MHJ5342 Technology, Society and Environment

Level	5
Course Code	MHJ5342
Course Title	Technology, Society and Environment
Credit value	3
Core/Optional	Core (Computer)
Course Aim/s	To explain the interconnectedness of technology with human society and natural environment and to develop the capacity of students to work effectively as engineers in real world situations where both the social and the environmental matter.
Course Learning Outcomes (CLO):	At the completion of this course student will be able to CLO1: Explain the interconnectedness of technology with society, environment, and development in designing an engineering solution. CLO2: Analyze the power dynamics of research and development in the field of science and technology in Sri Lanka. CLO3: Argue the effects of modern technology on climate, health, gender, and aesthetics and describe mitigation measures. CLO4: Formulate how sustainable development principles can be applied to the production process; formulate attributes for EIAs and SEAs as tools for sustainability.
Content	**Outline Syllabus:** Unit 1: Engineer and Society Unit 2: Engineer and Environment