



L&T Technology Services



**More Smiles
Per Million**



**ANNUAL REPORT
2018 - 2019**



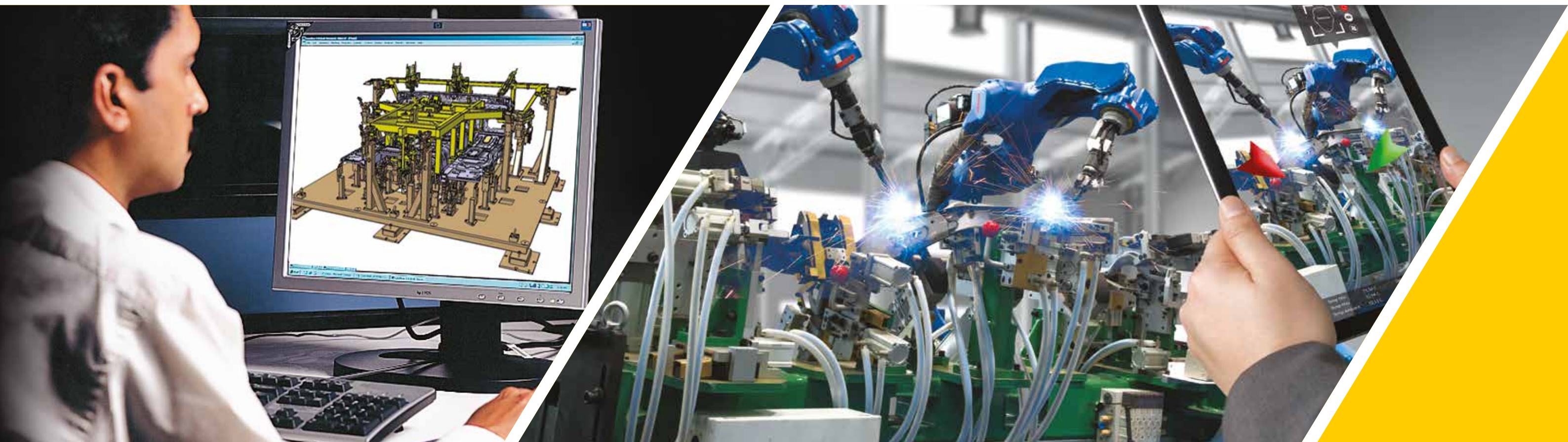
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- // A young boy from a government school now dreams of becoming the next Dr. APJ Abdul Kalam, already having fashioned a working fan model with a battery.
- // An 80-year-old woman can continue her babysitting and housekeeping responsibilities with a clear vision.
- // A differently-abled man can now talk with the swag of an athlete.
- // A farmer from a formerly parched village will no longer have to worry about water for his next crop.
- // All these encompass LTTS' activities across Education, Health, Skill development, Water, Environment and Sports. Our activities too have been going from strength to strength, touching larger number of people every year, bringing in more smiles.

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ABOUT LTTS

L&T Technology Services Limited (LTTS) is a listed subsidiary of Larsen & Toubro Limited focused on Engineering and R&D (ER&D) services. We offer consultancy, design, development and testing services across the product and process development lifecycle. Our customer base includes 52 Fortune 500 companies and 51 of the world's top ER&D companies, across industrial & consumer products, medical devices & life sciences, transportation, telecom and hi-tech and the plant engineering. Headquartered in India, we have over 15,000+ employees spread across 17 global design centers, 27 global sales offices and 48 innovation labs as of March 31, 2019.





CEO & MD's MESSAGE

“We want to be regarded as an organization that is not only driving technological transformation, but also stands for positive social-economic and environmental alteration of our society and striving for inclusive growth.”

I derive immense pride and satisfaction from the fact that that I lead a company of change-makers who are inspired and engrossed in using their talent and knowledge for the betterment of the planet and its people. Their passion and energy is the driving force behind this Company's success. It has motivated us to give back to the society that we live and operate in. This 'spirit of giving' drives us towards using all the resources at our disposal to transform the planet through our sustainable initiatives. Our ethos also helps us impact the lives of underprivileged communities by improving healthcare facilities, and imparting skills and confidence; helping them lead a better life. With this thought in mind, it gives me great pleasure to present to you, the third edition of our Annual CSR Report.

Leading the Change

Being a part of the 80-year-old legacy of the Larsen & Toubro Group, sustainability is deeply embedded in LTTS' DNA. We firmly believe that every organization across disciplines should align their long-term goals with those of their stakeholders to create an ecosystem of balanced exchange that benefits business, people and ecology alike. At LTTS, we have accomplished this by balancing business growth with expectations of people, within and outside of the Company and living up to our social and environmental commitments.

The current edition of our Annual CSR Report covers fiscal year 2019 and highlights the progress we have made in meeting our sustainability objectives. Through the year, we worked closely with our partners including several reputed NGOs and governmental agencies, to address a multitude of problems faced by the people, especially those in remote areas that have limited or no access to basic amenities such as healthcare, education, electricity, water and employment. Our efforts in reaching out to the underprivileged and underserved sections of the society have intensified over the last year. As a result, the outreach has increased in numbers and impact.

Blind Cricket - A Transformative Masterstroke

This year, we decided to leverage sports as a unique approach to impact the lives of our specially-abled fellow citizens. It is a well-known fact that sports can transcend

physical and psychological barriers and instil a sense of confidence, inclusion and well-being. We identified Blind Cricket as a way to help reduce stigma and discrimination associated with visual impairment. We collaborated with Samarathanam Trust for the Disabled to organize the Tri-Nation Blind Cricket tournament between India, England and Sri Lanka, providing them with a global platform to realize their true potential and shine on and off the field. The effort was widely endorsed by our employees and media, showcasing the effect it had on our beneficiaries and the society.

Taking Healthcare to the Heart of India

Access to healthcare is a major concern in this vast country and I believe that organizations must utilize their resources to aid government in improving basic healthcare amenities in remote and underprivileged areas. There is a lot that companies, both big and small, can do to help citizens live longer and more fulfilling lives. Therefore, we decided to increase our efforts in this direction and I can proudly say that we made a significant difference to a number of people.

Our medical outreach teams went to far-flung villages and conducted multiple tests and collected samples and data from patients. We then took these samples and gave them to doctors in urban centers to analyse and assist the patients with medication and treatment. We increased the frequency of medical camps in collaboration with our NGO partners and as a result touched more than 30,000 lives in the process.

Our sustainability narrative has evolved during the last fiscal year. As you browse through the pages of this report, you will realize that we don't perceive our CSR engagement or events as a one-off initiative but as an ongoing journey of social transformation. Our CSR team and employees are constantly working towards exploring the next, yet untapped frontier of sustainability, to make a meaningful impact to our great nation.

I look forward to 2019-20 to continue the journey towards making the world a better place to live in. I would like to conclude with Gandhiji's prudent saying -
“Be the change that you wish to see in the world.”

Dr. Keshab Panda

CEO & Managing Director, L&T Technology Services

DIRECTORS' MESSAGES



Arjun Gupta

Member of the Board of Directors
& Chairman of CSR Committee

Our CSR program has been growing in all dimensions. We are gradually increasing the number

of beneficiaries we touch, annually. At the same time, our programs have taken an integrated approach to problem solving as social change and development are not linear. For example, at our watershed project areas, we have provided veterinary care camps. A few of our beneficiaries have sought help to improve their lives with computers, and we have provided them hardware and software resources. CSR is a new lease of life for many communities which have seen few privileges or attention over the years.

Sustainability is key to all our activities, but not limited to our endeavours under environment and skill building.

One of our healthcare initiatives is our women and child development program, where nutrition is key to sustain the health of expecting and lactating mothers. The temporary solution is to provide ration to take home and educate the recipients on the advantages of consuming them. We are going a step forward and teaching the recipients to grow and maintain kitchen gardens that can provide nutritious & organic food for the whole family for the foreseeable future. LTTS takes a strategic and holistic approach, which intends to bring about impactful changes to the most deserving people of our communities.



Sudip Banerjee

Member of the Board of Directors
& CSR Committee

The LTTS CSR program immensely benefitted the recipients. In a small but significant way, the program has made a difference to the lives of underprivileged people in remote areas.

Meeting CSR objectives is an ongoing process. As we continue our work, we will help many more communities hitherto untouched by the development in our society. There are many challenges in the country like availability of basic healthcare, primary education and water. Through our efforts, we hope to address some of these challenges in states where we are working through partners as well as our employees.

It is gratifying to note that our work is being appreciated by several organizations who have partnered with us. One of them is Sankara Nethralaya in Chennai, to whom we donated a bus to help to bring in patients after eye surgeries to the nearest health centre, for their post-operative care.



Amit Chadha

President - Sales & BD,
Whole Time Director

As an aware and responsible enterprise, it is our duty to give back to the society as we grow in scope and size. It is very heartening to see and contribute to LTTS' continued and meaningful progress in engaging different geographies to make a difference in the environment and the lives of people, internally and externally. We look forward to continuous contribution in this area.



Bhupendra Bhate

Chief Operating Officer,
Whole Time Director

CSR as a concept and as a paradigm ought to be woven into the DNA of every organization. When I look at our own CSR initiatives and activities, it is quite clear that we are making a substantial difference to the world we live and work in. It gives me immense pleasure and contentment to see a plethora of successful implementation of CSR initiatives especially digital classrooms, tree plantations and promoting cricket for the visually impaired. Our CSR activities are not only helping the society but also aiding our employees to improve their

confidence, creativity, and problem solving skills. I would like to thank entire CSR team and the employee volunteers 'Samaritans' and wish them immense success in all their future endeavours.

