

## ***Interactive comment on “Raspberry Pi based Smart Sensing Platform for Drinking Water Quality Monitoring System: A Python Framework Approach” by Punit Khatri et al.***

### **Anonymous Referee #2**

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General comments: - The topic of the paper is quite relevant. - Language should be looked at, specifically the use of articles. - The number of samples used for validation is very limited. Also, the range of parameter values within the set of samples is both small and limited to values in the desired range. The purpose of the system is, it seems to me, to detect water quality deviations, so at least you should show that the system is capable of doing so.

comment references: page.line 1.16 very essential -> essential 1.19 there must be more recent number than those from 1996 1.22 suggestion to rephrase second half of this sentence: ...and the situation may become worse in the future. 1.24 is IWT a

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measuring tool or a visualization platform? 2.29 The point of this sentence should be the ability to include vagueness or ambiguity rather than its similarity to the way humans may think. 2.30 Less mathematically intensive than what? 3.3 In my opinion, there is no added value presenting this information in a figure in the way it has been done. Just include it in the text. 3.4 scikit-fuzzy development team 3.7 produces 3.8 exerts? 3.10 please rephrase 3.13 functions are most commonly used; their linear nature 3.14 easy implementation ability -> ease of implementation 3.23 effect -> affect? 3.24 What is meant by fired? Ignored, removed? 4.6 system -> system 4.8 than -> then 4.8-9: unclear sentence, please rephrase 4.24 integrated with -> coupled to 5.24: "illation" : I had to look that word up. 6.9: fuzzy -> the fuzzy inference system? Is that what you mean? 6.15: No work on that done yet, so I would not use the word "compatible". You might mention that making it into an IoT application will be relatively straightforward because the RPi has a wifi chip. 6.16: looks? 6.16: I can see the practical importance, but the academic is not clear to me.

Table 1 - C3: fix enumeration - Why is the requirement for untreated water 'A' stricter than for treated water 'C' in terms of total coliforms?

Figure 6: Is there 2-way communication between the hardware platform and the sensors? The figure suggests there is.

Figure 9: Please indicate units and x-axis parameter.

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