

# Assessment in Replace of Quiz

Dear Students,

The Quiz of our course EE7403 is replaced by **Project 2**. Same as the Quiz, the Project 2 will take 50% of the whole mark. The previous Project is renamed as Project 1 and its scope is modified as “using **image processing techniques only** to automatically detect vessel from retinal image”, which means that you cannot use any other image to train your vessel detector, as shown in my baseline Matlab example in the previous project description. The Project 2 then requires you to use **pattern recognition techniques** and image processing techniques to automatically detect vessel from retinal image. Here pattern recognition techniques means machine learning based classification methods such as various classifiers trained by the training data. You can take some or all images assigned to other students as training data. The testing image assign to you is the same as before and is used for testing your vessel detector for the both Project 1 and Project 2. Other requirements of the Project 1 and Project 2 are the same as those given in the previous description of Project.

Please combine the two reports, one for Project 1 and the other for Project 2 in a single file to email me in the same way as I described before. The deadline to submit all your assessment reports is also the same as before: by 4pm, Thursday, 30 April 2020. Again, I would like to emphasize that you don't need to apply advanced or complex techniques but you are required to clearly describe how your applied image processing and pattern recognition techniques solve the vessel detection problem. Keep in your mind that the Project 1 and Project 2 are used to assess your learning outcomes of our course EE7403 Image Analysis and Pattern Recognition.

Let me summarize the whole assessment of EE7403, which I try to arrange in a way to minimize your additional extra work for it in this difficult time: Assignment (20%), Project 1 (30%), Project 2 (50%). Please submit your Project (contains Project 1 and Project 2) and Assignment as two file attachments in a single email to me by 4pm, Thursday, 30 April 2020. Please use your name followed by your matric number as your project file name. Please use your name followed by your matric number then followed by 'assign' as your assignment file name. Thank you.

Wishes you all completing your learning and assessment of EE7403 successfully! Take care of yourself!

Jiang Xudong, your lecturer and course coordinator