# The NSDC Weekly Pulse



## Trending Topics of the Week!



### 85 Million Jobs at Risk: Al's Impact on Workforce

Artificial intelligence (AI) is transforming industries by making tasks more efficient. However, it also poses a threat to millions of jobs. The World Economic Forum predicts that 85 million jobs could be lost to AI and automation by 2025. AI is assuming many tasks in industries such as manufacturing, logistics and customer service. Machines and algorithms now handle jobs that people used to perform. For instance, chatbots answer customer queries and robots operate in factories. This transition places numerous workers at risk, particularly those in repetitive roles. Data entry clerks, factory workers and certain office positions are particularly vulnerable. This job loss could affect millions of families and communities. However, AI also creates fresh employment prospects. There is a growing demand for individuals skilled in developing, managing and enhancing AI systems. Roles in AI ethics, machine learning, data analysis and cybersecurity are gaining importance. Furthermore, AI aids humans in performing their jobs more effectively. In healthcare, for instance, AI assists doctors in diagnosing diseases more accurately.

#### **5 Innovative AI Upskilling Courses for Career Success**

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In today's competitive job market, these five courses are essential for professionals looking to advance their careers:

- 1. Artificial Intelligence (AI): Gain insights into machine learning algorithms and data analysis techniques used across industries such as healthcare and finance, driving innovation and efficiency.
- 2. Blockchain: Beyond cryptocurrencies, blockchain technology offers secure and transparent solutions for data management in supply chains, healthcare records and legal contracts.
- **3. Cloud Computing:** Mastering cloud platforms like AWS and Azure enables efficient storage, computing power and software services delivery over the internet.
- **4. Full-Stack Web Development:** Covering both front-end (user interface) and back-end (server-side) development, this course equips professionals to build responsive and interactive web applications.
- **5. Python Programming:** Known for its simplicity and versatility, Python is essential for web development and data analysis.

These courses not only address current industry demands but also future-proof careers by aligning with technological advancements. Investing in these skills empowers professionals to excel in the rapidly evolving digital economy.

### Explore Vocational Training in Higher Education for a Skilled Future

In India, higher education is changing to focus more on practical skills alongside

In conclusion, although AI jeopardises numerous jobs, it also generates new opportunities. By focusing on education and support, we can assist people in adapting to the evolving job market and forging a brighter future for all.



traditional academics. This shift aims to better prepare students for real-world jobs by teaching them hands-on skills needed in various industries. Traditionally, higher education in India has been all about studying subjects like science, arts or commerce to get degrees but now, there's a growing need for students to learn specific skills that companies look for when hiring. Vocational training in higher education means courses that teach practical skills directly related to jobs. These courses cover fields like engineering, healthcare, hospitality and more. They help students learn practically, so they're ready to work as soon as they graduate.

One good example is the National Skill Development Corporation (NSDC), which partners with universities and colleges to develop courses that align with industry needs. This approach allows students to gain not only theoretical knowledge but also practical skills that companies value. However, challenges such as insufficient resources, outdated courses and limited awareness among students and parents about these opportunities persist. To address these issues, schools, the government and businesses need to collaborate on creating improved programmes that meet the demands of today's job market.



