Project Assessment Sheet

Student Number	Family Name	First Name

This project is to be attempted on an individual basis.

Declaration of Originality:

The work contained in this assignment, other than that specifically attributed to another source, is that of the author. It is recognised that, should this declaration be found to be false, disciplinary action could be taken and the assignments of all students involved will be given zero marks. In the statement below, I have indicated the extent to which I have collaborated with other students, whom I have named.

Statement of Collaboration:

Signature

Evaluation

When we evaluate an assessment item, we will use the following criteria:

G = All relevant material is presented in a logical manner showing clear understanding, and sound reasoning. For software - evidence of correct coding style, efficient implementation and / or novel (and correct) code.

A = Most relevant material is presented with acceptable organisation and understanding. For software – some code may be prone to errors under certain operating conditions (e.g. input parameters) or usage, style may have inconsistent sections, occasional inefficient or incorrect code.

P = Little relevant material is presented and/or code displays poor organisation or understanding of the underlying concepts.

Oral Defence

During the demonstration session you will be asked a number of questions based on material which you have learnt in the subject and then used to implement the assignment. You are expected to know exactly how your implementation works and be able to justify the design choices which you have made. If you fail to answer the questions with appropriate substance then you will be awarded zero for that component.

DOR – Basic Functionality

Self-assessment: indicate your mark and grade, and provide evidence with the filename and line number.

Mark	Grade	Item	Comments	Filename(s)	Line Number(s)
/4	**G A P**	Three phase.	Three channels operate independently.		
/6	**G A P**	True RMS.	Measurement is a true RMS reading.		
/6	**G A P**	Characteristic timing.	Inverse, Very Inverse, Extremely Inverse.		
/2	**G A P**	Sample rate.	16 samples per cycle at 50 Hz.		
/2	**G A P**	Settings / interrogation.	Tower protocol expanded to set and interrogate the DOR via a PC.		
/20		**SUBTOTAL**			

DOR – Intermediate Functionality

Self-assessment: indicate your mark and grade, and provide evidence with the filename and line number.

Mark	Grade	Item	Comments	Filename(s)	Line Number(s)
/6	**G A P**	RTOS.	Multiple threads are used with an RTOS – i.e. one thread for each channel, one thread for PC communication, etc.		
/6	**G A P**	Sample rate.	16 samples per cycle (i.e. frequency measurement to 0.1 Hz and tracking). Tower protocol can interrogate the DOR for the frequency.		
/12		**SUBTOTAL**			

DOR – Advanced Functionality

Self-assessment: indicate your mark and grade, and provide evidence with the filename and line number.

Mark	Grade	Item	Comments	Filename(s)	Line Number(s)
/8	**G A P**	Sensitive fault mode.	Only responds to fundamental component of input waveform.		
/8		**SUBTOTAL**			