

CSR
ANNUAL REPORT
2017-2018

**We don't
see things
as they are,**

**we see
them as they
should be.**





At L&T Technology Services, we don't see unemployed youth from underprivileged communities. **We see an ambitious set of people who should be given the right opportunities.**

In differently-abled people, **we see young, capable and dedicated employees of the future.**

When we see a dry patch of parched land, we don't see emptiness, **we see how bountiful it could be after it receives water supply.**

This has become our CSR theme and philosophy. We harness the power of alternative and innovative thinking to re-imagine how the world around us will be. The way it should be.

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L&T Technology Services Limited (LTTs) is a subsidiary of Larsen & Toubro with a focus on engineering R&D services. Our customers include a large number of Fortune 500 companies. We offer design and development solutions that span the entire product development chain across sectors such as Industrial Products, Medical Devices, Transportation, Telecom & Hi-tech, Media & Entertainment, and the Process Industry. Our core expertise lies in the areas of Mechanical Engineering Services, Embedded Systems & Application Development, Engineering Process Services, Product Lifecycle Management, Engineering Analytics, Power Electronics, Machine-to-Machine and the Internet-of-everything.



CEO & MD's MESSAGE

“We, at LTTS, seek success not just in profits but also in the number of ‘smiles’ that we generate.”

We believe in constantly measuring our success. Success is not quantified by financial gains; it is much more than that. Professor Klaus Schwab, Founder and Executive Chairman of World Economic Forum, has famously said, “The concept of CSR has long been used as an effective lens to examine the actions businesses can take towards ensuring mutual long-term well-being and sustainability.”

We at LTTS, seek success not just in profits but also in the number of ‘smiles’ that we generate. If we can enable a large number of farmers in our predominantly agrarian economy to grow two crops a year instead of one, or if we can aid in restoring the vision of our fellow brothers and sisters, then, these would constitute our best achievements.

Caring through sharing

The needs of a nation with a population of over a billion people can be overwhelming for the Government as well as for non-Governmental organisations. Therefore, our CSR philosophy is based on reaching out to the many people of this vast country who are in need. We firmly believe that offering a helping hand can impact their lives in a positive manner.

We are constantly striving to harness the best of our talents and abilities, and identify opportunities to aid and assist communities in the country. In our endeavour to provide quality medical assistance, improve skill-sets of people and conserve water resources; we are taking a ‘visionary’ approach. Not only are we steering communities towards development, we are also honing young talent in the process.

We realise that we can help communities overtake the phase of poverty earlier if their children are well-educated. These informed and knowledgeable children of the future will be able to create opportunities for themselves, and not wait for an intervention to come their way. We have already taken the first step towards educating them in a way that benefits the nation. This is our long-term plan to break the vicious cycle of poverty.

Scientific education for a digital world

India is already known to be a country of engineers. However, this tag alone is not sufficient. The companies operating in this sphere have to be at the frontlines of innovation. Fifteen to twenty years from now, the world will look very different, unimaginable currently. A large number of great minds have already taken to the drawing board to chalk out the way this world will change in the times to come.

However, there is a burning question that organisations across industrial domains face – how to prepare students to be a part of the grand digital industrial design of the future? We believe that the solution to this query lies in quality science education and its effective delivery to students across the country. Children from underprivileged backgrounds are getting further and further away from newer modes of instruction as good education is turning expensive and elitist.

We, at LTTS, intend to bridge these gaps by equipping Government schools with science labs, and by training teachers to improve the standard of education in all the basic sciences including mathematics. As we all know, curiosity is the first step towards intelligence. We want our young minds to think scientifically and be a part of teams that innovate for a brave new world.

We used many creative ways to reach out to communities and help them. In our future endeavours as well, we want innovation to be an integral part of our organisation and all its operations, so that leaders from LTTS, young and experienced alike, are well prepared to leverage their scientifically enhanced capabilities and help not just the Company, but the entire country as well.



Dr. Keshab Panda

CEO & Managing Director, L&T Technology Services

DIRECTORS' MESSAGES



Sudip Banerjee

Member of the Board of Directors & CSR Committee

There is a cultural acceptance in our organisation, especially amongst the rank and file employees, to do something for society. This is the secret behind implementation of several successful projects. The CSR message is reiterated by top management while the real credit goes to our employees who volunteer their time. For us, CSR is not a hobby but a commitment to serve society.

L&T had a legacy of social work even before CSR became a mandate. In communities around its plants and offices, skill-building programmes have been successfully implemented. We have executed health and sanitation programmes in rural areas whose benefits are helping these communities. While many organisations donate money, we ensure that it is well utilised and benefits the target audience.



Arjun Gupta

Member of the Board of Directors & CSR Committee

LTTS has a rich legacy of caring, both within and outside the organization. Since our inception, we have been caring for our communities and will continue to do so. In fact, people are the key asset driving our activities and operations. This culture is core to our CSR programmes, where we delve deep into problems and help solve them with innovative solutions.

Our CSR programme is driven by strong convictions for positive change and measurable impact. We want to spearhead activities that convince people to make better choices. For example, we help provide innovative learning methods for children and take basic healthcare to people who do not have it. We also run integrated programmes for water-starved communities, where we ensure they receive 360° development, while improving water availability. We look to maximize the benefits of such programmes for the recipient communities.

Our employees are an integral part of our CSR activities. They volunteer for many programmes and invest their time to drive results. The total number of hours invested by LTTS employees is a testament to our organizational values, which in turn leads to transformative changes for our people and their communities.



Amit Chadha

President - Sales & BD, Executive Director

As a leading technology services organisation, we believe that people make all the difference, and the society that they are part of is equally responsible for their success. It is, therefore, our intent to uplift society and help enable those who are in need. It is this 'dharma chakra' that makes the world go around.



Bhupendra Bhat

Chief Operating Officer, Executive Director

I feel proud when I see the core values of our organisation reflected in our CSR activities. In our case, the core value is engineering. Our CSR projects like Braille products, high quality surgeries in villages and mini science labs are examples of 'social engineering'. All these activities play a key role in improving society. I would like to thank to all the volunteers who supported the initiatives. It is inspiring to see employees share their time and talent.



Paneesh Rao

Chief Human Resources Officer & Head CSR

Help, the right way

I am proud of our 'give something back to society' endeavour. Not merely because we go the distance with our help and aid, but also because of the 'depth' of our reach. It's our belief that CSR is not an obligation, but a responsibility.

Service comes from the bottom of our hearts.

It is said that most of our learning takes place before the age of five. Our early education initiatives go the extra mile and check if books are really imparting knowledge. We fill gaps in education methods with our initiatives to build a learning culture, especially amongst children from underprivileged backgrounds. These kids require extra attention, since they lack parental guidance in terms of education.

The mini science lab project provides infrastructure for practical exposure to students and ignites minds with curiosity. Our volunteers regularly engage with them to encourage students to take up science as a subject of interest, and develop a career around it.

Our deep interest and involvement in communities is helping design and devise methods that make a significant impact. This philosophy runs across the many activities in health, water, environment and innovation projects we run. In all the projects, we are including those who haven't been given ample thought – the differently-abled. Those with special needs have as much potential to contribute to society with their talent, and their skills should be honed.

Our innovation projects also allow us and others alike to see problems that can be solved through imagination, technology and engineering. This, we hope, turns into a remedy that can solve the problems of our vast populace.

CSR PARTNERS' MESSAGES

Dr. M R Ramasubramanian

*Executive Director
National Agro Foundation*

LTTS has lit the lamp in the lives of the people in Kolwadi cluster of villages in Pune District. It was an under-developed community that greatly benefited from watershed and natural resource management interventions.

Initiatives like creation of water harvesting structures not only solved the problem of drinking water but also provided water for agriculture and sanitation, impacting the community both economically and socially.

Organising the communities into village level institutions, improving their knowledge, skills, attitude and education of the younger generation has had a profound positive impact on the ground. The interest and passion displayed by LTTS in reaching out to the unreached is commendable. We are sure that the community would be empowered in the near future as it has already been set on the path of sustainability.

