

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

**PROGRAM: TEKNOLOGI KEJURUTERAAN BANGUNAN**

**PTJ: PP PERUMAHAN, BANGUNAN DAN PERANCANGAN**

**a) Pemetaan PEO – IEG**

PEO	PEO statement	THINKER (T)	BALANCED (B)	ENTREPRENEURIAL (E)	ARTICULATE (A)	HOLISTIC (H)
		IEG1	IEG2	IEG3	IEG4	IEG5
PEO1	To nurture knowledgeable and technically competent graduates who are able to solve problems in the Building Engineering Technology discipline for sustainable development.	/	/			
PEO2	To nurture graduates with good leadership, communication skills and teamwork with the right attitudes and ethics.		/		/	/
PEO3	To nurture graduates with ability in research, and the quest for lifelong learning to benefit the society			/	/	/

**b) Pemetaan PLO - IEG**

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
			IEG	IEG ELEMENT
PLO1	Knowledge and Understanding	Able to demonstrate knowledge, theory and practices in Building Engineering Technology	IEG 1	THINKER
PLO2	Cognitive skills	Able to identify and analyze engineering issues in the built environment using appropriate approaches and formulate or design solutions for systems, processes, or procedures to meet desired engineering and societal needs.	IEG 1	THINKER
PLO3	Practical skills	Able to critically identify, evaluate, analyse and propose suitable solutions for any building and construction issues by conducting testing, measurement and experiment.	IEG 1 IEG 2	THINKER BALANCED
PLO4	Interpersonal Skills	Able to work independently, collaboratively and actively as a member or leader undertaking various roles and responsibilities in multidisciplinary setting.	IEG 4 IEG 5	ARTICULATE HOLISTIC
PLO5	Communication Skills	Able to communicate effectively on well defined engineering technology activities with the engineering community and society at large.	IEG 4 IEG 2	ARTICULATE BALANCED
PLO6	Digital Skills	Able to apply appropriate resources, techniques, modern engineering tools and digital instrumentation in Building Engineering Technology.	IEG 2	BALANCED
PLO7	Numeracy Skills	Able to critically identify, evaluate, analyse and propose suitable solutions for any building and construction issues by conducting testing, measurement and experiment.	IEG 1	THINKER
PLO8	Leadership, autonomy & responsibility	Able to work independently, collaboratively and actively as a member or leader undertaking various roles and responsibilities in multidisciplinary setting.	IEG 5	HOLISTIC
PLO9	Personal Skills	Able to recognise the need for, and have the ability to engage in independent and lifelong learning towards engineering technologist.	IEG 5	HOLISTIC

PLO10	Entrepreneurial skills	Able to demonstrate knowledge and understanding of engineering management principles and manage projects in multidisciplinary environment. (PO11)	IEG 3	ENTREPRENEURIAL
PLO11	Ethics and Professionalism	Able to demonstrate high standards of professional values, morals, and ethics in all aspects of Building Engineering Technology practice. (PO6)	IEG 2	BALANCED