I am delighted and privileged to release the annual report of the Information Technology, Electronics, and Communications [ITE & C] Department for the sixth year in a row. I feel proud that this practice of putting out our activities and accomplishments in the public domain brings new standards of transparency and accountability both for me as the Minister and amongst all my officers.

Last year, we successfully achieved our target of doubling IT export numbers in 5 years from 2014 to 2019, achieving way more growth than the national average. Continuing to deliver on our own high expectations, Telangana achieved 17.93% growth in IT/ITeS exports (2019-20) which was more than double the national average (8.09%; 2019-20). The number of jobs in the sector rose by 7.2% last year, making us a 6-lakh-strong IT workforce.

This year, for the third consecutive time, our state was invited to WEF’s annual meeting in Davos. This is a testament to Telangana establishing itself as a leader in business and innovation practices and leading India’s charge to become a truly global economic superpower. The 50th year of Davos had plenty to offer. Our small delegation had over 50+ bi-lateral meetings and 5+ panel discussions over three days at WEF. We used this opportunity to discuss multiple strategic collaboration possibilities once again with some of the most valued companies such as Roche, Amazon, Google, Salesforce, AB-InBev, Rockwell, etc.

We are confident that the various outcomes that are going to come because of this annual exercise will no doubt bring new investments into Telangana as well as benefit the state in several other strategic areas.

I am happy to reiterate that Telangana has declared 2020 as the Year of Artificial Intelligence. With new technologies such as AI and Big Data Analytics expected to generate eight lakh jobs in the country in the next two years, we have launched a dedicated program for AI in 2020. No business can stay untouched from the AI revolution. It is expected to transform the global economy and early adopters will have first-mover advantage. Therefore, the Telangana government is setting a vision to accelerate AI readiness and develop a conducive ecosystem in the state. Towards these efforts, the state is happy to launch its “AI Framework document” which outlays our AI strategy to transform Healthcare, Agriculture, Education, Transport, Law Enforcement, and Citizen Services. For the planning and execution of all the initiatives and projects identified in this strategy framework, Government of Telangana has set up T-AIM (Telangana AI Mission), in collaboration with NASSCOM and its members.

We are now fighting an unprecedented crisis. COVID-19 pandemic is inflicting high and rising human costs worldwide, and the necessary protection measures are severely impacting economic activity. As a result of the pandemic, the global economy is projected to contract sharply by 3 percent in 2020. I would like to thank every single stakeholder who rose to the occasion and is helping us fight both the humanitarian and economic crisis. The government will take on the mantle for paving the way forward, and “Bangaru Telangana” will set an example for the world to follow.
ITE&C Department’s Profile

Information Technology, Electronics & Communications Department plays a crucial role in

• Policy formulation for IT, ESDM sector
• Conceptualizing and initiating various e-Governance initiatives
• Promoting investments in IT, ITES, ESDM, and other emerging technologies through proactive measures
• Creating a congenial environment for IT, ESDM companies to setup/expand their operations
• Monitor the benefit of IT percolates to the last mile of the State
• Providing strong communications backbone in the State

Vision
To leverage Information Technology not just for effective and efficient governance, but also for sustainable economic development and inclusive social development.

Mission
To facilitate collaborative and innovative IT solutions and to plan for future growth while protecting and enhancing the quality of life.

The Department:
ITE&C Department functions under one Principal Secretary assisted by senior and middle-level officers. The Department has

Seven Wings:
Promotions Electronics Communications Infrastructure e-Governance Emerging Technologies Administration

One HOD:
Commissioner/ Director, Electronic Services Delivery (ESD/ MeeSeva)

One Public Sector Undertaking:
Telangana State Technology Services (TSTS) Ltd.

Three Societies:
Society for Telangana Network (SOFTNET)
Telangana Academy for Skill and Knowledge (TASK)
Electronics Society

Six Companies:
T-Hub Foundation (T-HUB)
We-Hub Foundation (WE Hub)
Telangana State Innovation Cell (TSIC)
T-Works
T-Fiber
Photonics Valley Corporation (PVC)
Telangana's IT/ITeS exports grew at 17.93% (YoY) to reach Rs.1,28,807 Cr from Rs.1,09,219 Cr from the previous year. It is more than two times the national growth rate of 8.09% and more than two and half times of rest of India’s 6.92%.

The sector provided direct employment to 5,82,126 professionals while the workforce comprised of 5,43,033 personnel last year. A jump of 7.2%. National growth rate is at 4.93% while it is 4.59% for rest of the Nation.

Telangana's share in India’s IT exports went up to 11.6% from 10.6% while the share in India’s IT export growth for 2019-20 is at 23.5%.

Telangana’s share in India’s IT workforce grew from 13.06% to 13.34% while the share in the growth for 2019-20 is at 19.07%.

The growth story is phenomenal considering the impact of Covid-19 pandemic in the last quarter of FY 2019-20.

Government of Telangana has unveiled a focused Policy for the growth and development of IT/ ITeS sector in the Tier-II cities and rural areas.

IT Park is now operational in Warangal with M/s. Cyient, M/s. Tech Mahindra, among others, commencing operations.

IT Towers in Karimnagar, Khammam, Mahabubnagar and Nizamabad are in various stages of completion with an array of companies committed to start their operations.

(The Export figures were converted into Rupees from the USD figures given by NASSCOM at the current exchange rate of 1 US $ = Rs. 75.68.)
Objectives

- To nurture a conducive emerging technologies ecosystem in Telangana.
- To facilitate State government departments adopting emerging technologies.

Key Emerging Technologies

- Identified eight key emerging technologies.
- Brought out concise strategy documents reflecting the Government’s vision to build leading emerging technologies ecosystem.

The focus is on three technologies - Artificial Intelligence, Blockchain and Drones.
- Telangana became the first Indian state to come up with Blockchain Framework and Drone Framework.
Telangana Government has declared 2020 as the Year of Artificial Intelligence (AI). The IT Dept has set in motion a series of initiatives with a view to make the next ten years as Telangana’s decade of AI.

- Towards positioning Hyderabad amongst the top 25 AI innovation hubs in the world, eight AI-specific strategic partnerships were inked with:
  - Centre for Research in Applied AI (CRiAA)
  - Intel, Nvidia, IITH, IIITH, Wadhwani.ai, Adobe
- Identified Healthcare, Agriculture, Mobility, Education and Law Enforcement as focus areas for coming up with innovative AI use cases towards effective governance and efficient citizen-centric service delivery.

Awards & Recognition

- Minister KTR was invited to speak on ‘Empowering AI Leadership’ at the World Economic Forum 2020 in Davos.
- Principal Secretary, Jayesh Ranjan was invited by NITI Aayog to present “Year of AI” initiative to IT departments of other Indian States.
- T-Chits, Telangana’s Blockchain Project for administering Chit Funds in the State, has won National Conference on e-Governance 2020 (NCeG) Gold Award under the ‘Excellence in Adopting Emerging Technologies’ category.
- Global Blockchain Business Council (GBBC) has nominated the Government of Telangana as ambassador to India. ITE&C Dept. Principal Secretary to be the face of the initiative. GBBC’s Annual Report released during World Economic Forum 2020 at Davos featured Blockchain District.
Projects, Activities & Events

Medicine from the Sky
A first-of-a-kind solution in India, the medical-drone delivery project is undertaken in association with the World Economic Forum and Apollo Hospitals to assess the viability of integrating drones with Healthcare supply chain to potentially save lives in remote areas.

