ELEC5614 Group Project: Develop a Real Time System

Deadline: Week 13

Worth 15% of Course Grade

In groups of 3 or 4 develop the following deliverables and email to Dr Frank Moisiadis [frank.moisiadis@sydney.edu.au](mailto:frank.moisiadis@sydney.edu.au) or at [frank@moisiadis.com](mailto:frank@moisiadis.com) or bring to lecture in week 13.

Select your own small Real Time System or a Real Time component of a larger system.

Deliverable 1:

Develop 1 use case diagram for your system. (1 page worth 5 marks)

Deliverable 2:

Write functional and non functional requirements for your system. (3-5 pages worth 5 marks)

Deliverable 3:

Develop state diagrams, sequence diagrams and any other design diagrams you think you need (3-5 pages worth 5 marks)

Deliverable 4:

Develop the code for a part of the Real Time System (worth 20 marks)

Deliverable 5:

Develop the test cases to test the code you write in deliverable 4 (3 pages worth 5 marks)

Total 40 marks