

Module Descriptor Version: VF1		
No.	Course Learning Outcomes	Assessments
1	Evaluate the development and relationship of science, technology and environment pertaining to sustainable development in organizations by incorporating Social awareness, efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, with an inclusion of all United Nations-Sustainable Development Goals (UN-SDGs). (C5, PLO6)	Final Exam
2	Justify the practice of professionalism in the working environment as an individual, and as a member or leader in diverse and inclusive teams and in multi-disciplinary, face-to-face, remote and distributed settings. (C5, PLO8)	Final Exam
3	Evaluate the development of engineering in the context of safety, health, social, cultural and legal aspects by incorporating Social awareness, efficient resource use, environmental impacts, whole-life cost, re-use of resources, net zero carbon, with an inclusion of all United Nations-Sustainable Development Goals (UN-SDGs). (C5, PLO7)	Individual Assignment
4	Appraise the roles of engineers in independent and life-long learning towards continuous professional development. (C5, PLO11)	Visit Report/E-Portfolio/NAFEM
5	Report on a societal issue from a professional perspective by taking into account cultural, language, and learning differences such as Visual learners, Auditory learners, Kinesthetic learners, Social learners, Solo learners. (A3, PLO9)	Industrial Assignment

No.	AGMT Task No.	Question Vs Taxonomy																	
		Cognitive Level						Psychomotor Level						Affective Level					
		1	2	3	4	5	6	1	2	3	4	5	6	7	1	2	3	4	5
CLO4	1,2,3,4					100M													
	POM					100%													

Objective

The objective of this E-Portfolio is to critically analyse and reflect on the attainment of Programme Outcomes by evaluating the development of professionalism while appraising the growth of independent and life-long learning capabilities through critical thinking and engagement with emerging and cutting-edge technologies.

1. Self-Introduction

Provide a concise and professional self-introduction as an aspiring engineer in your relevant field. The introduction should highlight your development throughout your degree studies with respect to:

- Professionalism in engineering practice
- Exposure to and interest in emerging and cutting-edge technologies
- Your journey as an independent, life-long learner, including critical thinking, adaptability, collaboration, and contribution to innovative engineering solutions at local and global levels.

The aim is to allow future employers to gain insight into your professional values, learning mindset, and readiness for the engineering profession.

2. SWOT Analysis

Critically analyse your Programme Outcome (PO) attainment using a SWOT analysis (Strengths, Weaknesses, Opportunities, and Threats).

Your analysis should focus on:

- Strengths and weaknesses related to professionalism and decision-making
- Independent learning habits, life-long learning readiness, and ability to engage with new and advanced technologies
- Opportunities for improvement and potential challenges that may impact your professional growth
- Demonstrate critical thinking by linking your SWOT analysis to your academic and practical learning experiences during the degree programme.

3. PO Attainment and Evaluation

Reflectively evaluate your Programme Outcome (PO) attainment throughout your studies by:

- Appraising how your learning experiences contributed to the development of professional conduct and inclusive engineering practices
- Analysing your ability to engage in independent and life-long learning, including the application of critical thinking and adaptation to emerging technologies
- Identifying areas of excellence and performance gaps, supported by self-evaluation, course assessments, or practical experiences
- Explaining how these reflections and evaluations guide continuous improvement toward your future academic, professional, and career goals

4. Conclusion

Summarise your overall E-Portfolio by integrating key reflections on:

- Your attainment of Programme Outcomes related to professionalism
- Your growth as an independent, critical, and life-long learner prepared to face technological advancements
- Your readiness to enter the engineering profession with strong ethical values and continuous learning capability

The submission should follow the guidelines and grading criteria provided.

Grading Criteria (100%)

a) Report documentation	100%
(i) Self Introduction	20%
(ii) SWOT analysis	30%
(iii) PO Attainment and Evaluation	30%
(iv) Conclusion	20%