



code unnati

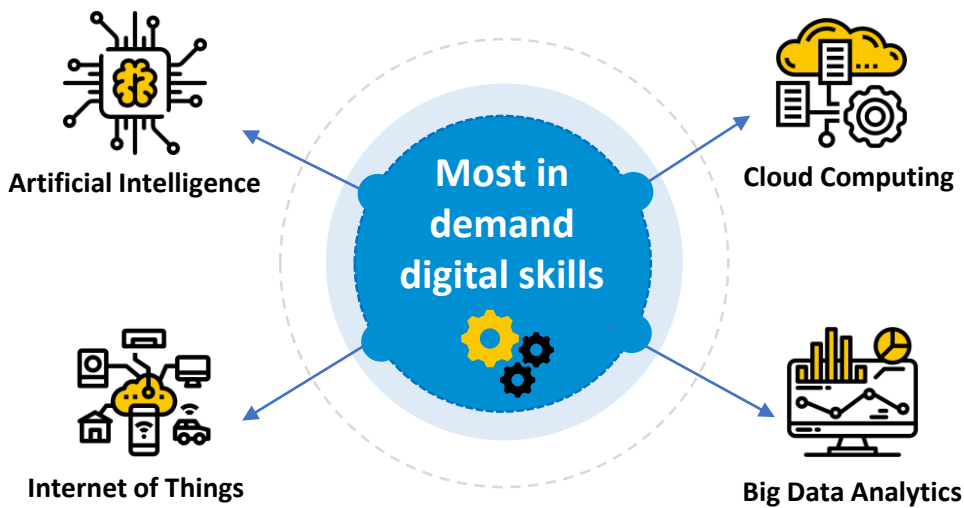
Centre of Excellence on Emerging Technologies



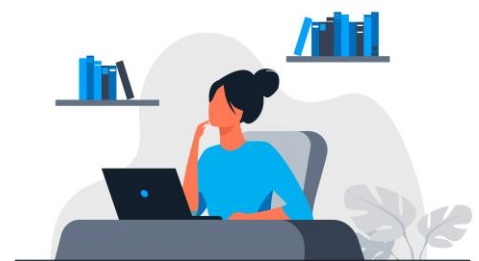
The need addressed through the Code Unnati Program

In 2023, India had an installed talent base of 416,000 professionals, responding to the current demand of approximately 629,000. According to McKinsey Global Institute, the future could see up to 90 million new jobs in India by 2030. *

By creating a space for qualified talent, the industry's evolution is complemented by initiatives from industry and academia to enhance skills and employability, showing immense promise for the future. *

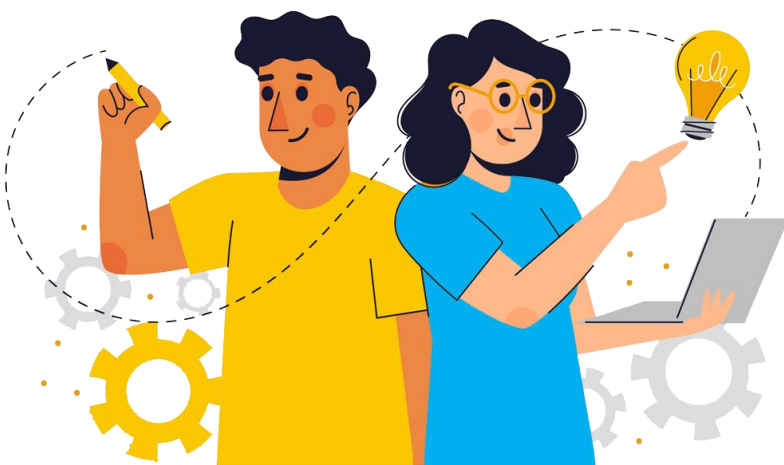


AI is poised to revolutionize India's economy, contributing trillions of dollars in GDP and creating millions of jobs in the process. It also offers India a powerful tool to address social challenges like education, healthcare, and poverty alleviation. *



*India Skills Report, 2024

By 2030 up to 90 million new jobs will be created in India



Code Unnati Program by SAP & Edunet Foundation

Code Unnati is a CSR initiative of SAP India that aims to develop the skills and employability of youth in the field of Industry 4.0. The initiative provides high-end tech infrastructure to collaborating engineering colleges and offers technical training to students on emerging technologies such as Artificial Intelligence, Machine Learning, Cloud Computing, Computer Vision, the Internet of Things, SAP BTP, and ABAP.

The program is being implemented by the Edunet Foundation in collaboration with SAP and is designed for second, pre-final and final-year students from engineering colleges. Currently, the program is active in 45 engineering institutes across Gujarat (37), and Maharashtra (8), benefitting over 3400 engineering students. Additionally, more than 300 faculty members have been trained through the Faculty Development Program.

With the support of the Telangana Academy For Skill and Knowledge, the Code Unnati Program is extending its reach to Telangana by establishing a Centre of Excellence on Emerging Technologies at 17 locations in the region.

Key Benefits under the Code Unnati Program

1. Mentoring from trainers and **industry experts** along with hands-on training
2. Exposure to the highly demanded **SAP modules**
3. **Certification** upon completing the program
4. Internship and **job opportunities** for the trained students

Code Unnati Program offers the following:

(1) Machine Learning and Artificial Intelligence: As artificial intelligence (AI) is rapidly growing beyond the tech industry, today we see that it has penetrated education, hardware and networking, healthcare, design, consumer goods, finance, retail, wellness and fitness, real estate, energy and mining, software and IT services, manufacturing, entertainment, corporate services, transportation and logistics and beyond.