CSR HEAD'S MESSAGE



Paneesh Rao

Chief Human Resources Officer
& Head CSR

India is a vast and diverse country, with rich history, growing and poised to be a leading nation of the world by 2021. For a new India, it will be important for the citizens to have skills with proper infrastructure, education, hygiene and self-sustenance opportunities.

For our country to achieve this objective, a public, private partnership is inevitable.

Larsen & Toubro has a long history of building the nation, through its

various businesses and charitable trusts even before CSR became a corporate mandate.

L&T Technology Services Ltd, a subsidiary of L&T Group, has imbibed this responsibility of giving 'back to the society' as a serious business by delving deep into issues that hold the development of people, community and the nation.

Our endeavours have resulted in enhancing the surroundings, helped in facilitating improved standards of living through projects in healthcare, water, electrification, skill development, education and careers in sports for the differently-abled.

It's *heartening* to see the deprived, neglected and abandoned get their eyesight back aiding normal lives;

It feels like God-sent to help detect the dreaded disease early and save lives;

It's *great* to see boys and girls playing in the evening and studying in the night, women healthier than before

with reduced usage of kerosene, men and women earning more with the availability of electricity;

It's a sight to behold when the visually impaired play cricket with sheer flamboyance; wearing the national uniform. Their '*josh*' for the nation is un-paralleled;

It's immensely *satisfying* to see skill development initiatives creating jobs for self-sustenance and financial independence;

It's *emotional* to see water coming through taps in the homes, for those who have been walking miles to fetch it;

It's *engaging* for men to work in agricultural fields for over nine months using water from check dams.

This sense of 'purpose' is indescribable in words, unless experienced.

CSR

PARTNERS' MESSAGE

Sonkee Shah

CEO, ARCH Development Foundation

The important pre-elements towards sustainable development programs viz. vision, selection of executing partners to efficiently convert the vision and efficiently help partner organization in strategic formulation of the project design has been the forte of LTTS. The ease and simplicity with which the same is transposed to ARCH Development while implementing Mini Science Lab has been really commendable. The core values within LTTS has not only helped but motivated us to double the scale and magnitude of the project year on year and foray larger spectrum of grassroots reach.

G K Mahantesh

Founder Managing Trustee, Samarthanam Trust For The Disabled

LTTS has been our CSR partner since 2018, but it has become more of a friendship over the ages. Friends work together to make each other better and L&T and Samarthanam share this philosophy.

The senior members of LTTS were present when Indian won the Triangular Series Cup. Cricket for the blind is not just a sport, but is a unique tool of empowerment. It helps persons with visual impairment achieve glory, fame and a life of self-reliance by opening up an array of opportunities. The presence of Senior team in Goa just to cheer us, lifted our spirits and propelled us to perform better and beyond remarkable. It is akin to seeing the dream coming true for many, through the eyes of friends.

The CSR team of LTTS has been working hard to help us reach out to the rural needs of skilled workforce for a better tomorrow, by helping us implement the livelihood initiative. Their guidance has enriched our program. We, at Samarthanam, greatly admire the culture of LTTS towards the development.

We look forward to a lasting partnership with them.



Dr. Suhas Haldipurkar

Founder Member, Laxmi Charitable Trust

We, at Laxmi Charitable Trust, would like to thank LTTS for helping us build vision centres at Murbad and Uran. This initiative has gone a long way in preventing avoidable blindness amongst the needy patients of these regions, where medical help is very difficult to come by. We hope to work with LTTS for many years to come, to help eradicate avoidable blindness and improve the quality of life of our less fortunate brethren.

Dr. Kumar G S

Chief Executive Officer, SVYM

Swami Vivekananda Youth Movement (SVYM) with its experience in the development sector for the last three decades, firmly believes that developing human and social capital is necessary for building a resurgent India. This is reflected in all our activities. One of our initiatives was to set up a demonstrable model of community-managed, sustainable source of energy for bringing electricity to select tribal hamlets

of H D Kote Taluk, for which LTTS extended its support. Today, three remote tribal hamlets with 94 families have received solar electrification. These communities which have never known the benefits of electricity, now have well-lit streets, schools and community halls. Thanks to LTTS' support, the communities have moved from darkness to light. This will indeed have a positive impact on the education of children and the overall economic well-being of the families. We wish to forge this partnership further in coming years to bring light to the lives of rural-tribal community in India.

Kishore Rao

Chairman Indian Cancer Society, Bengaluru

With support from LTTS, Indian Cancer Society, Bengaluru (ICS) spread awareness on risk factors and signs and symptoms associated with cancer among 8,600 people across 11 districts in Karnataka. In these regions, 4,700 people were screened for oral, breast and cervical cancer, mainly in the rural areas of the state. Two people who were diagnosed with cancer, did not have funds for treatment were provided aid. This support is expected to be extended to two more beneficiaries. Recipients who were identified with pre-cancerous lesions, were given an insight into the problem.

In a few villages in Dakshina Kannada and Ramanadara, a door-to-door survey was conducted and almost the entire village was covered under the awareness program. Cancer is associated with superstition and stigma, and these beliefs have to be eradicated as the incidence of the disease increases.

This initiative would not have been possible without support from LTTS. While providing financial support for treatment was not in the initial scope of the project, LTTS had no hesitation in extending it, giving the patients a chance at normal life. We thank LTTS for its generosity and continued support. It is an association that plans to expand into newer regions, using the model that has been implemented.

Towards a Sustainable CSR Roadmap

To achieve these goals, we:

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; we foster long-term sustainable community development, and drive initiatives that aim to make a meaningful impact.

Our CSR Policy Framework outlines the mechanisms for undertaking several programs 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.



Implement planned and sustainable CSR programs 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 high quality of life, devoid of inequities;

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



CSR THEMES



EDUCATION

LTTS' education programs targets underprivileged children who turn easy dropouts to guide, teach and orient them towards academics and a brighter future.



WATER CONSERVATION

LTTS has embarked on an initiative that promotes development of villages through water conservation & management and holistic development as a theme.



SKILL DEVELOPMENT

LTTS adds digital literacy into technical training, which improves the employability of rural, underprivileged and differently-abled youth.



ENVIRONMENT

LTTS supports sustainable growth across the remotest of tribal areas via solar power, along with spreading green cover in urban areas.



HEALTHCARE

For population in remote areas that lacks access to adequate & quality healthcare, LTTS ventures into tribal areas with healthcare workers and equipment, in the form of camps and screening programs.



SPORTS

LTTS initiated sports development projects to empower marginalized, socio-economically and specially abled sections of the society.



PROJECTS AND LOCATIONS

EDUCATION

Hyderabad, **Telangana**
Vadodara, **Gujarat**
Kanchipuram, **Tamil Nadu**
Navi Mumbai, **Maharashtra**
Mysore & Bangalore, **Karnataka**
Purulia & Rudra, **West Bengal**
Itki, **Jharkhand**
Mallela & Laxmipuram, **Andhra Pradesh**

SKILL DEVELOPMENT

Kharel, **Gujarat**
Bellary & Belgaum, **Karnataka**

HEALTH

Bangalore, Gulbarga, Chikkapayan Palya, Tanisandra, Beechanahalli, Alur, Iguru, Alanda, Chithapura, Parappana Agrahara, Yadrami Jawaragi, Mangalore & Raichur, **Karnataka**
Nandurbar, Uran, Panvel & Murbad, **Maharashtra**
Villupuram, Ariyalur, Tiruvannamalai, **Tamil Nadu**
Chithoor, Gudipalli, Byreddipalle, **Andhra Pradesh**

WATER

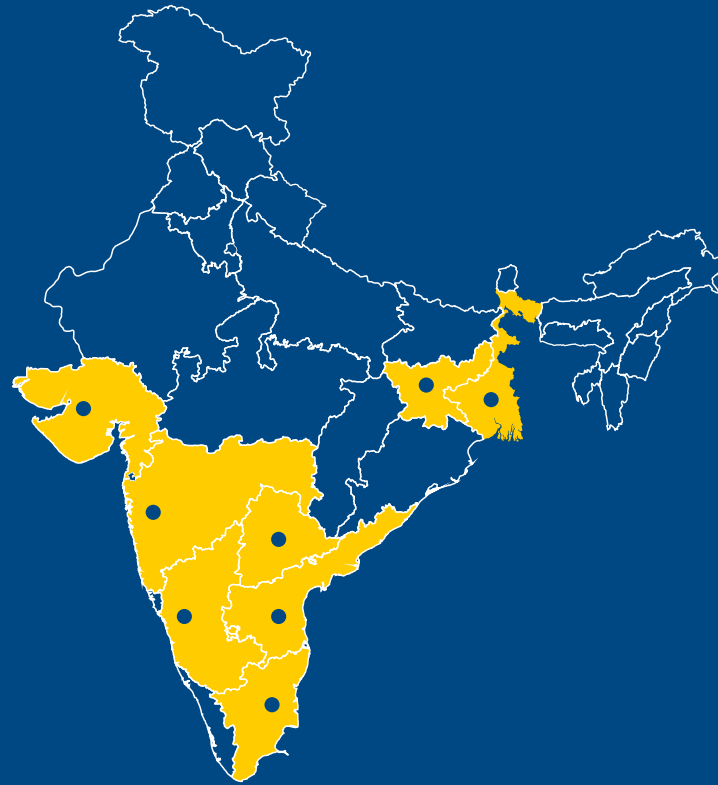
Kolwadi, Kathwadi, Ketkevane, Mangdhari & Nigde, **Maharashtra**
Kokkaranthangal, Budhur, Arcadu, Amaindhakaranai, **Tamil Nadu**

