Figure 1 shows the conceptual framework used in the study.

*Input*

The inputconsists of basic knowledge for the development of the project which includes Web design, Web sockets, API integration, and concept of Content Management System paradigm. The researcher has acquired and examined all basic information required for the study.

*Process*

In the process, the researcher picks up a better knowledge and understanding on what features has to be develop and integrate to promote the study. To create the discussion forum application, the several actions and techniques were used. The Agile Software Development Methodology was utilized to ensure that the existing discussion forums criteria are met.

***Output***

The planned study, Internet-Based Discussion Forum for Sultan Kudarat State University using Progressive Web App Technology, is the result.

***Feedback***

The **feedback** loops took into account the end-users' feedback on the game application, allowing the game to change its performance to achieve the required output response.