PROFESSIONAL ELECTIVE COURSES: MECHATRONICS VERTICALS							
VERTICAL1	VERTICAL2	VERTICAL3	VERTICAL4	VERTICAL5	VERTICAL6	VERTICAL7	VERTICAL8
APPLIED ROBOTICS	DESIGN AND MANUFACTURING	SMART MOBILITY SYSTEMS	INTELLIGENT SYSTEMS	AUTOMATION	AVIONICS AND DRONE TECHNOLOGY	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	DIVERSIFIE D GROUP 1
Robots and Systems in Smart Manufacturing	Robot and Machine Elements Design	Automobile Engineering	Applied Signal Processing	Object Oriented Programming in C++	Avionics	Automation in Manufacturing	Linear Integrated Circuits
Drone Technologies	Design for X	Electric and Hybrid Vehicles	Applied Image Processing	Power Electronics	Control Engineering	Warehousing Automation	Single Board Computers
Micro Robotics	CNC Machine Tools and Programming	Automotive Mechatronics	Machine Learning for Intelligent Systems	Computer Architecture and Organisation	Guidance and Control	Material Handling Equipment, Repair and Maintenance	Reliability and Maintenance Engineering
Agricultural Robotics and Automation	Computer Integrated Manufacturing	Automotive System Modelling and Simulation	Condition Monitoring and Fault Diagnostics	Virtual Instrumentation	Navigation and Communication System	Robotics	Integrated Product Development
Collaborative Robotics	Advanced Manufacturing Systems	Vehicle Dynamics and Controls	Systems Modelling and Simulation Methods	Industrial Network Protocols	Design of UAV systems	Container Logistics	Medical Mechatronics
Robot Operating Systems	Additive Manufacturing	Aircraft Mechatronics	Optimization Techniques	Motion Control System	Aerodynamics of Drones	Logistics in Manufacturing, Supply Chain and Distribution	Micro Electro Mechanical Systems
Medical Robotics	Electronics Manufacturing Technology	Smart mobility and Intelligent Vehicles	Immersive Technologies and Haptic	Total Integrated Automation	***	Data Science	Process Planning and Cost Estimation
Humanoid Robotics	Computer Aided Inspection and Testing	Advanced Driver Assistance Systems	Computer Vision and Deep Learning	Digital Twin and Industry 5.0	***	***	VLSI and FPGA