University of Westminster
School of Computer Science and Engineering
4COSC008C Trends in Computer Science
Weighting: 50%
CW set: 05/03/24
Deadline: 11/04/24, 13.00pm
Submission: a copy of your Employability Portfolio needs to be uploaded on a single file (NOT a zip file) to the relevant link on BlackBoard on or before 11/04/24 at 13.00.

CW2: Employability Portfolio

A. Aim

The purpose of this course work is to allow you to acquire and practice different essential learning and professional skills, as per the module's learning outcomes LO1, LO2 and LO5. In particular, it aims to give you the opportunity:

- To reflect on the role of Computer Science as a discipline and its different branches, its relationships to other scientific and technological disciplines, and the social effects it has had.
- To discuss with confidence key features of current trends in Modern Computing and their impact on your career planning and employability prospects.
- To engage in research and work within a commonly accepted academic and professional framework which employs appropriate styles of documentation and referencing.

B. Learning Outcomes (LO)

This course work reflects the module's summative assessment strategy, which involves an Employability Portfolio coursework.

LO1 Reflect on the role of Computer Science as a discipline and its different branches, its relationships to other scientific and technological disciplines, and the social effects it has had;

LO2 Construct an employability portfolio including CV, covering letter and be able to undertake appropriate research into perspective employers and networks.

LO3 Summarise the key components of a professional code of conduct and reflect on how the concepts it enshrines will affect your professional life;

LO4 Work as a team to prepare a presentation on the legal and ethical aspects of specified case studies; and produce a report detailing your work.

LO5 Engage in research and work within a commonly accepted academic and professional framework which employs appropriate styles of documentation and referencing.

C. BCS Core module accreditation criteria covered by this course work

2.1.1 Knowledge and understanding of facts, concepts, principles & theories.
2.1.6 Recognise legal, social, ethical & professional issues.
2.1.9 Knowledge of information security issues
2.3.1 Work as a member of a development team
2.3.2 Development of general transferable skills

D. Employability Portfolio Tasks

You need to engage **with all four** tasks below. Stated word limits need to be respected (+/- 5%, excluding the References).
For each task you will need to identify, by undertaking research, relevant and reputable sources, as per the instructions below, in addition to other sources provided as part of lectures, tutorials and independent study.

You will need to submit all four tasks on a single file (such as pdf). Please do not submit a zipped file nor a folder.
Each piece of work should have a separate introduction, conclusion and references' section where appropriate.
This is an individual piece of work; no two Employability Portfolios can be identical, in part or in full. You cannot use others' work unless you reference it.

1. **Employability and career planning- Reflective writing**
   Write a reflection (800 words) on the way current Trends in Computer Science impact on your career planning.

   In your response, you need to discuss
   - potential specialisms you are considering as part of your future career;
   - option modules at levels 5 and 6 you are considering, which will help you achieve your career aims;
   - a minimum of two employability related events you have already attended and how it supported/ will support your future career;
   - what further steps you need to take to prepare for your future career as part of your studies.

   In your response you need to refer to at least one appropriate and trustworthy source, and include it in your References' section.

The following links from the Student Hub will be useful:
https://www.westminster.ac.uk/current-students/support-and-services/careers-and-employability-service
https://www.westminster.ac.uk/current-students/employability
https://www.westminster.ac.uk/current-students/studies/study-skills-and-training

You will need to use reflective writing.

Reflective writing includes
- a short description of the activity/project/ subject etc. in question;
- an analysis/interpretation of the outcome: thinking in depth and from different perspectives and trying to explain the outcome.
  This might involve thinking what a specific subject, piece of work, or achievement means to you and your on-going progress as a learner.
- The analysis is followed by an evaluation and a set of actions to be taken.
  Evidence of critical reflection is demonstrated by the learner's awareness that actions are needed to be taken.

Unlike academic report writing, when we write reflectively we use the first person 'I', as this type of writing focuses on the author, yourself, taking stock of your strengths and areas that you need to improve, and setting up measurable goals for the future.

