

## **PROBLEM STATEMENT (GROUP 3)**

AMBANGIRA MARK MWESIGWA

ABITEGEKA BRIDGET

ARINDA SOPHIE

TUSUUBIRA ERIC BALEMEEZI

MUKISA MARVIN

### **DISEASES AND OTHER CHALLENGES DURING PREGNANCIES**

A pregnancy is defined as the time between conception and birth and usually lasts 40 weeks, pregnancy numbers and rates are difficult to survey because they also include abortions and miscarriages as pregnancy outcomes. As the number of pregnant women continues to increase in our community, the fear and ignorance of the various stages of pregnancy increase, therefore many women are forced to take on the path of abortion in order to avoid such challenges. Many women are prone to suffering from different illnesses ranging from mild to very severe that can affect the child, the expectant mother or even both. These various sicknesses can be caused by numerous problems such as bacterial and viral infections, internal complications, prior sickness, genetic disorders and others. When different signs and symptoms begin to manifest they can be quite troubling to the expectant mother and this can in turn cause further problems. We have realized that with the help of a mobile application, that can track the daily habits, schedules/routines, diet and other daily activities of pregnant women, we can be able pitch in supplementary routines and foods to keep both the mother and child healthy. We can then also use the same application to log different signs and symptoms of the mother, based on daily feedback, and use algorithms to predict the problem and then give immediate response. These algorithms would factor in a number of things such as previous or any family illnesses, the dieting, workloads and routines, and previous data from former patients. The app would give immediate response to the mother advising her on the course of action to take, whether to go to the doctor or to take some medicine. The application will also keep up a schedule health check up at the nearest or desired clinic in order to ensure that the asymptomatic illness do not go unnoticed. The app will greatly consider the confidentiality of all patients