ENVIRONMENT & RESTORATION OF PUBLIC PLACES

Navi Mumbai, **Maharashtra**
Manchegowdana Halli, Chikkabaragi & Vadarahalli Hadi, Mysore & Bangalore, **Karnataka**

SPORTS FOR THE DISABLED

PAN India



PROJECT PARTNERS



GLOBAL GOALS AND OUR IMPACT



HEALTH

23,400 people benefitted from healthcare initiatives
2,149 free cataract surgeries were performed
1,500 spectacles were provided to patients in need



EDUCATION

75,976 students benefitted from our education programs
425 teachers gained from training programs
530 youth and community members turned digitally literate
200 differently-abled rural youth were provided vocational skills training



WATER

5,10,00,000 Litres of water conserved
10,000 people gained from watershed activities
63 farm ponds and **17** check dams were constructed during the year



SUSTAINABLE CITIES & COMMUNITIES

4,45,000 Sq. Ft. of land restored, developed and maintained
Commuters and city population gained from green initiatives as air quality and visual aesthetics of public spaces and flyovers, improved



CLIMATE ACTION

400 people from tribal areas benefitted from solar power projects, replacing fossil fuels

POLICY AND PROGRAM FOCUS

LTTS' CSR PHILOSOPHY

LTTS fosters a culture of care, 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 programs in the areas of health, education, environment, water conservation and community development.

The Company's 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.

CORE STRATEGY AREAS FOR LTTS CSR PROGRAMME

LTTS is committed to improving the lives of communities living in the vicinity of our operational centers. We assist them by creating sustainable livelihoods and opportunities with our empowerment initiatives.

We focus on five core areas for our CSR initiatives. These include water conservation, education, health, skill development, and aiding the differently-abled. 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.



CSR AND OUR BUSINESS

As a responsible corporate citizen, the Company leverages its inherent strengths and capabilities to build a better India.

To this end, we shall:

- Implement sustainable CSR programs 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 contribute to better 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.LTTS.com/about-us/csr>



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 programs in the areas of health, skill development, education, environment, water conservation and sports.

The Company's CSR Policy framework details the mechanisms for undertaking various programs 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 constituted a mechanism to monitor and report the progress of its CSR programs at various locations. CSR Team is responsible for monitoring and implementing the programs.

The CSR Team will:

- Review the projects, analyze their utility, its efficacy and suggest suitable modifications in line with the CSR policy.
- In case the projects / programs are to be executed through the 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 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 / programs to be undertaken with detailed justification
- Evaluate and constitute a transparent monitoring mechanism to ensure implementation of the CSR program
- Facilitate effective implementation of CSR policy
- Periodically review the CSR policy, implementation of various programs, and the actual impact on community development.

CSR PROGRAM IMPLEMENTATION

CSR programs 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 / programs / 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 program will depend on its nature, extent of coverage and the intended impact of the program.

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

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 program design and implementation.



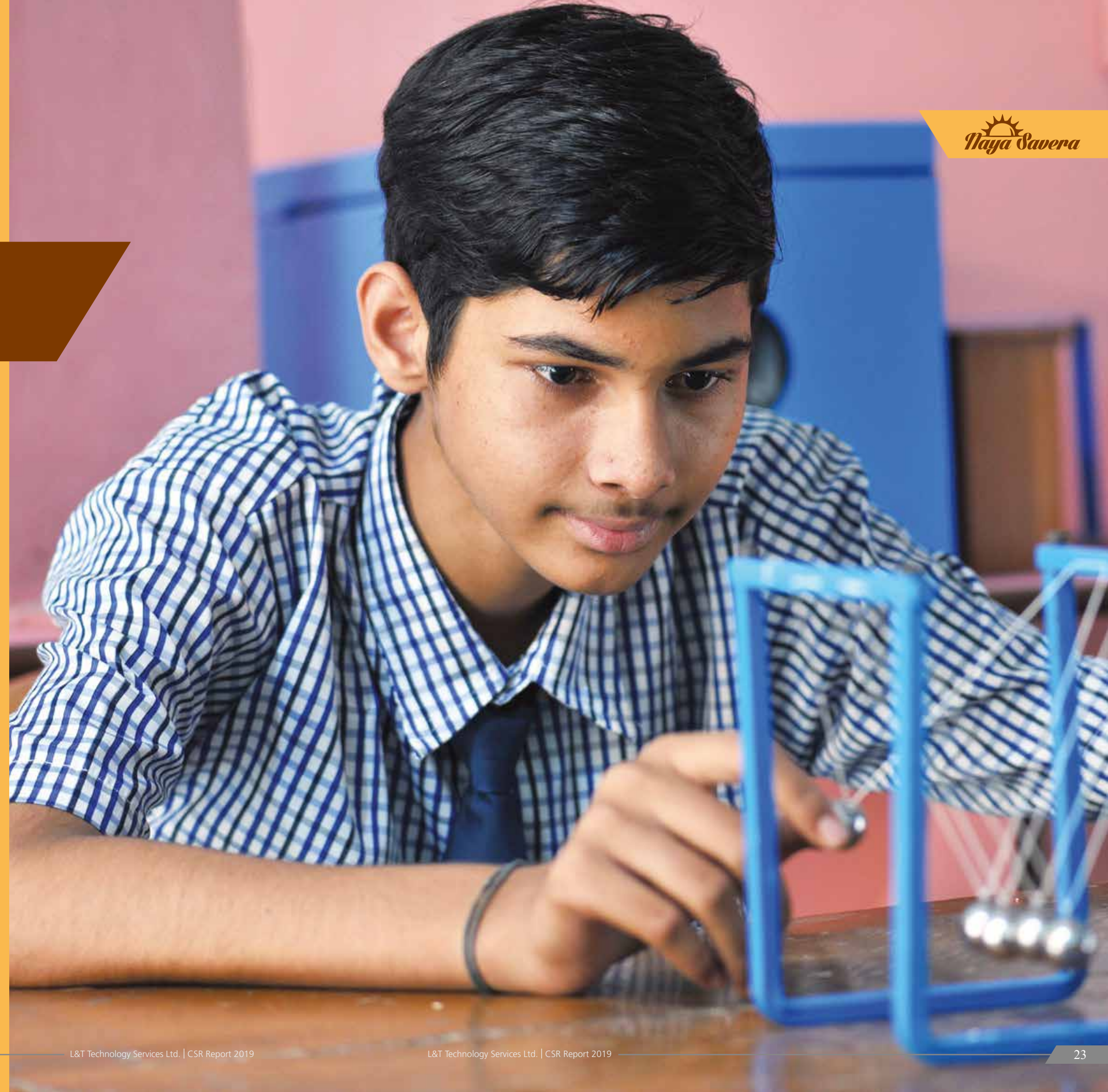
EDUCATION

For the Scientists of Tomorrow

India is at the cusp of a revolution in this era of disruptive technology, thanks to its large percentage of young population. With such great potential, comes great responsibility and India must prepare its children to become the innovators, thinkers and disruptors of tomorrow. To achieve that, the Indian education systems needs to reboot, and re-assess the mode in which knowledge is imparted to these young students.

The country's private education system is grappling with this change, while making baby steps into cultivating the culture of innovation. The public education system, on the other hand, continues to struggle with basic infrastructure and amenities, making curriculum upgrade a far-reaching dream. A large percentage of Indian children are denied quality education, disallowing them to compete with the urban elite who have access to top-class academic facilities.

LTTS firmly believes that education empowers people to fight social ills like poverty and ignorance and has the ability to bring in social equality. Its education programs are designed to achieve just that, and to provide a steady stream of scientists and innovators of the future, who are trained with a practical approach to problems.



LTTS Interventions

The Company has a three-pronged approach to improve the quality of science education in India, guided by the theme, 'Practice What You Preach'. It involves practically training young children in science, and sowing the seeds of curiosity, by aiding and building Mini Science Labs across schools that educate underprivileged children, it also trains teachers, organizes Science-On-Wheels programs, quizzes and competitions. It also embarked on a journey to democratize learning through digital classrooms.

As many as **75,976** students across the country have gained from LTTS education programs in 2018-19.

LTTS strives to improve education standards via

- Mini Science Labs
- Mobile Science Labs
- Teachers Training Programs
- Digital Classrooms
- Career Counselling
- Quizzes, Competitions, Science fairs, Vedic maths workshops



Mini Science Labs (ARCH Foundation)

Teaching and learning science without laboratories is akin to preparing a sports team without the required equipment and practice fields. Going by this principle, LTTS helped set-up science labs at government schools in urban and rural areas in partnership with ARCH Foundation.

ARCH researches on the schools that require labs, oversees the installation of equipments and trains the staff to maintain them. It also offers remedial support in case of a breakdown. The labs are meant to relieve the fatigue of textbook learning and make children learn scientific concepts, ideas and theories in an interesting manner.

A mini science lab has 110 table-top working models coupled with backdrops and manuals in several languages. The models bring the school curriculum alive for students between classes V to X. The schools which were chosen were willing to take ownership, provide space and electrical connections for the lab equipments.



