



# NSDC CONNECT

## DIGITAL TRANSFORMATION OF SKILLING AND EDUCATION

OCT 2023

VOL: 1  
ISSUE: 2

INTRODUCING DIGITAL  
PRODUCT SUITE

NSDC DIGITAL  
INITIATIVES



EDUCATION AND EMPLOYMENT  
WORKING GROUPS

G20 LEADERS'  
SUMMIT



SKILLING FOR  
SEMICONDUCTOR

INDUSTRY  
PERSPECTIVE

### REIMAGINING THE FUTURE OF WORK: MSDE LAUNCHES SKILL INDIA DIGITAL



# SKILL INDIA DIGITAL

SKILLS, ANYTIME, ANYWHERE

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AI-Powered Career Guidance



Personalized Skilling and Job Recommendations



Digital Credentials Verification



Locate Skill India Centers



Multilingual



Future Skill Courses



Online Free/Paid Skill Courses



Job/Apprenticeship Opportunities



Direct Benefit Transfer



Online Certification



Digital CV



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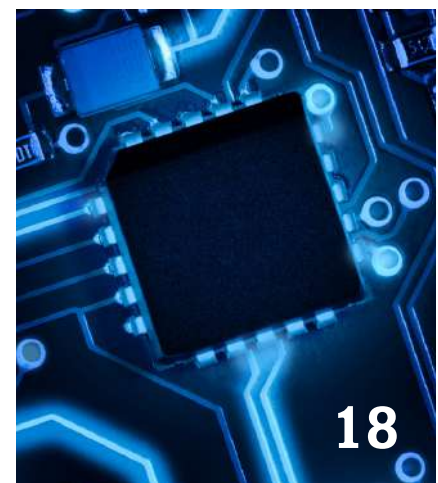
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Dear Readers,

Thank you for your enthusiastic response to the first edition of NSDC Connect. Your support acts as a great source of motivation for our editorial team!

With a remarkable surge in digital penetration, India finds itself at the forefront of the global digital revolution. This digital transformation extends its influence across diverse sectors, including education, where technology is reshaping traditional paradigms.

There's an exciting development that deserves our attention. I am pleased to announce that "Skill India Digital" was formally launched by the Hon'ble Union Minister of Education, Shri Dharmendra Pradhan, and the Hon'ble Minister of State, Shri Rajeev Chandrashekhar in the month of September 2023. Skill India Digital is a comprehensive digital platform aimed at synergizing and transforming the skills, education, employment, and entrepreneurship landscape of India, developed by the National Skill Development Corporation, under the aegis of the Ministry of Skill Development and Entrepreneurship.

Skill India Digital, in alignment with the National Education Policy 2020, envisions a nation where every Indian has effortless access to skill acquisition, advancement, and upskilling opportunities, financing options, facilitating the discovery of jobs and the nurturing of entrepreneurial ambitions. We aim to bridge the gap that separates talent from opportunity, forging a workforce that is well-prepared for both employment and entrepreneurial avenues. Skill India Digital serves as the destination for citizens seeking skill development, upskilling, and reskilling to propel their careers and professional growth. By leveraging India's robust

digital public infrastructure, we strive to provide last-mile connectivity, empowering citizens and contributing to India's ambition of becoming the skill capital of the world.

In this month's issue, we delve deep into the theme of "Digital Transformation of Skilling and Education," exploring the dynamic landscape of learning and skill development in the digital age. Our pages are brimming with stories that shed light on pivotal initiatives such as Skill India Digital and other digital products within the NSDC ecosystem. NSDC Digital Products Suite comprising the NSDC Academy, NSDC Trust, NSDC JobX, NSDC International, NSDC Connect, and NSDC Insights, along with NSDC Technology Incubator and Partnerships for Start-Ups (T.I.P.S.), represents a comprehensive and innovative ecosystem for skill development, digital credential verification, job exchange, global workforce mobility, community engagement, and data-driven decision-making. These platforms will play a pivotal role in revolutionizing the skilling and employment landscape, addressing the diverse needs of India's workforce and entrepreneurs, and making it easier than ever to access and benefit from skill development and related services.

We also take a closer look at the semiconductor industry, dissecting policy intricacies and the evolving skilling demands within this high-tech sector. Beyond these narratives, we provide valuable insights into India's recently concluded G20 Presidency. Our coverage highlights the crucial discussions surrounding education and skill development on a global scale, underlining India's commitment to shaping a brighter future for all.

We hope you find this issue informative and inspiring as we collectively reimagine the future of learning and employment.



VED MANI TIWARI  
OFFICIATING CEO, NSDC

NSDC Connect embodies NSDC's values: Integrity, Innovation, Inclusion, and Impact. We aim to provide trustworthy, innovative, and inclusive content that aims to make a positive impact on education and skill development. Join us in reimagining a better future.

## UNLOCKING THE FUTURE WITH SKILL INDIA DIGITAL: TRANSFORMING SKILLING, EMPOWERING CAREERS

*Jazreen Deboo, NSDC*



The article delves into the transformative journey of Skill India Digital, offering an overview of this initiative and its pursuit in revolutionizing the digital landscape of India's skill ecosystem. It provides an exploration of the journey of Skill India Digital's from its inception to launch and the way forward. The article sheds light on the crucial role digital technology plays in enhancing skilling programs, reducing training costs, creating job opportunities, and fostering entrepreneurship.

## India's Leading Role in Digital Public Infrastructure

According to Internet and Mobile Association of India, India's digital landscape is on an impressive trajectory, with 759 million active internet users in 2022, and expectations of reaching 900 million by 2025. This digital surge is particularly powered by rural India, where 399 million users are embracing the digital revolution, sparking transformations across sectors, including education.

India has emerged as a global leader in Digital Public Infrastructure (DPI) innovation. It's one of the leading nations in this field, pioneering robust digital identity systems, secure data platforms, and citizen-centric services. The Aadhaar initiative, one of the world's largest biometric ID systems, exemplifies this transformation. Alongside, the Unified Payments Interface (UPI) has revolutionized financial transactions, enabling common people to buy everyday items using mobile payments. The Open Network for Digital Commerce (ONDC) connects local sellers to national buyers, fostering inclusion. The Digital India program promotes tech adoption and digital literacy. During the COVID-19 fight, the CoWIN app played a pivotal role, ensuring equitable vaccine distribution and efficient vaccination center management. These initiatives showcase India's commitment to technological advancement, digital inclusion, and efficient public services.

In a special message during the G20 Digital Economy Ministerial Meeting, the Honorable Prime Minister of India, Shri Narendra Modi, spoke about the “unshakable belief of India in innovation, speedy implementation of DPI, modulated by the spirit of inclusion – leaving no one behind.” This led the G20 countries to recognize DPI's pivotal role in the delivery of goods and services and sought to define it and construct principles and conditions for its development and deployment. The G20 New Delhi Leaders Declaration agreed on developing a G20 Framework for Systems of DPI. They further welcomed India's plan to build and maintain a Global Digital Public Infrastructure Repository (GDPIR).

## Integration of Technology as per National Education Policy 2020

India's National Education Policy (NEP) underscores the imperative of digital integration in education. It advocates investments in digital infrastructure, the creation of high-quality content, teacher training, and experimental forays into diverse digital learning models.

From the National Knowledge Network (NKN) connecting educational institutions seamlessly to DIKSHA's stack of digital content for teachers and students, and SWAYAM's vast array of free online courses, these DPIs are revolutionizing education. The National Digital Library (NDL) houses learning resources, while ePathshala offers a digital library of e-books and educational materials. PM E-Vidya unifies all efforts related to digital, online, and on-air education to enable multi-mode access to education.

An addition to this list of esteemed platforms - Skill India Digital is a pioneering and transformative digital platform, that represents the collective dreams and aspirations of millions of Indians seeking to unlock brighter prospects and seize better opportunities. In a world driven by digital innovation, where the boundaries between physical and virtual spaces are increasingly blurred, the need for a transformative approach to skilling and education has never been more pronounced.

India is home to one of the world's largest and youngest populations. This demographic advantage can transform into a formidable workforce, but only if these individuals are equipped with the right skills. Skill India Digital steps in precisely at this juncture, harnessing the power of digital technology to ensure that every Indian, regardless of their background or location, can access and acquire the skills needed to thrive in the 21st-century job market. The challenges facing the skilling ecosystem are multifaceted. Skill India Digital has been meticulously developed to address these challenges head-on. As the Digital Public Infrastructure (DPI) for skilling in India, Skill India Digital plays a pivotal role in reshaping the nation's skilling landscape, aligning perfectly with the vision of making India the Skilling Capital of the world, as envisioned by the Prime Minister.

## Journey of Skill India Digital from Inception to Launch



In the year 2022-2023, the Indian government set its sights on a transformative vision—a digital ecosystem for skilling and livelihood, known as the DESH-Stack portal. This visionary initiative aimed to empower citizens across the nation through online training, recognizing the immense potential of digital platforms in reshaping skill access, relevance, and quality. As the calendar flipped to 2023-2024, another milestone emerged on the horizon—Skill India Digital. It emerged as a unified force, bridging the gap between demand-based skilling, employer connections (including the vibrant world of MSMEs), and entrepreneurial pathways.

