

Portfolio Task 3: Information Skills

(This piece of work is worth 20% of the total module mark)

Activity task:

To demonstrate your ability to review and then communicate information, produce a document to convince a reader about the benefits of a recent advancement in your discipline.

Choose one of the following topics to review and then write about. Within your chosen topic, it is expected that you will select **one or two areas to focus on**, as the strict word limit will not allow you to consider whole subject areas in detail.

Nanotechnology
Smart Materials
Rapid Prototyping

Bioplastics
Unmanned Vehicles
Production Methods

Domestic Renewable Energy
Energy Recovery Systems
Design Techniques

Review the literature on your chosen topic and write a persuasive piece, identifying and commenting on any key legislation, codes of practice or regulatory standards which may have (or had) an impact on the advancement **(up to 600 words)**.

Write in a style appropriate to the Engineering Discipline e.g. avoid personal opinion, be clear and concise and avoid colloquialisms.

This work should be completed individually. All literature used must be referenced using the **numbered referencing system**. Reference lists can be submitted on a separate page and will not count towards the one A4 page limit.

Learning Outcomes:

Upon completion of this final portfolio piece the student will be able to:

- Demonstrate an awareness of relevant legal or ethical requirements linked to their chosen topic.
- Demonstrate the need for a high level of professional conduct in engineering, both within discipline developments and within written communication.
- Appreciate the skills required to review, prioritise and present information according to styles appropriate to the discipline and using standard referencing techniques.

Mark scheme for Task 3	Maximum mark available
Clear argument put forward to convince the reader about the benefits of your chosen advancement	7
Consideration of appropriate codes, legislation or standards	5
Appropriate technical writing style	5
A range of sources correctly referenced	3

Please refer to front sheet for further information regarding assessment and feedback, referencing and academic integrity.
