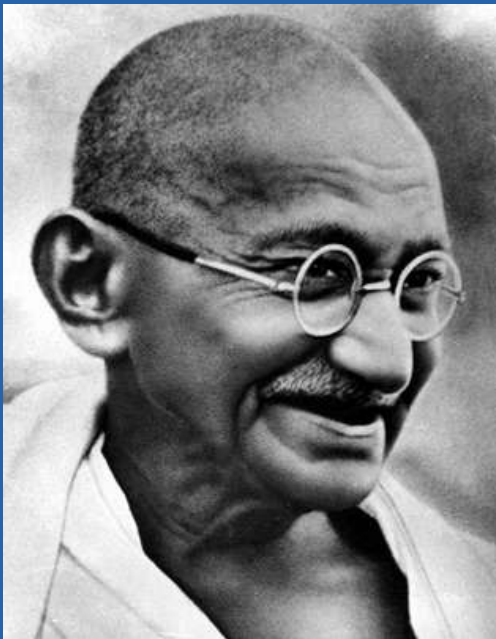


Skill Times *from* NSN

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

Issue 9 | October 2022

- Implementing Gandhian philosophy of work-integrated education
- Transforming vocational education through KED Methodology
- Corporate Social Responsibility (CSR) in India: The Big Picture
- 13th Global Skills Summit – Education to Employability: Making it happen



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Dr. Madhuri Dubey

We're into the last quarter of the year and this was just preceded by many events in skilling and education organised by industry bodies like FICCI and Sector Skill Councils like ASDC, TSSC, ASCI and more. It's great to see the revival of conferences and conclaves in physical format and the opportunities they create for learning through information, knowledge exchange and networking.

It's been our endeavour to present the key takeaways from these events and keep you informed about the upcoming ones. In addition, in this edition, we focus on the KED learning methodology and how it can be adapted for skill-based programs, along with other features on technology, training, initiatives and achievements. Other highlights include the launch of the second series of NSN Connect with expert conversations on the big picture of CSR and a special feature on the NTTF team that won the CANSAT/ Rocketry Championship in Serbia.



Work-integrated education

3 ways in which Gandhian philosophy of work-integrated education is being implemented in India

Team NSN

“By education, I mean an all-round drawing out of the best in child and man – body, mind and spirit. Literacy is not the end of education nor even the beginning... I would, therefore, begin the child’s education by teaching it a useful handicraft and enabling it to produce from the moment it begins its training. I hold that the highest development of mind and the soul is possible under a such system of education” – Mahatma Gandhi.

Mahatma Gandhi always closely associated education with the socioeconomic development of the country and emphasised the importance of vocational education and work-integrated learning.

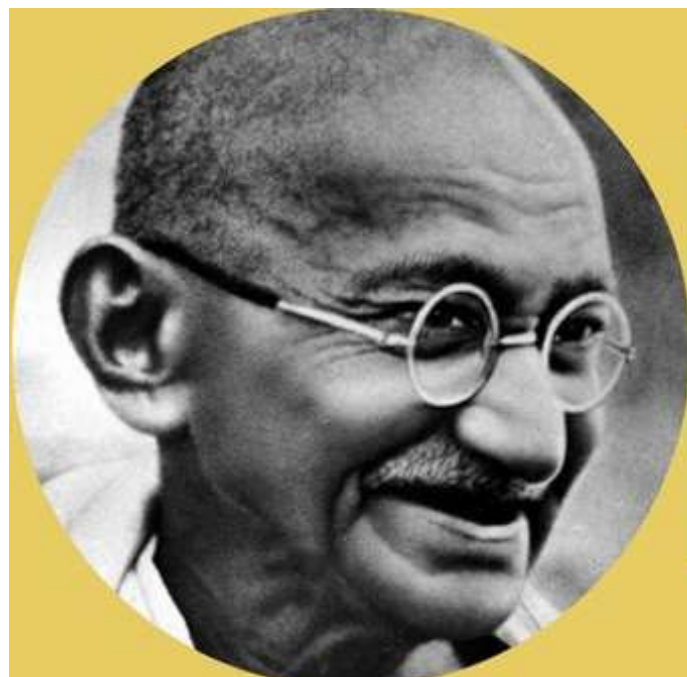
- He believed vocational education and training stimulate the human mind for creative thinking, learning by doing and thereby promoting the dignity of manual labour.
- He strongly advocated work-integrated learning to be part of the education curriculum right from the primary level to the higher education level.

