Final Peer Review Rubric – ECEE 5318, RT Embedded Systems Project

Peer Assessment of Design and Analysis Reporting and Video Walk-through			
Rubric	**Score**	**Possible**	**Notes**
Final Report contains clear diagrams and written materials: 1. System block diagrams and flowcharts 2. Real-time requirements – S, WCET, T, D 3. RT analysis – feasibility, response jitter, and real-time service execution time 4. Documents solution demonstration and testing done in prior reviews 5. Error free, in depth, and well debugged 6. Follows real-time and functional requirements and Rate Monotonic (RM, EDF, LLF and BE) scheduling policies 7. Includes analysis, timing plots, traces, code, and RMA models 8. time-stamp tracing for WCET, profiling, deadline misses / request 9. Professionally prepared 10. Complete, clear, correct, and consistent		10	
Final Video Walk-through of Design is well presented: 1. Presents diagrams and flowcharts 2. Presents S, WCET, T, D 3. Presents RT analysis 4. Summary of testing completed 5. Error free, in depth, presented clearly 6. Summarizes real-time and functional requirements 7. Includes analysis, timing, traces, and profiles 8. Presents detailed time-stamp tracing for WCET, profiling, deadline misses / request 9. Professionally prepared 10. Complete, clear, correct, and consistent		10	
DESIGN TOTAL		**20**	
Video Demonstration for Verification by Peer			
MINIMUM goals met (3 minutes, Twice) 1. 2 or more RT services on one AMP core. 2. 1 Hz, non-blurry, unique, monotonic seconds, no glitches for ticking clock. 3. PPM or PGM with correct timestamp 4. 180+1 frames acquired at 1 Hz, glitch-free, Twice in a row.		4	
TARGET goals met (3 minutes at 10 Hz) 1. Runs 10 Hz or 1 Hz frame acquisition rate and can save all 1800+1 images. 2. Additional feature with enable/disable.		3	

3. Re-run MINIMUM tests with feature on.			
STRETCH goals met (3 minutes, Twice) 1. Runs at 10 Hz, non-blurry, unique, monotonic to 1/10th of second, Twice in a row, glitch free for stopwatch. 2. Tested and proven predictable response with additional feature on and off 3. Frames can be saved as PPM or PGM or transformed with additional feature		3	
DEMONSTRATION TOTAL		**10**	

Score [0…10] - 0…4=incomplete, 5=unsatisfactory, 6=passing, 7=average, 8=good, 9=outstanding, 10=exceptional