As many as **37,952** students and **150** teachers from **23** government schools benefitted from the mini science labs that were installed during the year.



Mobile Science Labs (Agastya International Foundation)

In addition to helping underprivileged children at schools, LTTS is also connecting to school drop-outs in villages through its partner Agastya International Foundation via mobile vans. Through this exercise, LTTS and Agastya International work closely with the children to help improve their general knowledge across topics like hygiene, environment, water conservation, and resolving social problems. Each Mobile Science Lab travels to the doorstep of remote schools with hands-on science models covering a wide range of topics across Physics, Chemistry and Biology.

The demonstration sessions emphasize on interaction and questioning. Children are able to relate easily to the concepts explained through interactive demonstrations. The experiments are designed to stimulate counter-intuitive experiences, introduce questioning, investigation, experimentation and discovery. The program intends to bring out the joy of learning, reducing the fear associated with academics and improve retention of knowledge.

As many as **11,789** students and **155** teachers between grades V to X across **49** government schools benefitted from these activities.

This program which is run in concurrence with Agastya Foundation, conducts community visits and science fairs where skills of children are sharpened with scientific laws and principles from school syllabus. They present working models, interesting charts and display diagrams to generate interest in science.

The program also engages with teachers to enhance their training and imparts skills. It helps teachers invigorate school syllabus using low-cost, hands-on cognitive learning activities. Creative teaching aspects can help teachers form strong bonds with their students, to bring about a holistic development of children.



Teacher Training Program

LTTS joined forces with Indian Institute of Science (IISc) Bangalore, to train teachers from government schools in science and math. Due to exclusive dependence on textbook-based approach of the education system, few teachers themselves are inadequately trained in science experimentation. To bridge this gap, LTTS and IISc undertook a project to train under-graduate teachers in scientific experiments covering the curriculum of grades XI and XII. They were made to conduct experiments on concepts like Charles' Law, Boyle's Law, Electrolysis of Water, Osmotic Pressure and others.

Training the teachers also has a multiplier effect on knowledge sharing. Every trained teacher can train as

many as 70 students under her or him. To ensure that the effects reach the students, schools are also provided hands-on science kits which serve as aides for teachers who want to impart practical training.

120 teachers from government schools are trained, and teaching kits are provided to **40** government schools; benefiting **13,000** students in all.



Career Counselling (Social Body of IIT Bombay)

As many as 39% of school students in India drop out before they complete their education. To enthruse such students, especially from underprivileged backgrounds, and drive them towards a career, IIT Bombay started a career counselling program called Abyuday.

Students from municipal schools are guided by tech-savvy IIT Bombay students, bringing in much-needed empathy into counselling. The volunteer-based program covers students between grades VI to X. IIT students also reaches out to these students via school visits. It also expanded this program by making it available through a custom-made mobile app called Abyuday, which provides information and guidance as well. Counselling is also provided by a helpline where both students and volunteers can remain anonymous.

As many as **12,000** students across **300** government schools in Mumbai are covered through career counselling.

For Career counselling, call on
TOLL FREE Abyuday Helpline number

1800-200-2090

Your one-stop solution for career related queries!

Abhyuday
SOCIAL BODY OF IIT BOMBAY

L&T Technology Services



Visiting eStudents

Shreekanth Chikoti, an LTTS employee and a volunteer with eVidyaloka program, teaching English, was enthused to visit the students he mentors digitally, at Madanapalli in Andhra Pradesh.

Online Teaching eVidyaloka - Digital Classroom Program

A chasm exists between urban and rural students, as few underprivileged children ever experience the benefits of extremely well-qualified teachers. The Company attempted to bridge this gap while modernizing the education system. It aided the formation of digital classrooms that impart knowledge remotely, reaching the unreachable.

Students from rural schools in far-flung locations, are now taught by volunteering teachers across the country, via Skype. This program is supported by a strong collaboration between teachers, volunteers, and NGOs. They are complemented by well-structured and standardized course plans along with technologically advanced teaching aids. The courses are designed keeping in mind the syllabus of grade V to X students, studying in government schools.

38 LTTS volunteers have been reaching out to students across schools in Jharkhand, West Bengal and Andhra Pradesh. The teachers conducted more than 518 sessions for the students between grades V and VIII. Over and above this, LTTS also provides financial support to set-up digital infrastructure across multiple centers, allowing them to access high-quality education.

At Itki in Ranchi, a school was finding it difficult to retain students and average attendance was lower than **50%**. It also suffered from high dropout rates. After installing eVidyaloka, the centre has shown significant improvement in enrolment rates, motivation level of students are high and the average attendance of students is peaked to around **70%**!

As many as **1,235** students from **34** centers across **8** states are being educated by teachers, digitally.

NOTICE BOARD



We are thankful to LTTS and ARCH for selecting our school under Mini Science Lab project. Models installed in the lab are aligned with the syllabus and are helpful in explaining difficult concepts in an easy manner.

Jitendra C. Pancholi
Principal, CH Vidyalaya



This was the first time I had participated in a science quiz. It was a learning experience for all of us. My favorite round was logical thinking as it encouraged us to think and follow the pattern. Our team was one of the finalists.

Shreya Kumari
Student, CH Vidyalaya



We have incorporated the lab in our regular school timetable. Morning time is allotted for primary section and the second half is for the senior school. Students who used to shy away from the subject now yearn for these classes.

A.A. Kowadiya
Principal, MES School - Nagarwada



Workshop on Vedic Math was one of the best workshops I have attended in many years. Shortcuts to solve a math problem, verifying answers, solving long sums efficiently and in less time is very useful for X grade students.

Ghanshyam Patel
Teacher, Satyanarayan school



STUDENT SPEAKS

We would like to speak about Divya ma'am in a few words; We like our teacher very much. Along with teaching math, she encourages us to communicate in English, Hindi and Telugu languages. She shares a friendly relationship with students.

She taught us arithmetic in several ways and also made us learn English rhymes. This is helping us learn and speak fluently in English. When we were facing difficulties in addition and division, she made it easy by teaching simple ways to do the calculations.

She also taught us classroom decency, decorum and encouraged us to play new games, which helped us learn subjects in simpler ways. When we find our homework difficult, she does not punish us, but helps us understand the procedures to solve them.

eVidyaloka student



CASE STUDY



The Raman Effect on a student

It has been a year since Nagaraj has been visiting Agastya's classes, which he finds interesting. He believes that the classes are different from his school, as they provide an opportunity for the students to learn. He loves Physics and has particularly enjoyed the nutrition testing experiment.

Nagaraj has varied interests like reading, singing and playing kabaddi. Both his parents work in the hotel

industry, and has four younger siblings, who also go to school. He wants to help his family when he grows up. Sir C.V. Raman is Nagaraj's role model and his ambition is to become a teacher. He is confident that educating himself in science will help him achieve his goal. Nagaraj's village faces a problem of pollution. He feels that by creating awareness among the citizens of our country and by conserving nature, India can become a healthier country. He prepared a model on waste separation techniques, and was able to create a low-cost version of it! Nagaraj is busy finding a scientific answer to everything around him, as he believes that it pervades all.

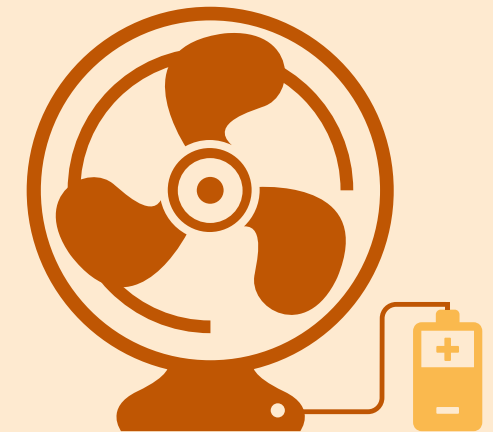
Building a battery-operated fan

Sriram, aged 11, is a student of class VI at GHS Nasarathpettai school, Kanchipuram. He is fluent in Saurashtra language apart from smattering of English and Tamil. His father is a cook and his mother a tailor. Sriram receives a scholarship amount which is credited to his bank account, and hopes to use it for his education. He smiles his way through the problems and says the solution to any problem can be found with a calm mind.

Sriram finds comfort among the friendly and pleasant teachers at Agastya center. He finds science classes extremely interesting, as the classes are not conducted inside the room, but are in the open. Scientific concepts are explained with models and experiments. He was proud that he could make a miniature model of a working fan using a battery.

Having learnt the concepts of measurement, Sriram applied them practically in a shop nearby where he purchases rice for his household use.

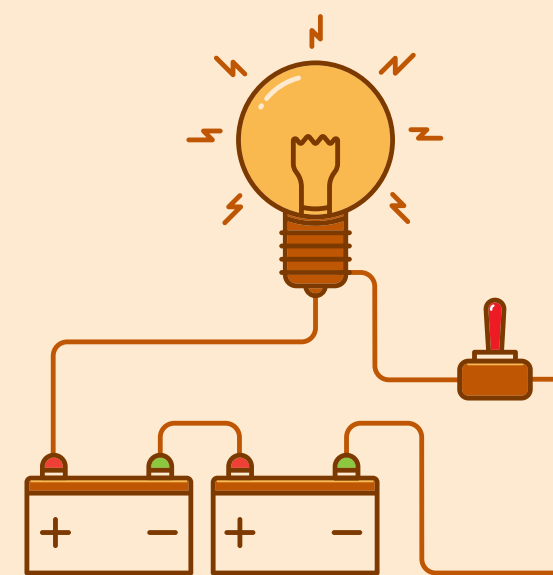
He is also passionate about environment and wants to plant rather than chop down trees. His dream is to become a doctor and Dr APJ Abdul Kalam is his role model.



