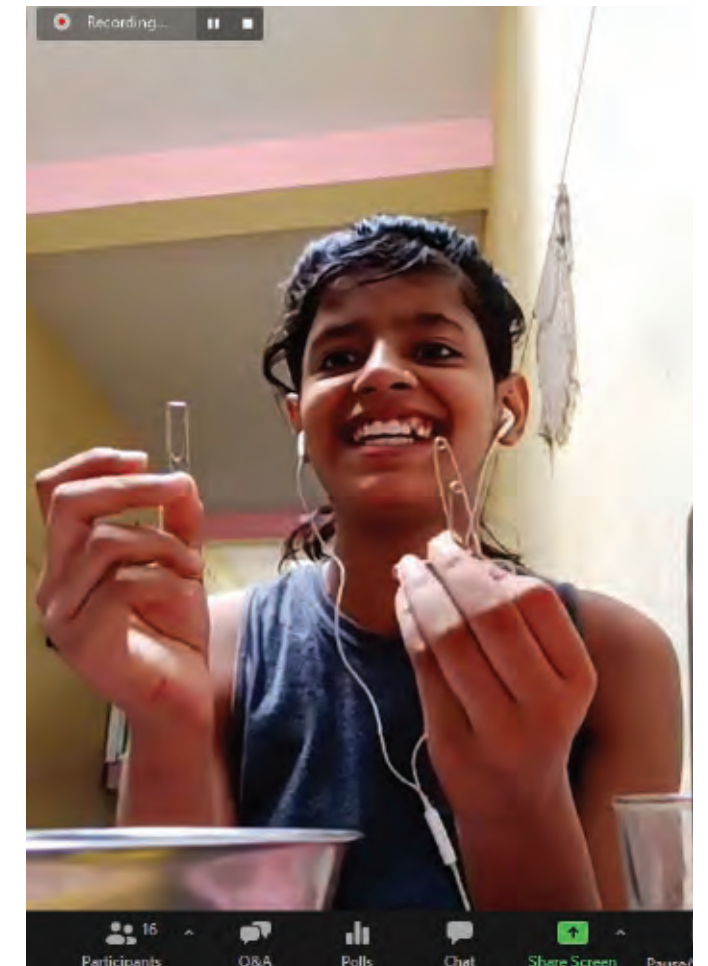


37 schools covered under the Maintenance of Mini Science lab



98 science workshops conducted

Project locations:
Vadodara, Gujarat



Multiple development projects with Indian Institute of Technology (IIT), Madras

IIT Madras is among the top engineering institutes in India. For years, it has been at the forefront of innovation and has helped numerous people to achieve their potential. For example, IIT Madras-incubated start-up NeoMotion aims to simplify the way elderly and people with disabilities move with its customized wheelchairs. Another IIT Madras-incubated company, BodhBridge Educational Services (BodhBridge), aims to help the youth select a career based on their strengths. In addition to nurturing startups, the institute also provides scholarships to the needy learners.



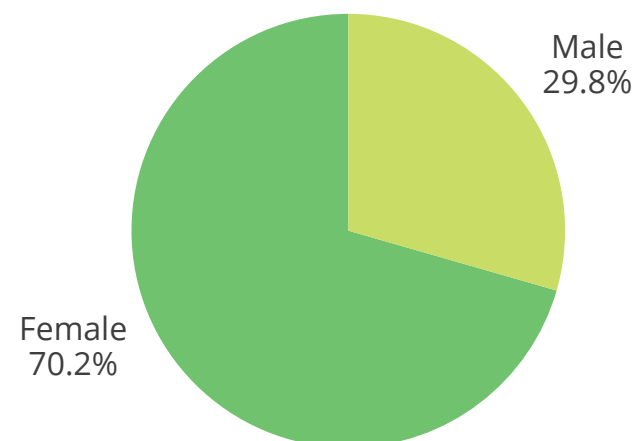
LTTS partnered with IIT Madras to carry out various projects during the reporting period as part of its CSR activities. We sponsored 100 customized wheelchairs to the beneficiaries. 20 of these wheelchairs had a motorable attachment that the user could attach to the wheelchair and use it to ride on the road. The wheelchairs have 18 user-based customizations and their smaller footprint, enable the user to access narrow spaces. The combination of wheelchair and motorable attachment is designed to improve the health, lifestyle, livelihood and mobility of people with disabilities. Specifically, this combo ensures higher comfort, maneuverability and ergonomics even on

