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**SDI Review Form 1.6**

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|---|---|
| Journal Name: | **British Journal of Applied Science & Technology** |
| Manuscript Number: | **Ms_BJAST_30934** |
| Title of the Manuscript: | **Hourly Real-Time Rainfall Estimation for Improved Smart Irrigation System Using Nearby Automated Weather Station** |
| Type of the Article | |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
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**PART 1: Review Comments**

| | **Reviewer's comment** | **Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
|---|---|---|
| **Compulsory** REVISION comments | Line 325: It is necessary to infor the unit of measurement in this table (Table 4). Please check this in all tables.<br><br>The training and validation errors of a Neural Network are usually expressed as MSE or SSE. In "Results and Discussion" (line 331), the error is informed but it is not clear whether it is an average error (MSE), or a sum of errors (SSE) or another. Please clarity this. | The error is for Precipitation which is measured in mm. Some more results are added to paper. |
| **Minor** REVISION comments | Line 67: when you write "various variety" sounds like a redundancy.<br><br>Its desirable to describe more precisely the criteria used to determine the topology of ANN, and to describe this network verbatim.<br><br>The Figure 8 does not illustrate the ANN topology adequately. | Line 67: changed as per suggestion<br>Changes done |
| **Optional/General** comments | | |