Project Design Phase-I
Proposed Solution Template

Date	2 NOVEMBER 2023
Team ID	592049
Project Name	PREDICTING SKIN LUMPY DISEASE
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)	Skin lumpy diseases, including various conditions such as cysts, lipomas, and nodules, can have a significant impact on an individual's health and well-being. Early detection and accurate diagnosis of these skin conditions are crucial for effective treatment and management.
2.	Idea / Solution description	Develop a machine learning model to predict skin lumpy diseases. Use a diverse dataset, extract key features, and train the model for accurate classification. Enhance interpretability, integrate into healthcare systems, and provide a user-friendly interface. Aim for continuous improvement to contribute to early detection and better management of skin lumpy diseases.
3.	Novelty / Uniqueness	1. Development of a user-friendly interface tailored to healthcare professionals, promoting ease of use and better adoption. 2. Implementation of mechanisms for continuous improvement, allowing the model to evolve with new data and feedback from healthcare practitioners.
4.	Social Impact / Customer Satisfaction	1. Early prediction of skin lumpy diseases enables timely intervention, potentially preventing the progression of conditions and improving treatment outcomes. 2. Patients benefit from a proactive approach to their health, with early detection empowering them to seek timely medical attention and make informed decisions about their treatment.

5.	Business Model (Revenue Model)	1. Charge healthcare institutions a subscription fee to access and integrate the predictive model into their systems. 2. Offer a pay-per-use option for smaller healthcare providers who may not require constant access but still want the benefits.
6.	Scalability of the Solution	1. Ensure the model can handle an increasing volume of diverse and representative data. This includes continually updating the dataset with new cases and variations to enhance the model's robustness. 2. Create a user-friendly interface that remains efficient and effective as the user base expands. Consider user feedback for continuous improvement in usability.