uneven terrains. The beneficiaries were selected in collaboration with various NGOs and rehabilitation centers focused on mobility solutions for the physically challenged people. Due to the pandemic, sufficient handholding was provided to help the beneficiaries assemble and use the wheelchairs.

In addition, LTTS provided scholarship grants to help underprivileged students to enroll into IIT Madras' foundational level of the B.Sc in Programming & Data Science program. A total of 690 learners from across 26 states and UTs benefitted from LTTS' financial support.

We also supported a career guidance program, called My Choice My Future (MCMF). MCMF is an online career guidance solution that helps students and young professionals select the right career options. This program helped a total of 4854 students, which included 3408 female students. Specifically, the MCMF program provided guidance to high school, higher secondary, diploma, under-graduate and post-graduate students. The students sought career counselling on engineering & technology, police service, entrepreneurship, management, public administration and medicine & healthcare.

Lastly, LTTS provided grants to create an in-classroom studio facility for National Programme on Technology Enhanced Learning (NPTEL) in IIT Madras. NPTEL is a higher technical education portal that provides more than 500 online courses.



100 people benefitted from customized wheelchairs



690 students benefitted from B.Sc Data Science Scholarship



4854 students benefitted from career guidance program

This platform helps learners to get a certification from IITs and IISc. To record course lectures on an ongoing basis, a state-of-the-art studio facility and equipment was needed. Therefore, LTTS grants were used to build an in-classroom studio facility and purchase equipment such as cameras with remote controllers, computers, multi-channel recorder, and others. The new NPTEL in-classroom studio facility will now help thousands of Indians to upskill and cross-skill themselves.



A comprehensive learn-from-home project with eVidyaloka

Children from underprivileged and remote communities have very few opportunities to experience the benefits of learning from well-qualified teachers. This creates a great disparity between rural and urban students. To eliminate this disparity, LTTS and eVidyaloka have been leveraging digital technology to modernize the rural education system.

For years, our education-related interventions included programs that ensured quality teaching and learning in rural schools through digital classrooms. As part of eVidyaloka's 'digital classroom' program, the team set up digital infrastructure across different schools. This enabled the students to access high-quality education. However, last year, as schools were closed due to the pandemic, eVidyaloka initiated a 'Learn from Home' model to help children continue their academic growth. Under this module, the team continued to teach children through live online sessions. The only change being the location of eVidyaloka's digital classrooms. Students who had smartphones could attend the live sessions from the comfort of their homes.

The 'Learn from Home' sessions are supported by a strong collaboration between volunteers and

teachers. In these sessions, practical way of teaching is used to improve the students' learning curve. To encourage enthusiastic participation from the students, the team also conducted arts and crafts classes where volunteers demonstrated how to use readily available household items to conduct interesting science experiments.

In some rural areas, the 'Learn from Home' module faced challenges as many households did not have smartphones. Therefore, to reach children in such areas, eVidyaloka expanded its 'Learn from Home' module with the introduction of worksheets. Under the worksheet model, the volunteer teachers conducted classes through audio calls while class assistants visited the houses of each student to give them worksheets. These worksheets included all the necessary details and information required for self-learning. They also had an assessment section to help the teachers evaluate the student's progress and understanding. Besides this, eVidyaloka also equipped its class assistants with smart tablets and conducted classes at a community space where social distancing protocols could be easily followed. This way, each and every student in the target rural areas were given an opportunity to experience quality education.

Besides this, eVidyaloka piloted a 'Teach through Television' program in Tamil Nadu, Karnataka and Andhra Pradesh to ensure more students got



744 beneficiaries through LTTS sponsored centres



732 eVidyaloka volunteering hours

Project locations: Andhra Pradesh, Jharkhand, West Bengal



access to scholastic learning. Under this program, eVidyaloka collaborated with its broadcast partner to share educational videos on local channels. These videos feature a volunteer teaching Mathematics and Science in an interesting way to engage the kids.