On behalf of the community, we at National Agro Foundation, as implementation partner of the project, are thankful to LTTS for their unstinted support in ensuring a healthy, literate and prosperous rural community.

Dr. S S Badrinath

*Chairman Emeritus
Medical Research Foundation*

We are very happy and grateful to be associated with LTTS in taking good quality ophthalmic care to the hinterlands with mobile eye surgical camps. Before MESU technology aided us, rural areas had less or no infrastructure that could enable safe and hygienic surgeries. With MESU technology, we have mini-operation theatres in the form of buses that allow us to reach the unreached. In the last five years that we used MESU technology, no complications were reported in all the operations that we performed. For us, it is a victory of sorts, to be able to bring light back to people's eyes.

Towards a Sustainable CSR Roadmap

LTTS is committed to promoting a culture of caring, trust, and continuous learning, while meeting the expectations of its stakeholders, and the world at large. As a responsible corporate citizen, we undertake several transformational initiatives that contribute towards community empowerment and all-round societal development. With strategic social investments in several key areas like healthcare, water availability, skill development and education, among others, we foster long-term sustainable community development, and drive growth initiatives that aim to make a meaningful impact in people's lives.

Our CSR Policy Framework outlines the mechanisms for undertaking several programmes in accordance with Section 135 of Companies Act 2013 and the Companies (Corporate Social Responsibility Policy) Rules, 2014.

The Company's CSR initiatives leverage our core capabilities and strengths to build a social infrastructure based on the twin pillars of innovation and technology.



To achieve these goals, we:

Implement planned and sustainable CSR programmes with an objective to 'Build India's social infrastructure'

Collaborate with communities, institutions, and NGOs to promote skill development, water and sanitation awareness, and health and education

Leverage technology and innovation-based solutions to closely address social needs and issues

Facilitate the development of a progressive, model society with a high quality of life devoid of inequities

Empower individuals in socially, educationally, and economically backward communities to achieve their potential



EDUCATION

The Indian education system is slowly adapting to the requirements of the digital world. LTTS is helping hasten the process by sharpening the learning curve of school children; and particularly generating interest in science streams. Young children with a scientific bent of mind can change the way the digital world unravels, in the future.



SKILL DEVELOPMENT

The Company is expanding its strong legacy in training to support large-scale skill building programmes. Imparting basic job-earning skills to uneducated youth from underprivileged communities is one of the main focus areas of LTTS' CSR initiatives.



HEALTHCARE

LTTS is taking good quality healthcare to rural areas in the form of medical camps. In a pathbreaking solution using mobile eye surgical units, the Company is conducting cataract operations for the needy, in the hinterlands, to help eradicate avoidable blindness.

CSR THEMES



WATER

LTTS' initiatives promote integrated development of water-starved villages with water management and conservation activities. They help improve water supply to crops and communities, and augment crop yield. It also undertakes educational and health programmes that improve the quality of life of communities.



INNOVATION AND TECHNOLOGY

LTTS supports and undertakes the creation of innovative products and processes that can alter the lives of many people. Its initiatives re-imagine common social problems and help solve them with simple, tech-enabled solutions using the power of alternative thinking.



ENVIRONMENT

LTTS is modernizing the mode of energy consumption of unelectrified communities, by providing them with a sustainable source. Renewable energy can bring many advantages to tribals, by reducing their costs and consumption of fossil fuels; and improving their health condition.

POLICY AND PROGRAMME FOCUS



OUR CSR PHILOSOPHY

LTTS fosters a culture of caring, trust and continuous learning. As a part of our social responsibility, we contribute towards inclusive growth by empowering communities and accelerating development. Our social initiatives address community needs by building infrastructure and driving sustainability programmes in the areas of health, education, environment, water conservation and community development.

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

CORE STRATEGY AREAS FOR OUR CSR PROGRAMME

LTTS is committed to improving the lives of communities living in the vicinity of its operational centres. We assist these communities by creating sustainable livelihoods, opportunities and empowerment initiatives.

We focus on five core areas for our CSR initiatives. These include water conservation, education, health, skill development and technological innovation. In the areas of education and skill development, we support a wide range of activities aimed at making students employable with the right skills, abilities and knowledge.



EDUCATION



SKILL
DEVELOPMENT



HEALTHCARE



WATER



INNOVATION &
TECHNOLOGY



ENVIRONMENT

CSR AND OUR BUSINESS

As a responsible Corporate Citizen, the Company leverages its inherent strengths and capabilities to build India's social infrastructure.

To this end, we shall:

- Implement sustainable CSR programmes towards building India's social infrastructure
- Partner with communities, NGOs and institutions to create a positive impact in areas of water and sanitation, education, health and skill development
- Harness technological innovation to address social needs
- Strengthen systems and processes to achieve measurable results

Our aim is to improve the quality of life, mitigate social inequities, and help individuals in underprivileged communities achieve their true potential.

Corporate Social Responsibility Policy

The Board of Directors of the Company will:

- Approve the CSR Policy of the Company
- Ensure spending at least 2% of the average profits during the three preceding financial years
- Disclose the content of the CSR Policy in its report and showcase the Policy on the company's website as prescribed under Section 135 of the Companies Act 2013, read with the Companies (Corporate Social Responsibility Policy) Rules, 2014
- Ensure that all social programmes/ projects undertaken are aligned to the CSR Policy of the Company
- Specify reasons in its report for not spending the earmarked amount in case the Company fails to make the necessary CSR investments.



L&T Technology Services

For our detailed CSR Policy, visit <http://www.lnttechservices.com/about-us/csr>



CSR COMMITTEE

The Board has formed the CSR Committee in accordance with the requirements of the Act.

Responsibilities of the CSR Committee:

- Formulate and recommend the CSR Policy to the Board for approval
- Monitor the Policy regularly
- Recommend the projects / programmes to be undertaken with detailed justification
- Evaluate and constitute a transparent monitoring mechanism to ensure implementation of the CSR programme
- Facilitate effective implementation of CSR policy
- Periodically review the CSR policy, implementation of various programmes, and the actual impact on community development.

CSR REPORT

L&T Technology Services Limited fosters a culture of caring, trust and continuous learning. As part of our social responsibility, we contribute toward inclusive growth by empowering communities and accelerating development. Our social initiatives address community needs by building infrastructure and driving sustainability programmes in the areas of health, education, environment, water conservation and community development.

The Company's CSR Policy framework details the mechanisms for undertaking various programmes in accordance with section 135 of the Companies Act 2013 and the Companies (Corporate Social Responsibility Policy) Rules, 2014.



CSR MONITORING AND REPORTING FRAMEWORK

The Company has constituted a mechanism to monitor and report the progress of its CSR programmes at various locations. CSR Teams will be responsible for monitoring and implementing the programmes.

The CSR Team will:

- Review the projects, analyse their utility and efficacy, and suggest suitable modifications in line with the CSR policy.
- In case the projects / programmes are to be executed through partners, the CSR Team will verify and establish the credibility of such partners.
- Ensure compliance of the rules / regulations / law by the partnering agency. Conduct quarterly, half yearly and annual audits of the partnering agency.
- Ensure that the partnering agency submits periodic reports to our CSR Team on the operational status.
- Conduct CSR audits once in a year and report discrepancies, if any, to the CSR Committee.
- Conduct mid-course reviews and recommend modifications if warranted.

CSR PROGRAMME IMPLEMENTATION

CSR programmes will be undertaken by the Company in identified areas. The Company will also undertake assessments as and when required.

The Company will undertake its CSR activities either directly as projects / programmes / activities or through a Registered Trust or by making contributions to the CSR team of the holding company.

The time period / duration for a particular programme will depend on its nature, extent of coverage and the intended impact of the programme.

The Company may enter into partnerships with the Government, business partners and communities to create a multiplier effect of its social programmes.

The Company may use the services of internal teams, employee volunteers, expert agencies, and consultancy firms for conducting base line surveys, impact assessment surveys and guidance on programme design and implementation.



NAF co-ordinator explaining the impact of water conservation measures to villagers in a water-stressed area.