A Budding Scientist

Swayam Dhunilal Gupta is 13 years old, and is a grade VIII student at NMMC School, Navi Mumbai. Swayam's father works as a fruit vendor, and his mother works in a restaurant. His sister balances studies while helping out with chores at home. He works his way through experiments and constructs various live models of the theories that he studies. He was greatly impressed by the demonstration of electric circuit taught at Agastya.

Swayam says that the process of generating new ideas attracts him to science. He is learning his basics in sound and light concepts. The student is greatly inspired by work of the great Indian scientist, Sir C V Raman. Time and punctuality means a lot for this young scientist, and he looks for role models in people around him. He is also inspired by his brother, as he taught him to be empathetic.



SKILL DEVELOPMENT

Driving Digital Literacy

In spite of the rapid strides made in technology, a majority of country's population lacks digital literacy. The digital revolution in India can be holistic only if the rural populace is motivated to take part in it. The government has been trying to bring the enthusiastic youth and working population who is eager to be a part of the modernization process, into the digital fold.

To spread IT literacy across villages, the Government's Digital Literacy Mission (DLM) or Digital Saksharta Abhiyaan (DISHA) schemes target non-IT literate anganwadi and ASHA workers, authorized ration dealers, to ensure democratization of India's IT boom.

LTTS Interventions

- Digital literacy training
- Skill building for differently-abled



LTTS Interventions

LTTS, in conjunction with L&T Public charitable Trust (LTPCT) along with IT industry body NASSCOM (National Association of Software and Services Companies) has devised an IT skill building model. The 40-hour module includes 20 hours training of MS Office; and 20 hours on digital literacy that includes cyber security.

The program at Anil Naik Technical Training Centre, targets electricians, fitters and welders and turns them digitally literate. As a part of it, the enrolled students are tested before training, during training and after training leading to certification.



530 youth and community members turn digitally literate in the year 2018-19.

Skill building for differently-abled

LTTS undertook a project to provide livelihoods to underprivileged differently-abled youth in rural areas. Professional skills training is provided to youth in Karnataka, to turn them employable.

Skills training is provided across industries like hospitality, retail, BFSI and IT / ITES. The program is in line with Skill India and National Digital Literacy Mission, and imparts use of technology, assistive aids and soft skills.

As many as 200 candidates were trained across four centers, in batches of twenty-five each. The program also takes care of students with counselling for three months after the training sessions. The project also networks and liaisons with industry, government and training and certification agencies; to generate employment.

200 differently-abled youth were provided vocational skills training, and **70%** of them were placed across industries.



CASE STUDY

A Job with Incentives

"My name is Hemant Halpati. I was trained in Agromechanics from Anil Naik Technical Training Centre at Kharel at Dist. Navasari. Though my parents are landless farm laborers, they were keen on my education. Yet, I had to quit school after Std X and work with my parents. After learning about ANTTC from one of the trainers, I joined the course of agro/auto mechanics. The stipend of ₹ 1,000 per month took care of my travel and other expenses, as I learned.

Along with technical training, I was provided 'basic computer training' offered by NASSCOM. This helped me fetch a job at PSG Motors, which is an authorized Royal Enfield sales and service station, at Navasari.

Owing to my digital knowledge, I prepare vehicle service reports on the computer, which lets me earn an incentive along with salary of ₹ 7,000 per month. I am thankful to LTTS program at ANTTC for combining technical training with digital literacy."



Supporting his family

Channabasava hails from an economically poor agricultural family of four, in Raichur district of Karnataka. He completed his high school education, but owing to the monetary issues, he could not pursue higher education. He yearned to achieve financial independence, in spite of his disability.

Soon, Channabasava realized that ability to converse in English and operate computers were important to clear competitive exams and gain employment. He also wanted to improve his confidence and speaking skills. He enrolled into the skilling program at Samarthanam Trust in Ballari.

At Samarthanam, he learnt to operate computers, improved his communication skills, soft skills, and typing speed. After three months of training, Channabasava turned adept at MS-Office. After a few interviews, he was employed at Vindhya Info Media for the job of a Customer Support Executive. Today, he is a confident independent individual who supports his family in addition to himself. He says that he is grateful for the support received from his family, LTTS and Samarthanam which led him to discover his true potential. "I want to help many more people with disabilities," says Channabasava.



HEALTH

Improving Rural Quality of Life

Healthcare remains a blaring gap that divides rich and the poor; along with urban and rural Indians. Most patients from rural areas remain unaware of their health conditions. Those who are aware cannot easily access a primary healthcare center which is located hundreds of kilometers away. Few of those who take the pain and cost of travelling also barely receive good quality treatment or consultation. Most of them can neither afford the treatment nor the travel, leaving them in a state of despair.

To cover this vast country's increasing healthcare needs, LTTS expanded the sphere of its health-related interventions, this year. While it had been concentrating on eradication of avoidable blindness in rural areas earlier, this year it has spearheaded programs to improve the quality of women and children with pre-natal care in tribal areas. It is also raising awareness about cancer in rural areas by supporting screening programs.

As many as **23,400** patients in rural areas benefitted from pre-natal care, eyecare and cancer screening programs.



Tribal mother and child development (careNx)

In the last ten years, infant mortality rate in India has almost halved. However, many rural and tribal areas in particular, gained less from these increased averages. As per the latest National Family Health Survey, infant mortality rates amongst scheduled tribes stands at 23.5%. Lack of awareness, education and nutrition coupled with a high number of young and underage mothers, compounds the problem.

LTTS' health programs ventures deeper into rural areas with

- Pre-natal care in tribal areas
- Rural eye care centers
- Mobile eye care camps
- Cancer Screening



LTTS Interventions

In July 2018, LTTS took up a project to improve maternal and child healthcare. The Company partnered with Savitribai Phule Mahila Ekatma Samaj Mandal and careNx to bring quality pre-natal healthcare to expectant mothers, in remote areas of Nandurbar district in Maharashtra.

As a part of this undertaking, ASHAs or Accredited Social Health Activists provide ANC or antenatal tests right at the doorstep of pregnant women. The ASHAs are trained in CareMother technology and use an app to register expectant mothers and low birth-weight children and follow-up with their care.

An ASHA covers 6-7 hamlets, visiting door-to-door to identify beneficiaries and register them. Women who are known to be at risk are often referred to a physician with follow-up and results of the improvement are captured on a mobile app. The target is to reach 66 hamlets of Moligi Gram Panchayat of Akkalkuva Block of the district. Due to ANC testing, women's risk factors were reduced by about half in the target areas.

519 mothers were covered with **911** ANC tests and **411** high-risk mothers were identified. The follow-up success rate of the program is at **92.5%**



Key Actions Taken

Interventions undertaken to avoid still births amongst high-risk mothers. Their status of health is monitored periodically and parameters reported at quarterly reviews. The project studies the state of existing *Anganwadis* and ensure that nutrition is provided to tackle the problem of anemia. Trained birth attendants or *Dai's* are provided to those deemed necessary.

The project trained 20 ASHAs on CareMother technology and to register via mobile app.

- A nutrition awareness drive was undertaken through Ekalavya Gramin Adivasi Vikas Mandal Kanjala (EGAVMK).
- Take-home ration was provided to the beneficiaries.
- Beneficiaries were encouraged to take up kitchen gardening.



As a result of the efforts, the total count of live births was at **93%**.
95% of the babies were born with a birth weight higher than **2.5 Kg**.



Fighting Rural Blindness (Laxmi Charitable Trust)

Eradication of avoidable blindness is a key healthcare initiative that is pursued by LTTS. A large number of rural Indians suffer from treatable eye conditions which result in blindness, like cataract. In urban areas, cataract surgeries

are performed at free clinics, but rural population has to travel long distances for eye examinations. District-level government hospitals are over-crowded, leaving very few hassle-free treatment options for the rural poor.

LTTS' Initiatives

LTTS supports NGOs who aid the delivery of technology-enabled eye care to the rural poor, in remote areas. LTTS aided the Laxmi Charitable Trust in building two primary vision care centers in Uran and Murbad in Maharashtra. LTTS also helped the Trust to mobilize the patients from villages to the nearest hospital, for cataract surgeries.



A total of **10,146** rural patients were screened for eye-related ailments and **1,000** cataract operations were performed and **1,500** powered glasses were provided.

Mobile Eye Surgical Camps (Medical Research Foundation)

LTTs has a long-standing partnership with Sankara Nethralaya, which has been working for rural eye care for years. This year, LTTs donated a 51-seater bus which helps transport patients from the campsite to the base hospital.

The Company also supports Mobile Eye Surgical Unit (MESU) projects where mobile units are equipped to perform surgeries, travel to remote campsites. The units include an ophthalmologist, an optometrist, nurses and

other staff. They examine and operate on patients right in their village, and also provide powered glasses as necessary, after a post-operative check-up.

Between May 2018 and March 2019, eight MESU camps were held in the states of Andhra Pradesh, Tamil Nadu and Karnataka. The Sankara Nethralaya project also helps spread education and awareness; helping prevent avoidable diseases.



In 2018, **7,554** patients were screened across **8** MESU camps and **1,149** patients were operated for cataract.



