

Skill Times *from* NSN

India's first e-magazine dedicated to skills, education and employability

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Tata STRIVE's impactful skilling in Odisha – Transforming one ITI at a time



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Editorial

Dr. Madhuri Dubey



As we strive towards creating equitable opportunities for youth through education and skilling, we are faced with arduous task of building robust systems and replicable frameworks. Considering the complex nature of issues involved in implementing any scheme or program, the need to connect and learn from different organizations becomes an imperative.

Our efforts are dedicated to enabling interactions among key stakeholders to enrich the discourse and strengthen the evolving skilling ecosystem in India that complements mainstream education. The first edition of the PDF version of **Skill Times from NSN** is a step towards filling a void in qualitative communication and advocacy through stories of successful program implementation, emerging technologies and innovative practices and the latest updates. We are excited to feature our learning and research as well, as we continue to explore, discover and disseminate to keep up to expectations – both yours and ours!

Cover Story

Sahitya Karra

Tata STRIVE's impactful skilling in Odisha – Transforming one ITI at a time

Last year, while thousands of ITIs in the country were facing the challenge of filling the vacancies amidst the COVID-19 pandemic, the government ITIs in Odisha reported filling more than 96% of the seats!

A total of 11 ITIs (Industrial Training Institutes), including seven government and 4 private ITIs from Odisha found a place among the 100 top ITIs of the country in the list drawn up by the Ministry of Skill Development and Entrepreneurship (MSDE) in 2020.

"I am a proud ITlian!" says an enthusiastic student from a government ITI in Odisha. From not aspiring to be part of one to proudly flaunting the tag, something has profoundly triggered this change among the ITI students like him.

The state of Odisha turned the tables around in just a span of four years and frog-leaped to being one among the top states in skill development and training in the country. In partnership with Odisha Skill Development Authority (OSDA) and other stakeholders, Tata STRIVE has been instrumental in helping government ITIs in Odisha achieve this milestone.

Today, the campuses of Odisha ITIs not only sport a new look but have become a brewing hub for innovation and entrepreneurship. And the students of these institutes are proudly carrying the tag of "ITlian" as a badge of honor!

How did this transformation unfurl in Odisha ITIs?

Advances in technology, expansion of markets, and emerging ways of production are changing the way we work. These changes necessitate the infrastructure at ITIs to keep pace and the trainers to keep their knowledge current.



Mr. Rajarshi Mukherjee,
Principal Lead – Tata STRIVE

The idea and the need to transform the government ITIs in Odisha started when the Chief Minister of Odisha, Mr. Naveen Patnaik set up the Odisha Skill Development Authority (OSDA) with Mr. Subroto Bagchi as the chairman.

Mr. Subroto Bagchi, Chairman, OSDA along with a highly supportive government ecosystem, began by making note of various steps that could be taken to transform the skill development ecosystem in the state. And the first intervention began with the ITIs. Soon, it was realised that there were several challenges in these institutes, right from finding the efficiently trained trainers, modernising uninspiring infrastructure, and most importantly the lack of employability skills/ life skills among the students of ITIs. This is where Tata STRIVE intervened with their expertise in the subject and strived to enhance the existing 'Employability Skills' programme.

Ms. Susmita Bagchi, Author, and Philanthropist; Tata Trust, OSDA, DTET-Directorate of Technical Education & Training; and corporates like Mindtree Foundation and Kalinga Mining Corporation came together, invested in the project, and together achieved the results that we get to see today.

Importance of life skills for employability among ITI student

"Even though majority of industries hire a huge number of workforce from the ITIs, they often complain about the quality of manpower. The issue here is not just about the domain skills but also the mindset with which the students join the workforce. Their commitment to the work and workplace, quality in the work they take up, among others", explains Mr. Rajarshi Mukherjee, Principal Lead – Tata STRIVE while talking about what makes youth employable.

To make youth employable, training in employability skills becomes uncompromisable. By enhancing students' employability skills, one can not only improve their placement opportunities but also help them throughout their career in whichever field they chose. Along with these, training in life skills/ employability skills boosts students' self-confidence, self-esteem, enabling them to set goals for their career trajectory.

Modern industries are looking for skilled people with a sustainable mindset, the ones who can manage time and always resort to safety measures while on the job. Over a period of time, with training in life skills, concepts of importance such as quality consciousness, building a sustainability mindset, and design thinking skills, thus get imbibed by the students.

Role of Tata STRIVE in transforming ITIs in Odisha

Tata STRIVE integrated its tried and tested soft skills modules, part of its Youth Development Modules (YDM), into the existing 110 hour-long employability skills curriculum as defined by NCVT.

It also introduced additional hours for youth development modules in semesters 3 and 4 to make students job-ready.

Tata STRIVE changed the prevailing theoretical approach to delivery with a more activity-oriented approach that is



far more engaging and impactful. The Youth Development Modules aim to cultivate and nurture behavioural components such as attitudes, emotions, values, and motivations through activity-based learning.

Through the immersive and interactive sessions, combined with behavioural change techniques have helped in greatly impacting the employability skills of the ITI students.

This project was launched in pilot mode in 10 government ITIs in Odisha. After successful implementation and fruitful results, this has been extended to cover all the government ITIs in the state.

This could be achieved by deploying Tata STRIVE's "change leaders" (faculty) in ITIs across Odisha. They not only looked after training the students in life skills but also worked closely with the principals and the ITI faculty in bridging skill training gaps, building capacities, and inculcating activity-based learning among the students and trainers. Currently, more than 85 change leaders are working on the ground.