Over the years, India has taken several initiatives and implemented many ideas along the lines of Gandhian ideology. Against the backdrop of the National Education Policy 2020, these initiatives and ideas have also been constantly evolving to meet the current challenges of implementing work-integrated education.

Let us look at the three ways in which the Gandhian philosophy of work-integrated education is being implemented in India to meet contemporary challenges in the evolving ecosystem:

1. Skill Hubs

Ministry of Skill Development and Entrepreneurship (MSDE) in collaboration with the Ministry of Education (MoE) has planned to implement the 'Skill Hub Initiative' under Pradhan Mantri Kaushal Vikas Yojana 3.0 (PMKVY 3.0). Skill Hubs are nodal skill centres that provide skill development and vocational training opportunities to the target population from class 6-8th (introduction to world-of-work through orientation, industry visits, bag-less days), 9th to 12th (aimed at exposing students to skill development avenues), school dropouts and out-of-education (aimed for academic credit, mainstreaming back to education and or apprenticeship and employment linkages).



**3 ways in which
Gandhian philosophy of
work-integrated
education is being
implemented in India**

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Over a period, these Skill Hubs will associate with adjoining education and skilling institutions (spokes) over a district, or a cluster of adjacent districts, to provide access to skill development training at the hub location or at the spoke location.

2. Professors of Practice

Making higher education work-integrated by building in vocational components has been a priority since the launch of the National Education Policy (NEP2020). University Grants Commission (UGC) has recently issued guidelines for engaging the Professors of Practice.

Professor of Practice is a faculty position which can be filled by industry and professional experts even without formal academic qualifications. They will now be allowed in higher education institutions. Through this initiative, education and skill training institutions will be able to bring real-world practices and experiences into the classrooms in creating awareness among the students on industry-relevant skills, and curriculum and be able to develop work-integrated methodology of teaching and learning.

3. Bagless days and craft-centric education

The National Education Policy 2020 suggested that students should participate in at least a 10-day bagless period

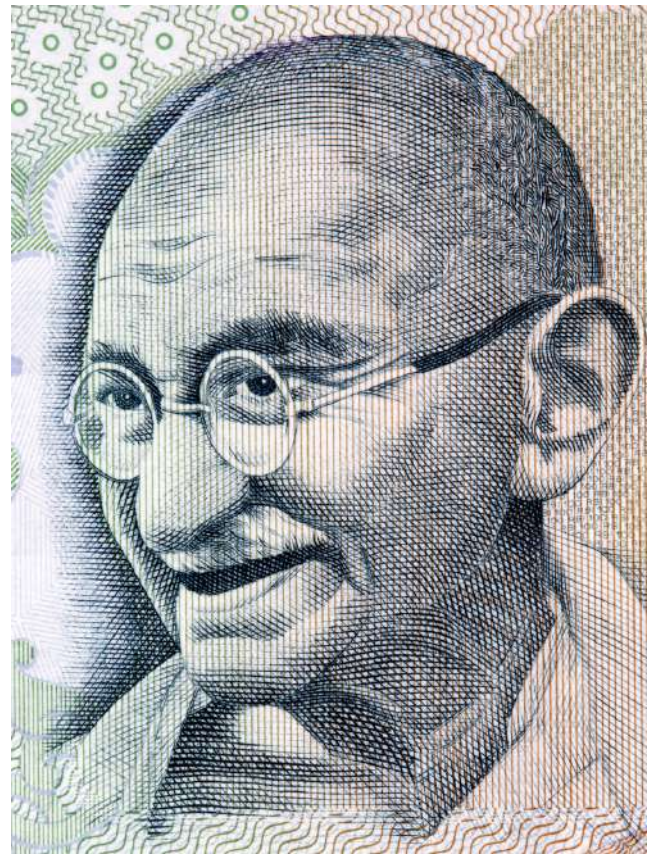
sometime during classes 6-8, where they intern with local vocational experts such as carpenters, gardeners, potters, artists, etc. Similarly, the policy also suggested that internship opportunities to learn vocational subjects may be made available to students throughout classes 6 -12, including holiday periods. These vocational courses will also be made available online.