2. **Cyber Security: report writing**
   Write an academic report exploring the role of an expert in Cyber Security. What qualifications or skills should they have? What are the Cyber Security job opportunities currently in Sri Lanka? What are the specialisms within the field you would consider and why? (800 words)

Structure your response in the form of a report. For your answer consider at least two reputable sources, cite them in-text and include them in your References' section.

3. **CV and Cover letter**
   Identify a computing-related job advert of interest to you, and write a cover letter (one page) and CV (up to two pages) in response to the advert. Please include a copy of the advert with your submission.

4. **GenAI reflection**
   Write a 400 words reflection including the following:
   i. How do you foresee Generative AI tools changing the way you study or work?
   ii. Do you use Generative AI tools (such as ChatGPT) for your studies? How?
   iii. How do you ensure that academic integrity (e.g. avoidance of plagiarism, adherence to University regulations) is respected?
   iv. How do you ensure that the results you get from generative AI applications are trustworthy?
   v. How can you make sure that inequalities are not exacerbated by generative AI tools?

   Please consider at least two reputable sources for your response, and present them as in-text citations, as well as in your References' section.

E. Further information on Referencing

All three refection should include a separate References section, where the sources you consulted/referred to in your work are listed. You might use either an alphabetic referencing system such as the Westminster Harvard or a numerical referencing system such as the IEEE/Vancouver referencing system. Information on referencing can be found in your course Handbook as well as at the Library self-help guide on 'How to reference your work', available at
https://libguides.westminster.ac.uk/referencing
and https://libguides.westminster.ac.uk/referencing/examples

F. Marking scheme

The marking scheme for this course work can be found on pages 4-5 of this document.
A rubric will also be uploaded on BB.

G. Avoid Academic Misconduct

Please avoid committing an act of academic misconduct, such as Plagiarism. Before submitting your coursework, do consider the Academic Regulations section 10, which can be accessed at
https://www.westminster.ac.uk/current-students/guides-and-policies/academic-matters/academic-regulations

Your tutor and module leader will be able to advise you and support you on any questions you might have.

4COSC003W Trends in Computer Science
Module Leader: Dr Maria Chondrogianni
Academic Member of Staff marking this CW:
Tutorial slot:

CW2 Portfolio (weighting 50%)

Student Name:
Student ID:
Group:
Student Course:
Overall mark: **/100**

Marking Scheme	Marker's Comments	Mark
1. Relevance of tasks i. How relevant is the content to the requirements of the task? ii. How accurate is the information presented?	Full marks will be given to students who submit work which directly discusses all aspects of each reflection, and where the content's accuracy is supported through in-text citations.	**/30**
2. Confidence in discussing current Trends in Computer Science How confident is the student in exploring different Trends in Computer Science?	Full marks will be given to students who are able to extend taught material through research and offer a synthesis of different topics.	**/15**
3. Structure and coherence Do the responses to tasks follow an appropriate structure (i.e. reflective/report writing)? Is the information presented coherently?	7-10 marks: excellent structure, excellent use of bridges across sections 4-8 marks: good/very good structure and coherence (e.g. attempt to introduce/conclude the topic, clear analysis) 0- 3 marks: problematic structure and coherence	**/15**
4. Evaluative/ analytical skills and support for claims. To what extent is there evidence of critical reflection? To what extent are claims supported by research?	Students will receive full marks if they demonstrate that their arguments are based on research. A minimum of three reputable sources are expected to be referred to in addition to sources provided in class.	**/15**
5.Referencing To what extent is in-text referencing accurate? To what extent is the References' section accurate?	Full marks will be given for students who use an alphabetical or a numerical referencing system accurately and consistently.	**/10**

6. Writing style To what extent is the language used appropriate?	Full marks will be allocated to students who use appropriate academic language (1st person for reflective writing; 3rd person for report writing).	**/10**
7. Word count To what extent do the reflections meet the word limit requirement?	Full marks will be allocated to students who respected each reflection's word limit (800 words +/-5%, excluding the References section).	**/5**
		Total mark: ……/100

Comments:
