

Assignment WIX3001

Semester II, 2021/2022 Session
WIX3001: Soft Computing

Instructions:

This Assignment will be a walkthrough project with step-by-step guidance provided. Please follow the guided steps in the Individual Assignment database in UM Spectrum and fill up the related fields. If you have any questions, please post it in the Assignment Forum. Useful tools such as Matlab, Python and Google Colab are mentioned in UM Spectrum.

Assignment step2: Find 2 related work reported in journal papers. Then, identify 2 objectives for this project. Design the flow of your system with suitable tools such as flowchart and pseudocode.

Assignment step3: Start coding of your system programs using selected tools.

Assignment step4: Using the dataset selected, perform experiments on your system using the programs developed. Use your passport photograph as one of your system input if possible. Capture system output samples for documentation. Fine tune the system parameters to obtain desired outcome.

Assignment step5: Analyze experimental results to match your system objectives using suitable tables, graphs, and/or charts. Conclude your work by combining your work of previous steps into a written report. Submit your report in UM Spectrum before the deadline given.

Marking Scheme:

	Good	Average	Poor	Extra marks
Program execution	Software run without bug Comments inserted in the codes for explanation of processing steps	Software run with minor bugs Little comments given in the codes	Software cannot run Does not has comments	Good user interface Use data augmentation if dataset is small
Written report	Include all required sections, correct formatting, no grammar error	Include all required sections, minor grammar error	Contains most required sections	Thorough analysis of experiment results