

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

PROGRAM: Sarjana Sains (Sains Data dan Analitik) / Master of Science (Data Science and Analytics)

PTJ: Pusat Pengajian Sains Komputer / School of Computer Sciences

a) Pemetaan PEO - IEG

PEO	PEO statement	THINKER (T) IEG1	BALANCED (B) IEG2	ENTREPRENEURIAL (E) IEG3	ARTICULATE (A) IEG4	HOLISTIC (H) IEG5
PEO1	Produce computing practitioners who have advanced knowledge in the field of Data science and Analytics capable of adopting best methodologies, tools and techniques to provide innovative solutions across various sectors.	✓	✓			
PEO2	Produce computing practitioners who have leadership skills, and are able to communicate as well as interact effectively with iverse stakeholders.				✓	✓
PEO3	Produce computing practitioners who have positive attitudes, lifelong-learning capabilities and entrepreneurial mindset for successful career.			✓		✓
PEO4	Produce computing practitioners who uphold and defend ethical and professional practices in maintaining self and professional integrity.		✓			

b) Pemetaan PLO - IEG

PLO	MQF 2.0 DOMAIN	PROGRAM LEARNING OUTCOMES, PLO	IEG ELEMENT	
PLO1	Knowledge and Understanding	Integrate advanced knowledge related to current practices and research issues in Data Science and Analytics.	IEG 1	THINKER
PLO2	Practical Skills	Conduct standard approaches and apply practical skills, tools or investigative techniques which are at the forefront of Data Science and Analytics.	IEG 1 IEG 2	THINKER BALANCED
PLO3	Cognitive Skills	Recommend innovative solutions and ideas that is at the forefront of developments in Data Science and Analytics.	IEG 1	THINKER
PLO4	Communication Skills	Communicate clearly the knowledge, skills, ideas, critique and rationale using appropriate methods to peers, experts and nonexperts.	IEG 4 IEG 2	ARTICULATE BALANCED
PLO5	Interpersonal Skills	Work together and interact effectively with different people in learning and working communities and other groups and networks.	IEG 4	ARTICULATE
PLO6	Ethics and Professionalism	Uphold professional and ethical practices in conducting research and delivering services related to the field of Data Science and Analytics.	IEG 2	BALANCED
PLO7	Personal Skills	Exhibit capabilities to extend knowledge through life-long learning related to Data Science and Analytics.	IEG 5	HOLISTIC
PLO8	Entrepreneurial Skills	Exhibit entrepreneurial mind-set related to Data Science and Analytics.	IEG 3	ENTREPRENEURIAL
PLO9	Leadership, Autonomy and Responsibility	Demonstrate leadership, autonomy, and responsibility in delivering services related to Data Science and Analytics.	IEG 5	HOLISTIC
PLO10	Digital Skills	Competently use and adapt a wide range of suitable digital technologies and appropriate software to enhance professional practice in Data Science and Analytics.	IEG 2	BALANCED
PLO11	Numeracy Skills	Utilise numerical skills to acquire, interpret and extend knowledge in Data Science and Analytics.	IEG 1	THINKER