While these are the three ways in which the Gandhian philosophy of work-integrated education is being implemented in India, let us revisit some of the articles and presentations from NSN that have reflected Gandhi's ideas on vocational education and skill development. These have sparked various discussions and decisions on educational policy and practice.

Mahatma Gandhi on the importance of vocational education and skill development

Gandhiji was the first to advocate aligning education with an industry-oriented curriculum. NEP 2020, by adopting these principles, has rekindled enthusiasm for skills and vocational training and made learning outcome-based and industry-relevant. Gandhian principles of craft-centred education connect the efforts to balance our educational system by boosting the potential for skilling. Mahatma Gandhi focused on manual and productive work as an essential primary education component. Ideas like learning by doing, work-integrated learning, respect for manual skills, and self-reliance through sustainable livelihoods engrain his philosophy.

In the year 2020, we presented an 'NSN Connect' episode on **implementing Gandhian ideas for enhancing vocational and skill-based education in India**. In this presentation, we extensively spoke about modernising crafts and its skills with the aid of technology, exploring and understanding local needs, and providing training as per rural and urban regions, with a focus on educating local youth for the needs of the local community at the village and district levels.



Team NSN organised a webinar on **"Head, Hand and Heart": Relevance of craft-centred education for 21st-century skills**, on the occasion of Gandhi Jayanti 2021 to highlight the importance and potential of handicrafts, toys, and crafts in enabling livelihoods, empowering youth, and boosting the economy.

The eminent speakers in the webinar emphasised the relevance of craft-centred education for 21st-century skills of children's cognitive skills, artisans' livelihoods, innovative measures to make skilling aspirational for students from the school level, and gender equality in the handicraft sector.

The speakers also emphasised that the primary level of education and exposure to skills are the significant actions that we must take to improve the education system and to be able to move artisans from a state of subsistence to a state of sustainable livelihood. Introducing student internships and entrepreneurship concepts at the school level help in creating opportunities for artisans to make a living.

Team NTTF wins the World CANSAT/ Rocketry Championship (WCRC) finals at Serbia

Pratyusha Tripathy



A diversified team of NTTF participants has made India proud by winning the World CANSAT/ Rocketry Championship (WCRC) finals, which was held in Serbia from September 25–27, 2022. The team comprised of participants from different parts of India and effectively demonstrated the power of a strong team spirit to accomplish their goals by overcoming other teams from the globe.

The CANSAT is a miniature satellite with all the necessary features of a real satellite. It is shaped like a soft drink 'Can'. Despite being a scaled-down version of an actual satellite, it carries all the critical components for a successful launch. Everything is integrated into a compact soft drink can shaped satellite model, including the On-board computer, power supply, sensors, and communication protocol.

Ms. Jyothi, a Bangalore NTTF faculty

member with a degree in Aeronautical Engineering and a Postgraduate Diploma from NTTF led the NTTF SPACE ACES INDIA winning team. NTTF Students of the group included Mr. Vikrant from Vijayawada, AP, Mr. Hari Haran Poovannan from Pondicherry, Mr. Syed Ilyas from Tiruvannamalai, Tamil Nadu and Ms. Sarmishtha from Berhampur, Odisha, and representing various parts of India.

The team designed CANSAT structure using Solid works and 3-D Printing, using "Aerospace grade material ULTEM" which was 60 grams. Utilizing PCB facilities available at NTTF, Bangalore, with multiple tests done, the team meticulously prepared for the competition. The Integrated model was 150 grams.

The mission started when the "University Space Engineering Consortium" (UNISEC) Chapter was inaugurated at NTTF Electronic Centre on 21/12/2020.

[Read more](#)

**ADMISSIONS
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SkillEd India transforms vocational education through KED Methodology

S. Divya Sree

"I believe that in order to leave the traditional model and enter the NOS-based certification, we need to identify the QPs and job responsibilities, integrate those competencies into the academic system, and ensure that at least 40 credits are required for graduation", **Mr. Rajiv Mathur, CEO, SkillEd India.**

To learn about SkillEd India and recall the challenges of NSDC while employing QP-NOS, aligning them with competency levels, and various other things, we had a conversation with Mr. Rajiv Mathur, CEO, SkillEd India, a prominent organization in the ecosystem of skilling and vocational education.