PROJECTS AND LOCATIONS

KHAREL, ANAND & VADODARA

Skill Development and Education

MUMBAI, NAGPUR & PUNE

Skill Development, Education and Water

BENGALURU & MYSORE

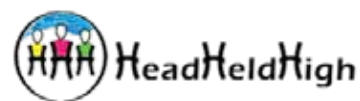
Skill Development and Environment

CHENNAI

Skill Development, Health, Innovation and Technology



PROJECT PARTNERS



GLOBAL GOALS AND OUR IMPACT

HEALTH

4,162 People were screened for various ophthalmic ailments
675 Free cataract surgeries were performed

EDUCATION

26,525 School students benefitted from our programmes
169 Teachers gained from training programmes
1,415 Young men and women were trained in a variety of skills
100 Different-abled youth can now find financial independence

WATER

8,000 Hectares of land across Maharashtra and Tamil Nadu to have increased ground water tables
10,000 Farmers will benefit from our watershed development efforts

INNOVATION

Jointly developing assistive technology solutions for differently abled people with IIT Madras

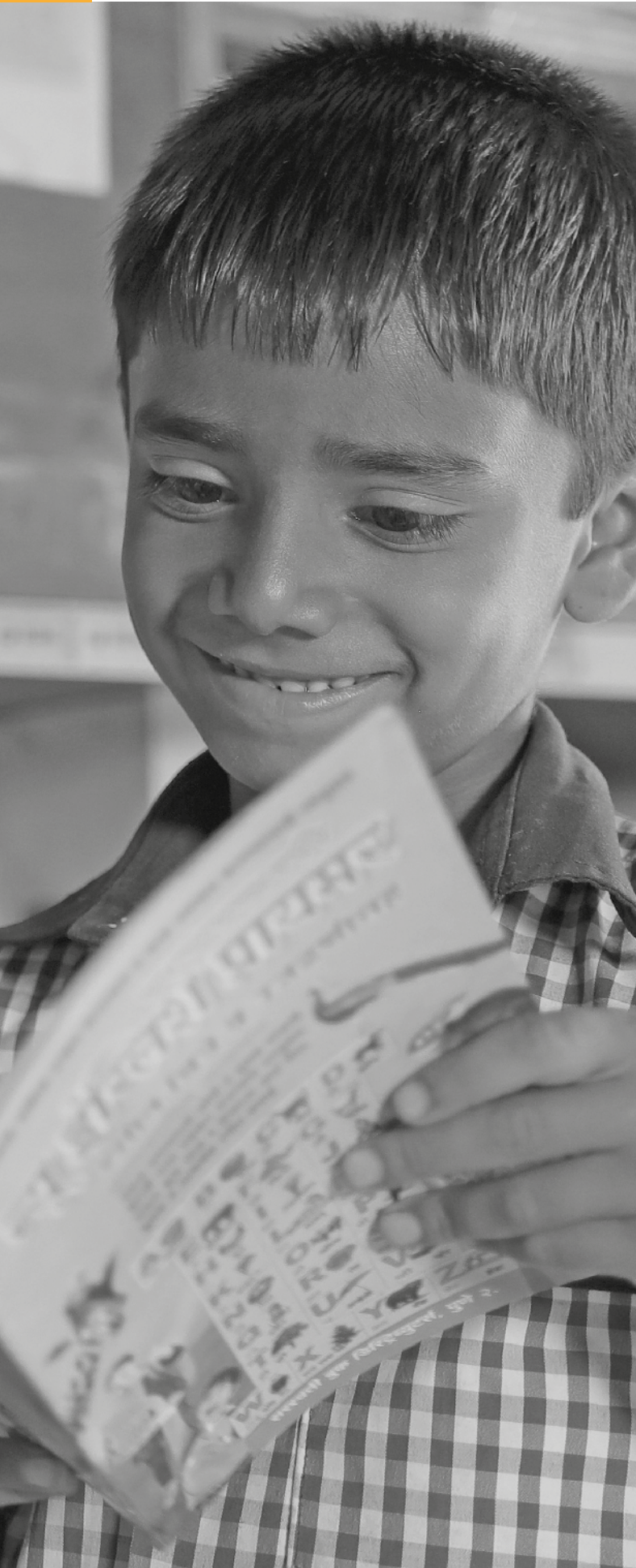
SUSTAINABLE CITIES & COMMUNITIES

Decongesting traffic in Chennai and other metros through low-cost alternatives and scientific means

CLIMATE ACTION

220 people from **60** households in a remote tribal colony in Karnataka received electricity for the first time through a solar project



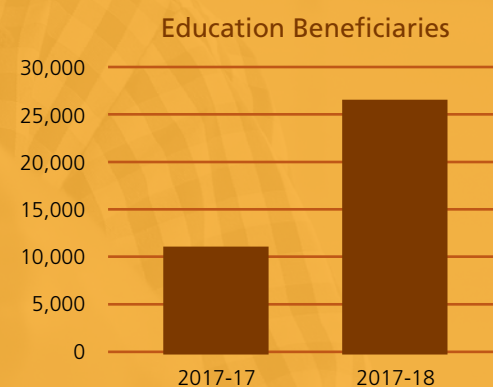


EDUCATION



Modelling India's Scientists

The Indian education system uses traditional methods of instruction, which does not equip its students with digital-age competencies. It relies largely upon imparting bookish knowledge, even as the world is focusing on innovation and creativity. In addition, fewer students are enrolling in science streams each year, depriving the country of the human capital necessary for its scientific and technological advancement.



LTTS has taken up several activities, in partnership with NGOs, to upgrade education in the sciences. We are doing so by devising new-age methods of instruction, equipping municipal and rural schools, and preparing underprivileged children for a tech-powered society of the future.

LTTS Interventions

LTTS has taken a three-pronged approach to improve the standard of education in schools. The first method is to provide infrastructure to teach science in the form of labs and centres. The second is to train and educate teachers with required skills and capabilities to impart first-class education. The third is to reach out to students from underprivileged communities with workshops, summer camps and other educational activities.

Over 26,000 students have gained from LTTS's education programmes in 2017-18. The number of beneficiaries more than doubled in the current year, as compared to the year before.

Sowing the seeds of science

The Indian education system's heavy reliance on theory and textbooks provides its students with little or no exposure to practical training. Consequently, a large section of Indian students remain under-educated in key subjects. While a few modern schools have expanded their infrastructure, public schools with limited funds at hand, continue to remain ill-equipped.

Schools in villages and poorer localities struggle with basic infrastructure like desks and chairs, making it a faraway dream for them to own and operate a well-equipped science lab.

New learning modules

LTTS and its NGO partners devised teaching-learning methods that could spark students' interest in disciplines like science and mathematics, and orient them towards engineering and technology. Their new-age learning methods allow students to experience and identify products that can be produced from theoretical concepts. To aid such holistic growth, LTTS successfully installed mini science centres in Government and Government-aided schools, benefiting around 23,000 students with new learning concepts that helped improve their learning curve.

Mini science lab projects

LTTS, in collaboration with ARCH Development Foundation and STEM Learning, launched a project to equip Government-aided schools and municipal schools with science labs. The objective of the project is to provide children from underprivileged backgrounds with high-quality learning aids that spark curiosity, simplify scientific concepts and introduce the concept of 'practicality' into teaching. Mini Science Labs raise awareness amongst children as well as teachers. They help understand and exploit the value of learning science with a hands-on approach.

A mini science lab has a range of 60 table-top working models with backdrops and manuals in local languages. The models are aligned to school curriculum for students between Classes V to X. The chosen schools were willing to take ownership of the project, provide space for the lab, and electrical connections for the equipment.

Prior to the implementation, teams travelled to the schools to inspect the space provided, its level of cleanliness, tables and electric points. A meeting with the school Principals was held before the process was initiated. To successfully implement the labs, a teacher from the beneficiary school was appointed as a supervisor.



Learning camps in Anand

LTTS provides structured learning programmes in association with Pratham Foundation, in Anand, Gujarat. These learning camps are intense, short bursts of teaching-learning activities that are repeated several times in the same village or a school through the year.

The camps focus on improving reading and arithmetic levels of children between Grades III to V. However, team members also aided students from Grades I and II. The camps are set up during school hours, with participation from school teachers and local volunteers.