Lastly, LTTS and eVidyaloka supported a student-led initiative in Ranchi, Jharkhand. Students from a school in Itki, Ranchi missed reading books from their library during the pandemic. Therefore,

they conceived the idea of a 'walking library', wherein they carried few books from their school library and shared them with other children in the community for few hours. With the support from LTTS and eVidyaloka, this initiative was taken to a higher level with the addition of a branded autovan. Thus, this 'Library on Wheels' initiative helped to reach more students from nearby villages.



Case Study

FEAR TO CONFIDENCE



Harini's interests include singing and dancing. Her father is a driver and her mother is a housewife. During the lockdown, the situation was very difficult as schools were closed. Harini was apprehensive when she was asked to join Agastya online sessions.

But now, she never misses her Agastya online sessions.

Agastya online sessions helps me to understand concepts in detail and I am able to know the nuances of science clearly". In addition, Harini learned that science could be found inside her house too. She was surprised when the instructors used materials easily found inside the kitchen and around the house to conduct various experiments and activities.

She said that staying home no more felt like a punishment.

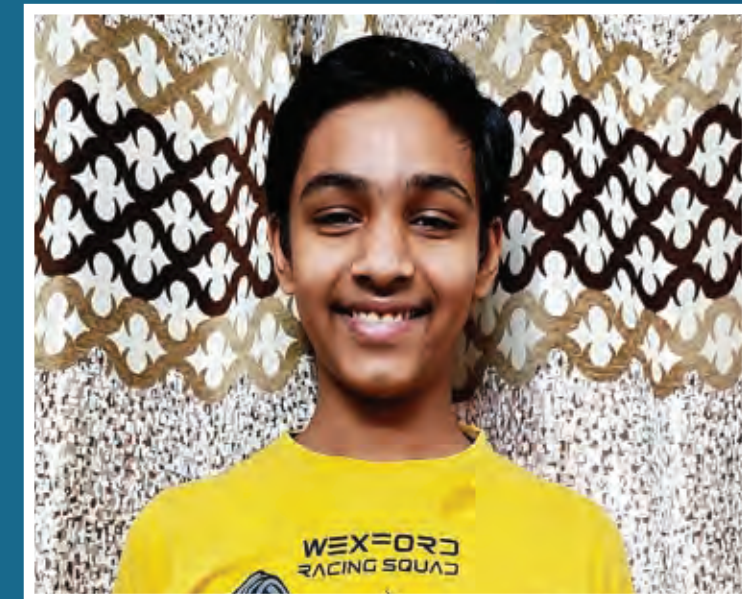
"I was happy to be home in the initial days of the lockdown but gradually it turned out to be like a punishment and my parents too were worried about my education. But once Agastya online sessions started things turned out to be a bliss



Harini

Student of Class 8, Walajabad town in Tamil Nadu

MAKING SCIENCE FUN THROUGH ONLINE TEACHING



Aaryan is a bright student who loves reading and drawing. Due to the COVID-19 pandemic, he could not step out of his house to meet his friends or go to school. However, ARCH's online science theatre program served as a silver lining for him.

Instead of getting bored at home during the lockdown, Aaryan attended ARCH's online sessions to learn different scientific principles. He also conducted multiple science experiments using the materials available at home. He says, "I felt extremely lucky to be a part of ARCH's online science theatre workshops. ARCH instructors explained everything in great detail, which increased my participation during the sessions. This helped me gain knowledge from different science experiments and projects. Thank you ARCH and LTTS for making science more fun and easy for me.



Aaryan Shah

Student of Class 8, Vadodara, Gujarat

SKILL DEVELOPMENT



Productive employment is the key to empowering the less privileged sections of society, enabling them to combat social exclusion and poverty. However, lack of relevant skills can curtail their employment opportunities. Unlike urban youth who are introduced to digital technologies from a young age, youth from the rural parts of India often find it difficult to pick up adaptable digital skills since they lack access to adequate resources. There is an immense need and hence an opportunity to impart digital skills to the rural youth.

