

**PEMETAAN MATLAMAT PENDIDIKAN INSTITUSI VS. OBJEKTIF PENDIDIKAN PROGRAM (PEO)  
&  
MATLAMAT PENDIDIKAN INSTITUSI VS. HASIL PEMBELAJARAN PROGRAM (PLO)**

**PROGRAM: MASTER OF SCIENCE (MSC) ELECTRONIC SYSTEMS DESIGN ENGINEERING**

**PTJ: P.P. KEJURUTERAAN ELEKTRIK DAN ELEKTRONIK**

**a) Pemetaan PEO - IEG**

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	Graduates who are employed in Electronic Engineering-related fields.	√	√		√	
PEO2	Graduates who are innovative, pursue continuous career development, and participate in society-related activities.	√	√	√	√	√
PEO3	Graduates who have leadership qualities, ethical values, and awareness in sustainability issues.	√	√	√	√	√

**b) Pemetaan PLO - IEG**

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
			IEG1	THINKER
PLO1	Knowledge and Understanding	Apply theoretical knowledge in Electronic Systems Design Engineering	IEG1	THINKER
PLO2	Practical Skills	Perform practical work, procedure and research related to Electronic Systems Design Engineering while adhering to standard requirements and quality control.	IEG1 IEG2	THINKER BALANCED
PLO3	Cognitive Skills	Utilise skills to identify, interpret, evaluate, apply, adapt and solve problems critically and scientifically in Electronic Systems Design Engineering practice.	IEG1 IEG2	THINKER BALANCED
PLO4	Communication Skills	Communicate effectively in verbal and written forms to deliver information, findings and results within Electronic Systems Design Engineering context.	IEG4	ARTICULATE
PLO5	Interpersonal Skills	Demonstrate interpersonal skills, social responsibilities, and teamwork in coordinating activities of Electronic Systems Design Engineering practice	IEG4	ARTICULATE
PLO6	Ethics and Professionalism	Demonstrate high level of moral and values as well as ethical and professionalism in adhering to ethical principles, code of conduct, law and regulations in Electronic Systems Design Engineering practices based on good standards and quality assurance.	IEG2	BALANCED
PLO7	Personal Skills	Use lifelong learning skills in academic and career development.	IEG5	HOLISTIC
PLO8	Entrepreneurial Skills	Apply managerial and entrepreneurial skills in everyday activities and planning by considering the actual scenario and from different perspectives.	IEG3	ENTREPRENEURIAL
PLO9	Leadership, Autonomy & Responsibility	Utilise knowledge and understanding in leadership for effective leadership in the effort to contribute to the advancement of Electronic Systems Design Engineering.	IEG5	HOLISTIC
PLO10	Digital Skills	Demonstrate skills in ICT in various digital application involving technology and data to obtain, process and support information for Electronic Systems Design Engineering practice.	IEG2	BALANCED
PLO11	Numeracy Skills	Demonstrate skills in using and interpreting numerical, visual and graphic data for presentation of information, findings and results in Electronic Systems Design Engineering	IEG1	THINKER