University of Lincoln
School of Engineering and Physical Science
PGT Criterion Reference Grid 2024-2025

CMP9780M Applied Signal and Image Processing **A01** 2024-2025

Learning Outcome	Criterion	Pass	Merit	Distinction
[LO1] Critically evaluate and apply the theories, algorithms, techniques, and methodologies involved in signal and image processing.	Criterion 1: Evaluate the Signal Processing Methods. (**50%**)	The report provides basic steps to solve the signal processing tasks. The discussion demonstrates a basic understanding of the chosen techniques for analysing the signals, including basic comments on whether the techniques could be used to extract suitable features for a classification task and an inaccurate description of how these features could be used in a classification task.	The report provides clear steps to solve the signal processing tasks. The discussion demonstrates a good understanding of the chosen techniques for analysing the signals, including good comments on whether the techniques could be used to extract suitable features for a classification task and a good description of how these features could be used in a classification task.	The report provides detailed steps to solve the signal processing tasks. The discussion demonstrates an excellent understanding of the chosen techniques for analysing the signals, including adequate comments on whether the techniques could be used to extract suitable features for a classification task and an excellent description of how these features could be used in a classification task.
[LO2] Design and implement solutions to a range of signal and image processing applications and problems and evaluate their effectiveness.	Criterion 2: The Signal Processing Software. (**30%**)	The software implements part of the solution to the proposed application. There are some critical errors in the implementation and design of the software.	The software implements a good solution to the proposed problem but there are some non-critical errors in the design and implementation of the software.	The software implements an excellent solution to the proposed problem, and the software does not contain any significant error in the design and implementation, which are both very appropriate.
	Criterion 3: The Video Demos. (**20%**)	The student submitted the two 3-minute video clips for the signal processing tasks. The key features of the applications are demonstrated in the video, with the student displaying a basic understanding of the methodologies utilised inside the program codes.	The student submitted the two 3-minute video clips for the signal processing tasks. The key features of the applications are demonstrated in the video, with the student displaying an average understanding of the methodologies utilised inside the program codes.	The student submitted the two 3-minute video clips for the signal processing tasks. The key features of the applications are demonstrated in the video, with the student displaying an in-depth understanding of the methodologies utilised inside the program codes.
Weighting is 50% of the module	All criteria in this assessment are weighted as indicated above			