

newsletter

Empowering Futures with Code Unnati

codeunnati.edunetfoundation.org

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National Faculty Conference 2025

Convergence 4.0: Transforming the Future-Ready Ecosystem for Learning and Work

Dec 20, 2025: The National Faculty Conference 2025 brought together educators, academic leaders, researchers, and industry experts from across India to reflect on one critical question: How do we prepare learners and institutions for the future of work in an AI-driven world?



When educators come together to learn, collaborate, and innovate, the future of learning truly transforms

The conference served as a strong knowledge-sharing platform, bringing together SAP professionals, industry leaders, HR experts, and academic thought leaders on a single stage. The real-world insights shared during the sessions sparked meaningful discussions on how education systems must evolve to meet the demands of a rapidly transforming digital economy.

Key discussions focused on critical themes such as The AI-Powered Campus & Workplace, Bridging Industry 4.0 with Academic 1.0, and The AI Revolution in the Classroom and Research Lab. These conversations helped faculty understand emerging trends and practical approaches to aligning teaching, research, and workforce preparation with industry needs.

Beyond dialogue, the conference emphasized actionable outcomes, including rethinking curriculum design, strengthening industry-academia collaboration, and integrating experiential learning. A major takeaway was the vision to strengthen Code Unnati Alumni Engagement by creating a collaborative platform that connects students, alumni, and institutions—enabling mentorship, inclusive skilling, and improved job readiness.

Code Unnati Innovation Marathon 4.0

A State-level Competition to foster creativity, innovation, and entrepreneurial skills among engineering students of Gujarat, Maharashtra, Karnataka and Telangana.

Registrations are open >>

<https://cu-innovation.edunetfoundation.com/registration>





Panel Discussion Highlights



Panel 1 | The AI-Powered Campus & Workplace

Explored AI-enabled teaching, assessment, faculty upskilling, smart campuses, and responsible AI adoption.

Panelist Details



Panelist Details



Panel 2 | Bridging Industry 4.0 with Academic 1.0

Focused on curriculum modernization, hands-on learning, live projects, sustainable industry-academia collaboration.



Panel 3 | AI in the Classroom & Research Lab

Highlighted AI tools for teaching and research, data-driven learning, faculty innovation, and future research trends.

Panelist Details



Keynotes

1. AI emerged as a powerful enabler of education—reshaping teaching, learning, and research—while reaffirming that educators remain central to the learning process.
2. The conference emphasized using AI as an intelligent assistant to move assessments beyond rote learning toward critical thinking, creativity, and real-world problem-solving.
3. Responsible AI integration across the academic and research lifecycle requires faculty preparedness, ethical frameworks, and a clear institutional vision.
4. Meaningful adoption of AI goes beyond tools and trends, relying on data-driven learning environments, strong research ecosystems, and deep industry-academia collaboration.
5. While AI enhances efficiency and insights, human judgment, mentorship, ethics, and educational purpose must always remain human-led.
6. A key message from the conference was that the future lies in AI working with educators, together shaping skilled, ethical, and industry-ready learners.
7. The need to balance strong theoretical foundations with early exposure to industry-aligned skills was strongly reinforced.
8. Institutions were encouraged to adopt more agile curriculum design and approval processes to respond quickly to evolving industry demands.
9. Industry-academia collaboration was highlighted as critical to bridging skill gaps, especially as skill lifecycles shorten and specialized competencies evolve rapidly.
10. The conference underscored the importance of CSR-led, inclusive, and sustained investment in faculty development and lifelong learning to build future-ready institutions.

Code Unnati Program Implementation Report – December 2025

This month, our learning journey spanned the vast landscape of modern technology, connecting theoretical knowledge with hands-on application. Across colleges in Gujarat, Karnataka, Maharashtra, and Telangana, students delved deep into Advanced Machine Learning and AI. Sessions covered the full spectrum, from foundational supervised and unsupervised algorithms to the intricacies of Deep Learning—exploring neural networks, CNNs, RNNs, LSTMs, and the transformative power of transformers and Large Language Models (LLMs). The goal was clear: to build a robust, end-to-end understanding of intelligent systems.



A significant highlight was our focused push into **Edge AI** and **TinyML**, a frontier where AI meets real-world constraints. Students at multiple institutions got hands-on with Raspberry Pi, microcontrollers, and model optimization techniques like quantization and pruning.

They learned to deploy lightweight models on low-power devices, moving beyond the cloud to enable real-time, efficient AI solutions. This practical exposure is crucial for innovating in fields like IoT, embedded systems, and mobile computing, preparing our learners for the next wave of decentralized intelligence.

