Project Design Phase-I
Solution Architecture

Date	2 November 2023
Team ID	Team-592277
Project Name	End-To-End Deep Learning Project For Detecting Melanoma Diseases
Maximum Marks	4 Marks

Solution Architecture:

Deep learning models trained on large datasets can contribute to early detection and screening efforts for melanoma. By analyzing images from individuals without apparent symptoms, these models can identify suspicious lesions (area of your skin that's abnormal from the skin around it) that may warrant further examination, enabling earlier intervention and improved treatment outcomes

The proposed research summarizes its contributions as:

- Comparative analysis of previous model is done
- Identifying and classifying the type of skin cancer
- Consists of two fundamental methods:

  Mask RNN and EfficientNet using multiclass classification

- Proposed ensemble methods outperform expert dermatologists and deep learning models for multiclass skin cancer classification.

Solution Architecture Diagram: