

“HISTOPATHOLOGIC CANCER DETECTION IN LYMPH NODE TISSUES”

—— UNDER THE GUIDANCE OF
USHA C S
Assistant Professor, Dept of CSE

TEAM MEMBERS :

BHUVAN DAMODAR A
CHIRANTH H S
GANYA J
VISHRUTH S

PROBLEM STATEMENT

As the medical field is slowly moving towards automated methods to diagnose diseases or to help aid the doctors with diagnosis there is a demand for a system that recognizes the cancer in the LYMPH
— NODE TISSUES.

OBJECTIVES

- Detection of Metastatic Cancer cells in Lymph Node tissues
- Detection of tumour in Lymph Node tissues
- Reduce false positive prediction
- Aim to improve the existing accuracy

EXISTING WORK

- Small Dataset
- High error susceptibility
- High False Positive
- High Model Loss
- Low Accuracy

PROPOSED WORK

- Data Collection: Large dataset
- Data Cleaning
- Reduce Model Loss
- Reduce False Positive prediction
- Try to get high accuracy

References

- <https://www.verywellhealth.com/lung-cancer-spread-to-lymph-nodes-2249364>
- <https://www.sciencedirect.com/science/article/pii/S0002944019307187>
- https://www.researchgate.net/publication/344952596_Lung_Cancer_Detection_Using_Convolutional_Neural_Network_on_Histopathological_Images
- <https://ieeexplore.ieee.org/document/8783041>
- https://www.researchgate.net/publication/344479889_Lung_Cancer_Detection_System_Using_Image_Processing_and_Machine_Learning_Techniques/link/60276f93a6fdcc37a821b042/download

THANK

YOU

—