

Skill Times *from* NSN

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

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- Careers in DevOps in 2022
- TISS – SVE: Mainstreaming vocational higher education
- How to apply for a Skill Loan
- How skills and entrepreneurship can enable sustainable livelihood
- Top 5 Challenges faced by nurses and how to address them
- B.Voc program with dual benefits

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apply for
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Editorial

Dr. Madhuri Dubey

The option to avail skill loans from various banks could truly help many young career aspirants in India. Recent NSDC partnerships with Financial Services Companies reiterates the fact that skill loans can play a big role in successful implementation of skill development and work-integrated learning.



This edition focuses on skill loans along with many other aspects of skilling and vocational education in India. Among the industry sectors we've included the need for appropriately skilled professionals in Nursing and DevOps .

Another area that needs our immediate attention pertains to higher vocational education through B.Voc. The stories on TISS-SVE and NTTF bring out the impact of their programs. In addition, other updates from recent events and headlines from the industry are intended to keep you updated and engaged with various stakeholders in the evolving ecosystem.

Thought leadership

Here's how you can kickstart your career in DevOps with the right skills in 2022

Pratyusha Tripathy

This article is based on inputs from the team at TalentSprint.

By 2030, the DevOps market is expected to be worth USD 37,227 million. As the practical applications of DevOps expand, the future of DevOps looks extremely promising.

DevOps engineers are now among the most in-demand professionals. Indeed.com, a leading job search portal, has seen a 75% increase in DevOps job listings, while LinkedIn has seen a 50% increase in mentions of DevOps as a skill.

The rising demand for DevOps professionals

DevOps offers lucrative career opportunities, and almost all of the leading MNCs are always looking for skilled professionals to join their teams. Tech leaders like Oracle, Barclays, Accenture, Tech Mahindra, TCS, IBM, Wipro, and Facebook, to name a few, are constantly looking for experts with DevOps skills. Even e-commerce giants like Target, Amazon, eBay, and others are quickly embracing DevOps, which is generating a tonne of job opportunities for DevOps specialists.

All you wish to know about launching a career in DevOps

- In-demand job roles in DevOps – DevOps Architect, DevOps Engineer, DevOps manager, Security Engineer, Automation Engineer and Release manager are some of

the most in-demand job roles in DevOps in 2022.

- Responsibilities of DevOps job roles- DevOps job roles include various responsibilities under which you will be expected to manage various advanced responsibilities such as software releases from start to finish and developing strategies to beat the competition. As a result, DevOps as a career path is both challenging and rewarding.

Must have skills to launch a rewarding career in DevOps

To build a successful career in DevOps, you must acquire a few DevOps skills and build competency in the domain.

Here are the skills that you will need to become a DevOps professional:

- Proficiency in Python, Node.js, Git
- Linux fundamentals and scripting
- Knowledge of various DevOps tools and technologies such as Jenkins, Wireshark, SonarQube, Kubernetes and Terraform

To build the required DevOps skill set, you can enrol in certification programmes specially designed for those who are keen on kick-starting their career in DevOps.

The Advanced Certificate Program in DevOps is designed and developed by Carnegie Mellon University's School of Computer Science(CMU-SCS) Executive Education and delivered in collaboration with TalentSprint for DevOps aspirants in the APAC region.

- The programme helps you become proficient in DevOps
- It provides you with an opportunity to accelerate your career as a DevOps specialist
- You will get a globally recognized certification after the successful completion of the programme.

To know more about the programme, you can visit [Advanced Certificate Program in DevOps programme page](#) on [TalentSprint's website](#).



among others.

- Continuous integration and continuous delivery
- Infrastructure as code
- Key concepts of DevOps
- New processes such as multi-threading and micro processes
- Soft skills like communication and collaboration skills

In India, the opportunities for DevOps Developers are currently at their peak. However, to capitalize on the opportunities, you must first develop the necessary DevOps expertise. So, think no more. Begin investing time in learning the necessary DevOps skills for a rewarding career in the field.



TISS-SVE: Mainstreaming vocational higher education through innovative models

Team NSN

“Apprenticeships or internships or any other skill component should not be done at the end of the course. Rather it should be a part of the course and be done in parallel to the theory classes every semester” says Dr. Madhushree Sekher, Dean, TISS-SVE (School of Vocational Education) talking about the importance of the skill component in vocational higher education.

TISS has been taking phenomenal steps in creating awareness and attracting students towards pursuing the B.Voc. courses. Undergraduate courses from TISS like the B.Voc. courses are preparing students with the right industry knowledge and experience and are making them employable with relevant skills.

To learn more about the changes taking place in the TISS SVE model of skill development, in-demand courses, career paths and more, we conversed with **Dr. Madhushree Sekher, Dean, TISS-SVE.**

Q: What are the current changes happening with the TISS-SVE hub and scope model?

