Sem 2, 2021/2022

KIE 4025 Assignment (10%).

- 2 students in a group or u may do the assignment individually.
- If there are 2 students in a group, then you need to highlight the contribution from each group member on the report cover
- Please submit a scientific report (maximum 15 pages excluding Appendix) via Spectrum.
- Please include the references in Appendix 1 and source codes in Appendix 2
- Submission Deadline is Friday of Week 14.

Assignment

Water quality indices (WQI) facilitate the water quality assessment. In some countries, they have been introduced into legal acts and are often used by the authorities supervising water quality. One of such indicators is the WQI, which is an established and one of the most effective tools for assessing water quality. Moreover, modelling and predicting water quality have become very important in controlling water pollution. Propose pattern recognition methods to analyze the given water quality parameters. Then, evaluate pattern recognition theories by applying suitable methods of assessment.

You may use any water quality data from any open access database (please provide the link to that website) or you may choose data from below links :

1) Indian water quality data | Kaggle
2) Datasets for river water quality prediction | Kaggle