# **Selected project**

**FACUTLY NAME:** faculty of computer and information Helwan uni.

**SUBJECT**: Selected 2

**TEAM ID: 31** 

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## **Paper details**

• Author Name: Anfal Bin Durayhim.

 Paper Name: Children's Arabic Handwriting Recognition via
Deep Learning.

- Publisher Name: Anfal Bin Durayhim, Isra Al-Turaiki and Najwa Altwaijry.
- Publish Year: 29 January 2023.
- Datasets Used:

First dataset: Arabic Handwritten Characters

dataset link:

https://www.kaggle.com/datasets/mohamed0hassan/arabic-handwritten-characters

### **Project Description Document**

Dataset used: Malaria Cell Images Dataset

**Dataset link:** 

https://www.kaggle.com/datasets/iarunava/cell-images-for-detecting-malaria

**Total number of samples:** 27,560 images

**The dimension of images:** height = 150 width = 150

**Number of class: 3** 

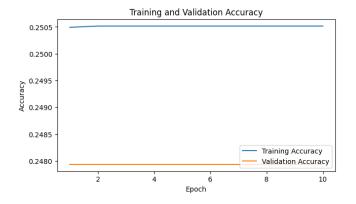
The label of classes: Parasitized, Uninfected, cell images

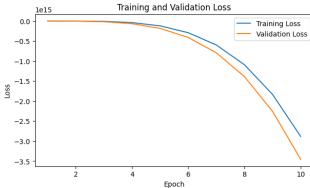
#### the ratio used for training, validation:

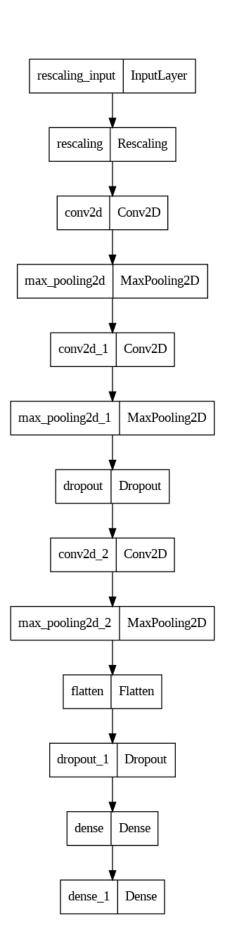
**Training:** 80%, 44093 images **Validation:** 20%, 11023 images

### hyperparameters used in the model:

#### **Results details:**







## **Block diagram:**