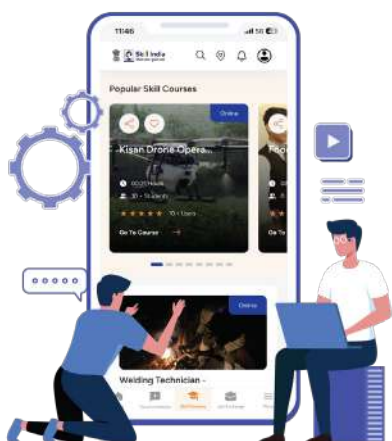
This story isn't just about budgets and policies; it's about India's commitment to skill development and employability, about opening doors of opportunity for its people. It all began in 2021, with the vision of creating a platform where every citizen could access skills that would not only enrich their lives but also empower them economically.

The journey from inception to launch was a saga of innovation, resilience, and unwavering dedication. It wasn't a solitary effort; it was a collaborative journey. The Ministry of Skill Development and Entrepreneurship, the Digital and IT Team of the National Skill Development Corporation, and a team of 150 engineers from 13 development firms all played a pivotal role in this transformative journey.

Hours turned into days, days into months, as countless minds brainstormed, plans were meticulously laid, and obstacles were surmounted. It was about designing interfaces that anyone could navigate, ensuring seamless integration with government skilling initiatives, and leaving no stone unturned.

But what truly set Skill India Digital apart was its essence as a "Platform of Platforms." It was a testament to the power of partnerships. It thrived on synergies with stakeholders from all walks of life—government bodies, industry leaders, educational institutions—all coming together to create a holistic ecosystem for skill development and education.

While discussing the journey of Skill India Digital from inception to launch, it's vital to recognize how this comprehensive platform is strategically positioned to address and alleviate the prevalent challenges within the skilling and education ecosystem.



At its core, Skill India Digital is about accessibility and inclusivity. It's a unified platform that brings together a multitude of skilling schemes, making it a one-stop destination for anyone looking to enhance their skills. One of Skill India Digital's standout features is its user-friendly design, ensuring that it's accessible across various devices and accommodating multiple Indian languages. This adaptability is crucial in a diverse nation like India, where seamless access to skill development is a priority. The platform puts the power of learning in the hands of users, with easy mobile number-based registration. It leverages the ubiquity of smartphones, offering uninterrupted learning experiences, even on the go.

When it comes to recognition, Skill India Digital takes a revolutionary approach. It offers Digitally Verified Credentials, ensuring the security and authenticity of qualifications. And with Digital CVs featuring personalized QR Codes, sharing and

recognizing qualifications becomes a breeze. One of Skill India Digital's strengths lies in its AI/ML-driven recommendation system, tailoring learning paths based on users' unique strengths and aspirations.



Skill India Digital aims to unify skill development by bringing together training programs from both Central and State governments, creating a comprehensive training repository. Skill India Digital has seamlessly integrated with Digi Locker, providing a secure and digital repository for essential documents and certificates, including HSC, SSC, graduation, and post-graduation marksheets/certificates. This integration streamlines processes, saving users valuable time and effort, while significantly bolstering the credibility and portability of their educational achievements. For businesses, Skill India Digital simplifies processes through real-time integrations with systems like PAN, TAN, and GST, streamlining operations and compliance.

The platform even helps users explore opportunities in their vicinity through the Skill India Map, using geotagging to visually represent skill-related resources. The GIS-enabled tool helps candidates find skill centers including Skill Universities, Fee-Based Centers, Industrial Training Institutes, Polytechnics, JSS Centers and PMKVY Centers. One can also find schools and higher educational institutions as Skill India Digital is integrated with UDISE and AISHE.

“

“At NSDC, we are building on top of Aadhar and UPI. The real transformation for the country happens when people are able to upskill themselves. So, over the last one year, we have built the Skill India Digital stack. It creates a national registry for skills and skilled professionals. It provides an opportunity for every citizen of the country to publish their digital credentials and gives confidence to any potential employer across the world since it comes with NSDC's backing.”

”

Ved Mani Tiwari  
Officiating CEO,  
National Skill Development Corporation

## Launch of Skill India Digital

On September 13, 2023, The Ministry of Skill Development and Entrepreneurship launched the Skill India Digital Platform to bring all skilling initiatives under a single umbrella. The event was held at the newly constructed Kaushal Bhawan at New Moti Bagh which houses all the offices under the Ministry of Skill Development and Entrepreneurship. The esteemed dignitaries on the dais included Shri Dharmendra Pradhan, Hon'ble Union Minister of Education and Skill Development and Entrepreneurship, Shri Rajeev Chandrasekhar, Hon'ble Minister of State, Skill Development and Entrepreneurship, and, Electronics and Information Technology, Shri Atul Kumar Tiwari, Secretary of Ministry of Skill Development and Entrepreneurship, Shri Sanjay Kumar, Secretary of Ministry of Education, Shri Nirmaljeet Kalsi, Chairperson of the National Council of Vocational Education and Training, Shri M. Jagadesh Kumar, Chairperson, University Grants Commission, Professor Anil Sahasrabudhe, Chairperson, National Education Technology Forum and Shri Ved Mani Tiwari, Officiating Chief Executive Officer, National Skill Development Corporation.

The launch ceremony also included the signing of MOUs with esteemed industry partners including AICTE, CBSE, NIELIT, Infosys, Microsoft, AWS (Amazon), RedHat, Wadhvani Foundation, UNICEF, Future Skills Prime, SAP, Pearson, CISCO and Tech Mahindra Foundation.



**Shri Dharmendra Pradhan**  
Union Minister for Education and  
Skill Development & Entrepreneurship

"MSDE has created an open-source platform to address the skilling needs of India's diverse demography. Skill India Digital is one more step towards harnessing our demographic dividend and establishing India as a global skills hub. Skill India Digital is designed to meet the evolving needs of India's diverse populace, including its 260 million students. It aims to build a skilled, empowered, and future-ready India. A revolution in learning and skill development, Skill India Digital will enable skilling for all, anywhere, anytime."



**Shri Rajeev Chandrasekhar**  
Minister of State  
Skill Development and Entrepreneurship  
and Electronics, and Information Technology

"Skill India Digital is at the intersection of two of the most important components of PM Modi Ji's vision for New India - Skill India and Digital India. These are powerful schemes with the sole objective of preparing the youth with future-ready skills. In the post-covid world, there is tremendous awareness of digital skills, and Skill India Digital will enable entrepreneurship and a future-ready workforce. I congratulate the team for their hardwork and dedication."



**Shri Atul Kumar Tiwari**  
Secretary  
Ministry of Skill Development and  
Entrepreneurship

"It is a momentous day for all of us in the government as we are about to launch Skill India Digital as India's Digital Public Infrastructure for the skilling ecosystem. We have benefitted by collaborating with the education ecosystem. This public investment will position skilling as a competitive advantage in our ambition to attain developed nation status on the world stage in 2047."



**Shri Anil Sahasrabudhe**  
Chairman  
National Educational Technology Forum

Skill India Digital is an excellent initiative for engaging our youth to get skilled and become employable and entrepreneurial so that some youth from rural and remote areas apart from those from towns and cities not only get good jobs but create startups and provide employment to others. Best wishes for getting more and more students to get on board ; sign for APAAR ID and record their earned credits in Academic bank of credits.



**Shri Nirmaljeet Singh Kalsi**  
Chairman  
National Council for Vocational Education  
and Training

Digital Transformation in Skilling and Education industry helps provide flexibility in course/ qualification structures, teaching and learning, access from a remote location and allows students to learn anytime and anywhere. Digital transformation allows for a more realistic assessment of students and learners and helps teachers and parents track their progress.

## Impact and Way Forward

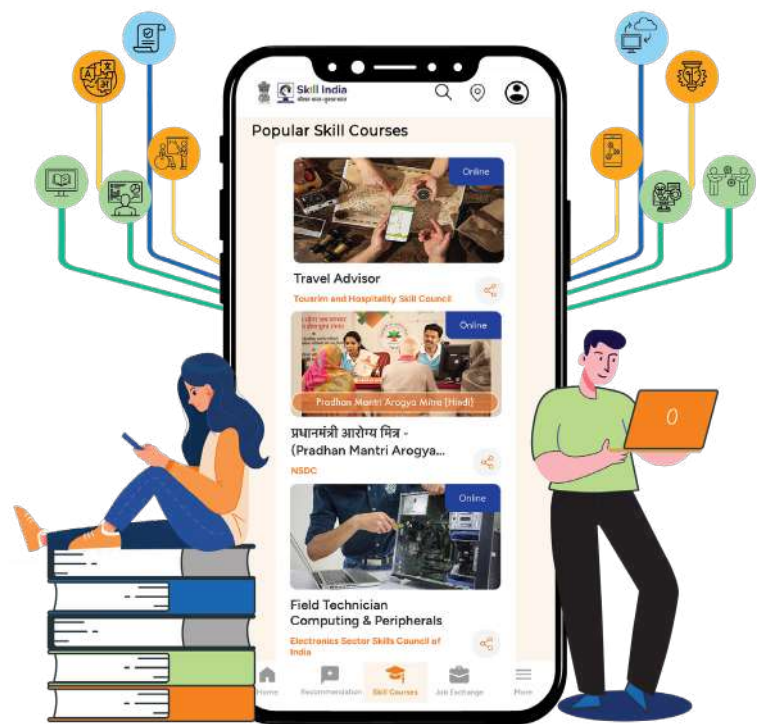
Skill India Digital is poised to have a transformative impact on India's skilling and education landscape.

