**Project Design Phase-I**

**Proposed Solution**

| Date | 20 october 2023 |
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| Team ID | Team-591521 |
| Project Name | Project - **Malware Detection And Classification** |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
| 1. | Problem Statement (Problem to be solved) | In today's digital landscape, the proliferation of malware poses a significant threat to the security of organizations' digital assets. The "Malware Detection and Classification" use case entails the development of an advanced system that harnesses the power of artificial intelligence to identify and categorize different types of malware accurately. By leveraging cutting-edge AI techniques, organizations can bolster their cybersecurity defenses, proactively detect malicious software, and enhance their incident response capabilities. |
| 2. | Idea / Solution description | We will create a AI based solution which will help in detecting and classification of the Malware |
| 3. | Novelty / Uniqueness | There are Many Machine Learning based solutions for Malware detection but there is no effective AI based system. |
| 4. | Social Impact / Customer Satisfaction | It will help the people in secure use of Internet and applications |
| 5. | Business Model (Revenue Model) | These solutions can be utilized by companies in their softwares. If we create a web application or software it can make a good business. |
| 6. | Scalability of the Solution | The solution will work for most of the Malwares. |