Let's look at the most in-demand AI skills:

- Industry 4.0 application development with high-in-demand open-source industry-relevant tools such as Linux, and Python programming with frameworks and packages.
- Statistical modelling for developing modern AI applications
- Deep learning for computer vision-based AI applications
- Heterogenous computing to deploy AI workload

(2) Internet of Things & Cyber Security in the Internet of Things: As the IoT invades our day-to-day lives in the form of smartwatches that can monitor our health, internet-enabled home entertainment systems, or a smartphone app-connected light bulb, its presence in our lives is all-pervading. On a bigger scale, industries and manufacturing companies continue to use IoT for maintenance and tracking, supply chain, energy consumption, shipping and logistics, regulatory compliance, smart city projects, oil and gas, retail and insurance among others. The most in-demand skill sets required to advance your career in this sector:

- Hardware abstraction to design and develop edge devices for data acquisition and monitoring through sensors and transducers
- Designing IoT-based consumer and industry products through hardware integration
- Connecting the real world to the virtual world using gateway devices
- Cloud computing to store and process data
- Data science skills for descriptive, diagnostic, predictive, and prescriptive data analysis
- Cyber security for endpoint and software security, especially to protect IoT devices from vulnerabilities and cyber attacks

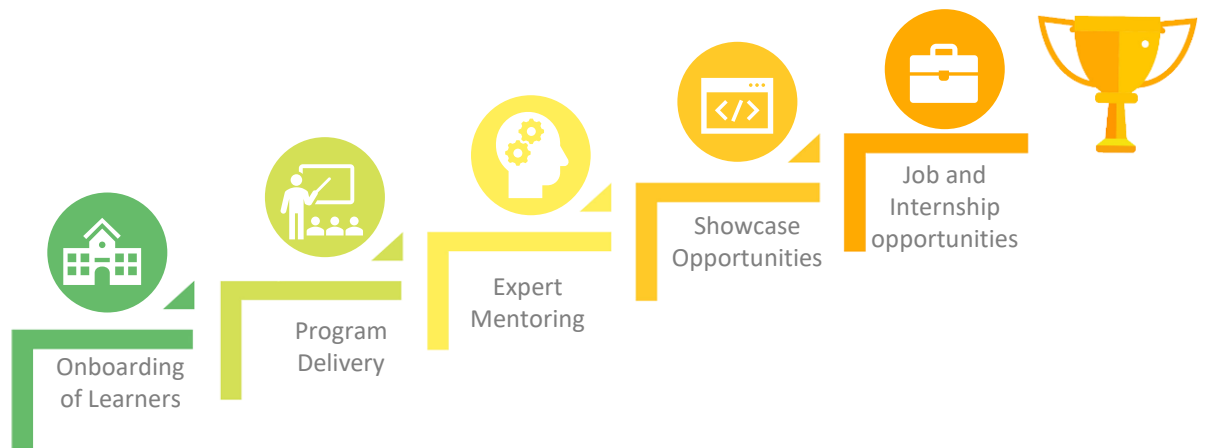
(3) Enterprise Resource Planning tools for Industry-specific Applications: Systems, Applications & Products in Data Processing for industry-specific applications. Students will gain practical learning on the following tools:

- ERP Essentials: Explore SAP technical modules
- Advanced Business Application Programming on SAP Business Technology Platform
- SAP Analytics Cloud

(4) End-to-end Solution Development: Developing solutions for real-life Industry and community problems.

(5) Employability Skills Module: Problem-solving, Critical thinking, Effective Communication, Presentation Skills, GD & PI Skills, Resume-building & Digital profile-building.

Learner Journey



Duration of the Course: 70 hours for second year and 115 hours each for pre-final and final year students who will undergo theoretical and hands-on training, submit capstone projects, participate in showcase events and avail placement support upon successful completion of program requirements



Who can Participate: Second, pre-final and final year students from engineering degree programs in IT, Computer Science, Electronics & communication, and circuit branches having interest & qualifying level IT competencies in programming



Selection Process: Through student orientation followed by a **Screening Assessment** on interest level & basic programming competencies

About SAP in India



SAP India is the fastest growing subsidiary of SAP SE, the world's leading provider of business software solutions. SAP India began its operations in 1996 with headquarters in Bangalore and offices in Mumbai, New Delhi, Kolkata, and a direct presence in nine cities across India, besides having marketing associates in Sri Lanka and Bangladesh.

Founded in November 1998, SAP Labs India drives SAP's product strategy, is responsible for SAP core solutions and provides product localization and India specific solutions. Unique to SAP Labs India is that it represents the entire breadth of SAP product portfolio and contributes to SAP flagship products such as SAP HANA, the platform for next generation applications and analytics; SAP S/4HANA, the real-time ERP suite for digital business and holds key product responsibilities across the Customer Engagement, Human Capital Management, Analytics and IoT portfolios.

About Edunet Foundation



Edunet Foundation (EF) was founded in 2015 to create educational networks that promote employability and entrepreneurship. The organization has enjoyed Special Consultative Status with the Economic and Social Council (ECOSOC) of the United Nations since 2020. With a national footprint, EF's programs, online and instructor-led, benefit tens of thousands of learners every year.

For further details about the Program: visit our website



<https://codeunnati.edunetfoundation.com>



codeunnati@edunetfoundation.org