YTU Department of Mathematical Engineering

MTM4552 Image Processing Summer Scohool 2024

Due: 23.59 August 6 2024

Hand-in Policy: Via Online Yildiz. No late submissions will be accepted.

Collaboration Policy: No collaboration is permitted.

Grading: This homework will be graded on the scale of 100

Research about converting 24 bit bitmap to 8 bit gray scale bitmap image. Modify the attached C/C++ file to save 24 bit bitmap image as 8 bit gray scale bitmap image.

Hint: As it is known that 24 bit image has no color palette but 8 bir gray scale bitmap image has image palette. You should re-construct the bitmap image with image palet, bi bit count value (from 24 bit to 8 bit), new size etc.