First and foremost, Skill India Digital is expected to democratize skilling. By providing access to diverse skill development opportunities to every citizen, regardless of their location, background, or circumstances, it will bridge the gap between aspiration and achievement.

In the broader context of India's digital journey, Skill India Digital's alignment with Digital India and National Education Policy, emphasizes its role in the nation's digital transformation. The journey of Skill India Digital is just beginning, and the path ahead is one of immense promise and potential. As we look forward, the focus remains on accessibility, quality, and adaptability.

Expanding access to skilling opportunities is paramount. Skill India Digital aims to reach every corner of the nation, ensuring that even those in remote regions have access to world-class training. The platform's commitment to quality remains unwavering. It will continue to evolve its offerings, ensuring that users have access to the latest and most relevant skills demanded by the job market.

Lifelong learning is the new norm, and Skill India Digital embraces this reality. The future will see an even more diverse range of programs, encouraging upskilling and reskilling throughout one's career. The strong link between skills and employability will be further solidified, creating more job and apprenticeship opportunities. Skill India Digital's journey is one of constant innovation, data-driven insights, community building, and global integration.



“

"Skill India Digital is a confluence of innovation, accessibility, and inclusivity aimed at nurturing a skilled and future-ready India. By converging the world of skill, education, and work under a unified digital platform, we're not only facilitating seamless access but also fostering a culture where learning, skilling, and career progression is holistic. Furthermore, by offering trusted credentials to both individuals and entities, the entire ecosystem is poised to be more transparent, efficient, and equitable. Through Skill India Digital, we hope to ensure that every citizen, regardless of their geographical, economic, or social background, has the power to script, organize, and strengthen their journey of professional growth and career advancement."

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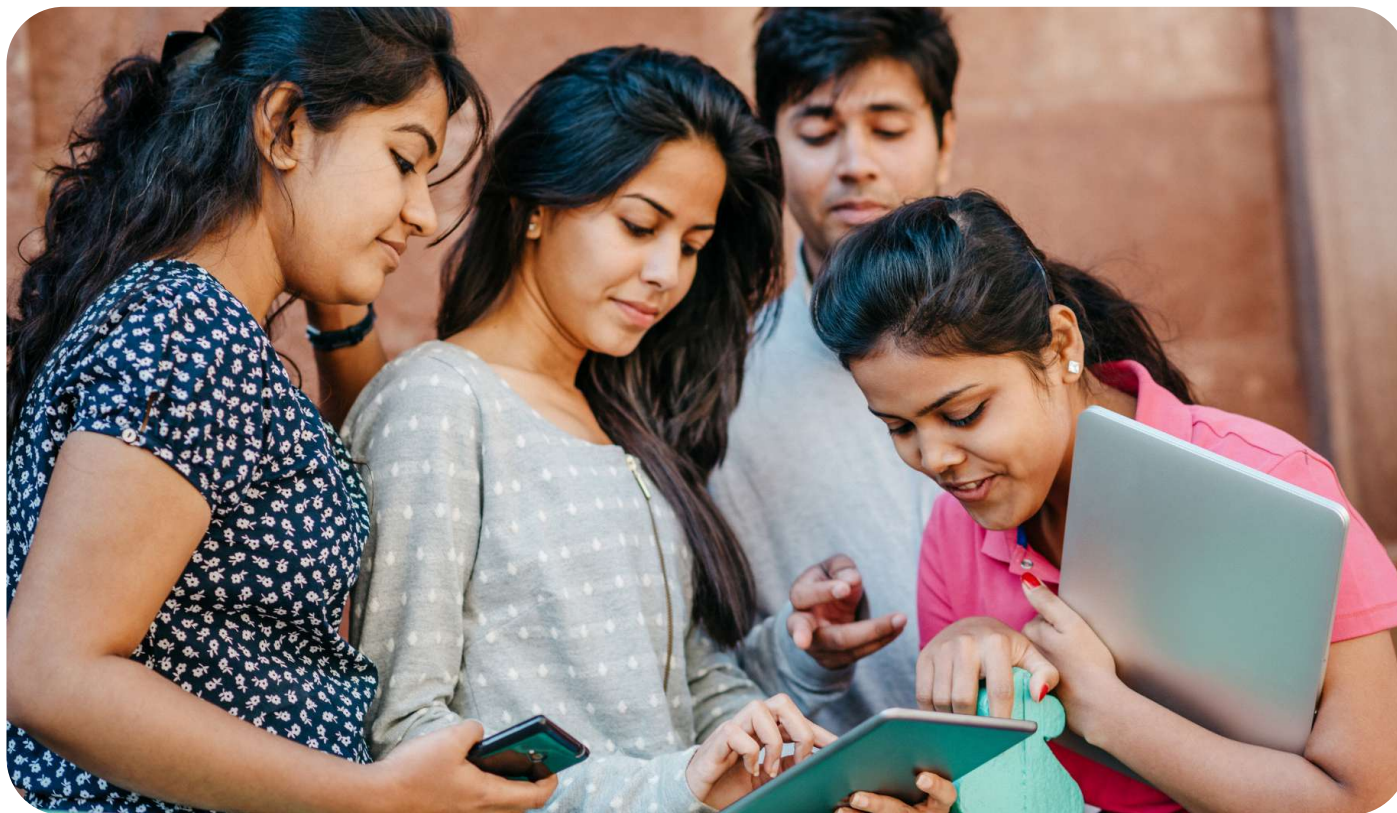
Ms. Shreshtha Gupta  
Vice President, IT & Digital,  
National Skill Development Corporation (NSDC)

The stories of individuals whose lives have been transformed by this platform are just the beginning. As Skill India Digital continues to evolve and expand its offerings, its impact will reverberate across India, leaving a legacy of skills, knowledge, and opportunity for generations to come.

The enduring impact of Skill India Digital lies in its potential to contribute to a more skilled and empowered India. By providing a platform that facilitates learning and career growth, Skill India Digital can help shape a future where skills are readily available, opportunities are accessible, and lifelong learning is encouraged.



## SKILLING THE FUTURE – A BILLION DIGITAL DREAMS



The Honourable Prime Minister Shri Narendra Modi has given a clarion call to make India a developed nation by 2047, on the 100th anniversary of our independence. We are the fifth largest economy in the world, and there is no doubt that we will be the second or the third in 2047. Our median age is 28 years, a full decade lower than that of China, which makes us the youngest nation in the world. This demographic dividend implies that every fourth or fifth new entrant into the global workforce in the next 25 years will be an Indian. We have a unique opportunity to create an equitable and prosperous society, enabling every Indian to realize their true profession.

### The Skilling Imperative

While being an enormous advantage, India's demographic dividend also presents a pressing challenge. The critical task is to equip them with skills that position them as global frontrunners. Skill India, having made commendable strides in this direction, highlights the impact of well-orchestrated skill development programs. And now, with the dawn of the digital age, we've taken the next big leap with Skill India Digital.

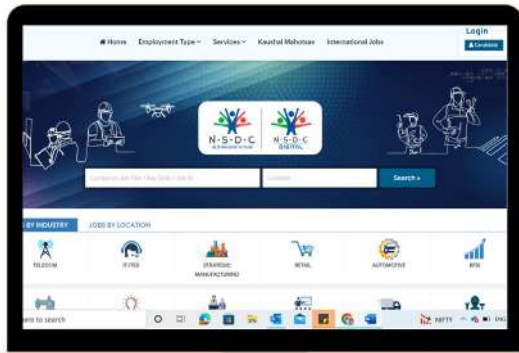
Skill India Digital is the vanguard of India's Digital Public Infrastructure in the skilling landscape. Pioneering a mobile-first strategy, it is meticulously tailored to cater to the diverse aspirations of Indian citizens. More than just a government platform, Skill India Digital integrates various government-driven and privately managed skilling and entrepreneurship endeavors, offering a centralized hub for those keen on propelling their careers and continuous learning. Through it, we are charting the path towards a skilled, empowered, and forward-looking India. The platform introduces digitally verifiable credentials, ensuring that every certificate and skill acquired can be trusted and validated

effortlessly. NSDC Trust is a robust digital vault that safeguards individuals' diverse credentials, including personal, financial, educational, background, utility, and business information. It ensures the authenticity of these credentials by liaising with pertinent agencies. It focuses on user autonomy, wherein individuals can share their verified credentials, customizing what they share based on their consent. By seamlessly interfacing with relevant verification agencies, NSDC Trust not only assures the authenticity of information but also significantly streamlines processes, offering both convenience and control to its users. Recognizing today's digital demands, it also provides QR Code-enabled sharing for users to share relevant information with potential employers.

