



Asian Institute of Technology
School of Engineering and Technology
Department of ICT

AT84.02: Business Intelligence and Analytics January 2021

ASSIGNMENT 2

Due: 30 March 2021

Evaluation and Selection Candidates for Scholarship

This assignment is to build a small system (with a decision model) to evaluate the qualifications of AIT applicants in order to select the most suitable one for academic scholarships.

The appropriate model for this system is MCDM (Multi-Criteria Decision Making) model. MCDM has many approaches, include the analytical hierarchy process (AHP), the weighted sum and weighted product methods (WSM/WPM), the Technique for the Order of Preference by Similarity to the Ideal Solution (TOPSIS), and the Preference Ranking Organization Method for Enrichment Evaluation (PROMETHEE), among others.

You can use any *open-source MCDM software* of your choice. You should start with the identification of appropriate criteria and sub-criteria for selecting and you can make necessary assumptions as needed. A suggestion of possible criteria and/or sub-criteria includes undergraduate performance, relevant working experience, technical skill, communication skill, English proficiency, etc. Please feel free to come up with your own set of criteria/sub-criteria.

Next identify 4 candidates/applicants and test your system to select the most suitable one. You need to submit a report to describe this system and how the system concludes the evaluation.

Note:

Please submit your assignment as a PDF file to me at vatchara@ait.ac.th