SMART INDIA HACKATHON 2019

IDEA AND PROTOTYPE

Technology bucket : Miscellaneous
Ministry Name : Ministry Of Culture
Team Leader Name : Ariba Akber

Category : Software
Problem Code : SS1
College Code : U-0108

Problem Statement : An App based questionnaire form with the use of only graphics/pictures/charts without text material for analysing feedback.

Basic Idea :

1. We seek to provide the people with an interactive and easy-to-use platform to increase scientific temper.

2. This platform allows users to apply scientific methodologies to every task in a gamified environment that rewards progress with badges and points, encouraging them to continue their self-led learning experience.

3. This literacy app can be used by a broad public, including students and teachers, within a multitude of learning contexts to provide a wider understanding of individual scientific literacy than previously thought possible.

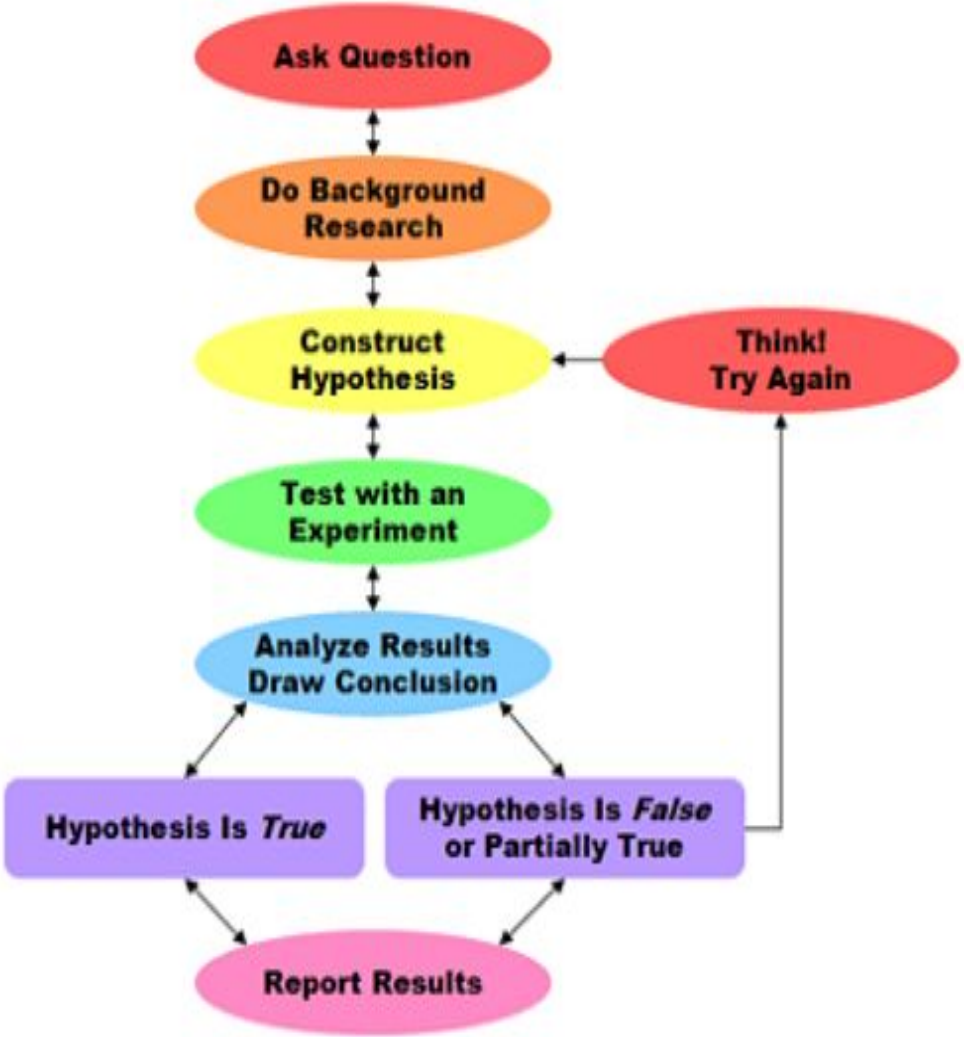
4. The app features characters such as virtual assistant and ‘Sibling’ through which interactive and community learning is integrated in the app.

5. Virtual assistant would be connected to web and provide curated content to cater to inquisitive brain of child.

6. The sibling(virtual) feature will boost community learning through competitive environment.

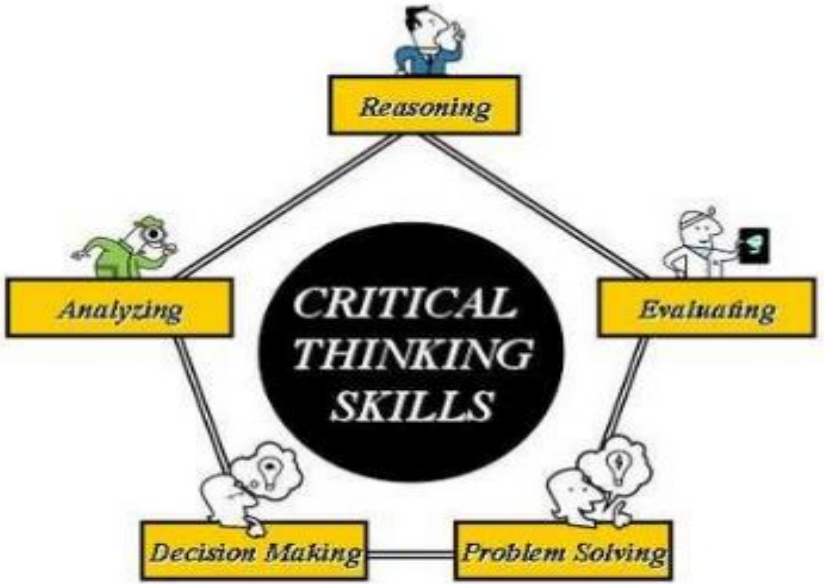
Tech Stack

1. Application : Android platform.
2. Java and XML.
3. **Amazon Web Services** as a backend for hosting.
4. **SQL** database to store results.
5. **Machine Learning** for making predictions which get better over time with training.



Use Case

1. Educational Institutions.
2. Emphasizing scientific environment.
3. Developing skills of scientific inquiry.
4. Gathering and analyzing on large data accurately.
5. Helping to bring scientific literacy to masses via single platform.
6. Boosting the literacy rate in India.



Show Stoppers

1. Students will develop problem-solving, decision-making, and developing skills of scientific inquiry.

2. Students will understand, very precisely, the process of scientific investigation & design, conduct and communicate about it generously.

3. Students will be able to think critica-lly and logically to link evidence and explanations.

4. They will become capable of communicating and defending scientific arguments.