

Innovative Learning based Lab Facilities:

Name of Lab	Major Equipments
IDEA Lab	MV Laser, CNC Wood Router, IoT devices, Mechanical Tools
PTC Center of Excellence	Rapid Prototyping Lab, Automation Lab, Reverse Engineering, Product Development Lab, Smart Manufacturing Lab
Product Development Lab	<p>PTC CREO 50 license</p> <p>Workstation (28)CPU: Intel (R) Core(TM)i7-6700 CPU @3.40 GHz Memory: 8.0 GB Disk: 932 GBGPU: 2.0 GB Dedicated memory, 4.0 GB Shared memory</p> <p>Workstation (1)CPU: Intel (R) Xeon (R) CPU E3-1226 v3@3.30GHz Memory: 30.3 GB</p>
PLM	<p>PLM Module 50 license</p> <p>Workstation (28)CPU: Intel (R) Core(TM)i7-6700 CPU @3.40 GHz Memory: 8.0 GB Disk: 932 GBGPU: 2.0 GB Dedicated memory, 4.0 GB Shared memory</p> <p>Workstation (1)CPU: Intel (R) Xeon (R) CPU E3-1226 v3@3.30GHz Memory: 30.3 GB</p>
Automation Lab Supported by Janatics	Pneumatics Trainer KIT (Basic) Pneumatics Trainer KIT (Advanced) ElectroPneumatics Trainer KIT (Basic) ElectroPneumatics Trainer KIT (Advanced) Modular Manufacturing System (Feeder Station) Modular Manufacturing System (Inspection Station) Modular Manufacturing System (Sorting Station)
Reverse Engineering	RE Software, Shining 3D White Light Einscan Pro 3D Scanner with Rotary Table Computer OS: Windows 10, 64 bit USB Port: 2 USB ports available (USB 2.0 or USB 3.0) Graphics Card: NVIDIA GTX series graphic card, 660 or higher CPU: Dual core processor (I5) Display memory: 2GB Memory Storage: 8GB

Rapid Prototyping Lab	Mark forged Onyx pro 3D Printer. Form labs form 2 3D Printer. Delta wasp 2040 turbo 2 3D printer Pratom 3D printer Computer(04) Intel - 7, RAM -8 GB, 64-bit operating system
Metaverse Centre of Excellence in AR/VR	HTC vive cosmos VR Headset VIVE Pro – 2 Camera Meta Quest -2 LAPTOP DELL -System Samsung TV
Smart Manufacturing Lab	CNC VMC, CNC TC
Mercedese Center of Excellence	Petrol Engine MB M274 Diesel Engine MB OM642, MB OM651 Automatic Transmission Torque Converter Engine Stand Engine Crane Electronics Work Bench
Robotics Lab	Kuka Kr 10, Mogra welding setup