**Project Design Phase-II**

**Data Flow Diagram**

|  |  |
| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID19548 |
| Project Name | Project – CNN ANALYSIS FOR CANCER CELL DETECTION USING AI |
| Maximum Marks | 4 Marks |

Capture image

d

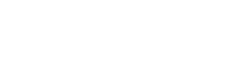
Detection process

Input image

dd

dddtde

Image Mapping



Camera

0.0

Image

preprocessing

Result of the

image

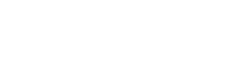
**Level 0 DFD (Context level DFD)**

segment Segmentation

1.0

Capture image classify Classification

Camera Input image Image data Data acquisition



preprocessing

Image Mapping

Detection

Extraction

Future Extraction Result of the

image

Extraction

2.0

Training (By Extraction)

Database

Model (Based on Extraction) Detection process

|  |
| --- |
| Result of the image |

**Level 1 DFD**

Capture image

Segmentation

Input image

Image restoring

Classify Classification

Data Data acquisition

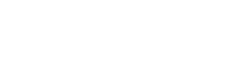
Image Mapping

Recognized

Training

Image

Detection process



Camera

1.1

Image

Transformation

1.2

Future

Sub selection

1.3

Prediction

**Level 2 DFD**