#### College of Engineering Chengannur Department of Computer Engineering M. Tech. Computer Science(Image Processing) 03CS6902 Mini Project Periodic Report No.11(For the period (25-8-2021) to (31-8-2021)) Deep learning/Automatic identification and counting of blood cells using Deep learning CHN20CSIP02 KARTHIKA G NATH

# 1 Work Assigned

Start working on implementing the project.

## 2 Discussion made on design presentation

### 2.1 Problem statement

This project aims at automatic identification and counting of blood cells through a deep learning approach using 'you only look once' (YOLO) object detection and classification algorithm.

## 3 Work Done

## 3.1 Work done till August 31

- 1. Work assigned for the period (26/04/2021) to (01/05/2021)Identify suitable project domain.
- 2. Work assigned for the period (02/05/2021) to (11/05/2021)Identify suitable project topic based on domain.
- 3. Work assigned for the period (12/05/2021) to (22/05/2021)Study the reference paper.
- 4. Work assigned for the period (23/05/2021) to (31/05/2021)Prepare for IC and choose a guide.
- 5. Work assigned for the period (01/06/2021) to (10/06/2021)Conduct a literature survey on related works of the project topic.
- 6. Work assigned for the period (11/06/2021) to (21/06/2021)Study various methods used in this project.
- 7. Work assigned for the period (22/06/2021) to (28/06/2021)Install python and start learning it.
- 8. Work assigned for the period (23/07/2021) to (31/07/2021)Collect available datasets for the project.
- 9. Work assigned for the period (01/08/2021) to (10/08/2021) Make a design of the project.
- Work assigned for the period (11/08/2021) to (24/08/2021) Prepare for design presentation and obtain approval for implementation. Study different modules required for initial implementation.
- Work assigned for the period (25/08/2021) to (31/08/2021) Start initial step of implementation.
  Study the deep learning method for training of yolo using the datasets.

# 4 Work Schedule for Next 10 Days

Perform the development and training of Yolo framework using datasets of blood cell images.

# 5 Assessment of Guide

Performance assessment & Remarks by the guide: Poor/Acceptable/Satisfactory/Good/Very Good/Excellent Name & dated signature of the guide: