

Evaluation rubric for the communication busses experiment

Evaluate the journal and solution and note down comments for each of the aspects below
Give each of the overall aspects a score (0-2) based on your evaluation

Feedback for group number:
Evaluated by (student id):

			Yes, very good	Yes, adequate	No, not sufficient
#	Aspect	Consider the following	2	1	0
1	Experiment results	For the I2C part: 1. Is the temperature data read? 2. Is the temperature data converted to celcius? 3. Is there a screenshot, where you can see a console with the temperature output from the UART? 4. Is there one or more oscilloscope plot(s) of the I2C communication? 5. Are the different parts of the I2C protocol explained using the oscilloscope plots? 6. Is the temperature data read from multiple sensors on the I2C bus? 7. Did the group experiment with changing the delay between temperature reads, to see if they could read with shorter delay than stated in the datasheet? For the SPI part: 1. Is there SPI communication between two PSoC's? 2. Is it possible to toggle the LED state (on/off) on the SPI Slave PSoC, by sending commands from a console to the UART on the SPI Master PSoC? 3. Does the SPI Master PSoC receive the button state (pressed/not pressed) from the SPI Slave PSoC? 4. Is there a screenshot, where you can see a console with the button state from the SPI Slave PSoC, output from the UART on the SPI Master PSoC? 5. Is there one or more oscilloscope plot(s) of the SPI communication? 6. Are the general parts of the communication explained using the oscilloscope plots? 7. Is the protocol between the SPI Slave and SPI Master explained?			
2	Journal quality	1. Does the journal have a good structure? 2. Is the journal easy to read and understand (i.e. there is a good flow)? 3. Are the experiment objective(s) described? 4. Are the experiment results described and concluded upon? 5. Are the complicated parts of the experiment documented?			
3	Source code quality	1. Are you able to understand the code? 2. Does the complex parts of the code have good comments? 3. Is the coding style coherent? 4. Are there separate header and implementation files? 5. Is there a proper separation of responsibility between the different files? 6. Does the header files have comments (and are they correct)?			
4	Experiment documentation	1. Are there photos of the experiment setups? 2. Are there diagrams of the experiment setup? 3. Are the connections listed? 4. Are the connections documented (both purpose and type)? 5. Are the components (e.g. motors, scale, sensors) identifiable?			
5	Experiment execution	1. Is the experiment execution described? 2. Are the experiments conducted in a structured manner? 3. Are the expected results described? 4. Are the actual results described and explained?			