

SUPER INTELLIGENT ROBOT ARM

Learners will gain practical insights into IoT and ML applications in robotics, developing skills to design, control, and automate robotic systems for real-world tasks.



SHOPPING TROLLEY BASED ON OBJECT DETECTION



Students will gain hands-on experience in ROS, ML, NLP, deep learning, and image processing, learning to develop intelligent robotic systems capable of perception, planning, and autonomous operation.

ADAS BASED LANE DETECTION

Students will gain hands-on experience in sensor fusion, perception, and real-time decision systems, learning to design intelligent automotive solutions for enhanced driver safety and automation.



ABHYUDYAYA
TECHNO SOLUTIONS PVT LTD

INNOVATING THE FUTURE WITH CUTTING-EDGE TECHNOLOGY

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CENTRE OF EXCELLENCE

COLLABORATIVE INTELLIGENCE FOR FUTURE INDUSTRIES

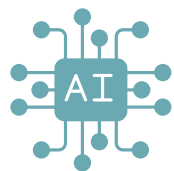


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OBJECTIVES

- Focus on practical, hands-on training in: AI, IoT, AR, VR, cloud, cybersecurity Data analysis, decision-making, drone tech Industrial IoT, M2M, robotics.
- Equip students to build: Intelligent systems, Robust cross-platform apps, Scalable cloud solutions & Secure digital infrastructures.
- Prepare students for: Data-driven decision-making Device communication Complex data interpretation Digital era leadership.
- Educate Students on Technologies That Enable Machine-to-Machine Communication.

TECHNOLOGY STACK



ARTIFICIAL
INTELIGENCE



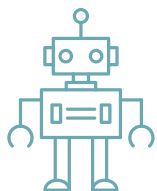
DATA
SCIENCE



APPLICATION
DEVELOPMENT



AR VR



ROBOTICS



INTERNET
OF THINGS



CYBER
SECURITY



CLOUD
COMPUTING

TOOLS & FRAMEWORKS



OpenCV



TensorFlow



PyTorch



NumPy



Keras



Visual Studio Code



python™



ROS

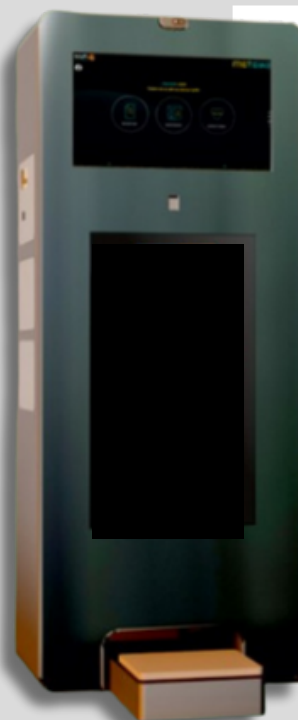


LangChain



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NEXT AI SOLUTIONS



AI HEALTH PREDICTION SYSTEM

Learners will explore IoT, ML, and Generative AI applications in healthcare, gaining skills to design intelligent, data-driven systems for monitoring, analysis, and predictive decision-making.

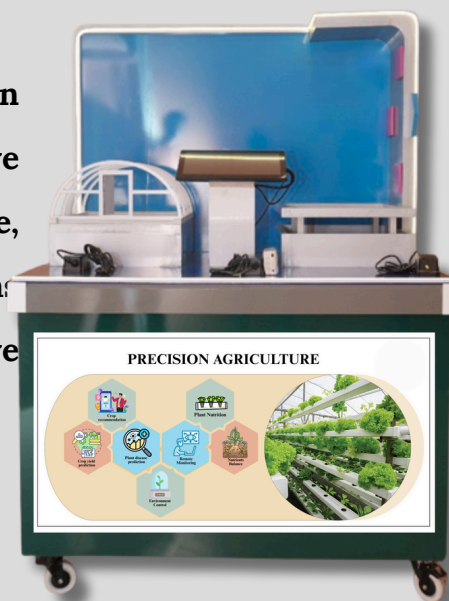


FRONT DESK ASSISTANT BOT

Learners will gain practical knowledge of ROS, ML, NLP, deep learning, and image processing—enabling them to build intelligent robots capable of understanding, communicating, and responding to human interactions autonomously.

SMART FARMING USING AI

Students will gain hands-on knowledge of IoT, ML, and Generative AI applications in agriculture, learning to design intelligent systems for data-driven farming, predictive analytics, and automation.



PERSONAL ASSISTANCE BOT

Students will develop strong proficiency in ROS, ML, NLP, deep learning, and image processing—enabling them to design, train, and deploy AI-driven robotic assistants capable of natural human interaction and intelligent decision-making.

