**DATA STRUCTURES LEARNING SOFTWARE**

1. **TEAM DISTRIBUTION**
2. **DETAILS OF THE PROJECT**
3. **Home page (Login/Signup)**

Home page of the program with signup and login features

1. **Types of users**

* Students
* Mentors (who can suggest new quiz questions or additions in the course and solve students’ doubts)
* Admin (to manage mentors and approve the changes made by the mentors in the course)

1. **Data structure Modules to be implemented (with quizzes for each module)**

Searching, Sorting, Arrays, Linked Lists, Stacks, Queues (with YouTube links to video lectures)

1. **WORK DISTRIBUTION**

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| --- | --- | --- |
| Sub team 1 | Lavish Gulati | * Searching * Sorting |
| Rakesh Gupta |
| Vivek Kumar |
| Saleem Pradeepa |
| Sub team 2 | Abhishek Jaiswal | * Arrays * Linked Lists |
| Ravi Shankar |
| Sanchit |
| Kethavath Naveen |
| Sub team 3 | Shivang Dalal | * Stacks * Queues |
| Aayush Patni |
| Arpit Gupta |
| Devaishi Tiwari |
| Sub team 4 | Siddharth Agarwal | * Home page (Login and Signup) * Quizzes implementation for various   data structures |
| Sachin Giri |
| Ajinkya Shivashankar |
| Sayalkumar Hajare |

1. **ATTENDANCE**

All present except Saleem Pradeepa

1. **FUTURE ADD-ONS**

* Chat window in each data structure module so that students can ask doubts related to that data structure from a mentor
* Discussion room where students can interact with other students and post interesting problems, solutions etc.
* NOTE: Either of the above two or both of them will be implemented
* Topic Based Searching: A student can search a specific doubt which is common to most of the students and the result will be displayed instantaneously so that he doesn’t have to wait for a mentor to reply
* More data structure modules will be added like trees, graphs, heaps etc.