Parallel to our AI focus, we fortified expertise in high-demand enterprise technologies through the SAP curriculum. Learners engaged with SAP Analytics Cloud, building stories, creating calculation views, and understanding data modeling and security. Meanwhile, on the development side, sessions on SAP BTP (Business Technology Platform) and the ABAP RESTful Programming Model equipped students with the skills to extend and build modern applications on one of the world's leading business platforms. This dual-track approach ensures our talent pool is versatile, understanding both data intelligence and core enterprise development.

December 2025 Milestone: From Learning to Leadership in Future-Ready Skills

The Capstone Project cycle moved into high gear this December. Sessions transitioned from initial team formation and problem statement brainstorming to active mentoring, implementation, and final review stages. Educators provided structured guidance on project design, technical execution, and documentation standards. Excitingly, this work often dovetailed with preparations for the upcoming Innovation Marathon, where students are honing their ideas, focusing on originality, validation, and sharp presentation strategies.

We firmly believe that technical brilliance must be paired with professional prowess. Our Employability Skills modules this month were dedicated to shaping confident, communicative, and strategic thinkers. Students participated in mock interviews and group discussions, mastered the art of professional self-introduction and personal branding, and engaged in workshops on smart thinking and workplace readiness.

From the foundational coding practices for newer cohorts to advanced specializations for senior students, December's sessions reflect our unified mission: to deliver a holistic, industry-aligned education. Whether through a VAC, AC, or FC track, the focus remains on empowering every student with future-proof skills, practical experience, and the professional confidence to thrive. As we close the year, we are inspired by the progress, innovation, and dedication demonstrated across all campuses.

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EMPOWERED JOURNEYS

The Student Becomes the Master

Sai Kamal, a recent ECE graduate from Nalgonda with a CGPA of 8.4, always aspired to build a career that blended technology with teaching. Coming from a modest background and with prior experience conducting robotics workshops for government school students, he was eager to strengthen his software skills and find a structured pathway to turn his passion for education into a stable profession.

Through the Code Unnati program, he received hands-on training in Python, Machine Learning, Deep Learning, and SAP ABAP, along with focused employability skills development. This exposure enabled him to secure a role as a Trainer with Edunet Foundation, where he now teaches the same technical curriculum to students across Telangana—demonstrating the program's strong multiplier effect by transforming a learner into a mentor and inspiring the next generation.



"This program changed my career path completely. It gave me the technical skills and the confidence to pursue my passion for teaching technology. Now, I am proud to be in a position where I can deliver the same knowledge that shaped my future to other students."

**Dasoju Sai Kamal,
ECE graduate from Nalgonda**

The New Direction



"Thank you so much, Edunet Foundation. Thank you so much, Murthy, Sir, you helped me understand how vast programming and technology are."

**Mohammed Sohail,
Engineering graduate from Hyderabad**

Mohammed Sohail is a recent engineering graduate from Hyderabad. His family runs an e-commerce and cloud kitchen business. While pursuing his degree, he simultaneously built a three-year professional background as an IT recruiter, handling both domestic and international hiring for tech roles. He joined the Code Unnati program seeking to deepen this practical understanding of emerging technologies to complement his recruitment expertise.

The program provided Sohail with foundational exposure to programming languages like Python, AI technologies, and an introduction to SAP. Through structured modules, practical exercises, and competitive exams, he gained a clearer understanding of how programming works and its real-world applications. The program also offered a window into corporate environments and tech innovations, complementing his prior recruitment experience with technical awareness.

From Rural Roots to Tech Professional

Thirupathi Reddy grew up in a rural village in Telangana with limited access to technology and basic learning infrastructure. Coming from a farming family and having studied electronics through government-supported education schemes, she aspired to build a career in IT but lacked hands-on exposure to programming, emerging technologies, and the confidence needed to enter the industry.

Through the Code Unnati program, Thirupathi gained practical training in Python, AI and Machine Learning basics, IoT, and SAP ABAP, along with structured soft-skills development. This exposure transformed him into a confident professional, enabling him to secure an internship that later converted into a full-time role as a Software Testing Engineer. Today, he works from home, supports his family, and applies his technical and communication skills daily—reflecting the program's impact in turning aspiration into sustainable employment and empowering rural talent to succeed in the digital economy



"Code Unnati and SAP gave me not just skills but a career. Now I want to be in the best position and motivate others like me who come from non-CS backgrounds to believe they can make it in IT."

Puchakayala Thirupathi Reddy,
Software Testing Engineer
from Telangana

Expanding Horizons in Electronics and Computing



"This program made me more confident and industry-ready. I gained hands-on experience in Python and SAP, and the employability skills sessions were extremely helpful. It supported me in performing well in placements and ultimately helped me secure an opportunity with MRF."