Q: Please tell us about SkillEd India.

A: Currently, our organisation goes by two names: **KEDMAN**, which is our legal name, and **SkillEd India**, which is the company name. The KEDMAN Company is actually a joint venture between two enormous educational systems. One of these companies is an international school chain in Sweden named Kunskapsskolan, which has more than 200 locations across Europe, the United Kingdom, the United States, and India.

Together, they collaborate with Manav Rachna University in India. In 2017, Manav Rachna University, Kunskapsskolan, and NSDC made the decision to establish SkillEd India, which I am in charge of. This organization was created with the very specific goal of bringing the Kunskapsskolan education learning methodology to India, particularly in the vocational space.



**Mr. Rajiv Mathur,
CEO, SkillEd India**

SkillEd India focuses on four verticals:

1. Ed-Tech: Ready-to-use digital vocational content available to us across various sectors. It has two important components,

- Entirely linked to the QP-NOS (Qualification Pack- National Occupational Standards) and leads to Smart Nation certification that has been recognized by the Sector Skill Council.
- **KED learning methodology:** Focuses on the learner and offers high-quality content in a thorough full course aligned to QP-NOS.

2. Setting up multi-development centres: Some of the skill centres we are opening up our CSR-contributing factories with accommodation, while others are skill centres situated near hospitals. The KED learning methodology produces defined learning. We also have a foundation named the **KEDMAN Skill India Foundation**, which accepts Corporate Social Responsibility (CSR) funds.

3. Skill development consultancy: – To leave a significant mark in this area, and looking at the large force, we see that they are skilled practitioners.

[Read more](#)

Recent Skill Conclaves

ASDC Annual Conclave focused on the need of preparing youth for the future of work

Team NSN

The first Sector Skill Council of India, the Automotive Skills Development Council (ASDC), hosted its annual conclave on September 23 at the Hotel Hayat in New Delhi, bringing together the biggest names in the Indian auto industry. The Conclave, with the theme “Kushal Yuva – Samruddh Bharat,” featured more than 500 participants, including senior executives from Indian and international manufacturers and several senior bureaucrats. Participants discussed the auto industry’s role in developing India and what the industry expects from the skilling ecosystem.



[Read more](#)

13th Global Skills Summit – Education to Employability: Making it happen

Team NSN

FICCI (Federation of Indian Chambers of Commerce and Industry) organized the “13th Global Skills Summit – Education to Employability: Making it happen” on September 27, 2022, to strengthen connections between academia, industry, and policymakers as well as develop a coordinated strategy to advance effective transformation in the education and skills sector.

The summit was attended by eminent guests, Mr. Dharmendra Pradhan, Minister of Skill Development & Entrepreneurship and Education; Mr. Subhrakant Panda, Senior Vice President, FICCI and MD, Indian Metals and Ferro Alloys Ltd, etc.



[Read more](#)

NSN Connect 2022 – Corporate Social Responsibility (CSR) in India: The Big Picture

S. Divya Sree

NSN Connect 2022 is back with a new series titled “Corporate Social Responsibility (CSR) in India: The Big Picture.” Ms. Meena Ragnathan, a CSR Specialist, is the eminent guest of the six-episode series. She is an expert in the Development Sector and has decades of experience in setting up and leading Corporate Social Responsibility (CSR) departments for big organizations and has recently authored a book on CSR – ‘Doing Good: Navigating the CSR Maze In India’. With the addition of Section 135 to the Corporations Act of 2013, India became the first nation to have CSR for specific companies enshrined in law. The goal of CSR law was to make companies

Each individual stakeholder, however, has a slightly different understanding of how CSR fits into the larger discussions about the moral, ethical, and social responsibilities of industry.

The first episode in the series focuses on CSR- the history and evolution of mandatory law in India. Here are some of the highlights from the episode.

