**ECS7022P: Computational Creativity Project *Template***

*Please delete all the text in grey, including this!*

*This report should be exported as a single PDF file and submitted on QM+.*

*Don’t forget to include the code from your Colab notebook at the end.*

Project Title:

Student Name:

Student ID Number:

HTML Link to Colab Notebook [required]:

HTML Link to System Outputs [optional]:

**Project Overview** [10%] *(Max 300 words)*

*Include details of (i) the types of artefacts your generative AI system produces (ii) how your system works in overview (iii) what motivated you to undertake this project.*

**Generative Models** [10%] *(Max 300 words)*

*You are expected to employ one or more generative neural models as part of your AI system. Include details here of these models, such as the type of architecture, how they were trained, what inputs and outputs they produce, what the training data was and the quality of outputs.*

**Process** [15%] *(Max 300 words)*

*Describe how your system generates artefacts, including details of (i) inputs to the system (ii) how the neural models are employed (iii) how outputs are assessed and displayed (iv) how users can interact with the system (v) the flow of data through the system and (vi) any other details you deem appropriate. Use diagrams to describe the system as you see fit.*

**Example Outputs** [10%]

*Use as much space as you need to display sample outputs from your system here. If it is more appropriate, put your outputs on a web page or in other online storage and put a link to this at the top of this document. The project will not be assessed in terms of the quality of the outputs produced, but you should provide some here.*

**Evaluation** [20%] *(Max 300 words)*

*There are a number of ways in which you can evaluate your system in terms of its output and/or how it operates, or alternatively in terms of user interaction or higher level issues of computational creativity. The project will not be assessed in terms of the quality of the output, but the evaluation needs to be thorough and correct. Use graphs or diagrams of the results as you see fit.*

**Value Added** [20%] *(Max 500 words)*

*Use this space to make a case that you have added value to the project in one of the following ways:*

* *Training one or more neural models rather than using pre-trained ones.*
* *Implementing multi-modal capabilities over multiple artefact domains.*
* *Implementing a casual creator or other type of user-interface.*
* *Implementing additional non-deep learning generative techniques.*
* *Addressing one of the higher-level philosophical issues covered in the lectures.*

*If you have added value in any other way, please include details of this here.*

**Colab Notebook Code** [15%]

*Paste the code from your Colab notebook here, and/or use screenshots if that is more appropriate. The code will be assessed in terms of your understanding of python, Colab notebooks and generative deep learning, as well as how evaluations or combination of systems, UK details, etc. are undertaken.*

**Usage of Automated Coding Tools**

*You are encouraged to use automated coding tools such as GitHub CoPilot or ChatGPT, but this is not a requirement. If you have used them, please state here how they were employed, what effect they had on your project and your productivity, and (importantly) how you checked the code that was produced. There are no marks for this, but usage of coding tools without a statement here may be penalised.*