Thatipelli Shirisha,
Electronic & Communication Engineer
graduate from Kamareddy

Shirisha hails from Kamareddy district and comes from a family where her father runs a small business and her mother is a homemaker. With a clear interest in technology, she chose to pursue a diploma in Electronics and Communication Engineering after her 10th grade, gaining a strong foundation in embedded systems and IoT. However, as she progressed into her B.Tech, her exposure to software tools and corporate employability skills remained limited.

Through the Code Unnati program, Shirisha strengthened her profile with training in Python, SAP basics (including ABAP), and advanced computing concepts, along with structured employability skills development. This holistic exposure boosted her confidence and industry readiness, leading to her selection by MRF through the program's placement initiative. The opportunity marked a major milestone in her journey toward financial independence and a stable career in the technology sector.

Teaching Courage Before Communication



“Where Soft Skills Become Self-Belief”

Akarsh Ramachandra,
Master Trainer - Soft Skills)

If there's one truth I've seen again and again while working with students, it's this: talent is everywhere, but expression is rare. Many students don't lack ability. Often, what holds them back is simply the absence of a dedicated Guru, a right environment to practise and develop-professional communication, confidence, and clarity. They may know what to say, but hesitate. They may have strong opinions, but struggle to present them. That is exactly where soft skills stop being “extra” and become essential. Soft skills are not about sounding smart. They are about being understood, being remembered, and being ready.



Photo: Placement Simulation (Mock Interviews and Mock GD)

What makes these CU Soft Skills Sessions special is the change one can literally feel in the room. The same students who walked in quietly start participating without fear. The ones who struggled to introduce themselves begin to speak with clarity and confidence. Not because we “taught communication”, but because we created a space where students practised courage repeatedly. Slowly, their posture changes. Their tone changes. Their self-belief changes. And along with these improvements comes the most meaningful outcome, which is an attitude shift: from hesitation to ownership, from fear to participation, and from “I can't” to “I will try.” That's the real output of skill training: not just improved language, but stronger identity.

Over time, these small wins compound into readiness: for interviews, presentations, teamwork, leadership, and real workplace expectations. The most rewarding outcome is seeing students carry this confidence beyond the classroom; into how they communicate, how they collaborate, and how they view their own potential.

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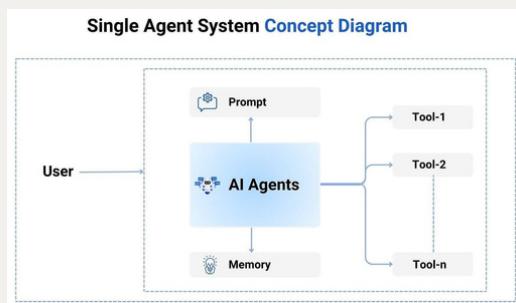
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3 new technology updates for students

1. Agentic AI & Autonomous Systems



Agentic AI represents the next evolution of artificial intelligence, where systems do not just respond to commands but can reason, plan, take decisions, and act independently to achieve goals. These AI agents can collaborate with other agents, use tools, and adapt to changing environments. This technology is increasingly used in software automation, intelligent assistants, robotics, and enterprise AI solutions. For BTech students, learning Agentic AI builds strong foundations in problem-solving, system thinking, and real-world AI applications, making them industry-ready for future AI-driven roles.

2. Generative AI for Software Engineering

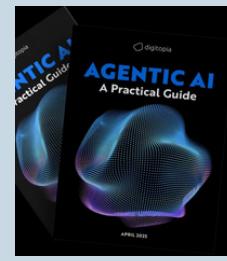


Generative AI is transforming software engineering by assisting developers in writing code, debugging errors, generating documentation, and automating testing processes. AI-powered tools can now understand natural language instructions and convert them into working code, significantly improving developer productivity. For BTech students, this shift means that coding is no longer just about syntax but about logic, design, and collaboration with AI tools. Understanding how to use AI effectively in development gives students a competitive advantage in internships and placements.

Free Books for students



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3. AI-Driven Cybersecurity & Zero Trust Architecture



Cybersecurity has become more intelligent with the integration of AI and machine learning for detecting threats, predicting attacks, and responding in real time. The Zero Trust model assumes that no user or device is automatically trusted, improving security across cloud and enterprise systems. For BTech students, this area opens opportunities in ethical hacking, cloud security, and cyber defense roles. With rising cyber threats, professionals skilled in AI-based security solutions are in very high demand globally.