Bitfury
A billion-dollar European Blockchain startup, became a member of Blockchain District and established a research and innovation centre in Hyderabad.

T-Block Accelerator
A four-month-long accelerator programme to take blockchain MVP startups to an investible stage in partnership with Tech Mahindra and other partners.

Cyber Security COE
State-funded initiative to build a robust Cybersecurity startup ecosystem. The Centre of Excellence (CoE) was inaugurated by Secretary, MeitY, Government of India.

DJI in Telangana
Signed an MoU with DJI, world’s largest drone manufacturer and the partnership will focus primarily on drone pilot training.

E-Waste COE
An initiative in collaboration with MeitY, GoI to create a vibrant and safe e-waste processing, refurbishing and recycling ecosystem in the State. The Honourable Minister of State, Meity Shri. Sanjay Dhotre discussing on the eWaste program.

COVID 19 App and Dashboard
Developed the mobile app to disseminate authentic information and provide services related to Covid-19. Coordinated the efforts of Covid-19 Data Platform development with a Task Force comprising of industry leaders and supported by NASSCOM. The platform provided decision making tools for the government to assess the containment strategy, lockdown management and sustainable industry recovery planning.
Tech in Governance

An AI-powered tool for frontline newborn healthcare; Medha Chatbot for Stamps and Registrations web portal

AI-based video intelligence solution for tech-enabled crowd management & urban law enforcement

Telangana Mosquito Eradication Drone Solution (T-MEDS)

Events

- Hosted 6th Plenary and Working Group Meetings of ISO/TC 307 themed ‘Blockchain and Distributed Ledger Technologies’
- Participation of over 150 Blockchain experts from 56 countries.
- Workshop to address issues related to third party insurance for drone companies. The event graced by Chairman, Insurance Regulatory and Development Authority of India.
- Blockchain District logo and website launch at ISB.

- Al Calendar: Brought together 12 Al ecosystem enablers to coordinate 74 Al-related events across the year.
- Hague MoU: A delegation led by Deputy Mayor Mrs. Saskia Bruines of Hague, Netherlands visited Hyderabad to discuss new avenues of partnership.
- Workshop for Bangladeshi delegation: NITI Aayog recommended Bangladesh to visit Telangana when it wanted to understand Blockchain and Emerging Technologies innovation happening in India.

Technology Empowering Girls (TEG)

Organised by Library Division of NASSCOM Foundation in three District Central Libraries of Kamareddy, Mahbubnagar and Vikarabad. Young women are trained to acquire or improve digital literacy skills; 560 girls/women for 42 hours over 21 days. Twenty two of the beneficiaries could find gainful employment in private and public sectors.
The states of Telangana and New Jersey have signed a "Sister State Partnership Agreement".

Consul General of France Dr. Marjorie Vanbaelinghem called on IT Minister KTR.

Saudi Arabia Ambassador H.E. Dr. Saud bin Mohammed Al Sati met IT Minister KTR.

Luxembourg Ambassador Meets Minister KTR.

South Africa High Commissioner calls on Minister KTR.

A Japanese delegation led by JETRO India Bengaluru Director General Mr. Takashi Suzuki met IT Minister KTR.

A Korean delegation led by Ambassador Shin Bongkil met IT Minister KTR.
The seeds of innovation should be sown at a young age, Telangana had taken this age-old advice quite literally upon itself when T-Hub was founded in 2015, the very next year of the creation of Telangana. While T-Hub would become probably the most successful model in the country to institutionally build a start-up innovation ecosystem over the next few years, the women entrepreneurs, the grassroot innovators, the research aspect, hardware prototyping, and skilling institutions were missing from the innovation ecosystem of Telangana. Over the next few years, We Hub was created to nurture women entrepreneurs, T-Works to reduce the barrier for hardware prototyping, RICH to facilitate that the research reached the market, TASK to enhance skilling among the youth, and TSIC to simply create more and more innovators and changemakers from all walks of life, age, and sectors.

The creation and the growth of the various organizations have been organic and with very specific objectives. The central theme being the creation of a unique model of innovation for the state. While the organizations worked on the delivery of their specific purpose of creation, they also laid the skeleton of an entire value chain of various innovation ecosystems (Start-up, Grassroot, Social Innovation Ecosystem) through their interconnected model of operations.

The glimpse of this value chain can be gained from the fact that an innovator, even from the remotest part of Telangana can now get recognized for their work before the entire state on few clicks through TSIC, the T-Works will then help them master their hardware prototype, T-Hub and We Hub will incubate them, help them grow, create scale-up opportunities; TASK will skill them so that they become robust entrepreneurs; RICH will bridge any research gap that may exist and take-on some of the most pressing social problems of the state to solve through scientific research and collaboration.

In the next five years, we envision that the innovation ecosystem of Telangana would have created a robust and complete value chain for the Start-up, Grassroot, and Social Innovation. The value-chain would become an example for the country, and the pioneering work in the grassroot and social innovation would become an example for the entire world. In an effort to consolidate the movement of our Innovation Ecosystem, we are also launching Innovation Office, to provide strategic guidance, policy support, and global reach for our work.

Although the direct value of the innovation ecosystem creation in themselves is strong enough, the effective and well-coordinated response that the ecosystem produced to fight the corona pandemic has simply reinforced our belief in the ecosystem. While T-Works partnered with stakeholders across the spectrum to create a low-cost ventilator, T-Hub ensured that the start-up ecosystem was mobilized fast enough to take the challenges head-on through Covid-19 Innovation Challenge and webinar series. TSIC reached out to the grassroot innovators and facilitated hackathons, We Hub facilitated strategies to keep the vulnerable women-led start-ups stay strong during the pandemic. RICH emerged as the backbone of leaps that Telangana made in medical preparedness.
Grooming Innovators and Changemakers

Telangana State Innovation Cell (TSIC), set up in the year 2017 under the State Innovation Policy to foster innovation-driven economy in Telangana, acts as the first response for aspiring innovators.

Highlights

- 20+ Rural Innovators awarded at State & National-level platforms
- 15 Government School Teachers across Telangana recognized as Teacher-Innovators and Innovator Mentors
- 100+ innovators featured across the state & national-level media
- Hyderabad-based startup RHPD Solutions is procured by the State Govt. through Govt. Mentor Program 2018 recognized by UNDP

Accomplishments

- The first of its kind Telangana Innovation Yatra was successfully completed.
  - 120 enthusiastic innovators
  - 4000 km journey across the State
  - 50 innovative ideas were created
- Successfully executed the District Innovator Meetup Series-2019 in 5 districts
- 24 sessions by industry experts
- A district network of the innovators created
- Successfully conducted Intinta Innovator Exhibition in all the districts under the supervision of district collectors
- Created a first response from the 33 district administrations for the Grassroot Innovators
- The Village Innovation Challenge witnessed active involvement of 28 Gram Panchayats, 400+ participants.
- Helped unemployed youth in villages to identify and solve problems of their villages
- Innovator Mupparapu Raju’s solution—Automatic switch off/on of street lights, has been procured by Warangal Urban Collector and has been set up in different parts of the town.
- 35 ATL schools with total 3150 students have been equipped with innovative-thinking abilities.
Major TSIC Initiatives: 2019-2020

Intinta Innovator Exhibition
On Independence Day 2019, TSIC conducted an event titled ‘Intinta Innovator’ in 33 districts of Telangana.