Cancer Screening (Indian Cancer Society)

The incidents of cancer have been on the rise.

Unfortunately, this fatal disease claims more lives as few patients are aware of their condition. Timely screening of cancers can make a difference to the cure, which can help increase lifespan. LTTs supports Indian Cancer Society's 'Rise Against Cancer' movement which intends to raise awareness of the disease, via early detection through camps.

LTTs and ICS organized 76 cancer screening camps in several villages, towns and cities of Karnataka, targeting high risk cancer populations especially amongst underprivileged communities. ICS also conducted pre-screening surveys in pockets of rural Karnataka and established partnerships with three hospitals and other hospitals to reach more towns and rural areas.



Total no of Screened: **5181**
Probable cases of cancer: **277**
20 cancer patients were supported financially for initial treatment.





OUR BENEFICIARIES



Guiding a high-risk pregnancy

"ASHA Tai came to Umili pada and she tested my pregnant neighbour. Most of the women gathered around the house to see the kit and the smart phone. She spoke about risks in pregnancies and the steps that can be taken to avoid it. She explained the importance of check-up in early stage pregnancy.

Upon check-up my pregnancy was confirmed. She also took my details, clicked my photograph and registered me using her smart phone. She informed that I am at risk due to my height, low haemoglobin and excessive protein in urine.

ASHA Tai asked me to consult a doctor and accompanied me to the primary healthcare center. ASHA Tai constantly guided me during the pregnancy period. Currently, I am in the tenth week and hope to deliver a healthy baby. "

Anonymous



Avoiding a Stillbirth

"I am a 32-year old resident of Nalipada hamlet in Nandurbar district, and was pregnant for the seventh time. I had suffered three still-births and was unaware of the reason behind the same. During the third trimester of my last pregnancy, ASHA Tai visited my home which is located far away from the road. She had a box with many devices in it.

I was reluctant to take the tests. However, upon consultation by ASHA Tai, I agreed and she took my blood test, checked my weight and BP. She explained that I was anaemic and my height is low and have to consult a doctor to avoid another still-birth. I shared this information with my husband and we visited the primary health center at Molgi where doctor gave me advice on diet and medication. I followed all the advice and it enabled me to give birth to a healthy daughter who weighed 3 Kg. I am thankful to LTTs who facilitated through ASHA Tai, for timely follow-up and service. "

Anonymous



Hardworking babysitter gets a new lease of life

Sitabai Moreswar Jhunjarao is an 80-year old lady living in Newalpada of Murbad Taluka. Her family consists of six members.

Her son and daughter-in-law work as daily labourers, and Sitabai babysits her grandchildren at home. She contributes greatly to housekeeping as well. But her blurry vision made it difficult for her to carry on her chores. She had turned dependent, but her son and daughter-in-law could not stay home, as they had to earn a living.

One of her neighbours informed her son about Murbad vision centre where he took his mother, and realized that she needed cataract surgery. The co-ordinator informed them that the surgery will be performed free-of-cost, as they receive a grant to serve patients like her.

Sitabai was operated at Laxmi Charitable Trust Eye Hospital at Panvel, with IOL implants in her right eye. This surgery gave her vision back and now she is happy with her new-found independence.

Farmer's optical obstacles are gone

Vitthal Gopal Isame is a farmer of Wadachapada Village, and despite his advanced age works on the farm. His son too helps him cultivate their small piece of land with minimal income. He noticed his blurred vision when he was at the farm one day and communicated it to his friends and family members.

One of his fellow villagers who had received treatment at the Laxmi Charitable Trust Eye Hospital, informed him about it. He visited Murbad vision centre and was advised to undergo cataract surgery. After he was worried about the cost, the co-ordinator informed him that it would be performed free of cost. He was then transported to base hospital at Panvel where he was operated after a few routine procedures. After the restoration of his vision, he is happy to be back at his farm.



WATER

Replenishing Parched Lands

India has been going through its worst-ever water crises for the last few years. The per capita water availability has fallen by 15% between 2001 and 2011 and is set to fall to 13% by 2025. The country is at high risk of turning into a water scarce nation. Excessive farming, lack of water retention processes and water structures coupled with lack of awareness has led to the crisis.

LTTS has been working to alter the socio-economic dynamic of parched communities; by undertaking holistic developmental programs by constructing water harvesting structures in the rural communities. Water-starved communities tend to be low on education and surrounded by socio economic issues which are now addressed by the watershed and watershed+ projects.

Ketkavane village is in Kolwadi watershed project location which has a farm pond and contains **1,32,495** litres of water. This was possible due to the watershed project of LTTS and project partner National Agro Foundation. The farm ponds increased the total irrigated area and the community have started their second cropping on about **150** acres of land. Paddy cultivation per acre also increased from **20** bags to **24** bags per acre.



Integrated Watershed Management Projects (IWMPs)

The integrated watershed management projects in partnership with National Agro Foundation (NAF) is intended to drive a broad range of impactful water conservation activities.

Apart from building water infrastructure, de-silting wells and creating farm bunds, the project also guides beneficiaries on activities to improve soil health, farm productivity and increase in green cover.

The project covers a wide-range of activities like animal husbandry, agroforestry, horticulture and income generating programs which increases household income

10,000 people have directly benefitted from the LTTS watershed projects in kolwadi (Maharashtra) and Kokkranthangal (Tamil Nadu)

while engaging women in the project location. The beneficiaries are also encouraged to organize themselves into groups like mahila pani samiti (MPS) and village watershed committee (VWC) in order to maintain water conservation structures for the future. The mission of the project is to create sustainable communities which are productive and exemplary.

LTTS has undertaken watershed interventions in two geographic location – Kolwadi in Maharashtra; and Kokkranthangal in Tamil Nadu. These projects have yielded successful results and the community has benefitted from the project. Kolwadi Project has made 100% progress in three years where as Kokkranthangal watershed project has progressed by 60% in the last two years.



Impact of the project is as follows:

- 12 checkdams constructed surrounding five villages
- 63 farm ponds constructed in five villages
- 207 cubic meter of water absorption trenches constructed
- 1 village pond constructed
- 4 units of toilets constructed in 4 government schools, 150 children and 18 school teachers benefitted
- 7336 horticulture & 2500 agroforestry saplings distributed
- 848 animals benefitted through veterinary camp
- 300 acres of land cultivated for second crop in the year
- 52 mahila pani samiti members earn ₹1,500 per month as additional income through income generating programs
- Exposure visits were organized for village committees to modern dairy farms, organic farms bio-fertilizer and bio-pesticide manufacturing units
- 247 children & 31 village watershed committee members of the village benefitted from health camp
- 25 farmers benefitted from vermi compost training organised for village watershed committee members

Kolwadi Watershed Project

Kolwadi watershed project covers five villages namely Kolwadi, Kathwadi, Mangdari, Ketkavane and Nigde at Velhe taluka of Pune district. The entire area has been suffering from erratic rainfall and has a tough terrain of slopes and denuded surroundings, making water conservation tough.

Significant results have been achieved for the farmers and community with the construction of checkdams and farm ponds. Migration has reduced to 80% and the farmers are now taking second crop due to the availability of water.

IMPACT

Since 2016, as a result of the watershed activities, the ground water table rose by 10 feet, and crop productivity increased by 150%, in spite of a poor monsoon. As of now, 51 million litres of water has been harvested by constructing checkdams, farm ponds, water absorption trenches and de-silting of wells.



Kokkranthangal Watershed Project

This watershed project covers Kokkranthangal, Amaindhakaranai, Arcadu and Budhur villages in Kanchipuram district in Tamil Nadu. The objective of the project is to conserve water, reduce migration, improve agricultural practices, increase crop and yield productivity.

Since the inception in 2017 the project has shown significant progress covering natural resource management in four watershed villages. The project will continue till 2020.

Impact of the project since, 2017

- 5 checkdams constructed in four watershed villages
- 1 sunken pond constructed
- 1500 cubic meter water absorption trenches constructed
- 2887 running metre field bund constructed
- 1750 Agro horticulture plants distributed to 307 beneficiaries
- 28 farmers benefitted from exposure visit and agricultural training programme
- De-silting of water bodies, 10280 cubic meter completed
- Channel cleaning of water bodies, 7840.25 cubic meter completed
- Construction of school compound wall completed

LTTTS Watershed+ Project:

A comprehensive village development program

Duration of the project: 24 months

Background of the project:

Since 2016, LTTTS watershed project at Kolwadi location has addressed soil and water conservation covering five villages; Kolwadi, Kathwadi, Mangdari, Ketkavane and Nigde. Income generation program, agriculture and horticultural interventions have also been implemented for the betterment of the farming community. With the collective years of field experience and through the extensive baseline study, significant gaps were identified in the Kolwadi watershed area covering five villages, of which Kathwadi has several unaddressed issues for decades.

Key project deliverables: Drinking Water Provision, Sanitation, Renewable energy, Income generation program, Capacity building and Agricultural production system

The project components address the community's needs by providing adequate and safe drinking water through proper pipeline network, restructuring the improper

17 checkdams and 63 farm ponds have been constructed in Kolwadi and Kokkranthangal watershed villages.

sewage drainage line, providing sanitation facilities, renewable energy solution, promoting income generation activities and improvising the agricultural production system.

Gender mainstreaming is also the part of project delivery mechanism by strengthening and involving the village watershed committee (VWC) and mahila pani samiti (MPS) in the implementation process.