The camps do not merely plug learning gaps but also attempt to create an environment that supports learning by children. To ensure that the effects of the camps remain with them for a long time, the teams provide them with appropriate study material and foster a culture of group learning. The teams also work with the parents and older siblings of students to garner support from the community to enhance the education standards of children.

Some of their activities include conducting:

- **Science programmes** with a focus on hands-on experience to nurture curiosity in children and help them understand scientific concepts.
- **Thematic workshops** on topics like 'human body', 'skeleton', and 'nature exploration'. During these workshops, children carry out various activities like model making. Six such workshops were conducted during the year.
- **Science Fairs** for children to create simple models and explain their working.
- **Community activities** to create awareness and popularise science learning in the community through workshops on topics like food adulteration, solar energy, water and sanitation. Poster competitions and quizzes were held to encourage healthy competition. Through the Pratham activity, LTTS helped over 2305 students from 25 schools.
- **50 Community libraries** were aided for which, students assemble at a home for group study (fun games / puzzles / activity study) under the guidance of a volunteer from the community.



Training the teachers

LTTS joined hands with the Indian Institute of Sciences (IISc) Bangalore to train teachers from Government and Government-aided schools. The training programme improves the proficiency of teachers across subjects like Biology, Physics, Chemistry and Mathematics. They, in turn, can be instrumental in enhancing the quality of education for students in Standards XI and XII.

The intense 21-day residential training was held for 118 college teachers in Challakere, Karnataka. Faculty from IISc Bangalore took up the role of trainers. The teachers were divided into four groups and each group was made to perform 80 experiments. They also attended 60 hours of lectures, amounting to a total of 180 contact hours through the programme.

The programme, designed by the IISc faculty, sharpened the practical-based skills of teachers. They conducted experiments on concepts like viscosity of liquids, universal gas constants, conservation of linear momentum, etc. These experiments were in line with the syllabi they teach. The teachers were also given Maths problems to solve, as a part of the learning process. The teachers were also tested before and after the programme to assess the effectiveness of the programme. It was observed that test scores of the participants went up significantly after the training.



Jugaad: Learn with play

An innovative workshop called Jugaad was conducted for teachers in Vadodara to spark out-of-box thinking and innovation. The workshop by LTTS and ARCH introduces an element of gamification into the instruction of scientific principles. The workshop helps inculcate an ability to design and create their own toys and games from waste and other material, while applying scientific principles.

Gamification helps teachers relieve children from constant academic pressure, providing them with space and time to explore their creativity. The objective of the workshop is to allow students to constructively utilise their leisure time. More than 95% of the teachers connected with the programme, rated it as excellent. They were happy to report its positive impact and also requested videos of the workshop to educate their students.

Fun with Maths: Student summer camp

Learning assessments conducted by LTTS showed that a large number of children had difficulty in understanding basic concepts of math. Assessments of learning levels in 760 students from Std I to V showed that 58% students scored below 30%. To remedy the situation, an activity-based summer camp was organised for students in Vadodara where concepts like counting, units and tens, missing numbers, ascending and descending orders, succeeding and preceding, 'less than' and 'more than' were taught.

Vedic Maths workshop for teachers

New and alternative methods of solving lengthy Maths problems and verifying answers was taught to 18 teachers from eight schools in Vadodara. This training programme is the first of many that have been planned in the series. The participating teachers were enthused enough to request the authorities to hold similar workshops for students in Std. X.

OUR BENEFICIARIES



The mini scientists of Vadodara

In contrast to its name, M.E.S. Boys' High School of Vadodara is co-educational. The school, with modest facilities, educates students from underprivileged backgrounds – children of rickshaw-pullers, cobblers and milkmen.

Their school received a mini science lab, which excited and enthused its students, and turned science classes into an adventurous learning experience. As the students conducted live experiments in the lab, they delved deeper into scientific concepts and their grades improved.

Within two years of receiving the lab, the students have groomed themselves with scientific skills and are now keen on careers in engineering and medicine.

They participate enthusiastically in science fairs, quizzes, poster competitions and debates. The students and teachers of the school are preparing for state and national level competitions like ITM University Jarrad's science fair and an annual Bonsai workshop. To improve the prospects of their students, their teachers are attending training programmes to hone their own skills.

The enthusiasm of students is not restricted to science alone. They have become active participants in programmes like Swachh Bharat Abhiyan, Save Water, Tree Plantation, Save Electricity, apart from other essay writing competitions and art melas.



MookhBadhir students leave judges spellbound!

LTTS helped instal a mini science lab at Smt. Kamalaben Badhir Vidyalaya, a special-needs school for deaf children. It is popularly known as MookhBadhir School in Vadodara. Two years after the installation of the science lab, the team which was conducting routine visits realised that children were not exploiting the facilities as they lacked confidence and motivation.

To enthuse the children who had acquired a pessimistic attitude due to their limitations, the team suggested that they participate in a science fair and a quiz. The Principal and the teachers were grateful but were also uncertain of their students' response. With persuasion and counselling, the children agreed to take part in Eureka Science Fair 2017. As they prepared for the fair, their boredom and listlessness was replaced with dedication and excitement.

It's all about winning

The competitive spirit ignited a passion in the students. They spent the next few weeks obsessed with their speeches at brainstorming sessions. They worked on difficult scientific concepts to quickly comprehend them, and rehearsed their presentations.

As a result of their hard work, the MookBadhir school won the Best School Trophy at the fair, competing against hundreds of

students across schools. They also bagged the first and second positions in all the categories, leaving the judges spellbound with their performance. Their victory at the science fair showed a visible improvement in their outlook towards education

Spoils of victory

Today, those who visit MookBadhir school see a bunch of motivated students. The students view inter-school events and competitions as an avenue to express, learn and showcase their talent. They also participated in other events like Khel Mahakumbh and the Vadodara Marathon. These changes are only the tip of the iceberg, as these motivated and confident children are all set to explore their innate talent.



SKILL BUILDING



Training India's Future

The Indian employment market is an unamusing paradox. On one hand, the country has an enormous number of unemployed or under-employed people are waiting for jobs and opportunities. On the other, many industries face a dearth of candidates with the requisite skills. LTTS works towards filling the burgeoning skills gap and empowering young men and women with job-earning skills.

Most of LTTS' work in this area, conducted in conjunction with NGOs, concentrates on improving the economic condition of underprivileged communities who are stuck in a vicious cycle of bad wages, lack of education and poverty. LTTS also works towards the employment of the differently-abled and ensures that they receive job-worthy skills with specialised training and care.

	Programme	Beneficiaries
1	Head Held High	100
2	LabourNet	1,100
3	L&T Public Charitable Trust	145
4	ARCH Development Foundation	60
	TOTAL	1,415

LabourNet programme

The LabourNet programme targets individuals who lack education and formal training. LTTS aids this programme, which reaches out to communities and employs mobilisers to convince suitable candidates to enrol in training courses, sparks ambition in them and imparts the soft skills necessary for jobs across industries. They also help candidates prepare for interviews, and aid with placements.

LabourNet has training centres in Chennai, Bengaluru and Mumbai. These centres set internal targets for enrollment and placement of candidates after successful completion of courses, and finding them jobs. They also motivate the candidates, who are mostly school dropouts, understand the importance of training and education.

Focus sectors

The areas in which LabourNet undertakes training include:

Retail sales

Beneficiaries are trained in basic sales processes like selling, stocking, billing, and assisting, along with the soft skills required for customer servicing.

Domestic electricals course

The course teaches basic concepts of electricity, electrical accessories, conductors, insulators, shocks and earthing. It builds the ability to identify tools and joints.

Automotive service training

The course teaches the repair and maintenance of two-wheelers and three-wheelers; along with functioning of components and aggregates of a vehicle and the importance of tools. They are also taught basic computer functions and imparted communication skills, work ethics and professionalism.

Beautician course

The trainees are briefed about the beauty industry, and trained in salon procedures, equipment handling and maintenance.

Tailoring course

As a part of this course, the trainees are taught cutting, measuring, sewing apparel, as well as how to handle tailoring tools. They also learn the uses and parts of a sewing machine, as well as embroidery.

