

Table Mapping aspects of IQF level 6 learning
outcomes with Bloom's taxonomy level of cognitive
abilities

	CPL/PLO		Description
1.	Attitudes and Values	[PLO1] Have attitudes and values	Students possess a set of universal and fundamental values and principles: universal ethics, patriotism and world peace, social and environmental sensitivity, pluralism and fair play, and rule of law.
2	Mastery of Knowledge	[PLO2] Foundational and theoretical knowledge	Mastering the foundation of knowledge and theoretical concepts in electronics and instrumentation, which includes electronics, embedded systems, instrumentation, electronic signals, electronic control, physical control, computer systems, computer networks, and intelligent systems.
		[PLO3] Applied knowledge	Mastering applied concepts in electronics and instrumentation, which include modeling and optimization methods for physical and electronic systems, instrumentation, system automation, robotics development, and cyber physical systems supported by intelligent systems.
3	Work ability	[PLO4] Problem solving skills	Able to apply basic, theoretical and applied knowledge that has been obtained, as well as absorb the latest developments through independent and group research to find constructive solutions to problems encountered in the form of systems or products.
4	Managerial Ability	[PLO5] Professional attitudes	Have good interpersonal, communication and learner skills. Specifically able to work together in a team and have a sense of responsibility for one's own work and be able to complete tasks to support the achievement of teamwork results; able to communicate with stakeholders from various backgrounds, use English, and write scientific papers according to the correct rules; have the skills to keep up with the latest developments in the field of electronics and instrumentation in particular and to deepen previously acquired knowledge in the context of lifelong learning.