Capacity building of community at various levels to sustain the project

Achievements till date:

- Constructed rice & flour mill for value addition
- Constructed new drinking water well

- Installed solar powered pump for water supply
- Installed water purification plant for hygienic & healthy drinking water

To help the village fully sustainable and make it smart, objectives for FY2020 will include;

- Construction of individual household toilet cum bath room and sewage system
- Installation of biogas plant and smokeless cooking range



CASE STUDY

A widow turns self-reliant

Widowhood forces many women from patriarchal societies, into poverty. Apart from lack of economic support, these women are subjected to contempt by family members, even at marital homes. They are also treated as social pariahs, barred from participating in family events and are often denied property rights.

Humiliation, harassment, loneliness, abandonment, are some of the many social ills that the widowhood brings. Such treatment can push women into depression and self-pity. Yet, Ratna Shankar Pilane aged 42, from Katwadi fought back against the system.

Despite the loss of her husband, Ratna made up her mind to raise two daughters and a son, by herself. In spite of minimal emotional and financial backing from her husband's family, she worked to overcome her hurdles.

When her husband was alive, Ratna was never employed, and had no savings as she hails from a below poverty line (BPL) family. She had two acres of agriculture land, which provides her with an income of ₹ 25,000 per annum. This income was insufficient to feed her family and was forced



to take loan at high interest rates. Mahila Pani Samiti committee formed in the Kolwadi watershed project of LTTTS were supported with revolving funds to promote income generating programs (IGP) within the community.

Mahila Pani Samiti members provided Ratna with a loan of ₹ 16,000 with repayment terms of ₹ 500 per month. Using this money, she purchased three sheep which provided her with additional income. After six months, she started earning an additional average income of ₹ 2,000 per month.

Ratna is thankful to **L&T Technology Services** for the support, which helped her to earn additional monthly income to support her family.

The financial support allowed Ratna to change her life and live with dignity & self-confidence.

ENVIRONMENT

Enlightening the World

According to the government data, 18,000 villages have been connected through rural electrification over the past three years. Yet, according to the International Energy Agency, nearly 240 million Indians were devoid access to electricity in 2017. One out of every five people around the world, without access to power, lives in India (Source: Forbes Apr 30, 2018)

India is blessed with tremendous solar potential. Solar power systems are relatively cost effective and requires minimal day-to-day intervention, which make them particularly suitable for use in rural areas of the country.

Despite being referred to as a utility, electricity remains a luxury for many underprivileged communities across the country. The worst affected are the tribal who live in clearings near villages, literally far off from civilization. Due to the distance, it is not possible for them to easily connect to the grid.

LTTS devised a unique method to bring light to these small communities, using energy efficient solar energy for individual families. This initiative in partnership with Swamy Vivekananda Youth Movement (SVYM) a Non-profit who works for the rural underprivileged communities in Karnataka.



LTTs Interventions

LTTs along with its project partner has been working to provide solar electricity in villages which have poor or no supply of electricity. Night hours has been a challenge as the community especially women and children feel insecure of wild animals and snakes. The power supply has always been a challenge for the rural tribal communities for years.

LTTs has harnessed solar energy project to connect all the 61 homes, school, community hall, and village nursery school with 20 street lights of Manchegowdana Halli near Mysuru, as a part of Phase I in FY2018, which is now successfully commissioned & sustained.

In the Phase II of the project 33 homes, community center and 9 street lights were installed in tribal colonies of Vaderahalli hadi and Chikkabaragi hadi in FY2019.

Outcome

Quantitative outcome:

- Reduction in kerosene oil usage by 3 – 4 liters per month per household

Since 2017, **400** people from **94** homes in remote tribal villages, now enjoy the benefits of sustainable energy and pollution-free atmosphere.

- Average saving per month per household of ₹ 200 – 300 on mobile charging and usage of kerosene
- Women groups are engaged in income generating programs (such as tailoring) resulting in some additional earnings of up to ₹ 400 – 500 per month during night hours

Qualitative outcome:

- Assured safety among tribal communities from wild animals and snake bite
- Improved living conditions for women
- Cooking at home during late evening easier, safer and hygienic
- Assure safety of women during night through well-lit street enabled by solar street lights



Protection & Restoration of Public Places

LTTs has been following the group's green ethos, and has been taking up green and clean initiatives across the country. These initiatives include highway beautification projects and restoration of public places in the interest of local communities and for pride of the nation.

The objective is to transform them into culturally significant areas, while planting and maintaining trees, and provide a green cover for visual aesthetics.

The Company tied-up with Meta Design to maintain and develop a road median project between Koperkhairane and Rabale of around 6 ½ Kms. area on Thane Belapur Road, Navi Mumbai.

As part of the project, LTTs planted trees, shrubs, flowering plants & creepers and regularly waters them. The railings along the road divider are painted in VIBGYOR themes with focus lights and social messages.

The Navi Mumbai median project has;

- **42,365** flowering plants, shrubs, creepers
- **100** signage poles
- **535** social messages
- **180** warli paintings
- **50** solar mashals,
- **76** spike lights

LTTs has also undertaken the maintenance and development project of the Dr. Jagjivan Ram round-about near the railway station and Dr. Rajkumar park in Mysore.

The park has now been transformed into a culturally significant area to honour Karnataka's most famous actor, Dr. Rajkumar, which brings in tourists from all around the world, through the year especially in several thousand during the Dussehra period.

LTTs was conferred with the 1st prize recognizing its efforts to make Mysore green, beautiful and add beauty to the city during the Dussehra celebrations by the Commissioner of Mysore.



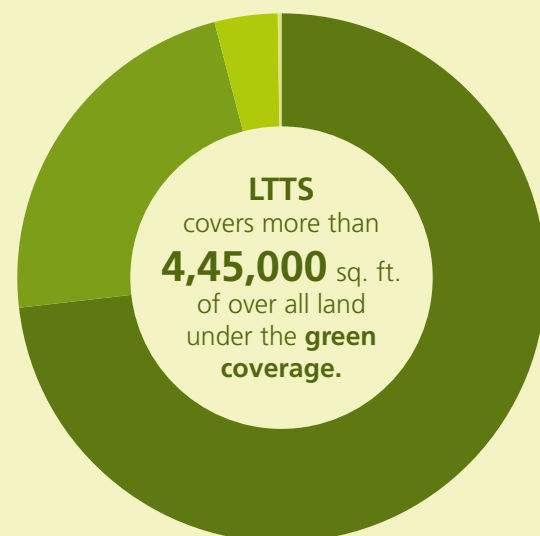
The total area of the park is ~ 7.2 acres and the circle is ~ 1,000 Sq. Ft.

Adopt a Flyover

As a part of Bangalore Municipal Commissioner's Adopt a flyover initiative, LTTs in partnership with India Rising Trust, has taken up a project to build and beautify the walk path / foot path under Veeranapalya flyover near Manyata Tech Park, Hebbal.

The total area is 30,000 Sq. Ft. which is divided into four sections. The project turned this vacant space into a utility area for the locals with barricades, U-turns, public seating with shelter and police booth.

This project improved the aesthetics with overall cleanliness of the area. This is a part of the city's endeavor to transform vacant and dirt-gathering areas under flyovers into beautiful gardens, which Bangalore is known for.



- 1,000 sq. ft. through the circle maintenance and development.
- 30,000 sq. ft. through under fly over maintenance and development.
- 1,00,000 sq. ft. through the median project maintenance and development.
- 3,14,000 sq. ft. through park maintenance

SPORTS

Overcoming Hurdles

India is home to around 26.8 million differently-abled people of which about 7.8 million are visually impaired and unfortunately around 80% of them reside in remote and isolated villages.

Around 45% of the differently-abled never receive basic education or sustenance support. They remain ignored by the society and even within a family structure while being treated as dependents. Quality education, skilling and inclusion can provide them confidence with dignity and economic independence.



LTTS Interventions

LTTS is striving towards achieving social inclusivity by providing a platform for the differently-abled to showcase their talent, through sporting events. Traditionally, sports have been reserved for athletically endowed people, bringing in people who possess the best health and physique. However, differently-abled people have overcome physical and emotional challenges to participate and thrive in sports of various kinds. Supporting such players, and encouraging more of them to shine in sports, can wipe away the stigma associated with them.

Around **200** differently-abled players across the country were trained this year.

Recognizing and showcasing the talent of such sportsmen who have struggled to build successful careers can inspire many more across the country. By demonstrating 'ability', they will also be accepted more willingly by potential employers, turning more of them financially independent.

LTTS partnered with Samarthanam Trust for The Disabled to train disabled youth, turning them employable and placing them in appropriate jobs through Sports project.

Activities undertaken

- Potential players were identified by organizing grassroots awareness tournaments
- Nutritious food, secure lodging facilities and coaching was provided to the players
- Players are encouraged to participate in district, state and national level competitions
- Players are provided with leadership skills, soft skills and life skills



Blind Cricket Tournaments

LTTS empowers blind cricketers and supports tournaments by identifying talent, training and nurturing them. The Company believes that these tournaments act as rehabilitation drives, which also motivate them towards independence and gainful employment. Cricket is the country's most popular game and can help dissolve cultural barriers and boost confidence, while raising awareness in the society and dispel myths on the capabilities of the visually impaired.

