

About DeployAI 2026

Artificial Intelligence is rapidly transforming industries, research, and society. While advances in foundation models, large language models (LLMs), and generative AI have accelerated innovation, one of the biggest challenges today is translating these models into reliable, scalable, and production-ready intelligent systems. There is a growing demand for professionals who can not only develop AI models but also deploy, optimize, and manage them in real-world environments.

DeployAI 2026 is a 14-day Winter School on Deployable AI Systems designed to bridge this gap. The program provides a hands-on learning experience covering the complete AI lifecycle—from machine learning and deep learning to foundation models, LLMs, MLOps, and cloud-native deployment. Participants will gain practical experience with industry-standard tools and frameworks while building end-to-end AI applications that are ready for real-world deployment.

DeployAI 2026 aims to prepare students, researchers, faculty, and professionals with the knowledge and skills required to build the next generation of deployable, scalable, and trustworthy AI systems.

Why Attend DeployAI 2026?

- Learn to build and deploy real-world AI applications using modern AI technologies.
- Gain hands-on experience with LLMs, RAG, AI Agents, Computer Vision, and MLOps.
- Work with industry-standard tools including PyTorch, Hugging Face, FastAPI, Docker, and Kubernetes.
- Develop practical skills through hands-on labs and an end-to-end capstone project.
- Learn from leading experts and earn a certificate of participation.

Target Audience

- Students, Research Scholars
- Faculty and Educators
- Industry Professionals and Startups
- Employees of R&D organizations

Topics Covered in DeployAI 2026

Day	Module	Hands-on
1	AI Landscape, AI Engineering, Deployable AI Ecosystem	Environment setup (Python, Git, VS Code, Colab)
2	Python for AI, Data Processing, NumPy, Pandas	Data preprocessing and visualization
3	Machine Learning Fundamentals	Build ML models using scikit-learn
4	DL Fundamentals: ANN and CNN	Build ANN and CNN models using PyTorch
5	Transfer Learning and Fine-Tuning	Image classification using pretrained models
6	Vision Transformers and Foundation Models	Image classification with ViT and Hugging Face
7	Modern Vision AI: YOLO, SAM, Grounding DINO, CLIP	Object detection and segmentation using foundation models
8	Transformers and Large Language Models	Build a mini GPT-style model and perform LLM inference
9	Building AI Services and AI Web Applications	FastAPI, REST APIs, Streamlit, frontend–backend integration
10	Deploying AI Applications	Docker, Docker Compose, containerizing AI services
11	Scalable AI Systems	Kubernetes (Minikube), Ray Serve, distributed inference
12	Model Optimization and Edge AI	ONNX, TensorRT, quantization, NVIDIA Jetson
13	MLOps and Production AI	MLflow, experiment tracking, monitoring, cloud deployment concepts
14	Capstone Project, Hackathon, and Demonstration	Deploy an end-to-end AI application

DeployAI 2026 Organising Committee

Patron

Prof. Rajeev Ahuja
Director, IIT Ropar

Course Coordinators

Dr. Rakesh K. Sanodiya, IIT Ropar
Dr. Abhinav Kumar, IIT Ropar

Course Co-Coordinators

Dr. Santosh Kumar Vipparthi, IIT Ropar
Dr. Vandana Bharti, IIT Ropar

Course Mentors

ACADEMIA

Prof. Bapi Raju, IIIT Hyderabad
Prof. Chandra Sekhar, IIT Madras
Prof. Chetan Arora, IIT Delhi
Dr. M. Khushi, Brunel University London
Prof. R. Venkatesh Babu, IISc Bangalore
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Prof. Richa Singh, IIT Jodhpur
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Prof. Soumitra Datta Roy, IIT Delhi
Dr. S. Murala, Trinity College Dublin, Ireland
Dr. Tanmoy Chakraborty, IIT Delhi

INDUSTRY

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Mr. Gagan Jain, Microsoft AI
Mr. Haroon Ansari, LinkedIn
Dr. Niharika Ahuja, Google
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Local Organizing Committee

Dr. Abhilasha Nanda, IIT Ropar
Dr. Anusha Prakash, IIT Ropar
Dr. Puneet Kumar, IIT Ropar
Dr. Tanushree Meena, IIT Ropar

For more Information. Please visit: <https://www.abc.in/>

About School of AI & DE

The School of Artificial Intelligence and Data Engineering (SAIDE) at IIT Ropar is a leading hub for education, research, and innovation in artificial intelligence and data engineering. SAIDE offers B.Tech., MS Data Science, and Ph.D. programs, nurturing talent to address real-world challenges across domains such as AI, data science, healthcare, cybersecurity, robotics, quantum computing, IoT, and digital agriculture. With a strong focus on interdisciplinary research, industry collaboration, and ethical AI, SAIDE integrates advanced technology/s with societal needs. Aligned with IIT Ropar's vision, SAIDE is committed to developing future-ready professionals and impactful AI-driven solutions for global and national challenges. <https://www.iitrpr.ac.in/saide/>

About IIT Ropar

The **Indian Institute of Technology Ropar (IIT Ropar)**, established in **2008**, is an **Institute of National Importance** and a member of the prestigious IIT system, located in **Rupnagar, Punjab**. Spread across a **525-acre eco-friendly campus**, IIT Ropar offers state-of-the-art academic and research infrastructure and a vibrant learning environment. The institute provides **Undergraduate, Postgraduate, and Doctoral programs** across engineering, science, and humanities, with strong emphasis on research, innovation, and interdisciplinary collaboration. With active **centers of excellence**, global academic partnerships, a growing startup and innovation ecosystem, and a commitment to societal impact and sustainability, IIT Ropar plays a vital role in shaping future leaders and advancing technological excellence at national and global levels. - [Google Maps](#)

Contact Us

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How to Register

Type of Participation	Early Bird Registration (Online)	Early Bird Registration (Offline)	Late Registration (Online)	Late Registration (Offline)
Student/ Research Scholar	₹1,500	₹10,000*	₹2,000	₹12,000*
Faculty Members	₹2,500	₹13,000*	₹3,000	₹15,000*
Industry Participant	₹4,000	₹15,000*	₹5,000	₹18,000*

- * **Accommodation & Food cost included in the Registration.**
- Last Date of Registration: **September 25, 2026 (Limited seats Available)**
- The fee can be paid to the account number mentioned under bank details. After successful payment of the requisite participation fee, the participants must have to register to the course by filling the registration form after clicking on the link: <https://forms.gle/aJjM1nVJdeJ3WLdT7>

Account Name:	
Account No.:	
Bank MICR Code:	
Bank IFSC Code:	
Bank Name:	
Branch Name:	
UPI ID	



DeployAI 2026

Winter School on Deployable AI:
From Foundational Models to Real-World
Intelligent Systems

7-22 December, 2026

Venue- IIT Ropar

Organized by



School of Artificial Intelligence and Data Engineering
Indian Institute of Technology Ropar

