**IT5412**

**ADVANCED DATA STRUCTURES LABORATORY**

**CROWDSOURCED QUESTION AND ANSWER PLATFORM**

**ABSTRACT:**

The Project titled Crowdsourced question and answer platform for posting question and answers for those questions. The project “Crowdsourced question and answer platform” is developed in C++ which mainly focuses on basic operations in this type of platform like Quora for posting questions and give multiple answers for those questions.

The Crowded question and answer platform is an application which is useful for end users to get the answers for their questions. The application has used some data structures and OOPS concept to implement functions.

**DATA STRUCTURES:**

* Stack
* AVL tree
* Splay tree

**IMPLEMENTATION:**

The application uses Stack data structure for storing the posted questions. For user login, the application uses AVL tree data structure. If the user data is in AVL tree, then only user can post the questions and answers. The root of the Splay tree stores the question and the children stores the answers for those questions. To store multiple questions posted by the end user, the application uses the Stack data structures. Using Splay tree, the recently posted answers will be displayed at the top. The end user can post any number of questions and answers. These implementation is hidden from the user and the application shows module of the application.

**CONTRIBUTION:**

The application will be designed by Someshwar J, 2020115088.