



Technical comments

Title: Predicting Water Quality Index for farm irrigation

Decision: Accept with Major revision

Paper id: ICAIS318

Review comments - 1

1. Predicting water quality index for farm irrigation is proposed title of the paper
2. Title should be revised as – IoT based prediction of ----
3. Technical terms should be part of the title
4. The block schematic of proposed prediction system should be projected and explained
5. Adequate survey of existing methods should be part of the paper. Recent publications should be utilized in this regard
6. The data set clarity should be provided by authors.
7. The network model used is not clear. No architecture or flow chart is given. Authors to check and revise
8. Role of IoT is weakly emphasized.
9. List of components and simulation settings and tool details should be clearly listed by authors.
10. Applicability in real time should be clearly emphasized

Review comments – 2

1. Predicting Water Quality Index for farm irrigation is the proposed title of the paper.
2. Article is professionally framed and quite informative.
3. What are all the five parameters measured in the proposed approach? authors to include the parameter details in the discussion instead of generic discussion.
4. Why correlation analysis is considered for parameter reduction? Why other reduction techniques are not employed? Authors to validate.
5. Authors are suggested to discuss the novelty of the research work. The necessity of analyzing multiple machine learning models should be validated.
6. Rest of the article is informative. Authors are suggested to include variety of illustrations to enhance the visual presentation of the article.

Thank you

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Geetha', with a horizontal line drawn through the middle of the signature.

Dr. K. Geetha,
JCT College of Engineering and Technology,
Coimbatore, India.