**Project Design Phase-I**
**Proposed Solution**

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| Date | 19 September 2022 |
| Team ID | Team-591789 |
| Project Name | PoxVisio: A Deep Learning Expedition into Monkeypox Skin Lesions. |
| Maximum Marks | 2 Marks |

**Proposed Solution:**

| S.No. | Parameter | Description |
|---|---|---|
| 1. | Problem Statement (Problem to besolved) | the accurate and timely identification of Monkeypox skin lesions, which can often be challenging for healthcare professionals. PoxVisio seeks to address this by providing a reliable and quick diagnostic tool, aiding in early detection and effective treatment. |
| 2. | Idea / Solution description | PoxVisio utilizes deep learning algorithms to analyze images of Monkeypox skin lesions. By training the model on a diverse dataset, it can accurately identify and classify lesions, providing valuable information to healthcare practitioners for swift and precise decision-making. |
| 3. | Novelty / Uniqueness | The deep neural network's ability to learn intricate patterns in skin lesions contributes to a more accurate and nuanced diagnostic process compared to traditional methods. |
| 4. | Social Impact / Customer Satisfaction | The project's social impact lies in its potential to revolutionize Monkeypox diagnosis, leading to early intervention and improved patient outcomes. By providing healthcare professionals with a reliable tool, PoxVisio aims to reduce the burden on healthcare systems and enhance overall customer satisfaction by facilitating faster and more accurate diagnoses. |
| 5. | Business Model (Revenue Model) | Subscription-based model for continuous updates and support can be implemented. Collaborations with healthcare organizations and research institutions could also provide avenues for revenue generation |
| 6. | Scalability of the Solution | Solution can be easily scaled to accommodate a growing user base and can potentially be adapted for the diagnosis of other skin conditions or diseases. Continuous improvement through updates and enhancements ensures the scalability and relevance of the solution over time. |