Synopsis:

The journey of motherhood is a life-time experience for any women, where they feel plethora of emotions of love, care and at times worry for the safety of their baby. And this very much starts as soon as one gets to find get the big news. The sudden surge of so many feelings for the unborn baby and so many unanswered questions. And without even realizing the thought of keeping the baby safe inside the womb for nine month starts making the people so jittery. However, today with the progression of technology and machine learning our app make it easy for the users to easily access all pregnancy-related information like daily health tips, weekly baby updates, GDM prediction, Risk analysis, prediction of fetal wellbeing and a lot more. There is a lot of personalized information offered in these apps as well, such as days and weeks of pregnancy, baby’s development, due date of baby’s arrival, personalized advice, etc. Hence, these apps serve as a dedicated companion during the entire pregnancy and meet every requirement all along.

Existing System:

* There are few apps available in the market but none of them are designed and developed according to the need of a mother.
* It is not feasible for a mother to interact with the doctor every time with each and every minute details and help.
* The post-pregnancy phase is also as essential as the pregnancy phase and needs special assistance for the mother and her child's overall development.
* The parents in rural areas usually are not aware of the basic information regarding pregnancy and parenting phase.

Proposed System:

* The app will predict overall Risk level of pregnancy and can provide basic pre-caution and suggestions
* Detection of (Gestational diabetes mellitus)
* Classify fetal health in order to prevent child and maternal mortality using **Cardiotocograms (CTGs)** data.
* The app will notify about the daily development of the child. According to the expected delivery date, it will generate the whole timeline.
* The workout tutorials suitable for the mother according to the pregnancy risk level

Feasibility Study:

A feasibility study is a detailed analysis that considers all of the critical aspects of a proposed project in order to determine the likelihood of it succeeding.

**Technical feasibility:**

This app will work with all android devices and web, it is built using language called dart and uses a firmware flutter. Backend of this app is firebase which is developed by google. Datasets where collected from Kaggle

So, all resources were met and this app is fully technically feasible

**Economic feasibility:**

The relationship between the mother and her child is considered to be the purest of all. So the family cannot compromise with the health care of both the baby and the mother. So this app will be downloaded and used by mothers of all country, therefore ends in a huge success in both financial and emotional

**Social feasibility:**

This app is built using immersive care and researchs.it has most pleasing ui and ux. Every feature in this app is easily operated and understandable, Every users can easily interact with the app.