A: We had to revamp the TISS-SVE hub and spoke model to address a few underlying issues. We revamped the entire structure, where we took over the academics by ourselves. This is right from the admission process, developing the programmes to linking students to the industry partners. Now, we have skill service providers who identify students who need skill components and guide them to us.

**Dr. Madhushree Sekher,
Dean, TISS-SVE.**



Service providers get paid per student. We control and deliver the programme. The service providers help us in identifying students who need skill education and guide them to us. They also identify Skill Knowledge Partners (SKPs) where they can be guided us to get the training done. At the TISS Hyderabad campus, we have almost 400 students. We guide the students depending on the region they come from and based on the local skill needs.

Q: How do you see NEP 2020 in terms of strengthening higher vocational education?

A: At TISS, students have the opportunity to do internships with industry partners. As the students go forward, they will be sufficiently skilled with 360 hours of industry-based training every semester. The NEP (National Education Policy) 2020 highlights the importance of skill education. Hence, we make sure to create a skilled workforce parallel to taking classes.

Creating a skill component towards the end is not going to help. We need to have

the classes and skill components happening parallelly. This is the implementation part of the NEP programme which was done from our side. Today, under NEP 2020, students are acquiring skills and with our programmes, we are making those skill components effective. Depending upon the location-specific requirement of jobs, we have built these skill components into undergraduate programmes. In our other programmes at TISS, students who are doing non-B. Voc. courses, also take up apprenticeships.

Q: What are the courses that are in high demand from the industry perspective?

A: The courses that are in high demand are courses from the **Life Sciences, Hospitality and Healthcare sectors**. We are trying to get our healthcare sector courses within the paramedical courses list. The **Capital Goods sector** is also one of the sectors that are high in demand. There are also premium programmes like **Retail sector** courses that are linked with the industries and are always in demand.

Q: After the students finish with the orientation, how do they get assigned to the theory and practical components where they have to go to the industry environment?

A: We assign our students according to the region they come from. A significant number is from Kerala where most of them show interest in working in the healthcare sector. Service providers will identify these students and guide them to us. During the admission process, 150 plus teachers are prepared within the school of vocational education. They are identified from different locations or sites. We map generic courses during the weekends and domain-specific classes are taught by the domain experts on the other days.

Q: How do you build capacities in terms of



ensuring faculty is trained and updated with the industry requirements?

A: We have trainee programmes and domain experts from the industry which enable us to make the faculty updated. We are also going to have our first domain expert meeting on the 4th and 5th of July. We look into two main streams while training our trainers –

1. Capacity building of faculty to take classes
2. Update their current knowledge and make them understand the course content

ToT (Training of Trainers) is also followed where we need to have the faculty be able to communicate with the students in the language they understand or in the local language. We are also planning to create skilled teachers to teach specially-abled children.

Q: Do you wish to share anything else with our audience?

A: Firstly, one should have the patience to understand the vocational programme. Try to see the value behind the vocational programme. As the landscape of higher education is changing in our country, NEP 2020 has opened up multiple doors for universities across the country. Therefore, the young population should grab the opportunities that come their way. From TISS, 6,519 graduates have completed their under graduation. Out of this, 4,400 have been successfully placed. Around 5,500 students either went in for higher education or ventured into entrepreneurship.

How to apply for a Skill Loan to enrol in skill development courses

S. Divya Sree

Are you trying to get a loan to enrol in skill development courses/ programmes, but are unsure of which bank to go to? What if we told you that certain banks offer skill loans to students who want to enrol in the courses under the Skill Loan Scheme?

To make it easier for students to enrol in skill development courses and receive institutional credit, the Government of India came up with a Skill Loan Scheme.

Students must follow the National Occupations Standards (NOS) and Qualification Packs (QPs) and complete programmes leading to degrees, diplomas, or certificates that are acknowledged



by the National Skill Qualification Framework (NSQF) to be qualified for the programme.

This programme covers all banks that are members of the Indian Banks' Association (IBA), in addition to any other banks or financial organisations that the RBI may advise. The scheme gives the banks general guidelines for implementing the skilling loan plan. So far, 6,018 persons had benefited from the Skill Loan Scheme since it began six years ago, and as of October 31, 2021, Rs. 64.37 crores had been granted.

Recently, National Skill Development Corporation (NSDC) has also collaborated with Avanse Financial Services and Auxilo Finserve to provide financial solutions for young people's skill requirements. Students who would like to enrol in skill development and vocational courses can receive financial aid from the NSDC.

Benefits of Skill Loan Scheme

- Loans for students pursuing technical courses offered by training institutes, polytechnics etc.
- No processing charges
- No documentation charges
- No security required

Banks offering Skill Loan Scheme

- Bank of Maharashtra
- Central Bank of India
- Bank of Baroda
- State Bank of India
- Union bank of India
- Canara Bank
- Punjab and Sind Bank
- IDBI Bank
- Bank of India
- Karnataka Bank

Prerequisites to apply for a skill loan Eligibility Criteria for Skill Loan Scheme

- Should be an Indian National
- Secure admission to a course that is conducted by any one of the following institutions Industrial Training Institutes (ITIs) and Polytechnics
- Schools recognized by the State or Central Board of Education
- Colleges affiliated to a recognized university
- Training partners affiliated to the Sector Skill Councils, NSDC, State Skill Missions, or State Skill Corporations

[Read more](#)

Recent initiatives, trends and more



Top 5 Challenges faced by nurses and how to address them

Sahitya Karra

Around 27 million men and women make up the global nursing and midwifery workforce, accounting for more than 50% of the global health workforce, according to the World Health Organisation (WHO). And yet there is a global shortage of about 50% of health workers, particularly nurses and midwives.

With reference to India, the country has about 1.7 trained nurses per 1,000 people, against the WHO norm of three nurses per 1,000 people. [Read more](#)



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TCS iON – Apollo Medskills Skills Conclave on transforming Nursing Education in India

Sahitya Karra

TCS iON, in collaboration with Apollo Medskills, organised a Skills Conclave at Hyderabad on 29th June 2022. The conclave was organised to create awareness about the FINE (Finishing Skills for Nursing Excellence) programme developed by Apollo Medskills and digitally delivered by TCS iON through a phygital model. The programme aims to transform Nursing Education by providing finishing touches to the academically acquired skills of the nurses by upskilling them as per the industry requirements.

Through this programme, TCS iON and Apollo Medskills envision transforming nursing education in India and making the nurses globally competent. The FINE programme is a unique, job-linked skilling programme aimed to help nurses who are keen on a career in the Healthcare sector.

[Read more](#)

How skills and entrepreneurship can enable sustainable livelihood

Sahitya Karra



Entrepreneurship plays an important role in enabling people to have a sustainable livelihood. The right skilling and training will put them on the right entrepreneurial path through which they can start their own business.

We conversed with Mr. Shiladitya Samaddar, Principal Lead Operations, Tata STRIVE to know more about the objectives and awareness that needs to be created on entrepreneurship, how to provide entrepreneurial opportunities and most importantly develop an entrepreneurial mindset. [Read more](#)

Team NSN congratulates Tata STRIVE on reaching the milestone of training 1 million youth since its inception!



World Youth Skills Day 2022: No Youth Left Behind in India's Economic Development – Webinar report

S. Divya Sree

"No youth left behind in India's economic development"

WYSD 2022

World Youth Skills Day 2022

www.nationalskillsnetwork.in

On the occasion of World Youth Skills Day on 15th July 2022, National Skills Network (NSN) organised a panel discussion with industry experts followed by student interaction on the topic "No youth left behind in India's economic development."

Eminent panellists for the webinar were Mr. Rajesh A R, CEO, LabourNet; Mr. Chiranjiv Guha, Partnerships Lead, TCS iON; Mr. Abhishek Gupta, National Project Manager, AISECT, Mr. Shankar M G, Head Faculty Development, NTTF. The session was moderated by Dr. Madhuri Dubey, Founder, NSN and was coordinated by Team NSN – Sahitya Karra and Pratyusha Tripathy. [Read more](#)

Here is what you should know about the unique B.Voc programme by NTTF



What do you look for in a B.Voc degree course before enrolling? Is placement a deciding factor for you? Or do you look for opportunities to study abroad or apply for competitive exams? Well, whatever your requirement might be, the NTTF B.Voc degree program with dual benefits is sure to fulfil all of them. [Watch the video here](#)

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Videos

"No youth left behind in India's economic development" **WYSD2022**

Keynote and Panelists



Students and alumni



15th July 2022
Friday at 2 PM

Live on YouTube  Organised by 

Rajesh A R
CEO LabourNet

Chiranjiv Guha
Partnerships Lead,
TCS-IGN

Abhishek Gupta
National Project
Manager ASECT

Shankar M G
Head Faculty Dev,
NTTF

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How skills and entrepreneurship can enable sustainable livelihood

Mr. Shiladitya Samaddar
Principal Lead - Operations
Tata STRIVE



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Weekly newsbytes 02082022 (हिंदी में)

Skill development projects अप्रेंटिसशिप

National Apprenticeship Promotion Scheme

Apprenticeships in PSUs

कौशल विकास न्यूज़

NEP 2020



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News and updates

- [OP Jindal University organizes a one-month Industrial Internship Program](#)
- [NSDC collaborates with ASDC and Toyota Kirloskar Motor to train 18,000 students](#)
- [New Qualification Standard on Entrepreneurship in India by MEPSC, Empower Foundation and Her&Now](#)
- [NSN weekly newsbytes on skills, education and training- 02082022](#)
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