Telangana Innovation Yatra-2020
A 4-day journey introducing the grassroots innovation ecosystemof Telangana to 120 innovation enthusiasts.

Village Innovation Challenge
Introducing a culture of Innovation to unemployed rural youth conducted in Wanaparthy district, a 24 Hour-Hackathon.

Lokal App X TSIC
Lokal App joined hands with TSIC and produced / featured stories of innovators from various districts.

The Good Talk Factory (TGTF) X TSIC
‘Intinta Innovator’ speaker series aims at creating a platform for Innovators to share their journey.

T-Innovation Utsavam
As part of Telangana Formation Day celebrations, TSIC along with innovation partners, hosted a spectacular event.
Mission & Vision

WE Hub’s mission is to ensure that all women entrepreneurs in the country have access to technical, financial, governmental and policy support required to start-up, scale up, sustain, and accelerate with global market access.

Promoting Women Entrepreneurship

WE Hub is a first of its kind State led platform - with the primary goal to promote and foster women entrepreneurship by way of incubation, access to government and building a collaborative ecosystem.
Scope of work

Key Programs

Incubation

Cohort 1
Start-ups have gone through rigorous customized training with a goal-based program structure - 24 of these start-ups have moved at least three stages with an overall drop-out rate at 20%.

Cohort 2
Adjusting to the current situation, operations were moved to a virtual platform with 24 startups selected.

Reach

COHORT 1
1 Startup
23 Startups
2 Startups

COHORT 2
1 Startup
1 Startup
16 Startups
3 Startups
1 Startup
Outreach Statistics

Bootsamp Participants: 3500

Total | Incubation | Acceleration
---|---|---
1230 | 662 | 568

Applications Received

113 | 75 | 38

Called for Pitching

30 | 19 | 11

Inducted into Project HER&NOW

Outcomes

70% of our enterprises have increased the stage of enterprise

85% of our enterprises have formally registered their organizations by procuring an Udyog Aadhar Certification.

40% of our enterprises have recorded an increase in their employee numbers.

45% of our enterprises have been able to receive access to finances through credit linkages to the extent of Rs.1.22 crores

Social Enterprise Accelerator:

In collaboration with the Australian Consulate, WE Hub runs Social Enterprise Accelerator program completely funded by the Australian Consulate through the Direct Aid Program.
Ecosystem Building:

**WING**
WE Hub, in collaboration with DPIIT through Startup India, Let’s Venture and KSUM has launched WING - A flagship capacity development program for aspiring and established women entrepreneurs under center’s Startup India in Telangana on 20th December 2019

**Credit Facilitation & Linkages**
WE Hub was awarded loan sanction letters for 16 Women entrepreneurs for amounts ranging from Rs. 3 lakhs to Rs. 1.3 crores. For the credit facilitation, WE Hub worked with MSME-DI and SBI SME for operationalizing funds under the MUDRA, Stand up India & CGTMSE Schemes

**WE Hub - Hyderabad City Police, Hackathon**
A 36-hour Hackathon on 18th and 19th January 2020 to identify disruptive solutions in four domains. The four finalists along with the top 26 teams were further identified and mentored by WE hub for a duration of 6 months with the objective of developing their prototypes into a deployable product.

**Women Returning to Workforce:**
WE Hub has partnered with VMware to upskill 15,000 women across Telangana for growth and impact, by providing free technical education and certification courses on digital business transformation technology.

**MOU’s & Partnerships:**

WE Hub partners with Microsoft Garage

Femtrepreneurs, a programme launched in collaboration between WE Hub and the University of Basel

WE Hub partnered with SWISSNEX to promote entrepreneurship and innovation between Telangana & Switzerland

WE Hub collaborated with INTEL India to accelerate women entrepreneurship through technology

WE Hub partnered with Cambridge JBS for social internship programme for students
Pioneering Innovation Ecosystem

Hyderabad, the capital of Telangana, has established itself as a thought leader by building a pioneering innovation ecosystem for India and is maturing in the right direction. T-Hub, with its programs and initiatives has immensely contributed in building this reputation.

Programs

Startup Innovation

Lab32
Second batch of Lab32, the flagship incubation program of T-Hub, was successfully completed and the third batch commenced with 45 startups from different domains. On the occasion of completion of the second batch, The TakeOff, a demo day for Lab32 startups was conducted, which garnered 30+ corporate and 70+ investor connections for the startups.

T-Angel
Joint initiative with the Government of Telangana to enable early-stage startup investments in the state, was launched in partnership with LetsVenture. The program spanned over 3 months and 30 startups were selected for it.
Corporate Innovation

Q-City COVID-19 Innovation Challenge

Fully virtual innovation program designed to empower student entrepreneurs to develop potential solutions to combat the COVID-19 virus. Two winning teams were selected from 300 entries; they will receive direct mentoring and support to transform their ideas into viable business propositions.

UTC Innovation Challenge

United Technologies (now Raytheon Technologies) and T-Hub created this program for computer vision and predictive analytics startups, for the aerospace industry. 62 startups from 14 countries applied, and 20 startups presented their solutions on pitch day in New York and Hyderabad. Top 5 startups have been selected for the cohort.

Facebook India Innovation Accelerator

Second edition of the Facebook and T-Hub India Innovation Accelerator Program was focused on AI social impact startups. After four months of mentoring by T-Hub and Facebook, three startups were selected from over 140 applications for GTM support.

Boeing Build

Launched with Boeing to invite students and early stage startups to commercialize their innovative ideas. Selected students went through a two-month program, which included interventions and bootcamp. Three teams presented at the national competition.
Arcade Series

Market access programs for smart cities, HealthTech, MedTech, and DeepTech were held under the Arcade Series. The smart cities program was organized in partnership with Smart Cities Mission and Atal Innovation Mission, NITI Aayog, MedTech with Jubilant, HealthTech with Optum, and DeepTech with Ambuja Neotia. Multiple startups pitched to participating corporates, investors, and government stakeholders, and explored opportunities to work together.

HDFC CSR Grant

As part of the second HDFC CSR Grant program, T-Hub helped HDFC identify three startups working in the areas of EdTech and regeneration of lakes to receive grants.

Ecosystem Innovation

Trestle

It is a structured effort by T-Hub to expand and strengthen its ecosystem in different countries by providing international market access for Indian startups through collaboration with international accelerators or entities. For the first edition T-Hub has partnered with FalconX, to enable startups that are looking to explore the US market.

GRAFT

AgTech challenge that aimed to accelerate the adoption of agricultural technologies across India and Australia through tailored market entry programs. It impacted 12 start-ups, 6 from India and 6 from Australia.

Social Impact Ecosystem

T-Hub, IIITH, IITH, and AFI signed a MOU to build a social impact ecosystem in Hyderabad with an aim of solving the business and growth challenges faced by India’s tech-enabled social impact startups. At least 5000 startups are expected to be positively enabled by this partnership in 5 years.

