

Galway-Mayo Institute of Technology

BSc (Hons) – Software Development – Year 4

Research Methods in Computing & IT

Assessment Methodology

1. Formal Literature Review (Individual Activity) 70%

- You are required to write a formal literature review on any area of active research you choose related to the field of Computer Science. Your literature review should be of the order of 2,000 (minimum) to 3,000 (maximum) words (not including bibliography / references section).
- Your literature review should include at least eight credible, peer-reviewed sources (journals, conferences etc...). A higher count than ten is strongly encouraged.
- It is suggested, but not mandatory, that you write your literature review using the LaTeX document preparation system and the BibTeX reference management system. We'll be covering these in class.
- Regardless of whether you use LaTeX or Word, the relevant [IEEE Computer Society Journals template](#) should be used to format and structure your document. The submitted document should be a PDF.

Notes:

- Your literature review should be properly structured and aim to articulately and concisely:
 - Survey the literature in your chosen area
 - Synthesise the information in that literature into a summary
 - Critically analyse the information gathered by
 - identifying gaps in current knowledge
 - showing limitations of theories/perspectives/approaches
 - reviewing areas of controversy
 - identifying areas for further research.
- It is likely that a minimum of 12 – 15 high quality literary sources will need to be read to deliver on this requirement.
- This needs to be written in your own words (as well written as possible), suitably supported by reference to the literature. Take care to avoid plagiarism. Properly referring to others' work without plagiarising is a key learning outcome of this exercise and is a core requirement of the assessment. *We will cover referencing techniques in forthcoming class sessions.*
- Please don't submit a document full of spelling mistakes. It will make me so sad. Use the awesome power of modern technology to check your spelling.

Deliverables:

- PDF document, correctly formatted. Minimum 2000 words.
- Due date: **Friday 7th of December 2018 by 1:00 PM** (submit via Moodle).