

Professional Readiness for Innovation, Employability and Entrepreneurship

Project Report for week 2

Project Title: Efficient water quality analysis and prediction using machine learning

Mentor Name: Mr. Thanigaivel G

Team Members:

- Deepthivarsha E G (Team Leader)
- Basireddygaru Dhavala
- Anusha R
- Abinaya Kamatchi S

Week 2: (29 Aug - 3rd Sept 2022)

In week 2 we have completed the literature survey on our project "Efficient water quality analysis and prediction using machine learning."

Paper 1 – Water Quality Factor Prediction Using Supervised Machine Learning

Publisher – Multidisciplinary Digital Publishing Institute(MDPI)

Reference – <https://www.mdpi.com/2073-4441/11/11/2210>

Paper 2 – Data Analysis, Quality Indexing and Prediction of Water Quality for the Management of Rawal Watershed

Publisher – IEEE

Reference – <https://ieeexplore.ieee.org/document/6694009/>

Paper 3 – Water Quality Classification by Integration of Attribute-Realization and Support Vector Machine for the Chao Phraya River

Publisher – Journal of Ecological Engineering

Reference – <http://www.jeeng.net/Water-Quality-Classification-by-Integration-of-Attribute-Realization-and-Support,141364,0,2.html>

Paper 4 – Application of artificial neural network in water quality index prediction: a case study in Little Akaki River, Addis Ababa, Ethiopia

Publisher – SpringerLink

Reference – <https://link.springer.com/article/10.1007/s40808-018-0437-x>

We have also attended the training sessions.