Webinar Series

With an aim to provide guidance and support to startups on how to manoeuvre the Coronavirus situation, T-Hub launched a series of focused webinars, divided into different categories, Handling a Hard Time, Business Unusual, Plan-B, AskMeAnything (AMA).

Israel & Australia Visit

Ravi Narayan, CEO, T-Hub led a delegation of startups to DLD Tel Aviv Innovation Festival 2019, and established connects with Israel Innovation Bridge and the local innovation ecosystem. Ravi also visited Australia to explore the local innovation ecosystem, signed an MoU with InQ Innovation, and spoke at Pause Fest.
Events & Visits

T-Hub celebrates its fourth anniversary

T-Hub signed a tripartite MoU with Choose New Jersey and VentureLink to encourage joint research and development between Telangana & New Jersey.

T-Hub signed MoU with Flanders Investment and Trade to facilitate market access for startups.

Other key industry leaders who visited T-Hub included

T-Hub hosted GeM Samvaad: GeM CEO Mr. Taleen Kumar and Dr. Anup Wadhawan, Commerce Secretary, GoI, interacted with 65 startups.

T-Hub hosted NITI Aayog’s Incubator Training Program for two days. Mr. Amitabh Kant, CEO, NITI Aayog inaugurated the program.

T- Hub hosted Mr Kanwal Rekhi, MD, Inventus Capital Partners and Co-founder - TiE.

Mr. Tasleem Arif - Vice President, India R&D Head, OPPO

Mr. K. Ananth Krishnan, EVP and CTO, Tata Consultancy Services

Mr. Vineet Nayar, Former CEO, HCL Technologies & Founder, Sampark Foundation

Mr Jean Claude Kugener - Ambassador of Luxembourg to India

Visit - Joel Reifman, U.S. Consul General in Hyderabad and Delegation from US Treasury Department

Mr. Tusharkanti Behera, Minister of Electronics and Information Technology, Government of Odisha
Empowering Startups in Hardware Prototyping

T-Works, the maker space envisaged by the government of Telangana, is India’s largest prototyping center for electronics, electromechanical and mechanical start-ups.

Accomplishments and Initiatives

Product Design and Fabrication

• Supports makers for rapid prototyping of their innovative products
• Contributes to building the local vendor and supply chain ecosystem
• Provided design and prototyping services to 11 startups

Marut Drones Project: Jungle Maker - Seed Ball Dropping Drone

• Designed and developed seed ball launching payload for a Hyderabad based Dronetech Startup,
• Under the Harithaharam project, code-named Jungle Maker,
  • dropped 15000 seed balls in 3 hours
  • to afforest 323 hectares at Veeranapalli forest in Sircilla district

Flat Pack Cradle

• Designed in-house and CNC routed using HDF wood
• Planning to supply to government hospital pediatric department at Siricilla, Telangana
Research and Development

Unmanned Aerial Vehicle (UAV) Development

- Designed and built 5 UAVs, Airframes using FDM 3D Printing rapid prototyping technology.
- Tested and showcased at the Hyderabad airshow (Wings India 2020).
- These will find applications in drone medical delivery to surveying.

Covid-19 Initiatives

Mechanical Ventilator & Aerosol Box

- T-Works Developed an affordable mechanical ventilator
  - Handy in times of emergency during COVID-19 times
  - Incorporated advance features needed for medical professionals
  - Designed the Aerosol box to protect frontline medical professionals; Manufactured and delivered Aerosol boxes to various hospitals

Maker Faire Hyderabad (MFH) - 2019

- The first of its kind initiative in India, held its second edition on 11th Nov 2019
- The event attracted 10,000+ attendees from all over India, over 100 exhibits, 40 workshops, 10 art installations, and 50+ Partners and sponsors

MoU’s and Partnerships

Huawei
- for CSR funding for the procurement of material for mechanical ventilator device

Bhagwati Products Ltd. (Micromax)
- for large volume manufacturing of the mechanical ventilator for the Covid-19 pandemic

Major Announcements

Launch of IP Facilitation Cell by T-Works
- To aid startups, SMEs, entrepreneurs, rural innovators by providing easy access to IPR services at a subsidized fee
- Launched as a pilot project in Dec. 2019
- Successfully completed 11 applications and 34 are under process
IT Minister KTR led Telangana delegation to WEF-2020. Apart from participating in various panel discussions, KTR met with several leaders from across the globe, including central ministers from various countries and top executives of global corporations. KTR invited them to explore investment opportunities in Telangana.

With YouTube CEO Susan Wojcicki
With KPMG Global Chairman & CEO Bill Thomas
With BAE Systems Chairman Sir Roger Carr
With Boston Consulting Group Chairman (APAC) Neeraj Agarwal
With HP Enterprise COO Vishal Lall

With IDEO CEO Sandy Speicher

With Alphabet Inc. and Google CEO Sundar Pichai

With Deep Nishar, Senior Managing Partner, SoftBank Investment Advisers

With HCL Technologies CTO Kalyan Kumar

With Amazon Web Services VP, Global Public Policy Michael Punke
Education, Employability, Entrepreneurship

Telangana Academy for Skill and Knowledge (TASK), a not-for-profit organization, aims at bringing a synergy between the government, the academia and the industry with an objective to enhance employability quotient of youth in the state.

TASK caters to students from diverse academic courses and socio-cultural backgrounds, works towards achieving its objective through a three-pronged approach

- Skilling the youth in technologies that are sought after by the industry
- Building essential 21st century workplace skills/ transferable skills to make youth more adaptable and employable
- Fostering entrepreneurial mindset in youth to groom them into employment providers

Widening the Spectrum of Skills and Skilling

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<td>Total Students Skilled by Faculty Trained by TASK</td>
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Over 3.5 lakh youth skilled across Telangana since the inception of TASK

Outcomes and Achievements

- TASK’s rural outreach improved as 64.7% of registered students belonging to underserved communities
- All Govt. Degree colleges and Polytechnics are now registered with TASK
- Provided colleges with affiliation certificates thus helping them in the process of obtaining NAAC and other accreditations
- All the colleges were provided with at least one service offering and 364 colleges (~54%) received multiple service offerings
- Started quarterly newsletter - ‘TASKonnect’
Activities and Initiatives

- New partnerships formed and partnerships renewed with 40 corporations to impart industry relevant skilling for students
- About 1400 batches / sessions conducted impacting more than 1 lakh youth in technical and non-technical subjects
- New courses initiated on latest web technologies, emerging technologies including Artificial Intelligence, Blockchain and IoT
- Instructor led sessions initiated on 21st century transferrable skills for students
- Real-time internships provided for 264 civil engineering students on government road works projects
- Trained over 4300 students across Telangana under Cyber Rakshak program in conjunction with SHE Teams and End Now Foundation
- Trained over 22,000 students simultaneously collaborating with STL Academy and T-Fiber securing place in Asia Book of Records

Placements

- 4,488 students placed through direct placement drives
- Trained graduates placed in diverse industries including IT, ITeS, Pharmaceutical, Aerospace, Sales and Marketing, e-Commerce, Digital Marketing, Banking and Insurance, Defence Forces etc
- Job Fair organized in Karimnagar. Over 200 candidates, including 97 girls, received offer letters.
- Cisco offered internship and placement offers to 39 students with an annual package of ₹14 lakh.
- 300 unemployed youth placed through Finishing School programs

Events

- Annual Meet of the Principals of all registered technical colleges (engineering and polytechnic)
- Twenty new partnerships signed including with AI First, Edureka, Mentor Together, UiPath, TSAT, Vodafone, Manipal Global Education Services
- A Round Table interaction with the Industry to understand future trends and hiring prospects
Hyderabad is fast emerging as an Electronics hub in the Country currently accounts for 6% of electronics goods production nationally.

houses over 250 Electronics Companies employs over 1,15,000 people.