It was during the COVID-19 induced lockdown when Tata STRIVE's change leaders continued to train the learners through digital/blended mode of learning making them one of the firsts to adopt the technology quickly and seamlessly.

Tata STRIVE also reached out to the industries like Tata Motors and Tata Steel, to take in efficiently skilled and trained ITI students as apprentices. This gave extraordinary opportunities for the ITI students, adding to their aspirational value.

Though the programme initially faced difficulties in implementation due to resistance to change among some of the students and faculty, Tata STRIVE could successfully intervene and bring in the much-needed change in the entire value chain of skilling. This unique and first-of-its-kind skilling programme flourished as a result of the coming together of the government and the industry. The unique partnership model that includes individuals, government, industry, and the private sector-led to the successful transformation of ITIs in Odisha.



In the other news

Skill Development and Entrepreneurship Opportunities in Jharkhand

Pranathi Kolikapudi

Do you know Jharkhand is one of the richest sources of minerals in India? It accounts for 40% and 29% of India's mineral and coal reserves respectively, which makes Jharkhand one of the leading states in terms of economic growth.

It offers a wide range of incentives to all the industries under the Industrial Policy, 2012. Jharkhand also has various other industries such as Textile, Food processing, Agriculture, Tourism which contribute to the state's development. [Read more](#)



Meet the winners of Fronius India Aspirant Welding Engineer Competition 2021

Sahitya Karra



Fronius India Private Limited and the Indian Institute of Welding recently conducted the "Fronius India Best Welding Engineer and Aspirant Welding Engineer Competition" for the year 2021.

A total of 13 organisations and 268 participants participated in the Aspirant Welding Engineer category. And a total of 302 participants and 198 organisations participated in the Best Welding Engineer category. [Read more](#)

An advertisement for Fronius WELDCUBE Industry 4.0. At the top, it says "Perfect Welding | Better Energy | Perfect Charging". Below this is a photograph of a welding robot in a factory setting. To the right of the photo is the Fronius logo. Below the logo, the text reads "WELDCUBE Industry 4.0". At the bottom, it says "Today is the future of welding. It pays to be ahead of the competition."

Top 5 technologies to learn for a lucrative career in 2022

Pratyusha Tripathy



Major IT giants are on a hiring spree, with the Indian IT services sector aiming to add 4.5 lakh, gross employees, in the fiscal year ending March 2022. And according to a survey by industry hiring expert TeamLease, the IT sector is on the rise and will employ 10 million people by 2026.

And if you want to explore a career in IT this year, then you need a clear knowledge about the top 5 technologies to learn in 2022 to have steady career growth in the industry. [Read more](#)



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For 2020/2021 engineering graduates

Python+Data Science Stack | Python Stack | Java Stack



Issuing blockchain certificates for online courses is a game-changer



eLearning statistics from Statista reveal that the global eLearning market is expected to grow over \$240 Billion by the end of 2022.

This statistic does not come as a surprise, since online learning has experienced rapid growth in the last two years. Its pros and cons are many-fold, from improved teaching techniques that use gamification and interactive videos to lack of accreditation and low quality of programmes. [Read more](#)

Now issue blockchain-based digital certificates in a few steps!

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NTTF's diploma with multi entry-exit option- Now complete your diploma at your convenience!

Pratyusha Tripathy

Do you want to enrol in a diploma programme that allows you to earn your certification at your own pace? Would you like to enrol in a programme that will not compel you to accept a lower-level certification just because you are unable to complete the entire three-year programme?

For their three-year integrated diploma programmes, Nettur Technical Training Foundation (NTTF), a premier Indian institution providing technical training for the past 62 years. [Read more](#)



An advertisement for NTTF admission 2021-22. The background is teal with a network diagram. Text includes 'ADMISSION OPEN 2021-22', 'EMBARK ON THE PATH OF CAREER', 'Making you a Skilled Professional, Ready for Global Career', and contact information: '1800 103 6883 (Toll Free), 6366824366, 6366824367, 6366824368, 6366824369, 9071575176' and 'www.nttfrg.com'. Logos for 'noen GROUP', 'NCC education', and 'NTTF' are shown. A photo of a smiling male and female student is on the right.

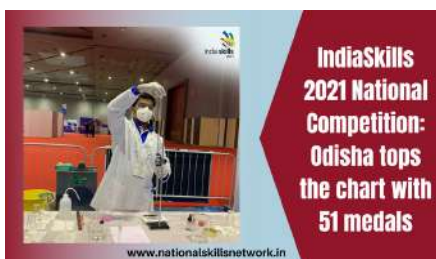
Skill Universities in India: Everything you wanted to know about!



Every year we see thousands of students choose higher education as their next step after school. But not all of us are completely inclined towards academics or prefer to learn and acquire knowledge without hands-on practical experience.

If you are more inclined towards pursuing skill-based, job-oriented degree courses in Travel and Tourism, Automobiles, Food Processing, among others, then, skill universities are going to help you build successful career paths. [Read more](#)

Videos



News and updates

- [NSDC partners Hero Vired to provide niche technology skills to Indian youth](#)
- [Project AMBER: A pathbreaking initiative by NSDC and Generation India Foundation \(GIF\) to make youth industry-ready](#)
- [MSDE collaborates with IGNOU to strengthen vocational and technical training framework](#)
- [IndiaSkills 2021 National Competition: Odisha tops the chart with 51 medals](#)
- [NSN weekly round-up on skills, education and training](#)

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