Leather stitching course

The trainees are taught to carry out basic operations on leather, like stitching jackets, wallets, belts and other leather products. They are also briefed on industry and regulatory standards, organisational requirements and the importance of compliance.



Naya Savera builds an inclusive society

LTTS, along with an NGO called ARCH Development Foundation, devised a programme named Naya Savera, which imparts skills to the differently-abled. Full-fledged employment can help them overcome the discrimination and social prejudice to which they are often subjected.

LTTS is working towards creating an inclusive society by improving access to essential services for the differently-abled, and improving their employability. Naya Savera was kicked off in 2017, with activities in Nagpur. Later, it was extended to Vadodara and Surat. Persons with partial hearing impairment, orthopaedic deformities and mild mental deformities are chosen for this programme.

Naya Savera strives to train candidates and transform them into competent, confident and skilled job-seekers. Classes and sessions are held to improve their spoken English, typing skills, computer skills and soft skills. They are also briefed on various Government schemes, and taken on field visits to organizations to gain hands-on experience.

In 2017, training programmes were launched at Surat in addition to Vadodara at Tops Technologies.



The training programmes covered:

Computer training

Sessions in Microsoft Office (Word, Excel, Powerpoint), Coreldraw, Photoshop, In-design and Illustrator were held.

Web designing

A special course was conducted for students who wanted to pursue it as a profession.

Typing skills

Students who were trained to be data entry operators could function more effectively.



Communication skills

Training sessions were conducted to improve English language skills. Also, special language skills were taught to the deaf and mute.

Soft skills

Special sessions were conducted on professional conduct, office etiquette and body language.

OUR BENEFICIARIES



Building skills to bank on

Parth Kansara was born with a rare orthopaedic deformity that affected both his legs. He had undergone 19 surgeries over twelve years, starting from the age of seven. While his friends from school would enjoy summer vacations, Kansara would stay at the hospital, recovering from a surgery.

Due to constant hospitalisations in his formative years, Kansara struggled with his school work. Nevertheless, he completed his schooling in Gujarati medium with ambitions of taking up a job in the banking sector. However, he faced many challenges, the first being lack of command over the English language.

After attempting and failing to clear the Banking Exam thrice, he was all set to give up. During these dark periods of disillusionment, he enrolled in the Naya Savera programme. As part of the programme, he was trained in English language skills, computer skills, soft skills and etiquette necessary for a job in the service industry. Needless to say, he realised his dream of working in the banking sector. Now, he is one of the most responsible and loved employees at his workplace.

OUR BENEFICIARIES



Housewife turns entrepreneur

V Jeevitha from East Tambaram in Chennai was a housewife with three children. Her husband is a civil worker. She heard about LabourNet's tailoring course from a friend, and enrolled in it and learnt the intricacies of the trade.

Jeevitha set up her own tailoring shop which employs four people. She is happy with the many work orders she receives from apartment buildings close by. She uses her earnings wisely for her children's education and for the family. Her parents and her husband are extremely proud of her achievements.

Daily-wager's wife turns job-holder

V Rekha from East Tambaram had to discontinue her education after Std. X due to the financial troubles her family faced. She was married to a daily-wager.

Her need to gain financial independence led her to enrol in the leather stitching course at the LabourNet centre. She enjoyed the practical exposure she received, as she gained knowledge of different types of leather and leather material. Now, she stitches leather bags, wallets and belts for a company called Excel Enterprises, earning ₹ 6,000 per month, an amount that helps her financially and personally.



A sparkling new career

Nirmal Suresh from Chrompet met a LabourNet mobiliser, who informed him about the centre's activities. Suresh had to quit education after Std. XII to work with his father as a watchman. He would also take up extra jobs as a wall cutting and chipping worker.

At the centre, Suresh learnt the intricacies of the electrical trade. He successfully picked up skills in electrical wiring and repair of home appliances. Now, he works with a local electrician as an assistant, and earns around ₹ 400 per day. Over time, Suresh wants to set up his own electrical shop.

Dream job in the auto sector

Rushikesh Rawool Kalwa learnt about LabourNet's activities through a social media campaign. As a child, he had nurtured ambitions to become a technician in the automobile sector. He has been taking informal lessons from his father, who is a farmer.

He enrolled in a course on automobile technology at LabourNet centre. After acquiring the skills essential to become an automobile service technician, he secured a job at his dream company, VJ HONDA. Along with technical knowledge, Rushikesh was trained in communication skills, which helped him sail through the interview. Going ahead, he wants to become an entrepreneur, after acquiring skills and experience in the auto sector.

HEALTH

SPARSH

Eradicating Blindness

India has the dubious distinction of being home to over 18 million blind people, about one-fourth of the world's blind. Woefully, many of the victims suffer from treatable conditions.

Cataract is the major cause of avoidable blindness in India, with an extremely high prevalence rate. Rural areas have a high concentration of this condition due to the lack of trained ophthalmologists in villages. Ignorance and lack of awareness of one's condition leads to under-utilisation of the meagre public health services. The Government and public health bodies too lack the capital to improve primary and secondary eyecare facilities in rural areas.

LTTS' initiatives to cut the incidence of blindness

Afflictions like blindness can be crippling for families of daily wage earners. These diseases will leave them incapacitated and destitute, dragging them deeper into poverty. At the same time, they lack the capital to afford travel expenses and the cost of attendants for hospital stays. Their treatment expenses cripple them financially, leaving them indebted for years.

In 2017, around 4,162 patients were screened and 675 patients were operated via mobile eye surgical units, and provided with spectacles.

Outreach camps

Health camps are organised periodically in rural areas with a high concentration of disadvantaged communities. The camps, organised by LTTS along with Sankara Nethralaya, emphasize on high quality of care. The camps screen community members for vision-threatening diseases, and provide referral services along with affordable and quick rehabilitation of patients diagnosed with diseases.

Apart from a refractionist and other experts who travel from Sankara Nethralaya, the camp is supported by local volunteers from schools and colleges. The camp sponsors travel to the target area to gather patients and screen them for possible eye diseases. Those patients who require surgery are counselled accordingly, and given referral cards for further action.

Two-in-one mobile operating units

LTTS joined hands with Sankara Nethralaya and IIT Madras who came up with a breakthrough solution to remedy the lack of eyecare facilities in rural areas. The first-of-its-kind Mobile Eye Surgical Unit (MESU) project involves creating mobile, comprehensive and sustainable eyecare systems that can travel to hinterlands, reaching those in need and delivering these services free of cost.

The unit, designed by scientists from IIT Madras, includes many areas required for a surgery, such as sterilisation area, anaesthetisation area, patient-monitoring area, instrument storage area and instrument cleaning area. These areas are truncated into two buses which travel independently and can be joined to make a functioning surgical unit. This project received approval from the Government of India, Ministry of Health and Family Welfare.

After an eye examination, patients identified with cataract and found fit for surgery can be operated at the camp site itself. The patient is allowed to go home after spending two hours in observation after the surgery. Such patients can report next morning for a post-operative check-up. An ambulance is stationed at the camp site during the surgery in case of an emergency.



Health camps

LTTS takes a holistic approach towards the eradication of preventable blindness. LTTS not only supports the camps financially but also helps spread information on the dates and times of camps, to ensure that beneficiaries gain maximum advantage.

In FY 2016-17, LTTS in Chennai started supporting Sankara Nethralaya in the MESU project. With LTTS' aid, five MESU camps were successfully organised in Tamil Nadu and Andhra Pradesh.

In 2017-18, five more camps were organised in Tamil Nadu and Andhra Pradesh.

MESU camp FY 17-18					
MESU camp location	State	Total Patient Screened	Patient Operated and provided spectacles	Male	Female
Uthiramerur, Kancheepuram Dt.	Tamil Nadu	614	113	60	53
Mantralayam, Kurnool Dt.	Andhra Pradesh	952	170	90	80
Thirukovilur, Villupuram Dt.	Tamil Nadu	1,175	129	76	53
Sappanipatti, Krishna Giri Dt.	Tamil Nadu	643	113	46	67
Engan, Thiruvavur Dt.	Tamil Nadu	778	150	67	83
Total		4,162	675	339	336



OUR BENEFICIARIES



Reaching the immobile

The helpless 75-year-old S Kaliyappan had no one to help him regain his vision, lost due to cataract. His son was a daily labourer. With no neighbours to help, he was unable to travel to the MESU camp. The team picked him up from his home and dropped him back after the surgery, as a jubilant Kaliyappan regained his eyesight.



