

Assignment Brief: Comp3402 Nature of Computing 2023-24 Sem 1&2

Assignment 3 (Part1)	Position Paper 3 (Part 1) Energies Option
Word Limit or equivalent (e.g. time)	No word limit. Indicative time 14 hours
Weighting	15%
Learning Outcomes Assessed	(4) Critically evaluate the structure and function of autonomous intelligent systems.
Submission date	'Early-Bird' 12 th April 2024 15:00 'Official' 3 rd May 2024 15:00
Feedback date	20 days following the respective submission date
Module Leader	Dr. Colin Price c.price@worc.ac.uk
Verified by	Bradley Carwardine

If anything about this assignment is not clear to you, please contact your module leader.

<p>What do I need to do to make a success of this assignment?</p>	<p>This assignment is a 'Mini-Project' which you can choose from a range of options. discussed during the final session of Semester1 and published on the module web pages. There are two classes of options: (i) Energies and (ii) WeeBee Engine. This document refers to the Energies Option.</p> <p>You will work in teams (minimum size 2), the assignment will be individual, though you may share code, images, graphs and data.</p> <p>For the Energies Options you will need to plan and conduct a range of investigations on your chosen device(s). You will use your collected data to (i) outline the main operating principles of the device, (ii) make some suggestions how useful the device is on contributing to our energy needs, and (iii) outline any limitations of the device on energy production.</p> <p>You should at least have an initial plan of how to start the investigation. Further planning may adapt according to your findings.</p>
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<p>How should I present my work?</p>	<p>A good way of organizing your paper would be in the following sections:</p> <ol style="list-style-type: none"> 1. Abstract, perhaps a single paragraph where you summarize what the reader is about to read. 2. Body of your report. This could take the form of a diary or journal which unfolds over time. At each stage <ul style="list-style-type: none"> ○ Tell me about your justification for the investigation. ○ Include raw data and summary graphs. ○ Draw some conclusion from the investigation. ○ Tell me how you decided to plan the following investigation. 3. Final Conclusion where you state <ul style="list-style-type: none"> ○ The basic operating principles of the device – how it works. ○ Your thoughts on how the device can contribute to our current energy needs. ○ A reflection on limitations of the device in producing energy. <p>In addition, you will supply,</p> <ul style="list-style-type: none"> ● Your Learning Conversation. Various approaches will be discussed during the briefing session. <p>You are not required to include any references in this paper, but you may choose to if you feel this strengthens your paper.</p>
<p>How can I obtain guidance on my assignment?</p>	<p>You can show your tutor your work in progress at any time no later than three days before the submission deadline to enable you to review and address feedback provided to develop your work.</p> <p>The assignment briefing will be given w/c 19th February 2024. Selection of options will be made in class w/c 18th December 2023. You may as for any additional support or guidance in class or via email c.price@worc.ac.uk</p>
<p>How and when do I hand my assignment in?</p>	<p>Your work must be word-processed/typed and should clearly show your student number. You should submit your work by the 3pm deadlines indicated above. You should submit your work to Blackboard which is available via <u>MyDay</u>. You are required to keep a copy of work handed in.</p> <p>See the separate Assignment Support Information document on Blackboard for help on how to submit or what to do if you are having trouble submitting your assignment.</p>

How will my assignment be marked?	<p>Specific marking criteria for your assignment will be provided in the Grading Matrix within this document.</p> <p>You are strongly advised to check your completed work against the Grading Matrix to ensure have completed all areas required before you submit it.</p> <p>You should also ensure you adhere to the word limit / word count stated in your assessment brief document, details of which can be found in the University's Assessment Policy http://www.worc.ac.uk/aqu/documents/AssessmentPolicy.pdf</p>
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L6 Grading Matrix for Comp3402 Position Paper 3 (Part 1) Energies Option

This matrix captures the assessment criteria for this part of the coursework.

Student Name:		Assignment No: 3	Weighting: 15%
Module Code:	Comp3402	Assignment Title: PP3 (part1)	Energies Option
Module Title:	Nature of Computing	Semester: 1&2	
Learning Outcomes being assessed: LO4. Critically evaluate the structure and function of autonomous intelligent systems.			

To best understand this matrix, start by reading the 'baseline' grade C.

Knowledge and understanding		Autonomy in Learning	Communication
		80%	20%
Investigation - Planning	Investigation – Data Collection and Analysis	Learning Conversation	
A Plan evolves leading to choice of subsequent investigation AND judicious selection of independent variable.	Investigations lead to critical analysis of contributions of the device to energy requirements AND limitations of device in producing energy.	Conversation shows shared thinking AND exploratory talk.	
B Plan evolves leading to choice of subsequent investigation OR judicious selection of independent variable.	Investigations lead to critical analysis of contributions of the device to energy requirements OR limitations of device in producing energy.	Conversation shows shared thinking OR exploratory talk.	
C Evidence of initial plan or justification.	Data collected, presented and conclusion about device functioning.	A Learning Conversation is presented	
D Attempt at planning, though sequence of investigations is somewhat arbitrary.	Investigation attempted, though there are errors in data presentation or conclusions made.	Attempt to produce a Learning Conversation	
Fails Little or no evidence of any planning.	Little or no evidence of suitable investigations, lack of data presentation, lack of conclusions.	Little or no attempt to produce a Learning Conversation.	

My approach to supporting and assessing SPaG on this assignment will appear on the Module Webpage and will be explained during the introductory session 25th September 2023.

RESULTS ARE PROVISIONAL UNTIL AGREED BY THE BOARD OF EXAMINERS