### Integrating the Informal Workforce

India's informal workforce is an integral economic pillar. Linking platforms like e-Shram and the Employees' Provident Fund Organization (EPFO) to the skilling system is a crucial beginning. However, capitalizing on the potential of this workforce is multi-dimensional. Firstly, although digital platforms can fill the information void, effectively integrating them requires addressing several challenges. These include understanding concerns about formalization, ensuring users see clear advantages from the integration, and safeguarding their rights and benefits. Secondly, more than just information dissemination, there's a need for tools and initiatives that incentivize this workforce to join the formalized system and evolve their economic stature. Collaborative projects involving the government, industry bodies, and NGOs should be proactive, establishing trust and demonstrating tangible benefits to these workers, especially in transitioning from daily wage roles to owning businesses.

## Linking Employment



India's workforce is vast and multifaceted. Our staffing ecosystem is expansive and poised for rapid growth. Tentative industry projections suggest that contingent labour might comprise a significant section of India's formal employment sector by 2025. In the era of the gig economy, talent marketplaces offer innovative means to scout and onboard suitable candidates. Harnessing the capabilities of talent marketplaces is no longer an option, but a strategic imperative for enterprises looking to capitalize on this human capital. Platforms akin to NSDC-JobX, under the aegis of NSDC Digital, envision curating a tailor-made, intelligent, and data-informed talent matchmaking experience designed to offer job aspirants a pathway carved in accordance with their skills, past experiences, and future ambitions. Essentially, such platforms are holistic solutions that seamlessly blend the needs of recruiters with the aspirations of job seekers.

## Leveraging Online Learning

India's educational journey stands as a testament to the nation's adaptability and resilience, having evolved from revered gurukuls to robust digital landscapes. The transformative essence of this journey received further impetus from the National Education Policy (NEP) 2020, which places strong emphasis on skills and vocational training, positioning learners to proficiently address the challenges of the 21st century. In this context, NSDC Academy's vision resonates deeply with the goals of the NEP. It underscores the significance of leveraging digital learning innovations to enhance outreach, quality, and impact, while also supporting career pathways and smooth transitions for learners.

## Building a Collaborative Ecosystem

India's digital transformation hinges on a united front, where every stakeholder plays a role. Learners need access to knowledge, trainers must adapt to modern teaching methods, and employers should efficiently scout for talent. Entrepreneurs can pioneer solutions; content providers ensure relevant materials and

financial institutions underpin these initiatives. For this synergy to unfold seamlessly, we need an ecosystem that facilitates effortless interaction among these stakeholders. Actionable steps such as creating forums for stakeholder dialogue, setting up collaborative digital infrastructure, and fostering partnerships among educators, technologists, and financiers can ensure more meaningful interactions.

The aspiration to transform India into a developed economy is not merely about numerical growth but entails a holistic and inclusive advancement of society. The epicenter of this progression lies in the empowerment of its last mile – the sections of society that often remain neglected and devoid of opportunities. In a global economy, where technology is at the forefront, having a workforce that is adept and agile is a prerequisite. Therefore, digital skill development programs should be attuned to industry needs, ensuring that the workforce is equipped to effectively contribute to the country's economic growth. Furthermore, targeting skill development initiatives toward women and the Economically Weaker Sections (EWS) is crucial. Specific initiatives, whether through financial incentives, women-centric digital learning, or community-based digital training for the EWS, are crucial. In this regard, India's Direct Benefits Transfer (DBT) initiative epitomizes transparency and efficacy. More focused programs targeting these demographics can ensure they are not left as mere bystanders to progress.



Digital avenues not only enable widespread coverage, even in remote areas, but also enhance personalization. NSDC Digital must foster a cohesive skilling ecosystem, ensuring smooth transitions from learning, and skilling to employment or entrepreneurship. The digital pivot isn't just about impact; it's about amplifying that impact and celebrating the successes while constantly iterating to improve.

The journey towards a developed nation by 2047 requires concerted efforts in skill development, integrating the informal workforce, and building a collaborative ecosystem. The future is bright, and with the right skilling initiatives, India can make a billion digital dreams come true.



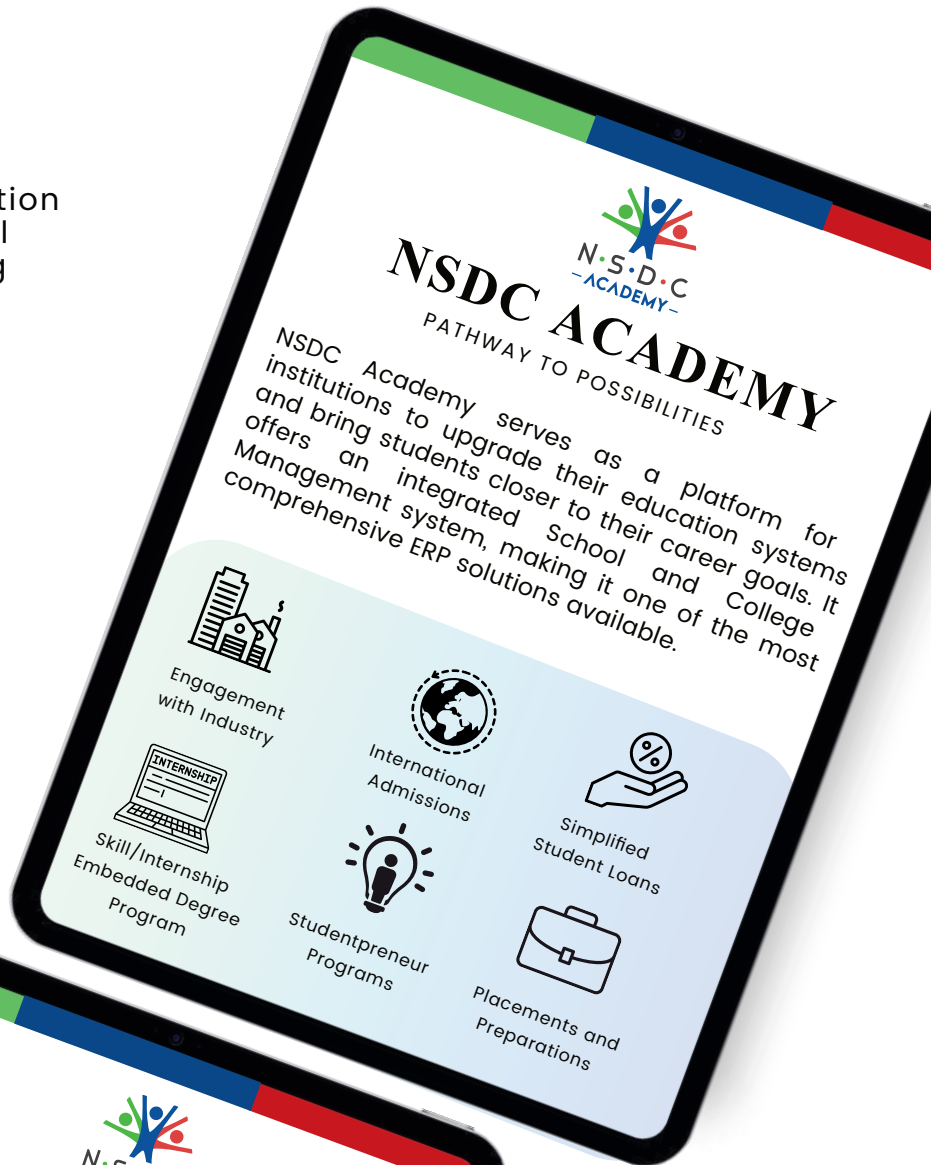
### Ms. Shreshtha Gupta

Vice President, IT & Digital, National Skill Development Corporation (NSDC)  
Director & Chief Technology Officer (CTO), National Skill Development Corporation International (NSDCI)

# NSDC DIGITAL PRODUCT SUITE



National Skill Development Corporation introduces 7 game-changing digital products to revolutionize the skilling and employment ecosystem.



### NSDC INSIGHTS

NSDC Insights aids users in making informed decisions. It performs skill-gap analysis, provides insights into future job roles and market trends, benefiting various industry sectors in India and abroad.

- Impact Studies
- Skill Gap Reports
- Skilling Data Trends

### NSDC JOBX

With the aim of connecting job seekers with their desired employment opportunities, NSDC JobX offers a streamlined and user-friendly platform for job seekers and employers. In today's competitive job market, such a platform simplifies the job search process and helps employers find the right talent efficiently.

- Jobs Aggregator Platform
- International Job Opportunities
- Talent Management Module
- Intelligent Job Matchmaking
- Employability Enhancer Modules
- Competency Based Job Listings

### NSDC TRUST

NSDC Trust introduces a Digitally Verified Credential service based on a Verification-as-a-Service model. It provides a one-stop solution for hassle-free digital verification of individuals' or entities' identities. It offers identity checks and cross-referencing of information, promoting trust in the skilling ecosystem.

- Verification-as-a-Service
- App-Based Toolkit (Plug and Play APIs)
- Secure Sharing & Storage of Credentials
- Detects data mismatches across credentials



# SKILLS & EDUCATION @G20



## G20 NEW DELHI LEADER'S DECLARATION

### Preparing for the Future of Work

“We commit to addressing skill gaps, promoting decent work and ensuring inclusive social protection policies for all. Towards this aim, we:

- \* Recognize that well-integrated and adequately skilled workers benefit origin and destination countries alike and commit to working towards ensuring well-managed, regular and skills-based migration pathways.
- \* Welcome efforts to map global skill gaps and the development of the G20 policy priorities to address skill gaps globally, including through further strengthening our national statistical data, extending the coverage of the ILO and OECD Skills for Jobs Databases to G20 countries, as appropriate. We commit to effectively addressing global skills for sustainable and inclusive economic development.

- \* Commit to consider the development of an international reference classification of occupations by skill and qualification requirements to facilitate cross-country comparability and mutual recognition of skills and qualifications.
- \* Welcome the comprehensive toolkit with adaptable frameworks for designing and introducing digital upskilling and reskilling programmes.
- \* Aim to achieve sustainably financed universal social protection coverage and consider portability of social security benefits through bilateral and multilateral agreements.
- \* Support progress on the implementation of the UN Global Accelerator on Jobs and Social Protection for Just Transitions.
- \* Acknowledge the economic significance and societal value of the cultural and creative sector to support inclusive growth, sustainable development, and decent work.
- \* Ensure adequate social protection and decent working conditions for gig and platform workers.
- \* Will increase our efforts for the elimination of child labour and forced labour along global value chains

## Delivering Quality Education

We are committed to inclusive, equitable, high-quality education and skills training for all, including for those in vulnerable situations. We recognize the importance of investment in supporting human capital development. To this end, we:

- \* Recognize the importance of foundational learning (literacy, numeracy, and socioemotional skills) as the primary building block for education and employment.
- \* Reiterate our commitment to harness digital technologies to overcome the digital divides for all learners.
- \* Extend support to educational institutions and teachers to enable them to keep pace with emerging trends and technological advances including AI.
- \* Emphasize expanding access to high-quality Technical and Vocational Education and Training (TVET).
- \* Reaffirm our commitment to promote open, equitable and secure scientific collaboration and encourage mobility of students, scholars, researchers, and scientists across research and higher education institutions.
- \* Emphasize the importance of enabling life-long learning focused on skilling, reskilling, and upskilling especially for vulnerable groups.”

## GLOBAL COMMITMENT TO EDUCATION AND SKILLS: G20'S VISION FOR THE FUTURE OF WORK



In an era marked by rapid technological advancements, evolving job markets, and global interconnectedness, the intersection of education, skills, and work has never been more critical. The recently concluded G20 Summit has underscored the critical role of education and skill development in shaping the future of nations. Ideas were exchanged on strategies for fostering quality education. Their discussions have yielded crucial insights and commitments.

The ideas, insights and resolutions from these discussions have been captured in the two documents namely: the G20 Education Working Group Outcome Report and the New Delhi Leaders' Declaration. Together, these documents provide a comprehensive vision for preparing individuals for the future workforce and ensuring inclusive access to quality education.

One of the most striking outcomes of the G20 Education Working Group Meetings is the acknowledgment of the need for a comprehensive skill set that prepares individuals for an increasingly technology-driven world. G20 nations have recognized the importance of equipping individuals with a broad skill set. This includes digital and environmental literacy, cognitive abilities, financial understanding, citizenship engagement, and proficiency in science, technology, engineering, arts, and mathematics (STEAM). This holistic approach prepares individuals for a technology-driven, environmentally sustainable future.

The influence of artificial intelligence (AI) on education and learning methods was taken due note of. Governments worldwide are actively working to adopt strategies that facilitate the fair and inclusive integration of AI into educational and skill development

initiatives. This recognition of the transformative power of AI highlights the commitment to harnessing technological advancements for the benefit of all learners.



Commencement of 3rd EWG Meeting at Bhubaneswar

The G20 Education Working Group emphasizes the importance of adaptable, continuously evolving career paths that revolve around skill acquisition, re-skilling, and upskilling. Equal access to training opportunities is a focal point, with a special emphasis on marginalized and underrepresented groups. Initiatives to expand access to higher education and top-notch technical and vocational education and training (TVET) programs are being launched. These initiatives are designed to create digital learning environments that meet the demands of both the labor market and society at large.

## Collaborative Efforts and Key Agreements



Exploring the Future of Work Exhibition

The G20 nations have reached key agreements aimed at fostering collaboration and innovation in education and skill development.

1. **Micro-credentials:** G20 nations will exchange successful methods for developing micro-credentials that recognize various means of acquiring skills and training, regardless of when or where they were acquired.
2. **Uniform norms:** There is a commitment to explore the feasibility of uniform norms for the presentation, credentialing, and quality assurance of skill assessments. This ensures that skill assessments are standardized and trusted across borders.
3. **National learning management systems:** Best practices in national learning management systems that provide digitized credentials will be shared, facilitating easier access to and verification of skills.
4. **Interoperability of credential databases:** The nations will examine issues related to the interoperability of credential databases, including privacy and security. This will enable enhanced collaboration among employers, education and training providers, and governments to verify and validate skills and credentials seamlessly.

The New Delhi Leaders' Declaration further builds upon the G20 Education Working Group's commitment and introduces additional critical elements.

Leaders committed to addressing skill gaps and promoting decent work. They recognized that well-integrated and adequately skilled workers benefit both origin and destination countries. This

commitment emphasizes the importance of well-managed, regular, and skills-based migration pathways. Efforts to map global skill gaps and develop policy priorities are welcomed. Extending the coverage of the ILO and OECD Skills for Jobs Databases to G20 countries aims to address skill shortages on a global scale, fostering sustainable and inclusive economic development.

The comprehensive toolkit for designing and introducing digital upskilling and reskilling programs aligns with the transformative potential of digital technologies. It emphasizes the commitment to preparing individuals for the digital age.

Commitments to inclusive, equitable, high-quality education and skills training underscore the importance of foundational learning, digital technology adoption, support for educators, and access to Technical and Vocational Education and Training (TVET).

The National Skill Development Corporation (NSDC) has played the role of a knowledge partner in the G20 Education Working Group and Employment Working Group. Working with the Ministry of Skill Development and Entrepreneurship, Ministry of Education, and Ministry of Labour and Employment, the experience has enriched NSDC's knowledge base and will contribute to the organization's ongoing efforts to enhance skill development programs in India.



MSDE showcases Skill India Digital at Future of Work Exhibition

This partnership has provided an opportunity for NSDC to broaden its perspective and deepen its understanding of global approaches to education and skill development. The experience has reinforced the importance of inclusivity, collaboration, and the role of technology in shaping the future of education and skills. NSDC remains committed to applying these lessons to its mission of skilling India's workforce for a brighter future.



### Dr. Maneesh Mishra

Executive Vice President and Head – WorldSkills India, NSDC

He has extensive experience in consulting, program management, education, skill development sustainability.



# POLICY BITES



## EXHIBITION AND LAUNCH OF "PM VISHWAKARMA" SCHEME BY SHRI NARENDRA MODI FOR TRADITIONAL ARTISANS AND CRAFTSMEN.

PM Vishwakarma Kaushal Samman Yojna was launched on 17th Sept by Shri Narendra Modi on Vishwakarma Jayanti at India International Convention & Expo Centre in Delhi. The scheme will provide end-to-end support to artisans and craftspeople who work with their hands and tools. The Scheme covers artisans and craftspeople engaged in 18 trades. There are various provisions through which the beneficiaries will be supported like recognition through PM Vishwakarma ID card and Certificate, basic training of 5-7 days, and advance training of 15 days (about 2 weeks) or more with stipend of Rs.500 per day, an incentive for tool kit of up to Rs. 15000, credit support of 3 lakhs in two tranches.

## SEMICONDUCTOR GIANT AMD TO INVEST \$400 MILLION IN INDIA AND SET UP A CAMPUS IN BANGALORE.

AMD recently announced plans to invest \$400 million to expand research and development and engineering operations in India. The planned investment will include a new India campus, which will serve as AMD's largest R&D facility in the world. Investment is expected to create the largest AMD design center with the addition of approximately 3,000 engineering roles. This will provide enormous opportunities for large pool of highly skilled semiconductor engineers and researchers in India. The investment is supported by various policy initiatives of the Central Government, focusing on the semiconductor industry.

## MSDE AND MOE COLLABORATE WITH IBM TO DEVELOP COURSE AND SCALE UP DIGITAL SKILLS TRAINING IN INDIA

The partnership will center on co-creating educational curricula and providing access to IBM's learning platform, IBM SkillsBuild, to equip learners in the fields of school education, higher education, and vocational skills with knowledge in emerging technologies such as AI (including generative AI), cybersecurity, cloud computing, and professional development skills. IBM will extend access to the digital resources available on IBM SkillsBuild to high school students, teachers, and trainers, with a focus on schools identified by organizations like Navodaya Vidyalaya Samiti (NVS), National Council for Teacher Education (NCTE), and Kendriya Vidyalaya Sangathan (KVS).

IBM will also continue its central partnership with MSDE and work with the Directorate General of Training and respective state vocational education and skilling departments to onboard, job seekers, including long term unemployed, and school dropouts to IBM SkillsBuild.