Friends to the friendless

N Baby, a 50-year-old, was suffering from cataract for years. She had no relatives who lived close by, and few would offer help to take her to a hospital. MESU's eye camp which came right to her village was a blessing which brought back a smile to her face.



Date with doctors

The 64-year-old M Kanuswamy could never get hold of doctors at the Government hospital, though he visited it many times. The visits too were arduous since he had to request someone to accompany him on every trip. MESU came to his hometown like a God-send, he says, to treat him.



Scared no more

V Natesan, a 60-year old, had suffered from cataract for over a year because he was scared of undergoing an operation. When he heard of how his neighbour was operated successfully, he too came forward to the MESU camp. He is now happy with his regained vision.



Back to work

I Rangasu, a 61-year-old, was unable to work due to diminishing vision. He was also unable to perform routine tasks, and was scared, dejected and depressed that he might never be able to see again. He was thrilled to learn about the camp and is delighted to get back his vision.

WATER

ENWA

Recharging India's water infrastructure

India's water resources have been fast depleting, thanks to the erratic weather changes and lack of conservation techniques. The vast number of farmers and agricultural workers of this country, fail to make a living, and farmlands remain parched and under-developed. Their exclusive dependence on rainfed farming, coupled with the vagaries of the monsoon, makes it difficult for them to earn steady and predictable incomes.

Water-starved communities also suffer from poverty due to the lack of education and skills, leaving them with little option but to migrate to urban areas as labourers. LTTS' activities in these communities aim at an integrated development of all the aspects that adversely affect the communities, while improving water availability.

Aiding Kolwadi

- 3 Check Dams constructed
- Farm Ponds constructed
- Drinking water wells de-silted
- Safety wall constructed for the drinking water well
- 1000L water tank built for local school
- 242 books, LCD projectors and computers were donated to school library, benefiting 100 students

LTTS Response: Integrated Watershed Management Projects (IWMPs)

LTTS' integrated watershed management projects have adopted a holistic approach to improve the socio-economic conditions of water-starved communities. The programmes work towards conserving water and soil, improving soil health, increasing the green and tree cover along with farm productivity. They also integrate other agro-related activities like animal husbandry, agro-forestry and horticulture to increase household incomes.

The projects focus on inclusivity by bringing together all the stakeholders of the community, especially women, and ensure that the benefits flow equally to the entire community. The projects are designed to sustain the community long after the intervention activities end. They educate and equip communities to organize themselves into groups to maintain and improve their water conservation structures as well as acquire a sense of ownership.

Kolwadi watershed project

Kolwadi is a village located at Velhe Taluka of Pune district, with four villages nearby Katavadi, Mangdari, Nigde and Ketkavane. The Kolwadi watershed area is known for erratic rainfall coupled with slopes, denuded surroundings and defunct water harvesting structures.

Drying wells

The project village's existing water harvesting structures include 88 open wells, 28 farm ponds and three borewells which are largely silted. More than 60% of the structures have little or no capacity to store rainwater. The infrastructure is incapable of supporting agriculture during distress periods and provide ample drinking water to its 3,000 residents.

The small and marginal farmers of the areas fail to produce a single crop per annum. If the monsoons fail, the lands remain fallow, preventing them from earning a consistent annual income. Over 40% of the male youth migrate to larger cities in search of a livelihood.

Low nutrient profile of soil

The soil of the area is low on porosity which means less water seeps through it, and thereby smaller amounts are stored as ground water. The soil nutrient profile is also low, leaving the farmers highly dependent on chemical fertilisers with high yielding crops, which strip its nutrients further. Denudation of green cover, over-grazing exacerbated the soil conditions.

Ridge valley watershed programme

LTTS, in conjunction with an NGO National Agro Foundation (NAF), followed the ridge valley approach for the watershed programme. It included de-silting and deepening of major water bodies and existing village ponds; excavation of existing and fresh percolation ponds; construction of small and medium water harvesting structures like loose boulder check dams, field bunds and farm ponds. They also took up agro-horticulture and agro-forestry activities to ensure that the green and forest cover of the area improves.



IMPACT

Within a year of the interventions, the number and storage capacity of water harvesting structures went up remarkably. The ground water table rose to five metres in open wells, and water is now available for at least two crop seasons. There has also been a 160% increase in cropping intensity thanks to improved water availability, technology and skills training imparted to them.

In 2017-18, the activities of the intervention diversified to add poultry and goat-rearing, tailoring and beauty parlour training for members of the community. This year, awareness camps that educate community members about benefits of watershed activities were conducted along with veterinary camps to improve the condition of their livestock. They also took up education and skill-building programmes via distribution of computers to Kathwadi and Nigade villages. They were also trained in activities like online money transfer, mobile recharging, bill payments, DTP work, photograph printing, image editing and ticket booking.



Beneficiaries are briefed on annual project activities

Kokkaranthangal Watershed Project

LTTS is also working on a watershed project at Kokkaranthangal, Amaindhakaranai, Arcadu and Budhur villages in Kancheepuram district in Tamil Nadu. The primary objective of the watershed project is to conserve its land and water resources by 2020. The developmental activities include creation of village-level Mahila Pani Samithis (MPS) and village watershed committees to improve participation. Various income-generating activities were also taken up to improve the quality of life of the beneficiaries in addition to conserving land and water-conservation structures, and instilling in them a sense of ownership.

Roadmap for 2020

The watershed project's activities intend to achieve the following objectives by 2020:

- Provide water to over 8,500 families
- Impact 2,476 hectares of land
- Increase ground water table by 2 metres
- Increase area under cultivation (AUC) by 20-25%
- Increase agri-crop yield by 30%

Bhoomi pooja of Kokkaranthangal watershed project was performed and DPR is submitted



Four schools at Kokkaranthangal, Arkkadu, Bhodhur, Amanthagarani were provided computers with UPS



The Kokkaranthangal watershed project was inaugurated by Shri. Paneesh Rao Chief Human Resource Officer and Head of CSR, L&T Technology Services, Shri Manivannan, Chief Technical Advisor, L&T Technology Services, and Shri S Swaminathan, Trustee, National Agro Foundation.

OUR BENEFICIARIES



Check dams turn fallow land green

Fifty-year-old Namdev Genu Pilane from Katwadi village jointly farmed on 13 acres of land. Due to lack of irrigation, he depended on the monsoons to cultivate a single crop of paddy, leaving the land fallow for the rest of the year. He and other farmers in the vicinity were unable to utilise the ample water that the monsoons provided for a second crop, due to lack of water storage structures.

As a part of the watershed project, a check dam was constructed, aiding the cultivation of a second crop across 30 acres, helping him and his neighbours. Pilane now grows second crops such as jowar, wheat, and gram. His income went up by ₹ 20,000 per annum, within a year. The wells close to the check dam were also recharged, and the neighbourhood is now water secure.



Reaching the unreachable, digitally

Najuka Pilane was amongst the many undergraduate students of Katwadi village who were troubled by the lack of a computer centre in the vicinity. Though many of the villagers are educated, they lacked avenues to gain employment, leading them to work in farms.

Even as electricity, televisions and DTH connections are common in villages, the villagers had to travel to a town to make payments online, get prints or photocopies – losing an entire day in the process.

When LTTS and NAF started working on the watershed project, Najuka articulated the need for a computer centre within the village to cater to their digital needs. Subsequently, a computer and a printer-cum-scanner were provided. The students who were trained to operate it, now help people pay bills. Najuka is happy as this move has not only spared them from the ordeal of travel, but also helps her earn around ₹ 3,000 per month.



Vegetable farms right in the backyard

The majority of the population in Nigade village are farmers who are adept at cultivating paddy, grams and millet, but were not keen on vegetable cultivation. Though they are food-secure, they had to purchase vegetables and fruits from Nasrapur, a town 25 km away. It was time-consuming and expensive.