Telangana State Electronics Policy came into force in 2016 to evangelise the Electronic System Design Manufacturing (ESDM) ecosystem in the state and country.

Salient Features of Electronics Policy

- **Tailor-made Incentives** for Mega Project (Investment above USD 30 Million or creating over 1000 Jobs) or for a project of strategic importance.
- **Transport Subsidy**: Telangana was the first state to introduce Transport Subsidy, at 60%; 5 years; gradually reduced by 10% YoY
- **Recognizes the need for an in-situ workforce** and has allowed for 20% of the allocated Industrial land to be reserved for residences
- **Skill Development Assistance** - Special assistance is available from TASK (Telangana Academy of Skill and Knowledge) to develop training modules at subsidized costs.
- **Ancillary industries encouraged** to promote end-to-end manufacturing of electronics products.

Telangana is now looking at creating over 3,00,000 jobs in the electronics manufacturing sector bringing in 10 Bn USD of investment into the State in the next 4 years.
Performance Report
June 2019 – May 2020

• In 2019 alone, Telangana’s Electronics sector received investment proposals totaling INR 7,371.84 crores, an 84% increase from the cumulative investment proposals of the previous three years which amount to INR 8,694 crores.

Investment in 2019-20

• Investment Proposed - INR 21,536.84 crores
• Employment Proposed - 85,387

Electronics Manufacturing Clusters

• Telangana is a critical player in electronics manufacturing with over 30% of the Country’s EMC land located in Hyderabad across two EMCs covering a total of 912 acres.
• These are E-City at Raviryal and Maheshwaram EMC both being within 10 km from Rajiv Gandhi International Airport.
• The Government of Telangana has also requested the Central Government for a third EMC to be notified under the new EMC 2.0 Scheme and has partnered with an Anchor unit for the same.
• Plug-and-Play facility: The EMC at E-City is equipped with 2,00,000 sqft BUA of ready to move-in plug-and-play factory space for electronics manufacturing, that would be ready to be leased by Electronics Manufacturing Units by the next quarter.

Mega Investments in Telangana’s Electronics Manufacturing Ecosystem

• Skyworth Group: To invest INR 700 crore in an electronics manufacturing unit to be set up in Hyderabad, will provide direct and indirect employment to 5000 people.
• Himachal Futuristic Communications Limited (HFCL): An optical fiber manufacturing plant with an estimated investment of INR 250 crores, employment to 1,500 people.
• ChargeXO Lithium Cell & Energy Park Facility: to set up a lithium-ion cell manufacturing facility, investment of INR 15,000 Crore. 7,500 direct employment and 50,000 indirect employment.
• Exicom Group: A Greenfield Li-ion battery pack manufacturing plant with the capacity to scale up to 2 Gwh and an investment of around INR 173 crores.
• Innolia Energy: An investment of INR 150 Crores in lithium ion battery assembly employment for 300.

R&D Units Set up by Electronics Companies

• Micron: Initial capacity of 700 employees; to expand to a capacity of 2000 over the next 2-3 years; 3,50,000 sqft state-of-the-art center; equipped with six purpose-built design and verification labs.
• Intel: Initial capacity of 400 employees; to expand to a capacity of 1500; 3,00,000 sqft center includes 40,000 square feet of Labs space.
• OnePlus: Proposed Investment of INR 1000 Crores; employment to 200 people; scaled up to 1500 over the next three years; making this facility the largest R&D center of OnePlus in the world outside China.
Electronic Service Delivery (ESD) is the single point agency that leverages technology to deliver government services to citizens and businesses with a key focus on improving efficiency, transparency and accountability.

Profile

- Offers 600+ G2C, B2C services of 100+ participating agencies
- 4500+ MeeSeva Centers, Meeseva Portal and the Mobile App
- Handles about Rs 4,500 Cr per annum
- Serves about 1 to 1.5 lakh citizens every day

Citizen Service Delivery Platforms

MeeSeva 2.0

- The quality of service delivery is further improved with the launch of MeeSeva’s new avatar in the year 2019.

T App Folio

- ESD has implemented one of its kind m-Governance initiatives, T App Folio, which enables delivery of G2C, B2C, VAS and informational services.
- Over 7 Lakh downloads; about 10,000 transactions a day.
- Hosts over 225+ services from 32 participating departments.

T Wallet

- Official digital wallet of the State launched on 1st June 2017.
- Over 11.1 lakh registrations
- 1.54 crore transactions worth Rs 6,796 Cr facilitated.
- About 42,000 transactions a day
Key Performance Indicators for the Year (2019-20)

(e-Transactions per thousand population during June, 2014 to May, 2020 as per eTaal website of Govt. of India (Excluding Uts))
Highest number of e-transactions for a State per 1000 population.

MeeSeva Statistics

Citizens served by MeeSeva (in Cr)

<table>
<thead>
<tr>
<th>Year</th>
<th>Citizens served (Cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>1.47</td>
</tr>
<tr>
<td>2015</td>
<td>3.11</td>
</tr>
<tr>
<td>2016</td>
<td>3.46</td>
</tr>
<tr>
<td>2017</td>
<td>3.92</td>
</tr>
<tr>
<td>2018</td>
<td>3.6</td>
</tr>
<tr>
<td>2019</td>
<td>3.52</td>
</tr>
<tr>
<td>2020</td>
<td>3.2</td>
</tr>
</tbody>
</table>

Amount transacted on MeeSeva (in Rs Cr)

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount transacted (Rs Cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>1,210</td>
</tr>
<tr>
<td>2015</td>
<td>2,675</td>
</tr>
<tr>
<td>2016</td>
<td>3,931</td>
</tr>
<tr>
<td>2017</td>
<td>4,814</td>
</tr>
<tr>
<td>2018</td>
<td>4,487</td>
</tr>
<tr>
<td>2019</td>
<td>4,583</td>
</tr>
<tr>
<td>2020</td>
<td>4,365</td>
</tr>
</tbody>
</table>

ANNUAL REPORT 2019-2020
ESD has adopted emerging technologies like Big Data, AI, ML, etc. for re-engineering processes involved in the delivery of all government services.

**Voter Verification through Facial Recognition**

Telangana State Election Commission used Meeseva’s facial recognition application for real-time digital verification of about 7,000 voters in 10 polling booths in urban local body elections held in January, 2020. A first for elections in India.

