**Table of Content**

|  |  |  |  |
| --- | --- | --- | --- |
| **Chapter Number** | | **Title** | **Page Number** |
|  |  | Introduction | 1 |
|  |  | Architecture Of Library Management System | 2 |
|  | 2.1 | Block Diagram | 2 |
|  |  | Features | 5 |
|  |  | UML Diagrams | 7 |
|  | 4.1 | High Level Usecase Diagram | 7 |
|  | 4.2 | Class Diagram | 8 |
|  | 4.3 | Sequence Diagram | 9 |
|  | 4.4 | Activity Diagram | 16 |
|  | 4.5 | Detailed Usecase Diagram | 26 |
|  |  | Conclusion | 30 |

**Table of Figures**

|  |  |  |
| --- | --- | --- |
| **Figure Number** | **Title** | **Page Number** |
| 2.1 a | LMS Block Diagram (Member) | 3 |
| 2.1 b | LMS Block Diagram (Librarian and Library Administrator) | 4 |
| 4.1 | High level Usecase Diagram | 7 |
| 4.2 | Class Diagram | 8 |
| 4.3.1.1 | Sequence Diagram for Login Module | 9 |
| 4.3.1.2 | Sequence Diagram for Logout Module | 10 |
| 4.3.2 | Sequence Diagram for Viewing account Detail of User | 10 |
| 4.3.3 | Sequence Diagram for Search Book Module | 11 |
| 4.3.4 | Sequence Diagram for Manage Book Record Module | 11 |
| 4.3.5 | Sequence Diagram for Issue Book Module | 12 |
| 4.3.6 | Sequence Diagram for Return Book Module | 13 |
| 4.3.7 | Sequence Diagram for Manage Due Module | 14 |
| 4.3.8 | Sequence Diagram for Manage Account Module | 15 |
| 4.3.9 | Sequence Diagram for Report Generation Module | 15 |
| 4.3.10 | Sequence Diagram for Place Order Module | 16 |
| 4.4.1 | Activity Diagram for Login Module | 17 |
| 4.4.2 | Activity Diagram for Search Book Module | 18 |
| 4.4.3 | Activity Diagram for Manage Due Module | 19 |
| 4.4.4 | Activity Diagram for Manage Account Module | 20 |
| 4.4.5 | Activity Diagram for Manage Book Record Module | 21 |
| 4.4.6 | Activity Diagram for Report Generation Module | 22 |
| 4.4.7 | Activity Diagram for Issue Book Module | 23 |
| 4.4.8 | Activity Diagram for Return Book Module | 24 |
| 4.4.9 | Activity Diagram for Place Order for a Book Module | 25 |
| 4.5.1 | Usecase Diagram for Member | 27 |
| 4.5.2 | Usecase Diagram for Librarian | 28 |
| 4.5.3 | Usecase Diagram for Library Administrator | 29 |