

Bachelor of Computer Application (BCA) Programme

Minor Project Report

BCA Sem V

AY 2022-23

**MERN Real-Time Chat Application**

*by*

|  |  |  |
| --- | --- | --- |
| Exam No. | Roll No. | Name of Student |
|  | 016 | Bhimani Chintan Ashvinbhai |

**Project Guide by:**

Prof. Nainesh Gathiyavala

*I N D E X*

|  |  |  |
| --- | --- | --- |
| **Sr. No** | **Description** | **Page No.** |
| 1 | Introduction |  |
|  | 1.1 Project description |  |
|  | 1.2 Project Profile |  |
| 2 | Environment Description |  |
|  | 2.1 Hardware and Software Requirements |  |
|  | 2.2 Technologies Used |  |
| 3 | System Analysis and Planning |  |
|  | 3.1 Existing System and its Drawbacks |  |
|  | 3.2 Feasibility Study |  |
|  | 3.3 Requirement Gathering and Analysis |  |
| 4 | Proposed System |  |
|  | 4.1 Scope |  |
|  | 4.2 Project modules |  |
|  | 4.3 Module vise objectives/functionalities Constraints |  |
| 5 | Detail Planning |  |
|  | 5.1 Data Flow Diagram / UML |  |
|  | 5.2 Process Specification / Activity Flow Diagram |  |
|  | 5.3 Data Dictionary |  |
|  | 5.4 Entity-Relationship Diagram / Class Diagram |  |
| 6 | System Design |  |
|  | 6.1 Database Design |  |
|  | 6.2 Directory Structure |  |
|  | 6.3 Input Design |  |
|  | 6.4 Output Design |  |
| 7 | Software Testing |  |
| 8 | Limitations and Future Scope of Enhancements |  |
| 9 | References |  |