

**PROJECT ABSTRACT FORM**

**Batch:** 2078 **Semester:** Seventh(7th) **Year:** Fourth(4th)

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| **S.No.** | **TU Exam Roll Number** | **Student Name** |
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**Project Title:** AI for Skin Disease Detection

**Front End Tools:** HTML, CSS, JavaScript

**Back End Tools:** Flask, Python

**ABSTRACT**

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| People are becoming more conscious of the value of health in today's environment, and boosting general well-being depends heavily on early identification of skin conditions. If not identified in a timely manner, skin illnesses, particularly those like skin cancer, can be fatal. Using cutting-edge technology like machine learning can help with the early detection and categorization of skin lesions, giving people and healthcare professionals a useful tool to identify possible skin problems. Based on dermoscopic images, this suggested method classifies skin illnesses using a deep learning model. Users can input photographs of skin lesions to the system, and a pre-trained model created with TensorFlow and Keras is used to interpret and evaluate the images. The model provides a useful diagnostic and ranks potential diseases according to likelihood. Both the general public and medical professionals will find the program easy to use because to its Flask-powered user interface. By facilitating quicker response for skin-related health conditions, the system seeks to improve health outcomes by aiding in early detection, and prescribing medication.  ***Keywords: Deep Learning, Skin Disease Classification, Flask, Image Processing, Early Diagnosis, Healthcare Application*** |

**Student Signatures:** **Date and Time of Submission:** 28th Baisakh, 2082