Final Year Project

Voice Recognition Attendance Management System

Implementation Plan

Group Members

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PROJECT IMPLEMENTATION PLAN

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| Sr. | Milestone Detail | Outcome | Project % | Roll # | Member’s Contribution | Learning Outcome | Viva |
| 01 | Database schema. | Database schema created. | 6.25 | BSCS-F16-LC-163 | Select Software and help in creating Database schema | Software selected and database schema created |  |
| BSCS-F15-LC-145 | Created Database schema. | Database schema created. |  |
| UGLC-402 | Research on language. | Language Selected. |  |
| 02 | Link Database with Web Application. | Database linked with web application. | 6.25 | BSCS-F16-LC-163 | Created link between Database and Web application. | Linked Database with web application. |  |
| BSCS-F15-LC-145 | Help in creating link between Database and web application. | Linked Database with web application. |  |
| UGLC-402 | Recheck the code and modify it with less complexity. | Linked Database with web application with minimum complexity. |  |
| 03 | Created modified implementation plan. | Final Implementation plan. | 6.25 | BSCS-F16-LC-163 | Implementation plan created. | Implementation plan created. |  |
| BSCS-F15-LC-145 | Help to divide code in weeks. | Implementation plan created. |  |
| UGLC-402 | Check possibility of coding to be done in each week. | Implementation plan created. |  |
| 04 | Created database tables. | Nearly half of database tables created. | 6.25 | BSCS-F16-LC-163 | Created student and record table. | Student table Created.  Student record table Created. |  |
| BSCS-F15-LC-145 | Created teacher table and teacher record table. | Teacher table created.  Teacher record table Created. |  |
| UGLC-402 | Created table of voices record for each student. | Table of voices record for each student Created. |  |
| 05 | Remaining Database tables. | Database tables created. | 6.25 | BSCS-F16-LC-163 | Create remaining database tables. | Database tables created. |  |
| BSCS-F15-LC-145 | Create remaining database tables. | Database tables created. |  |
| UGLC-402 | Create remaining database tables. | Database tables created. |  |
| 06 | Software Interface design. | Designed Software Interface. | 6.25 | BSCS-F16-LC-163 | Define Modules Interfaces. | Software interface designed. |  |
| BSCS-F15-LC-145 | Design Modules Interfaces. | Software interface designed. |  |
| UGLC-402 | Adjust all the modules Interfaces. | Software interface designed. |  |
| 07 | API management. | API managed. | 6.25 | BSCS-F16-LC-163 | Enterprise Service Bus, traffic shaping | Completed API management. |  |
| BSCS-F15-LC-145 | **API** key validation, URL mapping | Completed API management. |  |
| UGLC-402 | security credential mediation, and service level tracking | Completed API management. |  |
| 08 | Voice Recognition module. | Started Voice recognition module design. | 6.25 | BSCS-F16-LC-163 | Check the input device for voice and storing input. | Signal processing completed. |  |
| BSCS-F15-LC-145 | Check the pronouncing of names. | Voice input module created. |  |
| UGLC-402 | Check the record that recorded repeatedly. | Voice input module created. |  |
| 09 | Voice Recognition module. | Voice auto matching record. | 6.25 | BSCS-F16-LC-163 | Design algorithm to match the recorded voice with particular record. | Voice recognition module designed. |  |
| BSCS-F15-LC-145 | create algorithm to match the recorded voice with particular record. | Voice recognition module designed. |  |
| UGLC-402 | Test algorithm check the accuracy of input. | Voice recognition module designed. |  |
| 10 | Student Modules Designed. | Created Student Module. | 6.25 | BSCS-F16-LC-163 | Created Student module. | Student module completed. |  |
| BSCS-F15-LC-145 | Created student module link with input voice record. | Student module completed. |  |
| UGLC-402 | Design Student functioning. | Student module completed. |  |
| 11 | Teacher Modules Designed and progress report. | Created Student Module.  And complete progress report. | 6.25 | BSCS-F16-LC-163 | Teacher module designed. | Teacher module completed. |  |
| BSCS-F15-LC-145 | Created link between student and teacher module. | Teacher module completed. |  |
| UGLC-402 | Home page. | Teacher module completed. |  |
| 12 | Admin Modules Designed. | Admin Modules Created. | 6.25 | BSCS-F16-LC-163 | Create link of admin with other modules. | Admin module completed. |  |
| BSCS-F15-LC-145 | Create admin module. | Admin module completed. |  |
| UGLC-402 | Design functions of admin module. | Admin module completed. |  |
| 13 | Implementing all modules. | All modules implemented. | 6.25 | BSCS-F16-LC-163 | Implement all modules together. | All modules implemented. |  |
| BSCS-F15-LC-145 | Help Implementing all modules together. | All modules implemented. |  |
| UGLC-402 | Help Implementing all modules together. | All modules implemented. |  |
| 14 | Integrated Testing. | Testing all modules done. | 6.25 | BSCS-F16-LC-163 | big-bang, mixed (sandwich) testing. | Integrated testing completed. |  |
| BSCS-F15-LC-145 | risky-hardest, top-down testing. | Integrated testing completed. |  |
| UGLC-402 | bottom-up testing. | Integrated testing completed. |  |
| 15 | Testing AI voice recognition module. | AI Voice module testing. | 6.25 | BSCS-F16-LC-163 | Checking limitations. | AI Voice recognition module tested. |  |
| BSCS-F15-LC-145 | Compiling accuracy. | AI Voice recognition module tested. |  |
| UGLC-402 | Checking link of AI voice module with other modules. | AI Voice recognition module tested. |  |
| 16 | Conclusion Final Report. | Final report created. | 6.25 | BSCS-F16-LC-163 | Checking the scope of the project again. | Project final report completed. |  |
| BSCS-F15-LC-145 | Presentation and Demonstration. | Project final report completed. |  |
| UGLC-402 | Deploy the software package and final its essential plugins. | Project final report completed. |  |