Episode 1 – History and evolution of CSR as a mandatory law in India

In the first episode, Ms. Meena Ragnathan, **talks about the history and evolution of CSR as a mandatory law in**

NSN
NATIONAL SKILLS NETWORK
Connect 2022

Series 2
Episode 1

CSR - History, evolution as a mandatory law

Dr Madhuri Dubey
Founder, NSN

Ms. Meena Ragnathan
CSR Specialist

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responsible and equal participants in the development process. The concept of corporate social responsibility (CSR) holds that companies should examine how their actions might affect the environment and society.

India, the benefits of CSR for companies, understanding the connection between ‘doing good’ and ‘being good’ and the emerging CSR ecosystem in India.

[Read more](#)

Recent initiatives, trends and more

Online higher education in India

Sahitya Karra

Over the years, and especially in the past two years, online education has certainly proven to be a boon for the education and skill training ecosystem in India. Online education is student-centric and provides access to several interesting learning resources and innovative learning opportunities for students.

Online courses and online degree programmes have been gaining increasing importance and acceptance in recent times among students and parents. You can check out some such industry-relevant online degree programmes offered by SASTRA University, digitally enabled by TCS iON [here](#).



NTTF in association with **TCS iON** offers

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CII SR Conference on Education 4.0- Investing in the Future of Jobs & Skills

CII Southern Region is organising a Conference on Education 4.0 – Investing in the Future of Jobs and Skills on **12th October 2022 from 10.00 to 17.00 Hrs at Hotel ITC Grand Chola, Chennai.**

Education 4.0 is a new experience-based education system that uses digital technologies instead of the rote-based system and responds to the needs of the new world through personalised education. Likewise, it necessitates skills that enable students to continuously learn, evolve their understanding, and grow their skill set for more job opportunities. [Read more](#)

CII Southern Region
Education 4.0
Investing in the Future of **JOBS & SKILLS**

12th October 2022
Hotel ITC Grand Chola, Chennai

Block YOUR DIARY

3 Reasons why CMU-SCS's Advanced Certificate Programme in DevOps is unique

Pratyusha Tripathy



The market for DevOps is anticipated to be worth USD 37,227 million by 2030. The future of DevOps appears to be quite bright as its useful applications grow. However, you must have all the necessary skills if you want to have a lucrative career in the industry.

And one of the greatest ways to do this is through certification programmes in DevOps. [Read more](#)

A promotional banner for the NSE Talent Sprint program. On the left, there are logos for NSE Talent Sprint and the Indian Institute of Technology Hyderabad. The central text reads 'Launch your premium Tech Career in AI and Emerging Technologies'. Below this, it lists 'IIT Hyderabad Certification' and '100% Placement Support from TalentSprint'. On the right, there is a call to action: 'Cohort Starts in April 2022' and 'Apply Now'. The background features a person using a tablet in a futuristic setting.

ESSCI partners with Samsung to empower youth in new-age technologies

Team NSN

The Electronics Sector Skill Council of India (ESSCI) and Samsung India signed a memorandum of understanding (MoU) on September 22, 2022, in New Delhi as part of the government's Skill India initiative. The goal is to equip young people with employability-boosting skills in emerging technology domains.

Over 3,000 young people between the ages of 18 and 25 who are unemployed are to receive training through the "Samsung Innovation Campus" initiative in advanced technologies like artificial intelligence, the internet of things, big data, and coding and programming. The initiative will carry out by ESSCI, a National Skill Development Corporation (NSDC)-approved organization, through its extensive network of authorized training and educational partners.

[Read more](#)



Videos

Empowering nurses through FINE Program: Making partnerships work



Ranjen Choudhury
Head Partnerships – Vocational
Education, TCS ION



Dr. P. Srinivasa Rao
CEO - Apollo Medskills
Limited



Dr. Madhuri Dubey
Founder, NSN



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Telecom Sector
कौशल विकास न्यूज़
Electronics Sector
ASDC
CII SR Conference on Education 4.0
Leather Sector Skill Council (LSSC)



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News and updates

- [13th Global Skills Summit – Education to Employability: Making it happen](#)
- [DGT launches Bharatskills Forum- Digital platform for ITIs' Trainees, Trainers, and Industrialists](#)
- [WorldSkills Competition 2022-58 candidates to compete in 52 skills](#)
- [NSN weekly newsbytes on skills, education and training- 04102022](#)
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