**Samagra Vedika**

Developed a smart Governance solution, **Samagra Vedika** - to integrate Govt. databases for informed decision making by officials, for proper targeting of beneficiaries and for increasing revenue using Big Data and Machine Learning. Owing to its utility and potential, Samagra Vedika was mentioned in the Economic Survey of India 2019 presented by the Hon’ble Union Finance Minister in the Parliament on 4th July, 2019.

By leveraging Samagra Vedika application, genuine white ration card-holders were identified for the Rs. 1,500 cash transfer announced by the State Govt for alleviating distress caused due to Covid-19 pandemic. This saved about Rs. 50 Cr for the Govt.
Solutions Developed to Fight Covid-19

- **On-Road Citizen Tracking App:** Used to monitor the citizens for violation of lockdown by recording their geo-coordinates. Helped police officials objectively tackle repeat offenders coming out of their homes without a valid reason. About 10,000 citizens were checked per day.

- **Covid Volunteering Apps:** Developed Cheyutha Helpline for GHMC where citizens can request for assistance to find Food, make donation in kind, volunteer for service, locate Annapurna centre and seek rations.

- **Developed a simple and secure application form and payment gateways for receiving contributions to the Chief Minister’s Relief Fund.

- **Home Quarantine Tracking App:** Developed for Health Department to monitor citizens who are under a 14-day home quarantine. The application is developed using AI, ML and Deep Learning.

**Awards**

- CSI SIG e-Governance Award-2019 for PLCS implementation
- Express IT Award for T App under Best Mobile App for Citizen Service Delivery category
- Digital Transformation Award-2019 by Governance Now in the Mobile App category

**Delegate Visits**

Several delegations from India and abroad visited ESD office and units to understand the operations and implementation process of the citizen services delivery platform.
Promoting e-Governance in a Holistic Manner

Telangana holds 3rd position with 23,30,10,787 crore transactions executed from 1st January, 2020 under various e-Governance projects including Mission Mode Projects (MMPs) as per Electronic Transaction Aggregation & Analysis Layer (eTaal), MeitY, GoI.

Government E-Marketplace (GEM)

- Held “GeM Samvaad” with 170 buyers and 150 sellers of GeM in Hyderabad. Top performing Govt. Depts/entities were felicitated at the event. Police Dept., Woman & Child Welfare Dept., and Education Dept., stood first, second and third respectively in the list of top procuring entities through the platform.

- Successfully implemented in all HODs and district offices. Procurement volume stands at Rs. 511 Cr. During Covid19 lockdown, Rs. 60 Cr worth procurement done.

e-Office

- e-Office is being implemented in 79 Departments (4 Secretariat and 75 HODs) and 70+ Municipalities, 58 Polytechnic Colleges, 120+ Government Degree Colleges, 16 TSSP Battalions and 19 District Offices.

Statistics

- Total No. of Users: 11,200
- Total Receipts created: 10,38,786
- Total Receipts Moved: 23,01,758
- Total Files Created: 3,15,490
- Total Files Moved: 18,64,208
eProcurement Portal

- The new version of eProcurement and eAuction system was launched on 03.10.2017.
- The platform (Website: http://eprocurement.telangana.gov.in) is being utilized by all Government Departments including Local Bodies, Municipal Corporations, Cooperative Societies, Public Sector Undertakings and other State Government entities.
- A total of 1,55,187 tenders worth an amount of Rs. 1,20,435 crores were floated of which 63,776 tenders worth Rs. 24,688 crores were finalized.
- During the COVID-19 lockdown, a total of 2,997 tender bids submitted, 2,564 tenders published and 2,155 tenders awarded and 122 new bidders registered.

Go Issue Register (GOIR)

- GOs issued by the Secretariat Departments - 1,28,096
- GOs issued by the Commercial Taxes Dept. - 3,12,871
- GOs issued by Telangana Transco - 25,276

Knowledge Management Automation (KM-ATOM) - 5,81,893 correspondence currents generated through this file management system by all the Depts of Secretariat.

Digital Locker

MeeSeva and Dr. BR Ambedkar Open University are registered as Issuers of DigiLocker system.

MeeSeva issued 92,77,694 certificates to the citizen Digi Locker accounts through 25 services.
Dr. B.R. Ambedkar Open University issued 758 Certificates to the students thorough 3 services.

Common Services Centres (CSC)

Digital Literacy - Telangana

Government of Telangana, ITE&C Department took up a very ambitious Digital Telangana program. Digital Telangana stands on two pivots; each of them representing the supply and the demand side. On the supply side, the main aim is to ensure that digital facilities become available to each and every person in the state.

On the demand side, the intention is to make each and every person digitally empowered so that he/she can make best use of the digital facilities that are being made available right at his/her doorstep.

The strategies for this include: Digital literacy program, under which one member of each household will be taught to become digitally literate.

PMGDISHA- Status of Telangana

<table>
<thead>
<tr>
<th>Candidates Registered</th>
<th>Training Centres Set up</th>
<th>CSC Academy Centres Set up</th>
<th>Candidates Trained</th>
<th>Candidates Certified under the Scheme</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,06,848</td>
<td>3988</td>
<td>53</td>
<td>4,05,096</td>
<td>2,85,749</td>
</tr>
</tbody>
</table>
Key Initiatives and Outcomes

- Telecast 4 hrs of online classes for classes VI to X daily from 24th April to 30th May in collaboration with Telangana Social and Tribal Welfare Residential Educational Institutions Societies in view of the Lockdown precipitated by the Covid-19 pandemic.
- Telecast digital lessons of State Institute of Educational Technology (SIET) 2.5 hours daily for the benefit of Govt school students of classes VI to X. Uploaded 535 digital lessons of classes VI to X in T-SAT mobile application.
- Telecast 1 hr daily live sessions each for Intermediate and Degree students in collaboration with Social Welfare and Tribal Welfare Residential Education Institution Societies.
- Telecast Speed Maths content and uploaded the same on tsat.tv and mobile app
- Telecast IIT, NEET and EAMCET coaching classes for the 4th consecutive year.
- SoFTNET and TASK entered into an MoU to ‘Identify and Collaborate for Enhancing the Employability of the Youth using Satellite and New Media’.
- Publish T-SAT Times, an e-magazine with clickable links to the telecast programmes
- The faculty of the Govt. teaching hospitals have been roped in to create awareness among the rural population about the possible health issues and available treatments at Govt. hospitals.
- Special Coverage on “Women of India Organic Festival 2019”, “Key Makers Youth Summit 2019”
YouTube Channel Statistics

Phenomenal Growth

<table>
<thead>
<tr>
<th>September 2016</th>
<th>May 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subscribers</td>
<td>Views</td>
</tr>
<tr>
<td>430</td>
<td>38,740</td>
</tr>
<tr>
<td>3.86 Lakh</td>
<td>53 Million</td>
</tr>
</tbody>
</table>

T-SAT Mobile App Statistics

Download the T-SAT App for Free

New registered users: 1,08,888
Total Android Downloads: 3,50,450
Total iOS Downloads: 5,380
Total active users: 6,19,397
Total number of videos uploaded: 4,886
Total duration of the videos in hours: 3,573
Total number of views: 53,83,693
Total viewed minutes: 1,31,95,481

Comparison of T-SAT YouTube Channel Statistics with the Statistics of Similar Channels of Other States

