



Enterprise-grade AI Learning

2025-26



Coforge Data & AI Lab, IIT (BHU), Varanasi: Providing enterprise-grade AI learning resources to students

The Coforge Data & AI Lab is a collaboration between Coforge and IIT (BHU), Varanasi, bridging the gap between theory and enterprise-grade application. Apart from creating a talent pipeline with cloud computing and machine learning skills, the Lab contributes to research and open-source development, as well as application of AI to solve pressing social challenges.

Faculty and industry leaders conduct masterclasses on cutting-edge topics such as Agentic AI, robotics, healthcare AI, agriculture AI, image synthesis, recommender systems, and reinforcement learning.

The projects being pursued at the Lab are:

- **AI-assisted vulnerability detection systems**
- **AI-powered assistive reading solutions for the visually impaired**
- **IoT- and AI-based soil health monitoring** for sustainable agriculture
- **Cognitive and brainwave-based interventions** aimed at improving mathematical abilities of school children (Grades 2–8) in Varanasi

Impact generated

- 2,500 students, researchers, and faculty members across multiple departments—including Computer Science, Metallurgy, Mathematics, Architecture, Electrical Engineering, Pharmaceuticals, and Engineering Physics—benefited from the initiative.
- Students gained access to 6,700+ curated Skillsoft digital courses, enabling self-paced and continuous learning.
- A structured certification pathway (On AI and Data Science) with capstone projects ensured depth and rigor through:
 - Online foundational learning
 - Faculty-led lectures and guided instruction
 - Hands-on capstone projects aligned to real-world applications





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