

## **Response to the Review Report 1**

### **Dhaka University Journal of Applied Science and Engineering (DUJASE)**

#### **Title of the Manuscript: A Review on Hybrid Analysis in Android Malware Detection**

We wish to thank the reviewers for their constructive comments in this review report. Reviewers' comments provided valuable insights to refine its contents and analysis. In this document, we try to address the issues raised as best as possible. We have incorporated most of the suggestions made by the reviewers.

Please see below, in blue, for a point-by-point response to the reviewers' comments. All page numbers refer to the revised manuscript file with tracked changes.

#### **Reviewers' Comments to the Authors:**

**Point No. 3:** Is the major argument clear? Is the analysis competent and consistent?

**Reviewer's Comment:** Almost. The author should thoroughly analyze the Machine Learning techniques to achieve the desired goal.

**Author response:** Thank you for pointing this out. Although we agree that this is an important consideration, it is beyond the scope of this manuscript because our primary focus is only on the hybrid analysis's strengths, weaknesses, challenges, opportunities, and future direction. We have only considered machine learning-based studies as machine learning is the most used technique in this regard and it overcomes the drawbacks of signature-based techniques. Thoroughly analyzing machine learning techniques would be great, but it would divert and limit our focus.

**Point No. 6:** Additional Comments (if necessary)?

**Reviewer's Comment:** It's a timely research, However, the authors should discuss future research directions more elaborately (preferably with a new section/subsection).

**Author response:** We are grateful for this comment as it points to an important aspect of this study. We agree with the reviewer's assessment. Accordingly, we have included a *Future Directions* section [Ref: Page 11, Section VII] and thrown an elaborate discussion on future research directions.