- T-SAT, Telangana: Views (in lakhs) 504.5, Subscriptions (in thousands) 389
- Mana TV, Andhra Pradesh: Views (in lakhs) 66.2, Subscriptions (in thousands) 106
- Victers, Kerala: Views (in lakhs) 83.7, Subscriptions (in thousands) 78.3
- Vande Gujarat: Views (in lakhs) 1.2, Subscriptions (in thousands) 14
- Edusat, Punjab: Views (in lakhs) 11.9, Subscriptions (in thousands) 26.8
- Edusat, Haryana: Views (in lakhs) 44.4, Subscriptions (in thousands) 27.9
- Makkala Vani Karnataka: Views (in lakhs) 8.5, Subscriptions (in thousands) 65.1
- Kalvi Tholaikatchi TV, Tamilnadu: Views (in lakhs) 2.4, Subscriptions (in thousands) 7.17
T-SAT network channels Vidya and Nipuna are the best learning resources for students particularly the students of Govt run schools in Telangana. It provides the students with multiple teaching resources, helps teachers upgrade skills. The best platform to draw students towards extra-curricular and co-curricular activities. T-SAT has been a highly dependable resource during Covid-19 Lockdown. It helped us reach our students through T-SAT app with special classes. The Education Dept has been able to achieve a quantum leap into higher echelons of governance and digital teaching with T-SAT. We wish you all the best.

- Smt. Chitra Ramachandran, Spl. Chief Secretary, Dept. of Education

“...It is highly commendable that T-SAT set the ball rolling following the outbreak of Covid-19 by telecasting online classes with the help of expert teachers, with minimum disruption to the academic schedule. The T-SAT programs should be replicated across India for changing the way in which education can be delivered in future. Credit goes to the Government of Telangana for its vision of applying digital technology to promote quality education...”

- Sri R.S. Praveen Kumar, Secretary, TSWREIS, TTWREIS

Testimonials


T-SAT CEO Sri R. Shailesh Reddy, Receiving Digital Transformation in Education Award by Governance Now
A Trusted Partner in Digital Transformation

Telangana State Technology Services (TSTS) is the Nodal Agency for consultancy and hardware & software procurement services for all government departments in the State.

Vision

Position itself as a technologically advanced and customer-centric one-stop-solution provider with:

- Reforms and standardization in the procurement process
- Capacity building by way of strengthening the Technical Manpower
- Government funding for IT initiatives.
- Technology transfer and commercialization
- e-Governance initiatives using AI, Big Data, Mobile Technology and Block Chain

Activities and Projects

- **AUA-ASA Project:** TSTS provides Authentication User Agency (AUA) services to all the Govt. departments based on Aadhaar
- Maintenance of 110 Government owned Meeseva centres in urban areas.
- Pension Life Certificate through Selfie (PLCS)
- Facial Recognition Solution for State Election Commission
- Handlooms & Textiles Dept: Online Application for Incentives Scheme under T-TAP 2017-22
- Mobile App for ‘Palle Pragathi’ Program
- Supply of Portable Public Address System (1000 Nos.) to Health Department for creating awareness on COVID-19.
- Scanning and Digitization of old records for IGRS Department.
- PR&RD Dept: O&M of MGNREGS Application; Setup, O&M of Call Centre.
- Nehru Zoological Park - Bid evaluation of the CCTV Surveillance System
- Hardware and Office Automation Projects (HWP & OAP) for High Court & other depts.
- Infrastructure & Networking Projects (IIP)
ITE&C Dept. is collaborating with IIIT, Hyderabad to bring awareness on Telugu Wikipedia and to increase the number of articles to 30 lakh from under 1 lakh as on date. Information related to Telangana’s history, culture, art, architecture, economy, polity, prominent personalities and other topics would be made available for easy and free access. Efforts are on to bring all the offline content on to the digital media platforms. A dedicated Project Telugu Wiki team is set up.

Digital Media for Effective Citizen Engagement

Digital Media Wing is responsible for disseminating information on the digital media platforms by connecting and engaging with citizens.

Developing Citizen Centric Portals

Covid-19 Efforts

- Factcheck Portal - https://factcheck.telangana.gov.in/ - India’s first governmental effort to check the spread of fake news, misinformation and rumours. Several other Indian States replicated the model. The portal is accessed by about 3 lakh users.
- Revamped Telangana CM website - https://cm.telangana.gov.in/
- Twenty-three district websites have been moved to NIC’s S3WaaS platform
- Media Accreditation Module for I&PR Dept.

 ITE&C Dept. is collaborating with IIIT, Hyderabad to bring awareness on Telugu Wikipedia and to increase the number of articles to 30 lakh from under 1 lakh as on date. Information related to Telangana’s history, culture, art, architecture, economy, polity, prominent personalities and other topics would be made available for easy and free access. Efforts are on to bring all the offline content on to the digital media platforms. A dedicated Project Telugu Wiki team is set up.
Numbers Speak

Social Media Statistics (1st April, 2019 to 31st March, 2020)

<table>
<thead>
<tr>
<th></th>
<th>Telangana CMO</th>
<th></th>
<th>Minister KTR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Followers</td>
<td>Reach</td>
<td>Followers</td>
</tr>
<tr>
<td>Telangana CMO</td>
<td>8,08,270</td>
<td>3,30,18,123</td>
<td>5,00,094</td>
</tr>
<tr>
<td>Minister KTR</td>
<td>8,90,677</td>
<td>3,63,28,148</td>
<td>6,27,530</td>
</tr>
</tbody>
</table>

Telangana CMO Twitter handle stands at 1st position vis-a-vis other states of India in terms of ‘Followers per Thousand Population’ whereas Telangana CMO Facebook page is at 2nd position in terms of ‘Likes per Thousand Population’.

### Workshops / Trainings

- Orientation Programme on Social Media for IFS Officers at MCRHRD Institute on the topic "Future of Social Media" as part of Foundation Course for All India Services and Central Civil Service Officers
- Social Media Orientation for a batch of Sr. Police officials from various States at RBVRR Telangana Police Academy
- Orientation Session on TikTok
- Orientation Session on ShareChat
- First Capacity Building Session on Project Telugu Wiki at IIIT, Hyderabad
- Telugu Wikipedia stall set up at the 33rd Hyderabad National Book Fair
- Regular workshops to Wikipedia enthusiasts

### Social Media Statistics

<table>
<thead>
<tr>
<th>State</th>
<th>Followers</th>
<th>Population (2011 Census of India)</th>
<th>Followers per 1000 population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rajasthan</td>
<td>18,23,891</td>
<td>6,85,48,437</td>
<td>26.61</td>
</tr>
<tr>
<td>Telangana</td>
<td>8,08,270</td>
<td>3,50,03,674</td>
<td>23.09</td>
</tr>
<tr>
<td>Kerala</td>
<td>7,60,552</td>
<td>3,33,87,677</td>
<td>22.78</td>
</tr>
<tr>
<td>Punjab</td>
<td>4,81,339</td>
<td>2,77,04,236</td>
<td>17.37</td>
</tr>
<tr>
<td>Haryana</td>
<td>5,29,420</td>
<td>2,53,53,081</td>
<td>20.88</td>
</tr>
<tr>
<td>Madhya Pradesh</td>
<td>13,63,646</td>
<td>7,26,26,809</td>
<td>18.78</td>
</tr>
<tr>
<td>Uttar Pradesh</td>
<td>30,43,895</td>
<td>19,98,12,341</td>
<td>15.23</td>
</tr>
<tr>
<td>Telangana</td>
<td>8,59,442</td>
<td>3,50,03,674</td>
<td>24.55</td>
</tr>
</tbody>
</table>
Opening Data Initiative

Opening up Govt data for citizen consumption
• Open Data Unit strives to put government data in open and machine-readable format for the general public use. The Open Data Portal - www.data.telangana.gov.in - currently hosts 188 datasets and 472 resources.