Triangular cricket series for blind was supported by LTTS in which India, Sri Lanka and England participated

Project Highlights:

- The series – L&T Technology Service Triangular Cricket Series for blind
- India beat Sri Lanka by 9 wickets in the LTTS Triangular Cricket cup finals
- Winner's & the runner's trophy was presented by Hon Governor of Goa Smt. Mridula Sinha to the Indian & the Sri Lankan blind cricket teams respectively
- The entire tournament was covered by the print, social, radio & electronic media from October 05 to October 13, 2018

- Facebook & Youtube – 118761 viewers
- We like (App) – 122806 followers

- Cricket coaching for 200 visually impaired from April to May 2019 to build their morale, self-confidence, discipline, team building, teamwork and to enhance their leadership qualities
- Physical exercises (Yoga & Gym) for a strong body and mind
- Training on special communication skills for 200 visually impaired cricket aspirants
- Training on basic computer for 200 visually impaired cricket aspirants

Two sports tournaments were organized with participation from **236** sports aspirants

Wheelchair Tennis

LTTS also supported wheelchair tennis tournament in Chennai organized by Indian Wheelchair Tennis Tour (IWTT), in partnership with ASTHA a Non-profit organization which encourages and supports wheel chair tennis.

6 women and 30 men from the states of Karnataka, Tamil Nadu, Delhi, Madhya Pradesh and Maharashtra participated in the tournament, some of them holding world ranking.

As a part of the program, a beginners' workshop called "First Serve" was organized to bring more talented young people into the sport.

In the future, LTTS and ASTHA intend to turn wheelchair tennis into a competitive platform for aspiring sports women.





PHOTO FEATURE



Tournament winners, India, with LTTS personnel



The inauguration of the tournament and launch of the jersey by; Worshipful Mayor of Bangalore, Mrs. Gangambike Mallikarjun, Mr. Ramalinga Reddy, MLA



Winners trophy was presented by Honorable Governor of Goa Smt. Mridula Sinha to the Indian Team



Wheel chair tennis: Mr. Paneesh Rao, CSR Head, LTTS gave away the prizes to the winners.



Players encouraging each other!!



PROJECT INAUGURATION



Dr. Ramaswami N. (I.A.S.), Commissioner of Navi Mumbai Municipal corporation, inaugurating the Median project development & maintenance, Thane Belapur road (6.5km stretch)



Deputy commissioner Mr Nitin Kale of Navi Mumbai Municipal corporation (NMMC), Additional commissioner of NMMC Ravindra Patil and Seema Ghanekar, Global delivery head, Media & entertainment during the completion event of the development of the median project



Dr. Rajkumar Park - maintenance project inaugurated by Mr. K. A. Jagadeesha (KAS), Commissioner of Mysore Corporation



Dr. Jagajivan Ram circle-maintenance and development project - inaugurated by Mr. Paneesh Rao, CSR Head, LTTS



Rural eye clinic inaugurated at Uran by Mr. Anant Gite, Union minister, Mr. Srirang Barne, MP and Mr. Manohar Bhoir MLA



Manjunatha Prasad (I.A.S.), Commissioner BBMP, Bangalore Inaugurating the Under Fly Over development project, near Manyata Tech park, Hebbal

OUR SAMARITANS



The employees of LTTS play a significant role in the success of every endeavour, and volunteering program is no exception. Our employees worked towards various projects with missionary zeal and enthusiasm.

38 LTTS employee volunteers taught rural underprivileged children under the digital classroom (eVidyaloka) initiative as part of the volunteering activities

As multiple natural disasters struck various areas around the country during the year, Samaritans contributed towards relief and rehabilitation work. LTTS Chennai employees donated relief material worth over ₹ 1 lakh, after Cyclone Gaja, helping 104 families in the village Karpaganathakulam in the Thiruvallur district. Employees from Bangalore and Mysore offices personally travelled to locations and delivered flood relief items, for Kodagu and Kerala relief work.

Samaritans also regularly dedicate their off-duty hours to partake in education programs. LTTS employees also partook in a career counselling program that was conducted via video conferencing with children from underprivileged backgrounds.



LTTS employees are also a part of Teach for India program where they volunteer to guide and mentor children in addition to teaching. The program has been going on with TFI for the last two years, inspiring many underprivileged children to pursue education seriously. Employees also enthusiastically partake in various activities like science fairs, quizzes, blood donation camps, tree plantation drives and many more.

Around **1,437** Samaritans dedicated **3,597** hours to volunteering work for **40** CSR activities throughout the year.



SAMARITAN'S MESSAGES

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Raveesha
volunteer, Bangalore

I am proud and excited to be involved in every LTTS CSR activity from eVidyaloka to Veeranapalya UFO project to visiting orphans' schools and science awareness program, mobile labs, blood donation camps; and many more. It gives me an opportunity to serve our society directly by involving in educating students of remote government schools and keep our environment neat, clean and safe.

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Singupuram Lakshmana Rao
eVidyaloka volunteer, Mysuru

I am so happy to be a part of the CSR activity which enabled me to teach rural children through eVidyaloka program. It was a great experience to give back something to society and LTTS CSR initiatives have always provided these opportunities. I want to express my sincere gratitude to the CSR team who has been supporting me to take part in this activity during my free time. It helped me become a better person as well.

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Latha Om Prakash
CSR SPOC, Mysuru

Each one of us live for our family and friends. But taking some time out for others, who are in need of our services and bring in smiles on their faces, is a good gesture. We, at LTTS, get this opportunity to work together to make someone smile. I urge everyone to just give few hours of their time to make a difference.

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Veer Singh
volunteer, Baroda

I feel gratified to be the part of LTTS' CSR activities. Every event of CSR boosts my confidence. At LTTS, I have a platform to use my skills and knowledge for the benefit of the society. It helps me learn new things. Being part of a good cause is very precious and I am lucky to be given this opportunity.

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Divya B
Volunteer, Bangalore

A big thumbs up to CSR and its members, for its great social work. I enjoy teaching rural students via this platform. Thanks to CSR and eVidyaloka for giving me this opportunity. Let us keep up this good work and add more value to LTTS.

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MEDIA COVERAGE

Goa to host triangular cricket series for blind from today



Indian openers crush Lanka to win tri-series



Captain of Indian cricket blind team receives the tri-series trophy beating Sri Lanka at GCA Ground, Porvorim on Saturday

NT NETWORK

PORVORIM

India beat Sri Lanka by 10 wickets in the final of the Triangular International T20 Series for the blind, played at GCA Stadium Porvorim on Saturday.

Indian captain Ajay Reddy won the toss and opted to bowl first. The captain justified his decision and got a wicket in the very first over of the match.

The Sri Lankans were never able to comeback after an early loss and were bowled out for 119 in their 20 overs with the captain leading from the front.

India sent out a new opening pair of Durga Rao and Anil Ghariya. They scored an unbeaten century partnership as India completed a convincing 10 wicket win and lifted the Tri-Series trophy.

The two teams now proceed to Pune where they play the first of the 5 international T20 games.

SCORES

Sri Lanka 119/10 in 20 overs, Priyantha 30, Ajay 4/15 **India** 120/0 in 13.1 overs, Durga 63, Anil 45

नवी मुंबईत ६.५ किलोमीटर लांब रस्त्याच्या प्रकल्पाचे उद्घाटन



AWARDS & ACCOLADES

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



Felicitation by Commodore Rakesh Anand from CMD Mazagoan Dock ship Builders Ltd, Mumbai (Mar 2019) at a program organised by Laxmi Charitable Trust – LTTS CSR partner.



CSR Excellence Award 2018 conferred by Indo American Chamber of Commerce on October 04, 2018



L&T Technology Services honored with the Best CSR Practice Award 2018 by the UBS Forums on November 28, 2018



L&T Technology Services honored with the Best CSR Practice by Mysore City Commissioner Mr. K. H. Jagadeesha (KAS)

Activity-wise spends on CSR in FY 2018-19

All the figures in ₹ Millions

Sr. No	CSR Project or Activity Identified	Sector in which the project is covered	Project or programs Local area or other Specify the state and district were program and projects was undertaken	Amount outlay to project (Budget) project or program wise	Amount spent on projects or programs Sub Heads: Direct Expenditure on projects or programs Overheads + taxes	Cumulative expenditure up to the reporting period	Amount Spent: Direct or through implementing agency
1	eye care camps, cataract surgeries, mother care and cancer screening & awareness camps	Healthcare	Andhra Pradesh Maharashtra Tamil Nadu	26.25	27.95	27.95	Sankara Nethralaya Laxmi Charitable Trust Indian Cancer Society CareNx
2	establish mini science lab, government school teachers & sports for the differently abled	education & skill development	Andhra Pradesh Gujarat Jharkhand Karnataka Maharashtra Tamil Nadu Telangana West Bengal	28.60	39.76	39.76	Indian Institute of Science ARCH Foundation Samarthanam Trust ASTHA Agastya Foundation
3	integrated watershed management, watershed+ & solar lighting project	water conservation & environment	Maharashtra Karnataka Tamil Nadu	25.30	14.90	14.90	National Agro Foundation Swami Vivekananda Youth Movement
4	protection & restoration of public places	protection & restoration	Karnataka Maharashtra	15.00	14.90	14.90	Meta Design India Rising Trust
5	corporate volunteering program	corporate volunteering program	Gujarat Karnataka Maharashtra Tamil Nadu	3.60	3.20	3.20	e vidyaloka Other Partners
6	management expenses	others		3.95	0.61	0.61	
TOTAL SPEND				102.70	101.32	101.32	



L&T Technology Services

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