BSc Project Screening Form: Guidelines

Part 1 – Project Proposal

Student Name	Janakan
Student Number	**2525958**
Degree Pathway	Software engineering
Supervisor Name	Niroji Thayalan
Course Coordinator name	
Title of Project	Real-Time Face Emotion Recognition System Using CNN-Based Deep Learning and Computer Vision to Improve Participants Engagement in Live Meeting Platforms
Abstract of the project	In today's world, most professional and educational meetings happen online . But platforms like Zooms,Microsoft Teams and Google Meet cannot easily understand how people feel during a meeting.This project creates a Real-Time Face Emotion Recognition System that can automatically analyse people's facial expressions during online meetings through a webcam . (Use CNN-based deep learning and computer vision). The system can identify emotions like happiness,confusion,boredom,anger and sad .It gives the meeting host quick feedback about how people are feeling. With this details ,the host can change the speaking style to keep everyone's attention.The system also includes a love dashboard and reports that show how emotions change during the meeting. This project system aims to enhance online meetings more engaging,effective and emotionally aware by using CNN and deep learning technology.
Project deliverables	▪ List the deliverables of your project

Description of your artefact	▪ Context of project with reference to relevant existing products, services and work (i.e. how does your artefact relate to what other people have done) ▪ Aim & objectives of the project ▪ List of features that the artefact will include ▪ Identify added value that the project provides ▪ Identify the intellectual challenges involved
What methodology (structured process) will you be following to realise your artefact?	▪ Describe approach that will be employed to develop your project artefact (this should also show how you plan to test and evaluate the work) ▪ Justify the appropriateness and suitability of your approach for realising your artefact
How does your project relate to your degree course and build upon the units/knowledge you have studied/acquired	▪ Highlight aspects of the project that correlate with knowledge and skills acquired from your course of study
Resources	▪ List ALL the resources required to develop your artefact ▪ Be clear on which packages, tools, languages and environments will be used and are available on campus

Have you completed & submitted your ethics form?	YES	NO

If the project is a development of previous work by yourself or others, give details below. Failing to declare such previous work here may be treated as an academic offence

Supervisor Signature:

Course Coordinator Signature

After the proposal has been signed off by both the supervisor and course coordinator scan the proposal and upload on BREO <u>with</u> signatures. Projects that follow proposals that have not been approved may be cancelled and there will be no compensation for any time lost

Part 2 – List of relevant resources

Fill in this section <u>after</u> your project proposal has been approved by your supervisor. Use Harvard referencing (see https://lrweb.beds.ac.uk/a-guide-to-referencing). Modify the list below as appropriate. This list is part of Assignment 1 and will be submitted with the Project Proposal.

1. *Books*
   a. …
   b. …
2. *Journal Papers*
   a. …
   b. …
3. *Web Sites with relevant information*
   a. …
   b. …
4. *Relevant software*
   a. …
   b. …
5. *Relevant hardware*
   a. …
   b. …
6. *Other*
   a. …
   b. …