## NSDC SIGNS MOUS WITH INDUSTRY PARTNERS TO ADVANCE DIGITAL SKILLING

Several MoUs were exchanged this month with leading organizations to advance digital skilling, fostering industry participation, and enhancing learner engagement, including AICTE, CBSE, NIELIT, Infosys, Microsoft, AWS (Amazon), RedHat, Wadhvani Foundation, UNICEF, Future Skills Prime, SAP, Tech Mahindra Foundation and upGrad.

## NCVET APPROVED 206 NEW QUALIFICATIONS

206 Qualifications approved in 31st meeting of National Skill Qualification Committee (NSQC) held on 31st August 2023.



**SHRI DHARMENDRA PRADHAN LAUNCHED 3-YEAR PARTNERSHIP WITH META: EMPOWERING EDUCATION TO ENTREPRENEURSHIP**

“Education to Entrepreneurship” is a 3-year partnership between the Ministry of Education (MoE) and Ministry of Skill Development and Entrepreneurship (MSDE) and META. This partnership was launched by Shri Dharmendra Pradhan and according to him “Education to Entrepreneurship” will take Digital Skilling to grassroots, seamlessly connect students, youth, workforce and micro-entrepreneurs with futuristic technologies. 3 Letters of Intent (LoI) were exchanged between META and NIESBUD, AICTE and CBSE. 5 Lakhs entrepreneurs will get access to digital marketing skills by META over next 3 years in 7 regional languages.

**PM DAKSH PORTAL- SKILL DEVELOPMENT INITIATIVE FOR PERSONS WITH DISABILITIES**

The Government of India has introduced the PM DAKSH-DEPwD Portal, a comprehensive digital platform dedicated to empowering Persons with Disabilities on their journey towards skill development and employment opportunities.

This portal offers a user-friendly experience with easy registration through the Unique Disability ID (UDID), access to location-based training options, a wide range of job listings from all over India and streamlined administrative processes.

DEPwD aims to onboard 25,000 job vacancies for people with disabilities on the PM DAKSH-DEPwD portal in the future.

**AICTE SIGNS MOU WITH MICROSOFT TO DEVELOP SKILLS AMONG STUDENTS**

All India Council for Technical Education (AICTE) and Microsoft have signed a Memorandum of Understanding (MoU) aiming to create skill and job readiness for students and educators associated with AICTE and its partner institutions through a wide array of learning paths, technical and role-based certifications and experiences in areas including AI, cloud, data science, data analytics, and security.

Under the MoU, Microsoft will integrate Microsoft Learn, the company’s centralized training and skilling platform to complement AICTE’s existing curriculum and offer students hands-on experience with Microsoft technologies.



**MSDE & CSCS COLLABORATION FOR SCALING UP APPRENTICESHIP TRAINING ECOSYSTEM**

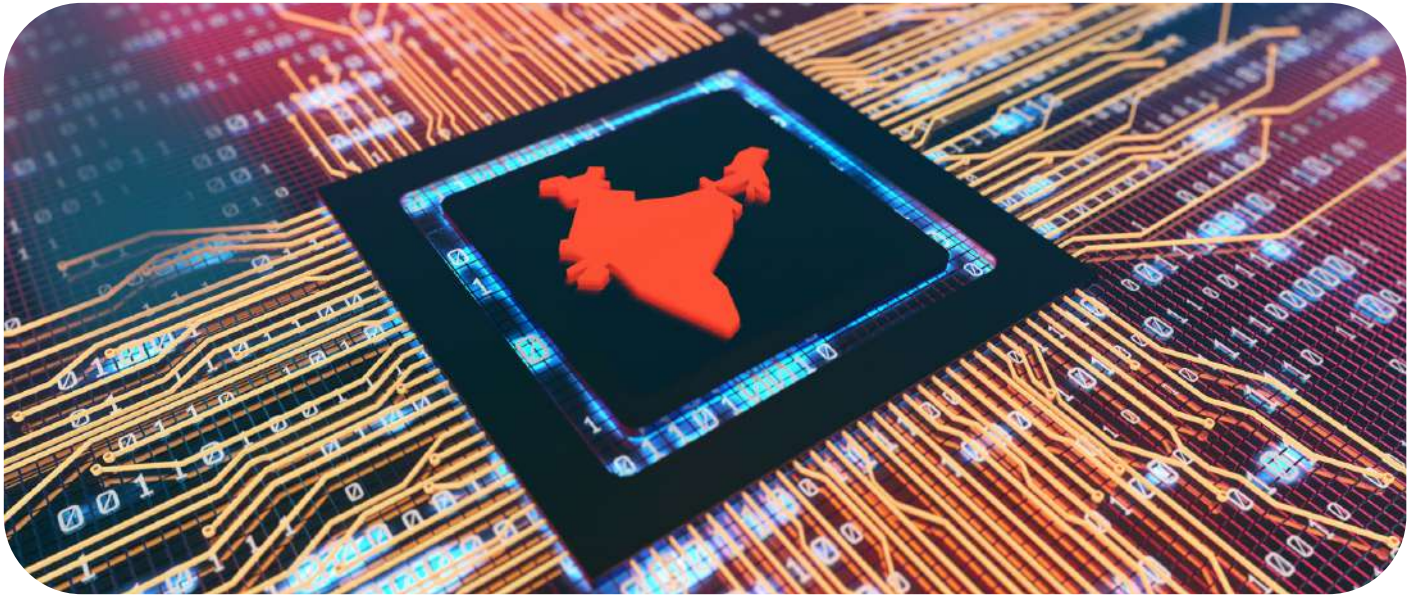
In an effort to expand apprenticeship training in rural regions, Shri Rajeev Chandrasekhar, Minister of State for Skill Development and Entrepreneurship, Electronics & IT, presided over a significant event. This event marked the formal exchange of a joint declaration between the MSDE and Common Service Centres (CSCs) – Special Purpose Vehicle (SPV). Under this collaboration, CSCs will undertake the responsibility of annually training 40,000 apprentices. These opportunities will be extended to young individuals residing in the vicinity of local CSCs, including students from Industrial Training Institutes (ITIs) and beneficiaries of Jan Shikshan Sansthan (JSS).

**TECHNOLOGY AND BHARTIYA BHASHA SUMMIT**

A two day mega summit on the theme “Technology and Bhartiya Bhasha” Summit was held on 30th September and 1st October 2023, organized by the Department of Higher Education, Ministry of Education. The event was inaugurated by the Union Minister Shri Dharmendra Pradhan. A technical session was chaired by the Secretary, Ministry of Skill Development and Entrepreneurship, Shri Atul Kumar Tiwari. The session touched upon topics including vocational education through bhartiya languages, leveraging technology like AR, VT/MVT for immersive learning through bhartiya languages and training AI models through bhartiya languages.



## SEMICONDUCTOR INDUSTRY IN INDIA: SIGNIFICANCE AND CHALLENGES



The Indian semiconductor industry stands at the crucial stage of transformation, poised for significant growth and influence on the global stage. The journey towards self-reliance in semiconductor & components manufacturing will be challenging, but it's essential for India's economic resilience and technological sovereignty. With encouraging Govt. policies, Industry investment & collaborations, Workforce Development strategies, reducing reliance on imports, and nurturing a robust semiconductor ecosystem, India can become a pivotal player in the global semiconductor supply chain.

As per the research report of India Electronics & Semiconductor Association (IESA) India's semiconductor market to value about \$64 billion by 2026, showing three times growth from US\$22.7 billion in 2019. Two-thirds of this market value will be created by the country's telecom stack and industrial applications. India has a favorable cost structure for semiconductor manufacturing, compared to other developed countries.

The semiconductor industry is divided into fables, which deal with design and fabrication and semiconductor foundries, which manufacture the final microchip. There are three types of semiconductor design: very-large-scale integration (VLSI), embedded software and electronic design automation (EDA).

### Key factors for the growth of Semiconductor Market in India

#### I. Government Support

The Indian government has made semiconductor manufacturing a top priority and is offering several incentives to attract semiconductor companies to India. In the past year, there has been a significant increase in investments and announcements from semiconductor companies. Additionally, the government has taken steps to develop the ecosystem for the semiconductor industry, such as by setting up semiconductor parks and programs for providing training to engineers and technicians.

**Launch of India Semiconductor Mission (ISM) in 2021** is a specialized and independent Business Division within the Digital India Corporation that aims to build a vibrant semicon-

ductor and display ecosystem to enable India's emergence as a global hub for electronics manufacturing and design. Led by global experts of the Semiconductor and display ecosystem the mission aims to serve as a focal point for the comprehensive, coherent, efficient, and smooth deployment of the Program for Development of Semiconductor and Display Ecosystem in consultation with the Government ministries / departments / agencies, industry, and academia.

The Union Cabinet had approved the comprehensive Semicon India programme with a **financial outlay of INR 76,000 crore** for the development of a sustainable semiconductor and display ecosystem in 2021. Semicon India Program aims to provide attractive incentive support to companies / consortia that are engaged in Silicon Semiconductor Fabs, Display Fabs, Compound Semiconductors / Silicon Photonics / Sensors (including MEMS) Fabs, Semiconductor Packaging (ATMP / OSAT) and Semiconductor Design.

**On September 21, 2022, the Cabinet, chaired by Prime Minister Narendra Modi, approved key modifications to the Program for Development of Semiconductors and Display Manufacturing Ecosystem in India:**

1. Fiscal support of 50 percent of project cost on pari-passu basis for all technology nodes under Scheme for Setting up of Semiconductor Fabs in India.
2. Fiscal support of 50 percent of project cost on pari-passu basis under Scheme for Setting up of Display Fabs.
3. Fiscal support of 50 percent of capital expenditure on pari-passu basis under Scheme for Setting up of Compound Semiconductors / Silicon Photonics / Sensors Fab and Semiconductor ATMP/OSAT Facilities in India. Additionally, target technologies under the Scheme will include discrete semiconductor fabs.

Ministry of Electronics & Information Technology has inaugurated the first-ever Semicon India 2022 Conference under India Semiconductor Mission in Bengaluru.



## II. Growing Demand

The demand for semiconductors in India is growing rapidly, driven by the growth of the electronics sector and the adoption of new technologies such as 5G and artificial intelligence.

**In June 2023, Micron Technology** announced that it would invest \$2.75 billion and will establish its ATMP (Assembly, Test, and Packaging) plant spanning 1.4 million square feet in Sanand, Gujarat.

**Sahasra Semiconductor** which is part of India's Scheme for Promotion of Manufacturing of Electronic Components and Semiconductors (SPECS), has stated that it will begin the commercial production of the first made-in-India memory chips at its Bhiwadi plant. The company intends to package basic memory products like MicroSD cards and chip-on-board, to be followed by advanced packaging of products like internal memory chips.

**Advanced Micro Devices (AMD)**, a major US semiconductor chip design company, has plans to invest up to US\$400 million in India over the next five years. AMD aims to establish its largest design facility in Bengaluru, expanding its office presence to 10 locations in the country.

**Keynes Technology** has announced to set up a semiconductor plant worth Rs 2800 crore in Telangana. The company has entered into an MoU with the Telangana government to set up an outsourced semiconductor assembly and testing (OSAT) and integrated semiconductor manufacturing facility in the state.

## III. Skilled Workforce

India has a large pool of skilled engineers and technicians, which is essential for the semiconductor industry.

Skills/Chip to Startup (C2S) programme will create 85,000 highly qualified global talent over 5 years.

The All-India Council for Technical Education (AICTE) has formulated curricula for UG, diploma and minor degrees in the semiconductor domain in order to meet the industry's talent requirements. Also, recently an expert committee under the chairmanship of Dr. Nirmal Jeet Singh Kalsi IAS (retd) chairman NCVET has been formed to cater the industry demand and create a plan for the capacity building of the industry.

Electronics Sector Skills Council of India (ESSCI) has a dedicated Sub-Sector named as "Semiconductor & Components", where various Market Research/ Skill Gap Studies which gives a comprehensive overview of the Semiconductor Sector have been conducted in 2019 & 2023. Also, we a dedicated NOS (National Occupation Standards) Committee - "India Semiconductor Expert Committee", which includes representatives from illustrious industries & academia has been formed, which aims in developing a roadmap for the future of workforce development in the semiconductor industry. ESSCI has already developed 23 NSQF Aligned Qualifications in the Semiconductor Design & Packaging domains. ESSCI is also planning to set up a Centre of Excellence (CoE) for Semiconductor Design & Packaging skilling domain at Electronics Manufacturing Cluster at Bhiwadi, Rajasthan.

Semiconductors are pervasive and will become much more pervasive. Semiconductors are the brain of digitization. It forms an essential part of all electronic items. It defines how smartly and efficiently we live. As technology advances rapidly and geopolitical landscapes shift, India is determined to foster a thriving domestic ecosystem to achieve self-sufficiency and emerge as a key player in the global semiconductor value chain.



### Dr. Abhilasha Gaur

She is the Chief Operating Officer (COO), and officiating CEO of Electronics Sector Skills Council of India (ESSCI). She is responsible for overseeing the operations of ESSCI and works closely with its Governing Board on strategic issues related to the growth of the Electronics Systems Design and Manufacturing (ESDM) industry in India.

## HCAH LEVERAGES NSDC JOBX: BRIDGING THE EMPLOYMENT GAP

NSDC JobX is a global demand aggregator and a job exchange platform owned by the National Skill Development Corporation (NSDC). Its primary objective is to enhance the job searching process by delivering an interface characterized by seamless user interaction and enriched with pivotal features. The focus is on authenticating job seeker profiles through rigorous verification of mobile numbers and email addresses. Employing cutting-edge digital technologies, NSDC JobX tailors individual career trajectories for job seekers based on their distinct proficiencies, past experiences, and aspirations within the professional realm.



As a recruiter at HCAH (Health Care at HOME), navigating the ever-evolving landscape of talent acquisition, I can affirm that NSDC's JobX is an innovative platform that is making significant impact. In today's highly competitive job market, where finding the right candidates can often resemble searching for a needle in a haystack, JobX provides a ready solution.

### Meeting the Contemporary HR Challenge

Recruitment in the digital age presents a myriad of challenges. Traditional methods of sifting through countless resumes, conducting extensive interviews, and verifying qualifications can be time-consuming and costly. Moreover, the mismatch between job requirements and candidate skills often leads to high attrition rates and employer dissatisfaction. This disconnect has created inefficiencies in the job market, and this is where JobX steps in.

### About HCAH (Health Care at Home)

HCAH is a pioneer in out-of-hospital care services in India, redefining healthcare delivery beyond the traditional hospital setting. Our vision is to enable people to live well by delivering top-tier health outcomes and quality of life outside of hospitals. We aim to lead the market in physical rehabilitation and recovery, elderly care services, and chronic disease management within the next three years.

### The Need for JobX

NSDC JobX's comprehensive suite of features has proven invaluable to HCAH's recruitment process. The platform excels in aggregating demand from diverse sources and seamlessly matching it with a pool of verified, job-ready candidates, making it the perfect fit for HCAH's recruitment needs. JobX further empowers HCAH with the capability to assess the effectiveness of various recruitment techniques and sources, ensuring the most efficient and cost-effective hiring strategies are in place, while also evaluating current and future industry requirements for long-term planning. Moreover, JobX upholds a commitment to fair and

transparent hiring practices, utilizing data-driven insights to mitigate bias and ensure that candidates are evaluated based on their skills and experience, thus fostering a diverse and inclusive workforce. The platform further streamlines the hiring process through advanced algorithms and analytics, expertly matching the right candidates with the right job openings, thereby reducing the time and effort required for recruitment. Additionally, JobX keeps candidates engaged with tailored campaigns and suggests relevant upskilling opportunities, contributing to the ongoing growth and development of HCAH's skilled workforce from anywhere, ensuring that HCAH remains at the forefront of delivering high-quality care services across India.

### A Skill-Centric Approach

NSDC JobX aligns with the Skill India campaign, offering access to individuals who have undergone skill development and training programs run by Govt, State Missions and private partners. This means that as recruiters, we have access to a talent pool that not only possesses the necessary qualifications but also has acquired industry-specific skills. This skill-centric approach significantly reduces the training period for new hires and enhances their productivity from day one.



**Ankit Garg**

Manager, Capacity Building, Health Care At Home

## CELEBRATING SKILL INDIA DIGITAL

### BEST INNOVATIVE PRODUCT OF THE YEAR AWARD BY ECONOMIC TIMES

Skill India Digital was bestowed with the prestigious ‘Excellence in Innovation - Best Innovative Product of the Year’ award by the Economic Times.



### BEST-IN-CLASS PARTNERS



As we navigate this transformative era, Microsoft stands at the forefront, championing the cause of digital education. We really

value our partnership with Skill India Digital to empower the youth with exposure to new technologies such as AI, Cloud, Analytics, Security, etc. At Microsoft, we strongly believe that digital literacy and acumen is not just educational paradigms; they are pathways to a brighter, more inclusive, and innovative future. The partnership with the Skill India Digital transcends beyond the spectrum of technical proficiency, and is deeply rooted in a shared vision to enhance foundational digital literacy and digital productivity skills.

**Dr. Vinnie Jauhari**  
WW Public Sector Education  
Microsoft Corporation



Skill India Digital marks a significant stride in India's progress towards making learning accessible to students/aspirants from diverse backgrounds building bright career prospects and support for budding entrepreneurs. The accelerated digital transformation has open source at its core. Red Hat's partnership on Skill India Digital platform aims to bridge the skill gap with Red Hat industry-relevant skill courses in IT emerging and advanced technologies like Linux, cloud, automation, etc. creating an enterprise-ready workforce. As part of this initiative, Red Hat will be offering NSQF aligned Red Hat Training & Certification courses which are approved as per the National Credit Framework making students eligible to earn academic credits.

**Vikram Motiani**  
Senior Director, Training & Certification  
(Asia Pacific & Japan), Red Hat

**upGrad** As a nation, we are also witnessing higher & wider adoption of digital learning, also orchestrated through the Skill India Digital platform that is committed to skill, reskill and upskilling Bharat with specially curated training programs. In this era, Indian Edtech companies play an indispensable role, strengthening our nation's global presence through their innovative products and solutions. Their contribution aligns perfectly with India's vision of nurturing a workforce with the adaptability and skillset necessary to thrive in a digitally connected global landscape. Other salient features like global collaboration is the bridge that connects our students to the world, enabling them to learn from diverse perspectives.

**Mayank Kumar**  
Co-founder & MD,  
upGrad

### STUDENT TESTIMONIALS

*“I'm excited to have completed my Web Design and Development certification on Skill India Digital! This journey has enriched me with deep insights into web design, covering essential topics like HTML, CSS, JavaScript, and UX principles. Through hands-on projects, I've honed my practical skills and learned to stay updated with current web trends. I am grateful for this learning experience, and eager to keep growing in this field.”*

**Vaibhav Gupta**



*“Celebrating my new certification on International BPO Agent from National Skill Development Corporation. This online skilling course made me know about how BPO agent help customer understand the product and services, answers customer's phone calls and provide support to customers. Also, they focus on creating an exceptional customer experience that helps in customer retention and increases loyalty to their brand.”*

**Sandeep Kumar Singh**





READERS  
SHARE THEIR  
EXPERIENCE

MY DIGITAL  
LEARNING JOURNEY

## #COMMUNITY CHRONICLES

### MEETING GLOBAL PEERS IN FORUMS



**Name:** Shashi Kumar Singh  
**Institute:** ITI PUSA  
**City:** Delhi

I am excited to share my journey with you, particularly my experience with an online English speaking course that I undertook during the pandemic.

During the course, I engaged with individuals from various foreign countries. They shared their experiences, enriching my knowledge and skill set in multiple domains. Such an opportunity for global interaction would have been nearly impossible to access in a traditional physical classroom setting. Drawing from my personal experience, online learning has proven to be extremely convenient.

Traditional classrooms often entail commuting to training centers and adhering to schedules. Online learning liberates us from these constraints, offering the flexibility to log in and complete tasks at our convenience. However, as I adapt to this digital learning landscape, there are aspects of traditional learning that I genuinely miss. The personal interactions and the unique classroom ambiance are irreplaceable.

### SHIFTING TO ONLINE LEARNING

In regular classrooms, students can easily ask questions and get quick answers. It's a lively learning experience where we can freely share our thoughts. Online learning, on the other hand, doesn't offer this kind of interaction. But we can still interact through chats, webinars, emails, and forums.

The best part of online learning is that we can access our study materials anytime we want. It gives us the freedom to learn from anywhere, using any device. We don't have to squeeze into crowded classrooms; we can sit back and comfortably attend online classes.

Online education is a game-changer, especially for students in rural areas who might not have the same access to educational resources. It levels the playing field, giving every student an equal and accessible platform for learning.

However, there are things I miss about traditional, in-person learning. I miss the face-to-face conversations with my friends and teachers.



**Name:** Sagar Thakur  
**Institute:** Learnet PMKK  
**City:** Delhi

### THE POWER OF INTERNET IN REVOLUTIONISING EDUCATION



**Name:** Tikam Singh Banjara  
**Institute:** Indian Institute of Management  
**City:** Raipur

During my time at Jawahar Navodaya Vidyalaya from 2005 to 2012, the world was a very different place in terms of technological accessibility. Back then, we didn't have easy access to gadgets or the internet. The only opportunity we had to use the Internet was during our computer class. However, even during those classes, we weren't particularly familiar with the internet as a whole. Whenever we needed

to find information or research something, our go-to destination was the school library.

To put things into perspective, if I wanted to understand the meaning of an English word, I had to pick up a dictionary that was about 7 centimetres thick. It would take me a good 2 to 3 minutes of flipping through pages to locate the word and its meaning. Fast forward to today, and the landscape has undergone a tremendous transformation. We all carry accessible and affordable mobile gadgets that can provide the meaning of anything with just a single click.

As a member of MGNF, I've participated in many meetings conducted online, and I've witnessed how online platforms have facilitated efficient decision-making and execution of tasks. In the past, without the convenience of online meetings, these processes would have been significantly delayed. Furthermore, I've taken advantage of online courses on platforms like Coursera, which allowed me to expand my knowledge in my free time, without the need to attend physical classes or interfere with my work commitments.

However, it's important to acknowledge that while online learning offers numerous advantages, it also has its drawbacks. One of the most significant downsides is the potential to become complacent and procrastinate. It's easy to delay assignments or not fully engage with the material when there's no physical classroom and teacher to hold you accountable. Additionally, online learning can lead to a sense of isolation. Balancing the benefits and drawbacks of online learning is crucial as we continue to navigate this evolving educational landscape.

# LIFE SKILLS CORNER

**Learning to Learn** noun | [ lur-ning ] | [ too ] | [ lurn ]  
 सीखने के लिए सीखना / पहल करना



**Definition: Learning to Learn** is the ability to pursue and persist in learning, and to organise our own learning, through effective management of time and information. It includes awareness of the learning process, our needs and preferred learning strategies, the strengths and weaknesses of our skills and qualifications; identifying available opportunities; and the ability to overcome obstacles in order to learn successfully. It means gaining, processing and assimilating new knowledge and skills as well as seeking and making use of available guidance and support.

**Learning to Learn** helps us build on prior learning and life experiences in order to use and apply knowledge and skills in a variety of contexts – at home, at work, in education and training. This is an imperative skill to survive and adapt to a constantly changing world.

In the dynamic landscape of the digital age, the emphasis is deeply rooted in the harmonious blend of digital literacy and traditional educational foundations. As we spotlight "Digital Skilling and Education" in this edition, it's imperative to understand the transformative power of digital tools in reshaping the academic and professional trajectories of learners and educators alike. Whether in classrooms or boardrooms, fostering digital competencies is not just about keeping pace with technology; it's about unlocking unprecedented avenues for innovation, inclusivity, and global collaboration.



"Learning to Learn," commonly understood as the capacity to continuously acquire, adapt, and apply knowledge, stands as the bedrock of success in the domain of digital skilling and education. In an era marked by the swift pace of technological advancements, the need for individuals to remain perennially curious, update their skill sets, and embrace new methodologies, has never been more paramount. Just as a toolkit expands and evolves, so too should our ability to learn in this digital age, ensuring that we're not just keeping up, but truly thriving.

# QUIZ

1 What is the estimated number of active internet users in India as of 2022?

- A 500 million
- B 759 million
- C 1 billion
- D 1 billion



2 What demographic is particularly benefiting from courses in Indian EdTech trends for 2023?

- A Children under the age of 5
- B Young professionals in tier-2 and tier-3 cities
- C Senior citizens
- D Government employees

3 What does "SID" stand for in the context of the newsletter?

- A Social Interaction Device
- B Skill India Digital
- C Sustainable Industry Development
- D Strategic Innovation Division



4 What is the median age of India's growing youth population?

- A 15 years
- B 21 years
- C 28 years
- D 35 years

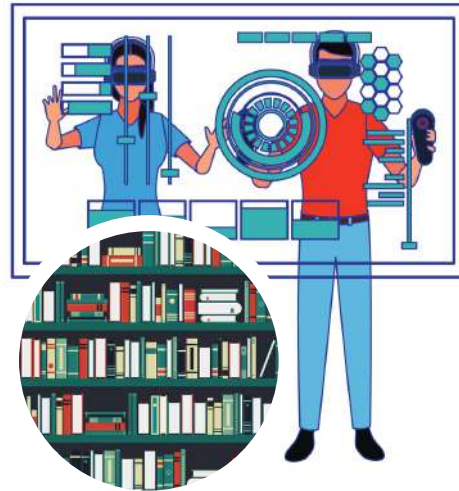
5 Which Indian government initiative is aimed at providing last-mile connectivity for digital education?

- A Swiggy
- B CoWin
- C PM E-Vidya
- D Make in India



6 Which technology has significantly contributed to personalized learning in EdTech?

- A Blockchain
- B Augmented Reality
- C Quantum Computing
- D 3D Printing



7 What is the primary focus of the National Digital Library (NDL) in India?

- A Streaming Bollywood movies
- B Providing learning resources
- C Selling e-commerce products
- D Offering cooking recipes

8 How does EdTech address diverse learning styles?

- A By providing only one-size-fits-all solutions
- B Through personalized education
- C By offering traditional classroom lessons
- D By focusing solely on in-person learning

9 What unique features of Skill India Digital aim to empower users in their skilling journey?

- A Offering free movie streaming
- B Providing career counseling, job connections, and entrepreneurship support
- C Featuring celebrity interviews
- D None of the above



10 How does the National Education Policy (NEP) support digital integration in education?

- A By promoting handwritten assignments
- B By advocating for investments in digital infrastructure
- C By discouraging the use of digital resources
- D By eliminating all forms of online learning



SCAN THIS CODE TO PLAY

# Catalyzing the Skills Ecosystem in India

Reimagining  
India's  
Future



Creating a Robust Skill Ecosystem with:



Capacity  
Creation  
and  
Building



Skill  
Financing &  
Impact  
Investment



Vocationalisation  
of Education



Enabling  
International  
Workforce  
Mobility



Industry  
Collaborations  
& Partnerships



Implementation of  
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