LTTS is aware of this scenario and aims to address the skills gap in India. In line with our CSR theme - 'Hand-in-Hand, Towards a New India', we have continued to spearhead projects that increase digital awareness among the rural youth. The main objective of these projects is to empower the marginalized sections of society through robust training and skill development programs and increase their earning potential. During the reporting period, we leveraged our strong legacy in training to support a skill development program in Gujarat.





Bridging the Digital Gap, Empowering the Youth

A digital literacy project in Gujarat with L&T Public Charitable Trust

According to a Bloomberg News analysis, India is projected to have the largest workforce in the world by 2027*. With almost half of our population being under the age of 25, there is a lot of untapped potential waiting to be explored. However, a large number of these young people come from socio-economically disadvantaged communities and lack digital skillsets.

At LTTS, one of the main focus areas of our CSR initiatives is imparting basic job-earning skills to the unemployed youth. Through a close collaboration with L&T Public Charitable Trust, we are working to reskill unemployed youth by improving their digital literacy and other basic skills to increase their employment chances.

The team undertook digital literacy and office assistantship training sessions focused on imparting employable skills such basic computer literacy, accounting, English language proficiency, and much more. The digital literacy program is designed in partnership with IT advocacy group NASSCOM while the office assistantship course is as prescribed by National Skill Development Corporation. These programs, which include theoretical and hands-on trainings, have a defined syllabus and assessment process.

*<https://www.bloomberqint.com/global-economics/india-s-youth-are-the-world-s-future>



247 youth benefitted from digital literacy programs



60 youth benefitted from office assistantship courses

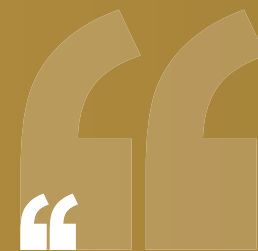
Project locations:
Kharel, Gujarat





Case Study

TOWARDS A BRIGHTER FUTURE



Ms. Disa Prakashbhai Tailor is from Gandeva. After completing her higher secondary, she joined a college at Navsari where unfortunately, she was struggling with her education. Within the second year of her college, she failed in some subjects and dropped out.

Disa's father was worried for her. Therefore, he started looking out for a good course for his daughter. At the same time, the mobilization team of Orion Education Society (Kharel) was doing a campaign in Gandeva. He inquired the details about this campaign and found a three-month skill building course of 'Office Assistantship' for unemployed youth. This course is affiliated to Sector Skills Council allows the trainee to get professional training and certificate whilst offering respectable jobs in industry.

From the very first day of training, Disa was eager to learn new things in computer. She learnt many system software as well as application software during training. Apart from this, she was also able to develop her soft skills, enabling her to make presentations on a given topic and presenting it in front of people.

The training helped Disa to crack an interview at "Suyaash Pharmaceuticals". She is currently working as Computer Operator and earning a monthly salary of Rs 8,500. She says, "I am thankful to L&T Technology Services, Larsen & Toubro Public Charitable Trust & Orion Education Society for providing me right direction in life. Special thanks to the Team and trainers who have helped me to know more and grow in my career."



Ms. Disa Prakashbhai Tailor
Gandeva

EMPLOYEE VOLUNTEERING



“Life’s most persistent and urgent question is, ‘What are you doing for others?’”
— Martin Luther King, Jr.

Volunteerism is undoubtedly one of the most selfless acts in the world. The wide-reaching impact of the deed can be felt by both volunteers and the communities they serve. While the volunteers benefit from the feel-good factor of knowing that their efforts are helping someone in need, those at the receiving end benefit from the time and contributions made by the people engaged in volunteering. Thankfully, the number of volunteers has been increasing every year globally and according to the United Nations Volunteer program, one billion people were involved in unpaid work that helped others in 2018*.

