Date: 04-Jan-2025

Dear Editor-in-Chief,

Discover Applied Sciences

Thank you for providing us an opportunity to revise and submit our manuscript, "An Empirical Study of the Naïve REINFORCE Algorithm for Predictive Maintenance".

The review observations and suggestions by the Reviewers has helped us enhance and enrich our manuscript. We have formally **thanked** and **acknowledged** them in our manuscript.

We have addressed *all* the comments in the point-by-point response document.

There was one Assistant Editor comment, Reviewer #1 provided 6 comments and Reviewer #2 provided 9 comments. Some comments contained multiple sub-observations and therefore these **16** points, translated to a total of 22 observations. We have addressed **all** 22 observations.

All major sections were enhanced including Literature Review, Methodology, Results and Discussion. **9** experiments were conducted. **21** new references were cited. **2** new tables were added and **5** enhanced. **11** new figures were added.

Once again, we thank you for your consideration of this manuscript.

Sincerely,

Dr. Satish Kumar

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