

Author Response to practical Review Comments on Paper 18

1. Introduction

After receiving paper reviews, we were advised to provide a URL where the system is deployed and where the code is deposited in GitHub.

The system is available at <http://18.218.239.12/>. Additional information on how the system was implemented and deployed can be found at the GitHub repository that can be accessed at <https://github.com/rnakasi/Web-based-Malaria-diagnosis>

Due the big size of the inference model, we could not commit it to the GitHub Repository, it can be accessed at; https://drive.google.com/open?id=1tRCfIPl_K1sIP7H-KFHtwnWdOoCUXVj8

1.1. How the systems works remotely on the server.

To be able to experiment with the remote prototype system;

- A) Open a web browser and run the url at <http://18.218.239.12/>.
- B) Using test images at <https://github.com/rnakasi/Web-based-Malaria-diagnosis>, Upload an image to the system and automatically detected parasites on the returned image characterising malaria parasites will be seen.

1.2. Testing the code

To run the code,

- A) Access the frozen inference model from https://drive.google.com/open?id=1tRCfIPl_K1sIP7H-KFHtwnWdOoCUXVj8 and place in it the FlaskObjectDetection folder available at <https://github.com/rnakasi/Web-based-Malaria-diagnosis>
- B) Run the code using Python app.py available in the FlaskObjectDetection folder
- C) Follow the localhost url to generate the web based deployment