For decades, companies have included corporate volunteering programs in their philanthropic

strategy. Such programs serve as a way for companies and their employees to give back to the community. At LTTS, our employees participate in corporate volunteer programs with missionary zeal and enthusiasm. As the COVID-19 crisis caused widespread disruption in 2020, volunteers from LTTS took it upon themselves to play an important role in the success of both our business and its CSR endeavors. They contributed to multiple education-related interventions across the country to ensure students continue learning.

Nearly **111** LTTS employees dedicated approximately **1221** hours to volunteer for education-related CSR activities in fiscal 2020-21.



*<https://ilostat.ilo.org/interest-in-volunteering-reached-new-heights-in-march-and-april-2020/>



Making a Difference, Changing Lives

LTTs has a structured employee volunteering program to make it easier to volunteer in CSR activities each employee resonates with. The company regularly communicates various volunteering opportunities available across our CSR projects with the employees. In the past, opportunities included programs such as environment interventions where they could clean up and beautify public spaces, solid waste management activities where they could explain the importance of segregating waste at source and how it protects environment, and skill-building projects where they could help to upskill the community members.

Last year, most of LTTs employees dedicated their time to partake in education and upskilling programs that aimed to change the lives of underprivileged children and youth.

An e-volunteering initiative with ARCH Development Foundation (ARCH)

Several LTTs employees worked with ARCH to volunteer in an online volunteering initiative called the Angrezi Medium. Under this program, volunteers taught 'Spoken English' to students from government or trust-aided schools across India. The free-of-cost Angrezi Medium sessions focused on helping children gain confidence while speaking English.

Under this three-month initiative, ARCH and LTTs volunteers conducted online sessions for students under the umbrella of 'Expressions'. These sessions were dedicated to improving English speaking skills of the children through poetry, story-telling, song or speech.



24 LTTs employees volunteered for ARCH's Angrezi Medium project

186 students mentored by LTTs volunteers

560 volunteering hours dedicated to Angrezi Medium initiative

Holistic online pedagogy programs with eVidyaloka

LTTs employees also participated in eVidyaloka's online teaching programs such as Learn from Home (LFH), Leadership Curriculum (LC), and Teach through Television (TTT). Under the LFH project, our employees supported eVidyaloka staff to ensure students can continue their academic growth from their homes during the pandemic. The team conducted online sessions for children in Grade V-VIII for subjects such as English, Mathematics and Science.

Besides this, LTTs employees helped eVidyaloka in imparting education to rural students through the "Teach through Television" initiative. As part of this initiative, volunteers recorded video lessons in regional languages which were aired on local television channels in the rural areas to help students learn from their homes.



13 LTTs employees volunteered for eVidyaloka's programs

731 students benefitted from these programs

530 volunteering hours dedicated to eVidyaloka's teaching programs

The team also mentored students under eVidyaloka's Leadership Curriculum program, which aims to create young leaders who can contribute towards the betterment of their society. This three-month program focuses on helping children understand their potential and mentoring them to achieve their goals. The volunteers dedicate two hours per week to help the kids in their social projects.

An online-mentoring program with Foundation for Excellence (FFE)

Many employees also volunteered to enhance the employability of FFE's engineering scholars. Under the FFE mentorship program, volunteers shared their insights and experiences with the participating students and trained them based on the curriculum provided by FFE. The students were from financially constrained backgrounds and lacked essential career-relevant skills.

The online mentoring sessions aim to help FFE Engineering scholars acquire soft skills required to build the foundation for a robust career. The sessions cover topics such as communication, problem solving and decision making, work etiquette, personality development, time



74 LTTs employees volunteered for this project

74 FFE Engineering scholars mentored

131 volunteering hours dedicated to FFE Mentoring Program

management, career development, and stress management. Each FFE mentorship program runs for four-six months.

