

Abstract Submission

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Team Number: 9

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Problem Statement

Skin cancer is the abnormal growth of skin cells. It's a common cancer that can form on any part of the body, but it often occurs on sun-exposed skin.

The survival rate for early detection in case of skin cancer is almost 98 percent, but it falls to 62 percent when the cancer reaches the lymph node, and 18 percent when it metastasizes to distant organs.

We want to resolve this problem by detecting whether the cancer is malignant or benign .

Key Objectives

- Identifying malignant patches on skin
- Designing algorithm for detecting cancerous cells
- Using neural compute stick and single board computer to capture and process images.
- Displaying results on output device.