

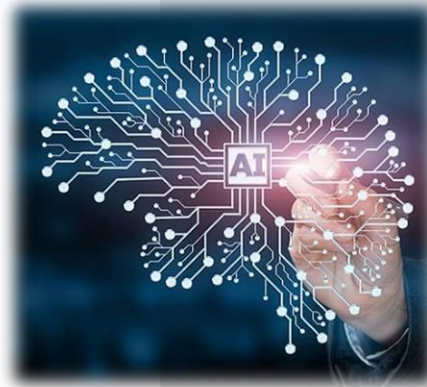
Electronics Design

- ✓ Electronics Design lab enables the students to understand and have hands-on exposure to complete life cycle of Electronics Product Designing
- ✓ Different short term and long term courses enabling the Electronics Design paradigm undertaken in the lab are as under:
 - Six months Industrial training Programme in Electronics Product Design
 - Six weeks training programmes in
 - PCB Designing/Prototyping using OrCAD
 - Electronic Circuits and Devices
 - CAD/CAM solutions
 - Product Prototyping / 3D printing
- ✓ IoT and 3D printing are the disruptive technologies used by students to leverage the Smart industry / Industry 4.0 use-cases



Artificial Intelligence

- ✓ The Artificial Intelligence Lab is state of the art lab with all high- end machines and AI development kits. The lab is designed to give students hands-on experience in everyday Artificial Intelligence Applications like Predictive Analysis, Image Detection and Analysis, Natural Language Processing tools and applications.
- ✓ It prepares the students for the future by running courses like
 - Six weeks in Programming Fundamentals, Data Science, Machine Learning and Deep Learning
 - Six months Industrial training in Artificial Intelligence and Machine Learning in collaboration with **IIT Ropar**.
 - Short term workshops in OpenAI, Deep Learning, TensorRT, PyTorch, Artificial Intelligence of Things (AIoT) to boost the interest of students, corporates and professionals in the AI ecosystem
- ✓ Our modular design ensures that students learn a variety of skills, stay enthusiastic about learning, and develop their creative interest and also enable research and development of Artificial Intelligent applications.
- ✓ Students undergo various mini projects throughout the course and develop major live projects in Computer Vision, Natural Language Processing and Predictive Analysis



Cyber Security

- ✓ Protection of computer systems, and networks from the malicious attacks, identifying the malicious actors are tedious and continuous process nowadays.
- ✓ The Cyber security lab not only fuels the energy to protect the organisational data from outsiders but also aids in designing and overall security policy required to ensure the full proof security to every kind of data being processed inside the organisation.
- ✓ The short-term, long-terms training programmes undertaken by the cyber security lab are:
 - Cyber Security and Ethical Hacking
 - Cyber Security Tools
 - Networking fundamentals and Cloud computing
 - Certifications in the areas of Cyber Information Systems Security
 - Network Essentials leading to CompTIA certifications
 - Industry relevant Cisco Certified Programmes in the areas of Networking, cyber security, wireless security, etc.

