Timeline for Mboalab/Outreachy Internship

This timeline was drafted taking into account the tasks ahead, the challenges foreseen and Mboalab community goal of building capacity in interns.

Proposed Time	**Work Description / Proposed Tasks**
Weeks before Internship begins 23 Nov - 3 Dec	Contact my mentors, schedule meetings, Define a work routine in line with the tasks ahead, Conclude on mode of communication. Take care of bureaucratic requirements ranging from signing of contracts, setting up payment schedules and other necessary arrangements.
Weeks 1 - 2 6 - 17 December	Have onboarding meeting with Mboalab Team members and community members Work with the available resources from the contributions to create a functional online platform for the project. Read more on the RST and Decision Tree Algorithm being used in the current project and publish easy-to-understand article(s) on them Create work schedules and tasks with input from mentors
Weeks 3 - 4 20 - 31 December	Reach out to communities and other plausible partners that can assist in the data gathering process(for example, the Medical Doctors Association can ethically assist in providing anonymous data from patients). Meeting with these partners would also give insights to suggestions, tips and possible solutions. These solutions will be classified by duration (long/medium/short term) Design interview questions for medical practitioners, medical laboratory scientists to understand the symptoms, level and severity of typhoid fever. Gather information from non medical practitioners (patients) to create a more robust dataset. Holiday breaks
Week 5 3 - 7 Jan	Learn more about the 18 symptoms Algorithm variables and publish what has been learnt. Select the most appropriate data collection tool based on the current research already done (contributions).
Weeks 6 - 9 10 Jan - 4 Feb	With the chosen data collection tool, design the questions with the tool from the pool of questions available as contributions. Get more familiar with the software to be used. Chart out a plan to obtain a broad and representative range of data (including images), taking into account age, gender, ethnic group, geographic location, etc. Write a midterm post in line with Outreachy's requirement.
Week 10	Learn more about using Convolutional Neural Networks (CNN) and

7 - 11 Feb	Decision Trees on structured data. Publish what has been learnt.
Weeks 11 - 12 14 - 25 Feb	With guidance from mentors, work on using a CNN,trained on the images and other structured data to obtain insights about the symptom of Typhoid Fever and its severity.
Week 13 28 Feb - 4 Mar	Finishing touches . Final report drafting on the work done. Evaluation/Feedback from mentors. Share findings from the project in a publication.