Electrical Engineering Major Sensor Technology

Programme	EC
Year 1	**60**
Semester 1	*30*
⬚ ELVP22PRJ1 - Project 1	*5*
⬚ ELVP22AE1 - Circuit Analysis and Electronics 1	*5*
⬚ ELVP22APH - Applied Physics	*5*
⬚ ELVP22DE - Digital Electronics	*5*
⬚ ELVP22EMP - Embedded Programming	*5*
⬚ ELVP22PUY1 - Power Up Yourself 1	*5*
Semester 2	*30*
Semester 2	*25*
⬚ ELVP22PRJ2 - Project 2	*5*
⬚ ELVP22AE2 - Circuit Analysis and Electronics 2	*5*
⬚ ELVP22AMAT - Applied Mathematics	*5*
⬚ ELVP22PLC - PLC Programming	*5*
⬚ ELVP22PUY2 - Power Up Yourself 2	*5*
Elective	*5*
selection of following courses	
⬚ ELVP22SET - Sustainable Energy Technology	*5*
⬚ ELVP22AMEC - Applied Mechanics	*5*
⬚ ELVP22CHE - Chemistry in Engineering	*5*
Year 2	**60**
Monitoring and Control	*30*
⬚ ELVB23CSYS - Control systems	*15*
⬚ ELVB23DCDP - Data Communication and Data Processing	*15*
Signal Processing/Robotics with noisy data	*30*
⬚ ELVB23DSYS - Drive systems	*15*
⬚ ELVB23RCS - Robot Control - Sensor Technology	*15*
Year 3	**60**
Research and Development	*30*
⬚ ELVH17APRS5 - Project Semester 5	*8*
⬚ ELVH19ARE - Reliability Engineering	*3*
⬚ ELVH17ARESS - Research Skills	*2*
⬚ ELVB23ENT2 - Entrepreneurship 2	*6*
⬚ ELVH20AEMB - Embedded Systems	*5*
⬚ ELVH19ACTSP - Continuous Time Signal Processing	*4*
⬚ ELVH17APFS5 - Professional Skills 5	*2*
Internet of things/Entrepeneurship	*30*
⬚ ELVH17APRS6 - Project Semester 6	*8*
⬚ ELVH17AAF - Advanced Filter	*2*
⬚ ELVH17AMATH4 - Mathematics 4	*4*
⬚ ELVH20AIOT - Internet of Things Fundamentals	*5*
⬚ ELVH17ACOC - Community Contribution	*2*
⬚ ELVH17APFS6 - Professional Skills 6	*3*
⬚ ELVH17ACVIP - Computer Vision and Image Processing	*4*
⬚ ELVH19AIAI - Introduction to Artificial Intelligence	*2*
Year 4	**60**
Electives	*30*
electives	
Graduation	*30*
⬚ ELVH18AGP - Graduation Project	*30*