Focus: Public Transit datasets in GTFS standard
• Global Transit Feed Specification (GTFS) standard datasets from the Hyderabad Metro Rail Limited (HMRL) and Multi Modal Transit System (MMTS) are made available on the portal.

• Telangana State Road Transport Corporation’s (TSRTC’s) Hyderabad city route maps and bus network have been digitised.

Collaborations for Problem Solving
• Collaborated with Ola Mobility Institute to come up with a custom-made Road Quality Monitoring tool for Greater Hyderabad Municipal Corporation (GHMC). This tool enables engineers to find out bad patches of roads and fix them. The solution has been scaled up to include entire city of Hyderabad.

Community Engagement
• Offered internships to Engineering students, conducted workshops at JNTU Hyderabad.

Open Data portal has more than 2 lakh views.

T-Social Impact Group (T-SIG)

Ensuring Efficient CSR Implementation in the State:
• T-Social Impact Group (T-SIG) is an initiative by the Department of Information Technology, Electronics and Communications of the Government of Telangana State to attract, mobilize and incentivize financial investments into inclusive and sustainable development projects from local, national and international organizations.

Highlights of CSR Collaborations through T-SIG for Telangana:
• With T-SIG’s support, Huawei has worked upon the developmental needs of 18 schools in Rajanna-Sircilla district of Telangana.

• HSBC with collaborative help of T-SIG, started a project with Nirmaan organization on a women’s skilling center in Hyderabad with a budget of INR 50 Lacs.

• T-SIG team coordinated relief efforts in the state during the distressing times of COVID-19.

• As a result of 13 Round Table Meetings organized by T-SIG, many fruitful collaborations happened among various organizations resulting in many CSR projects.

Face shields to TSRTC Department
Facilitating the Realization of ‘Digital Telangana’

To build and leverage the broadband infrastructure, Government of Telangana initiated T-Fiber Grid Project to provide broadband connectivity up to the household level.

Vision of T-FIBER

- Establish a state-of-the-art digital network infrastructure that is long-lasting, resilient, secure, scalable, and carrier-grade to provide affordable high-speed broadband connectivity from State Headquarters to all homes and enterprises in the State of Telangana.

BHARATNET Phase II

- With a mandate from USOF/DoT, Government of India as part of BHARATNET Phase II to connect Mandal to Gram Panchayats, T-Fiber has signed an MoU to establish the network.
- Secured USOF/BBNL grant of INR 2065 Cr
- Finalized active and passive Infrastructure deployment and design guidelines
- Filed execution works are in progress.
- T-Fiber targets to complete the establishment of the entire network by the end of 2022.
Events & Meetings

IT Minister KTR inaugurated Micron Technology Development Centre in Hyderabad. Micron CEO Sanjay Mehrotra, Chairman Robert Switz, NITI Aayog CEO Amitabh Kant and US Consul General in Hyderabad Joel Reifman participated.

IT Minister KTR met Uber CEO Dara Khosrowshahi at their facility in Hyderabad.

Salesforce Executive VP, Govt Affairs Eric Loeb and Director, Govt Affairs Shweta Rajpal Kohli met KTR.

Cognizant EVP and President Digital Operations Mr. Ganesh Ayyar met IT & Industries Minister KTR.

NASSCOM President Debjani Ghosh met Minister KTR. Telangana to observe 2020 as the Year of AI.

Inauguration of Indiajoy - 2019, India’s biggest event for Gaming, Media and Entertainment.

Mphasis opens new facility in Hyderabad.

Capacity Building Training Launch. CM’s ST Entrepreneurship and Innovation (CMSTEl) Scheme.

IT Minister KTR inaugurated Intel Design & Engineering Centre in Hyderabad.

Minister KTR inaugurated Mphasis center along with CEO Nitin Rakesh. IT Secretary Jayesh Ranjan participated.

IT Minister KTR met Uber CEO Dara Khosrowshahi at their facility in Hyderabad.

NASSCOM President Debjani Ghosh met Minister KTR. Telangana to observe 2020 as the Year of AI.
Events & Meetings

Government of Telangana signs MoU with Google for Digital Telugu

ITE&C Principal Secretary Jayesh Ranjan at AMD Gameon 2019 held at Hyderabad

At the inauguration of Amazon’s Hyderabad Campus

ITE&C Principal Secretary Jayesh Ranjan at MoU Signing event of Telangana Blockchain District and ISB

ITE&C Principal Secretary Jayesh Ranjan at NPCI Innovation Lab inauguration at T-Hub

Inauguration of India’s first OnePlus R & D Centre in Hyderabad.

Inauguration of Global Delivery Center Experian Services India Pvt Ltd

Conference on 5G-The Catalyst to Digital Revolution in India in Hyderabad
New Zealand MP Priyanca Radhakrishnan called on Minister KTR at the inauguration of Syngene Intl R&D Centre at Genome Valley in Hyderabad.

Inauguration of Syngene Intl R&D Centre at Genome Valley in Hyderabad.

Minister KTR at the inauguration of Cyient Development Centre in Warangal.

Minister KTR at the India - Thailand Business Matching and Networking program.

Mr. Nik Khanna, MD, BAE Systems India met IT Minister KTR.

Mr. Nik Khanna, MD, BAE Systems India met IT Minister KTR.

New Zealand MP Priyanca Radhakrishnan called on Minister KTR.

Anand Stanley, President & MD, Airbus India & South Asia met IT Minister KTR.

A formal meeting with Deputy Prime Minister and Minister of Commerce, Thailand H.E. Mr Jurin Laksanawisit.

In a discussion with Tech Mahindra CEO CP Gurnani at 28th NASSCOM Technology and Leadership Forum 2020 in Mumbai.

Minister KTR presents Intinta Innovator Awards.
Events & Meetings

IT Minister KTR launched the ‘Applied AI Research Centre for Mobility and Healthcare’ hub of Intel along with Intel India Country Head Nivruti

Representatives from NASSCOM, HYSEA and Cyberabad Security Council met KTR to discuss the way forward in view of COVID-19

T Works CEO Sujai Karampuri giving a demonstration of the affordable ventilator to Minister KTR.

Minister KTR launching TS GOV COVID INFO Whatsapp Chatbot

Minister KTR launching T COVD - 19 Mobile App

U.S. Consulate General Hyderabad Joel Reifman calls on Minister KTR

In a Webinar with the leadership and members of Public Affairs Forum of India (PAFI)

HYSEA President Mr. Bharani Aroll along with the newly appointed executive committee called on IT Minister KTR

Interaction with the captains of the IT industry over a video call giving an overview of the State’s strategy to contain COVID-19