LTTS enthused the women in the villages into cultivating their own vegetables in kitchen gardens. They were provided with coconut peat, trays and seeds. They were given minimum training in raising saplings in trays and transplanting, as they hail from a community of cultivators. One of the beneficiaries, Sangita Uttam Shinde, is happy to source organically grown vegetables right from her backyard. She saves an average of ₹ 800 per month as she has stopped purchasing vegetables from the open market.



Vet camps for cattle owners of Katwadi village

Over 150 farmers in Katwadi village of the Kolwadi watershed area own cattle. Milk and dung production is a prominent secondary source of income. Yet, they have no access to a veterinarian, and the closest vet hospital is located at Velhe, 20 kilometres away. Transporting sick animals back and forth caused them hardship. During emergencies, farmers found it difficult to hire vehicles.

As a part of the watershed project, a veterinary camp was conducted, with seven veterinary doctors from the Animal Husbandry Department. During the programme, 185 animals like cows, buffaloes, bulls and dogs were diagnosed and treated. They were provided with medicines that helped reduce insect, parasite and pest attacks. The owners of the animals received advice on diet and nutrition, which could help them improve milk production.

INNOVATION

Tech Udaan

Unblocking Chennai's traffic jams

LTTS extended its outreach programmes to solve large-scale systemic roadblocks across the country. It employed its creativity and technological strength to re-imagine and revolutionise age-old systems. One such programme is focussed on reducing Chennai's traffic congestion.

Chennai is known for its rapid growth in vehicular traffic which compromises road safety and increases emissions, leading to excessive delays and economic loss. While expanding infrastructure is the answer to these problems, LTTS believes that improving the efficiency of traffic control and management techniques can be a cost-effective remedy. The city's traffic signals are poorly designed and some of them are manually operated. LTTS devised a plan to study and modernize the system.

OMR Road Study

The study identified and collected traffic data from Rajiv Gandhi Salai, also known as Old Mahabalipuram Road (OMR). The road is a six-lane divided carriageway with service lanes, and stretches from Madhya Kailash intersection on the North to Mahabalipuram in the South.

The Northern section of the corridor has several IT companies, technical and educational institutions, and national research laboratories that attract a large number of vehicles from different parts of the city. This section of the roadway has several critical cross streets or intersections with severe congestion. This corridor has three major intersections-- TIDEL Park, CSIR and SRP Tools.

After collecting data, the study helped re-design fixed time signal plans, and evaluate them in a simulated environment. They also select hardware and aid procurement and installation. It also evaluated possible improvements such as geometric changes and advanced signal control strategies, and tested them. It will also help implement best performing and feasible strategies on the field.

Execution challenges

The team faced challenges in securing permissions from the authorities for data collection and installation of CCTV cameras and other equipment. The manual operation of signals during peak hours made it difficult for them to evaluate conditions on the ground.

Outcomes and learnings

The study also observed inadequate sight distances, turning radii, improper median openings as problems. They also learnt that locations of bus stands and autorickshaw stands and bi-directional traffic on service lanes contribute to the congestion. The study noted that long queues on IT corridors are not addressed, and signals are timed as per standards. It also observed that heavy pedestrian volumes at TIDEL intersections are not adequately addressed.

Inferences

According to learnings from the study, geometric improvements are necessary in the stretch. A systematic design of a co-ordinated signal system in the corridor is required along with a pedestrian foot-over-bridge across the East Coast Road at the Tidel Park intersection. There is also need for a new signalised intersection at the meeting point of Lattice Bridge Road and OMR Road. Apart from them, the possibility of a new bus bay is being explored on the East-bound ECR road.

For a tech-abled future

The digital world has been addressing various challenges of society. However, it has been muted in serving the differently-abled. To plug this gap, LTTS supports IIT Madras to help create products and tech-powered solutions for people with special needs.

LTTS helped develop intelligent and new-age products like Kavi, a picture-to-speech android application that helps people with cerebral palsy and autism to communicate. I Gest is an inertial motion sensor that helps others recognise the gestures of those suffering from cerebral palsy.

Another breakthrough product that is in the testing phase is Take Note, a compact Braille note-taker for the visually impaired. The tactograph is yet another device that helps create a tactile outline to pictures, allowing the visually impaired to read.

Most of the products are either being tested or in the pilot phase. LTTS also organised training sessions, camps and workshops to help distribute products and train the users. LTTS also aids the testing of these products at NGOs, special schools and other organisations to receive feedback and fine-tune them.

A workshop on 'Enabling Access through Technology' was held at IIT Madras last year, where 31 students participated, including those with disabilities. Topics discussed included Braille and the importance of accessibility to the visually impaired.

OUR BENEFICIARIES

Tactograph

We have been using the Tactograph to help students prepare for their Std. X board exams. Practical exams are usually a challenge for students as they face difficulty in performing experiments involving circuits. We train students with tactile images, which help students understand science and geometry a lot better. We are also working on a tactile geometry workbook for students.

Lakshmi Prabha

Sethu Bhaskara Matriculation Higher Secondary School

Tactograph makes adding images to a Braille book simple. People with vision impairment will now have the pleasure of reading books in Braille along with tactile pictures.

Saravanan

PLM Chennai



KAVI – PTS



I've always been a bit hesitant to take my autistic grandson out of the home. Expressive communication has been one of his challenges. He goes to a school for children with special needs where they started using the app KAVI-PTS. I soon realised that my grandson became the 'cool kid'. He could use a phone and even a tablet, by responding to my questions with a click. My grandson and I now go out every week, and the park is our favorite. We also tried a new restaurant in the locality last week. He told me what he wanted to eat using KAVI-PTS!

Narayani

Grandmother of a child with autism

Our teachers, parents and students have found KAVI-PTS very useful. We recently worked on toilet training using KAVI-PTS for a group of children with Autism Spectrum Disorder. It has been a lot more effective than any other traditional method.

Sailakshmi

*Principal
- Sathya Special School, Pondicherry*

Take Note

I want to be a teacher after college. Take Note will be useful to make quick notes, type out information for students, prepare notes for a class. It will be useful for my students in future too.

Kalyanasundaram

*Student with Vision Impairment,
B.Ed Special Education*

One of my students said that Take Note is just like a note-book! I used the device, and it is a wonderful addition to the world of people with impaired vision.

P Valli

Teacher, Vocational training, NIVH



Aditi



Aditi can open a new world to our children. With Aditi, we are sure that our children can read more books, access e-mails, type documents, and even write exams in the years to come.

Chitra Shah

*Chairman
Sathya Special School, Pondicherry*



vBill

vBill is one of the most attractive and useful applications I've come across. We have always had adults managing and billing in shops and canteens run by people with cerebral palsy. I never believed that billing could be possible for them.

Madhumitha

Senior Educator, Indian Institute of Cerebral Palsy

My son is employed in a shop that sells organic food. Billing has been a challenge for him. With vBill, I'm confident that my son can take on additional responsibilities at work, and it is empowering.

Sudha

Parent of Ketan, a boy with multiple disabilities, working in Secunderabad (names changed on request)

Workshop

I learned many things at this workshop. It changed the way I understood accessibility to everyone. We should find more ways to make everything, including entertainment, accessible to all. I liked designing games that I can play with my friend who has a disability.

Saanvi

a student of Std. VIII

The workshop perked student interest in creating an accessible society. They got an opportunity to design games that all children can play, irrespective of disability. Facilitated by an incredible team, this workshop was truly inspiring, with a realistic approach to understanding the importance of accessibility for all.

Priyanka Gangadaran

*Teacher
HLC International School, Chennai*





ENVIRONMENT

ENWA

Sunshine powers tribal homes

A hundred million people in India live without access to electricity. The worst affected are rural and other disadvantaged communities. Tribals stay far away from utilities, and frequently turn into victims of the dangers that the darkness brings.

LTTS, along with NGO partner Sri Vivekananda Youth Movement (SVYM) and technical solution provider Minwa Solar, devised a unique idea to power rural areas, using solar energy. A cost-effective solution like solar power can transform the way energy is consumed, as it can power cooking stoves as well.

