Agile Development Cycle

Every Project should be treated with utmost importance, be it a major one, or a minor. Keeping that in mind, we followed the Agile Development Cycle for the project to have a swift as well as versatile approach.

Concept: The idea behind the project stems from the the KIIT website itself. Since it's almost admission season, numerous students will have queries regarding the KIITEE Examination and in general, the whole process of admission. The basic idea of creating a platform where all the queries can be resolved at once, seemed to bear great potential, so much that it could be implemented into a real time professional project under proper guidance.

Inception: The necesarry details were discussed among the team members, and the roles were specified according to the skills and specifications. A rough idea is and all the necessary resources are gathered before proceeding to the Iterations phase. Once a clear goal was set, necessary requirements and time estimations were set in place almost instantly.

Iterations: The entire project was concluded under Feature Driven Development methodology since it was better suited for the project.

- **First Iteration (January 30, 2023):** Python is chosen as the development language to be used throughout the project. Within a month, an optimized model program is proposed which is to be further integrated with a functioning site.

- **Second Iteration (March 14, 2023):** The database is expanded as the model is supplied with vast organized dataset in form of a documented brochure.

- **Third Iteration (March 25, 2023):** A famous python library commonly referred to as Streamlit is accepted for providing the program with a functional frontend. The Streamlit code section is added to the source program giving a basic frontend which is to be polished over the next few days.

- **Fourth Iteration (April 11, 2023):** A sidebar is added to the webpage for ease-of-access and final checks are given followed by further deployment of the program.

- **Fifth Iteration (April , 2023):** A final meeting is held between the team members and the project guide and the project is reversed engineered to have a clarity over the project and detect any issues before deploying the program.

Testing: A number of queries as inputs were fed to the program and the respective answers were recorded along with the queries. After multiple such tests regarding a vast number of topics, the combined accuracy came out to be almost around the complete mark. The project is now ready for it's final touches followed by the release.

Feedback (*yet to be recieved*):