

				APM PMQ Learning outcomes										
				1. Understand how organisations and projects are structured	2. Understand project Life Cycles	3. Understand the situational context of projects	4. Understand communication within project management	5. Understand the principles of leadership and teamwork	6. Understand planning for success	7. Understand project scope management	8. Understand schedule and resource optimisation	9. Understand project procurement	10. Understand risk and issue management in the context of project management	11. Understand quality in the context of a project
Attribute Group	Attribute	Ceng	leng											
1. Understanding and Practical Application of Engineering	Maintain and extend knowledge of engineering theory and practice, and how technology assists its application	Yes	Yes											
	Solve engineering problems using a sound theoretical approach, based on evidence, and contribute to continuous improvement	Yes	Yes											
	Engage in the creation and/or introduction of new, advancing or improved techniques and technology	Yes												
	Identify, review and select techniques, procedures and methods to undertake engineering tasks	Yes	Yes											
	Take an active role in the identification and definition of requirements, challenges, risks, and opportunities and undertake appropriate investigation and action	Yes												
	Contribute to the design and development of engineering solutions, implement those solutions, and evaluate their effectiveness in the context of the whole project life cycle	Yes	Yes											
	Undertake the design, development and implementation of engineering solutions and evaluate their effectiveness in the context of the whole project life cycle	Yes												
	Exercise sound independent engineering judgement	Yes	Yes											
2. Management and Leadership	Plan the work and resources needed to enable effective implementation of engineering tasks and projects	Yes	Yes											
	Manage the planning and organisation of tasks and resources.	Yes	Yes											
	Manage (organise, direct and control), programme or schedule, tasks and resources	Yes												
	Manage teams or technical specialisms	Yes	Yes											
	Lead or influence teams / technical specialisms, understanding the limits of their skills and knowledge	Yes												
	Assist others to meet changing technical and managerial needs	Yes	Yes											
	Develop others to meet changing technical and managerial needs	Yes												
	Manage quality processes and contribute to quality improvements	Yes	Yes											
3. Commercial Ability	Demonstrate continuous quality improvement and promote best practice	Yes												
	Manage, prepare and control costs/budgets of engineering tasks or projects	Yes	Yes											
	Manage, prepare and control costs/budgets of a significant engineering task or project	Yes												
	Use sound knowledge of statutory and commercial frameworks within their own area of responsibility and have an appreciation of other commercial arrangements	Yes	Yes											
4. Health, Safety and Welfare	Demonstrate sound judgement on statutory, contractual and commercial issues in relation to own area of responsibility	Yes												
	Demonstrate a sound knowledge of legislation, hazards and safe systems of work	Yes	Yes											
	Manage risks	Yes	Yes											
	Manage health, safety and welfare within their own area of responsibility	Yes	Yes											
	Contribute to improvements in health, safety and welfare	Yes	Yes											
5. Sustainable Development	Demonstrate leadership by promoting good practice and improvements in health, safety and welfare	Yes												
	Understand the principles of sustainable development and apply them in work	Yes	Yes											
	Manage engineering activities that contribute to sustainable development and the United Nations' Sustainable Development Goals (UNSDGs)	Yes	Yes											
	Take a professional and responsible role in improvements that support sustainable development and reduce resource demand, set in the context of a whole project life cycle	Yes												
6. Interpersonal Skills and Communication	Communicate well with others at all levels including effective use of English*, orally and in writing	Yes	Yes											
	Discuss ideas and plans competently and with confidence	Yes	Yes											
	Communicate new concepts and ideas to technical and non-technical stakeholders	Yes												
	Demonstrate effective personal and social skills	Yes	Yes											
	Demonstrate awareness of diversity and inclusion	Yes	Yes											
	Proactively manage diversity and inclusion	Yes												
7. Professional Commitment	Understand and comply with the ICE Code of Conduct	Yes	Yes											
	Understand the ethical issues that may arise in their role and carry out their responsibilities in an ethical manner	Yes	Yes											
	Plan, carry out and record Continuing Professional Development (CPD) necessary to maintain and enhance competence in their own area of practice	Yes	Yes											
	Identify the limits of their personal knowledge and skills	Yes	Yes											
	Exercise sound holistic independent judgement and accept responsibility	Yes												
	Engage with ICE activities	Yes	Yes											

Well covered
Moderately covered