

## Review Form 1.6

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| Journal Name:            | <a href="#">Current Journal of Applied Science and Technology</a> |
| Manuscript Number:       | Ms_CJAST_86584  |
| Title of the Manuscript: | Power Generator with Health Monitoring IoT Framework              |
| Type of the Article      | Original Research 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalcjast.com/index.php/CJAST/editorial-policy> )

### 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) |
|-------------------------------------|--|---|
| <b>Compulsory</b> REVISION comments | <ul style="list-style-type: none"><li>Power generation data is not available. Amount of power generation by peddling with particular speed and time.</li><li>Data of power generation for different age group data is not available</li><li>What is the innovation? What is the difference between this system and existing one? Because peddling with display board is available. Please justify.</li><li>Specification of the motor with design calculations.</li><li>Whether this product is done? Yes then need real photo.</li><li>Motion sensor will detect even nearby movement of the person and it can start. So what is the use of it?</li></ul> | The adequate data that is required is added in the manuscript along with the pictures of the prototype.   |
| <b>Minor</b> REVISION comments      | <ul style="list-style-type: none"><li>Justification for using brushless motor?</li><li>What is the minimum speed required for the motor to generate the current? With what speed peddling should be done to reach the minimum speed of power generation?</li><li>What is the Speed ration from peddling sprocket to motor connected sprocket?</li></ul>  | The speed ratio and minimum speed have been mentioned.  |
| <b>Optional/General</b> comments    | <ul style="list-style-type: none"><li>Structure of the paper is not proper.</li><li>Components or sensors used are not shown in the block diagram.</li></ul>   | Components and sensors can now be seen in the provided schematic.   |

### PART 2:

|  | 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) |
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| Are there ethical issues in this manuscript? | <u>(If yes, Kindly please write down the ethical issues here in details)</u> | --  |