Mysore's tribal colony lights up

Manchegowdana Halli is a tribal colony of Mysore in Karnataka, with 260 individuals and 61 homes. Less than a quarter of the Jenu Kuruba tribe own land, while the rest work for daily wages. The tribe has never experienced the advantages of electricity.

LTTS' intervention

A solar power installation project was undertaken with the help of gram panchayats, local NGOs, community leaders, self-help groups, vendors and Government departments. While the key objective of the project was to provide free basic lighting, the project also helped enhance the living standards of the community. They undertook programmes to improve health and education of the members.

The project was delivered in two phases. In the first year, all the homes were electrified. The second phase electrified the community hall, school and anganawadis, and streetlights were installed. The young members of the community were trained to maintain and repair solar power units.

After all the homes in the colony were connected to the solar power system, an inauguration programme was organised on Dipawali day in 2017.

Project impact

More light

Prior to the electrification, the community depended exclusively on sunlight; and would slow down work and other activities at sunset. Now, around 46% of the people say that they are engaging in income-generating activities in the evening. Around 82% said that their children spend extra time on educational activities.

Reduced costs

On an average, the colony saves Rs 100-200 per household, as kerosene usage went down by 3.5 litres per month.

Increased safety

The beneficiaries also say that their homes and surroundings are safer. The incidence of snake bites and wild animal attacks has gone down.

Easing the burden

Around 78% of homes say that they can cook late in the evening, using solar power. Solar cooking is safer and more hygienic as compared to traditional methods.

While the solar project brought light, it also came with other tangible benefits which were a part of the project objectives. The carbon footprint of the community went down, allowing them to enjoy the health and ecological benefits of a pollution-free energy source.



CASE STUDIES



Unafraid of the dark

Madevi, who lives with her son Bhallu, would dread the night, as the darkness made her fearful. Her son too was unable to study during in the night. Added to that, cooking using a kerosene stove would make her cough and wheeze. After the solar installation, Madevi's health improved and she now feels safe and secure in their well-lit home.



Extra 'work' time

Apart from facing difficulties in cooking at night, Chandra's wife Pavithra was unable to take a job alongside household duties. She would have to hurry to finish her chores before the sun went down. After the solar installation, Pavithra has taken up tailoring, since she can pace her work at her convenience independent of the availability of sunlight.



Safer homes

Savita and her daughter Madevi have been living by themselves after Savita's husband passed away. Ever since, she has been dreading snakes and wild animals, as her village is right on the forest border. With solar lamps, she can spot stray animals around her home, and no longer agonises over the dark.



Employee Volunteering

Our Samaritans make a difference

The employees of LTTS take part in the various CSR activities of the organisation. They visit orphanages, spend time at old age homes, and volunteer time with municipal school children and participate in games and awareness sessions. They organise and participate in cleanliness drives and spread awareness on waste management. They motivate disabled students; and help community members understand the need for skill-building.

In 2017-18

924 employees turned Samaritans dedicating over **3,400** hours, impacting over **7,483** beneficiaries.



Samaritan Voices

“Do good, and good will come back to you”

It's been more than a year since I have been actively involved in CSR activities in Mumbai. Being a volunteer has helped me personally and professionally as I could contribute to society and the environment. Arranging CSR activities helped me turn into a team player and improved my interpersonal skills. It helped me overcome challenges. Most of all, I now have hope that with enough efforts in the right direction, change is possible. I will always be thankful to LTTS CSR team for providing me with this wonderful opportunity.

Siddharth Sharma

LTTS-Mumbai

CSR volunteering has taught me the importance of enriching people's lives. It helped me to appreciate life's small joys. I have been volunteering for three years in projects like Project Humanity, Project Sadak Suraksha, science fair, debate and poster competitions at local schools. It has been a great experience so far, with many unforgettable memories. I am proud to be a Samaritan.

Jitendra Shinde

LTTS-Mysore

Being a part of the Corporate Volunteering Programme enabled me to envision the positive change each one of us can bring to this world. It gave me an opportunity to experience pure joy and bring smiles to people's faces. I feel we should all contribute and volunteer our time for the benefit of the underprivileged sections of society. The satisfaction one receives when one helps turn the world into a better place is inexplicable.

Ronnie George

LTTS-Vadodara

We often complain that we don't have luxuries to enjoy life. But when we go volunteering, we come across people who struggle to make ends meet. It brings a sense of self recognition on how privileged our lives are. It motivates me to contribute to society. It helped me to connect with several people within and outside the office.

Chanchalesh Vishwakarma

LTTS-Vadodara

Teach For India

LTTS Samaritans actively take part in many programmes, and one of them is volunteering as coaches for Teach For India. Those who enrol in this programme are trained by the organisation and sent to teach at Government schools. This exercise allows them to understand the challenges that exist in Government schools in underprivileged areas, and help overcome them using their leadership skills.



It has been almost a year now since I have been teaching Grade 4 students at Chennai. The students used to find it challenging to read English or solve simple math problems like multiplication and division. Now, their skills improved tremendously, and they have developed an interest in learning. Whenever a kid writes a sentence without making mistakes or solves a math problem without my help, I turn emotional. I realise that I shoulder the responsibility of turning learning into a passion.

Baiju Nair

AMS, Vadodara



Teaching is just as tough as performing in front of a stage audience. I must ensure that all my 31 students get what I convey regardless of what they know about the script. Six hours of teaching drains the voice and is exhausting. But one has to persist to keep the momentum going, to ensure they are learning. To make learning more interesting, I jump and move around the class making their heads turn 180°. I figured out my first success which is technically called 'the teacher radar'.

Ramalingam N

PLM Chennai

CSR Awards & Accolades

Our work for underprivileged communities was recognised by Indian and international organizations.



Felicitation by the Governor of Tamil Nadu, Shri Banwarilal Purohit for Project SPARSH -Mobile Eye Surgical Camps on February 6, 2018 at Sappanipatty, Krishnagiri District in Tamil Nadu



India International CSR Conclave & Awards 2017, held on May 11, 2017



Global CSR Excellence & Leadership Award, held by ET NOW on February 18, 2018

Activity-wise spends on CSR in FY 2017-18

All the figures are in ₹ lakhs

Sr. No	CSR Project or activity identified	Sector in which the project is covered	Place where programme / projects was undertaken	Amount outlay to project (Budget) project or programme-wise	Amount spent on projects or programmes Sub Heads: Direct Expenditure on projects or programme Overheads	Cumulative expenditure up to the reporting period	Amount Spent: Direct or through implementing agency
1	Support Technology Incubation to CREATE project at IIT Madras	Innovation and Technology	Chennai	32.4	6.28	12.56	IIT Madras
2	Support Technology Incubation to traffic monitoring project at IIT Madras	Innovation and Technology	Chennai	12.6	4.2	8.4	IIT Madras
3	Establish mini science lab, community libraries and training to Government school teachers	Education	Mumbai, Vadodara, Anand and Bengaluru	20.42	10.92	13.91	Indian Institute of Science (IISc) ARCH Development Foundation, Aarambh, Pratham Education, Foundation and STEM Learning
4	Skill Development in beauty therapist, automotive technician leather stitching, home appliance repair, tailoring, computer courses and retail sales	Skill Development	Chennai, Mumbai, Nagpur, Vadodara, Kharel and Bengaluru	21.27	16.43	25.35	L&T Public Charitable Trust, LabourNet, Head Held High Foundation, and ARCH Development Foundation
5	Mobile eye surgical camps	Health care	Chennai	3.75	4.47	8.22	Sankara Nethralaya
6	Integrated watershed management project	Water Conservation	Pune and Kancheepuram	39.60	9.80	17.21	National Agro Foundation (NAF)
7	Renewable energy project	Environment	Mysore	4.92	0.75	3.21	Swami Vivekananda Youth Movement (SVYM)
8	Corporate volunteering programme	Corporate Volunteering Programme	Mumbai, Vadodara, Bengaluru and Hyderabad	1.00	0.29	0.29	Spent directly and through credible NGO's
9	Management and overhead cost for running the Company's CSR Programme			2.66	2.66	2.66	
TOTAL SPEND				138.62	55.8	91.81	

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