

## REVIEWER'S REPORT

Manuscript No.: IJAR-55412

**Title:** Study of Different Parameters of Soil in KGI Campus Using IoT Sensors

### Recommendation:

Accept as it is .....  
 Accept after minor revision.....  
**Accept after major revision .....**  
 Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		x		
Techn. Quality				x
Clarity			x	
Significance			x	

Reviewer Name: Dr. Hari Prashad Joshi

### Detailed Reviewer's Report

This manuscript presents an IoT-based approach to soil monitoring at KGI Campus. While the topic is relevant to precision agriculture and smart campus initiatives, the paper in its current form is preliminary and lacks the substance required for publication. Significant revisions are needed to transform it from a descriptive proposal into a research article with concrete contributions.

#### Major Concerns:

**Lack of Empirical Results:** The core deficiency is the absence of original, experimental results. The "Result Analysis" section (page 10) merely lists system components, and Figures 3 & 4 present generic, unexplained bar charts without describing the methodology behind the data collection (e.g., sensor deployment, calibration process, sampling duration). There is no presentation of real-time data streams, analysis of sensor accuracy, or validation of the system's performance.

**Methodological Vagueness:** The proposed algorithm and system description are overly generic. The manuscript does not detail the specific hardware models used, the sensor calibration procedures, the architecture of the data pipeline (from sensor to cloud), or the software tools for analysis. The working principles are textbook explanations, not a description of the implemented system.

**Superficial Literature Survey:** The literature review is presented as a simple table with bullet-point limitations. It lacks a critical synthesis that identifies the research gap this study aims to fill. The connection between cited works and the proposed system's novelty is not convincingly argued.

**Structural and Presentation Issues:** The document is poorly organized, with repetitive content (e.g., the Introduction is split awkwardly). Figure 1 is referenced before it appears, and some figures are mislabeled or lack captions. The abstract and conclusion promise practical outcomes not demonstrated in the paper.

**Excessive Self-Citation:** The reference list is disproportionately filled with the authors' own publications, many of which are unrelated to IoT or soil science (e.g., on AI in education, satellite communication). This reduces scholarly credibility and must be balanced with foundational and contemporary works in the field of IoT-based agriculture.