Bangladesh University of Engineering and Technology

CSE 315 January 2021 Assignment

Deadline: 11.55 PM, Wednesday, 15th week

1. Briefly explain the Two-Wire Interface (TWI/I2C).
2. What are the advantages of TWI/I2C compared to SPI and USART?
3. What are the disadvantages of TWI/I2C compared to SPI and USART?
4. How does I2C ~~handle~~ prevent data ~~loss~~ overrun on slave?

Submission Guidelines:

* You have to submit the assignment in LATEX.
* Write everything in a single tex file. If you want to include images, put images in an “images” folder.
* Generate the pdf too.
* Put your images, pdf and tex file in a folder named to your 7 digit student id.

Folder structure:

1705xxx

|--- 1705xxx.tex

|--- 1705xxx.pdf

|--- images

|--- \*.png, \*.jpg, etc.

* Zip the folder 1705xxx to 1705xxx.zip
* Submit the zip file.
* Do not copy. Copying from others or directly from the internet/datasheet will result in severe penalties.
* If you are unable to submit due to Covid-19 situation, contact me directly.