Employee Quotes

"I am Aakash Mishra, a Mechanical Engineer by profession and a teacher/mentor by passion. I am associated with the eVidyaloka NGO for the last couple of years through LTTS' CSR initiative. The main reason why I decided to volunteer is because I feel a strong desire to positively influence and educate children. There is a saying in Hindi 'Vidya Daan is Maha Daan' that translates into 'Charity of knowledge or education is the greatest charity'. Teaching just one child free of cost is the greatest charity since it will illuminate not only his/her life but their subsequent generations as well. It's really a great experience for me as a teacher to give something back to the society. Apart from regular classes, I was part of few other initiatives started by eVidyaloka like the Learn from Home, Leadership Curriculum program and Video Module Creation. During this pandemic when all the school and colleges were closed, it was very challenging to conduct even normal classes for the students. In rural areas with no proper access to internet or cell phone to attend online classes, I was regularly conducting my classes for these kids. Credit goes to LTTS CSR team and eVidyaloka team for their continuous support throughout so that no students should be left out or lose their precious year. I wish to continue doing this for as long as possible and help as many children in coming future."



Aakash Mishra
IP Machinery, Chennai



Mridula Prakash
CTO Office, Mysuru

"It's been four months into the FFE mentoring program and I couldn't have asked for a more enriching experience. I would like to thank the CSR team at LTTS to have encouraged such a noble initiative. When I first agreed to volunteer, I was a bit apprehensive as I have no teaching experience. Only later I found out that you don't need any. All you need is a willingness to fuel the teacher within you. It gave me an opportunity to work with an amazing student like Sagar. He comes from a small village close to Bangalore and though a very bright student, he was shy and under-confident due to his poor communication skills (especially in English). As the mentorship program progressed I saw Sagar improving and becoming more confident. Today, I am proud to say Sagar is a self-assured young man attending his job interviews very confidently. Would I do it all over again? In a heartbeat. In fact, I am planning to register for the upcoming sessions as well. Overall it taught me that the beginning needn't always have to be big to make a huge difference."



"Education is a journey from darkness to light. It is a necessary tool for human transformation. The progress of the nation relies heavily on education. As a nation we are yet to make a lot of progress in educating rural children. Many NGOs stand with the government as a helping hand for this transformative journey. One among them is e-Vidyaloka. They have leveraged the technology to provide online education to rural kids. e-Vidyaloka has setup digital classrooms in poverty stricken rural schools and expose students to a new world of education."

I found this an interesting approach to educate rural kids digitally. Having no prior experience of working in an NGO was completely a new exposure to me. I came across different students and teachers with diversified backgrounds and talents. I was fascinated when I got to know that people from abroad are also interested in teaching our rural kids."

I have 3+ years of experience in e-Vidyaloka teaching different subjects like Mathematics, Science and Kannada. I have had some unforgettable sweet memories in my life. My surprise visit to the school I teach remains the best moment. The excitement and happiness I saw in the eyes of those students is invaluable. I am proud of being a teacher in e-Vidyaloka. It has given me a sense of gratification in my life. And I will continue to do this throughout my life. I urge everyone to join e-Vidyaloka or such organizations and help transform the lives of millions. Experience the delightfulness in your life by teaching the needy children."



Navaneeth S Rao
ICT, Mysuru



Shyama Dash
Consumer Electronics,
Bengaluru

"Initially it was little challenging as I had no prior experience of teaching. However, the things settled later. I taught a group where standard 8th and 9th students were there. Each student was different and teaching them the fundamentals as well as covering their syllabus was my fundamental goal. It was a very different and unique experience to be part of the program. I also learned many things with the students."

LTTS recognized with Mahatma Gandhi Award for its CSR Excellence



LTTS has been awarded for the second consecutive year by this Institute under the category of Mahatma Gandhi Award for CSR Excellence. LTTS CSR project which as selected for the above award was for Solar Electrification of the Tribal Villages. Through this project, we have provided solar electrification to **124** households. We have maintained **39** solar lights in common areas including streets, community hall, anganwadi and school.



K N Prabhakaran - CSR Head of LTTS receiving the award from Mrs. Shally Jindal at New Delhi in Jan 2021

Solid waste management project appreciation letter from the District Development Officer (DDO) for Solid Waste Management Project of LTTS at Baroda.



Appreciation by BBMP special commissioner and twitter message from Special Commissioner (SWM) Randeep D (IAS) for under flyover project first year anniversary celebrations.



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