**CHAPTER -03**

**DAILY DIARY**

**Progress Report Perform**

**Name of Institute**: B & B Institute of Technology

**Name of Department:** Computer GIA

**Name of Intern:** Patel Dhara Jigneshkumar

**Enrolment No:** 236040307092 **Division:** GIA

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| **Date & Day** | **Detailed Description about exposure to processes and inputs provided till the data** |
| 27 may 2025 - Tuesday | Defining system modules: user, messages.  defining an attribute for an entities and relationship between entities. |
| 28 may 2025 - Wednesday | Creating relationship matrix.  Creating an entity relationship diagram.  Normalization of schema and key and attribute from 1NF to 3NF (All schema are normalized when designed not needed to normalize it). |
| 29 may 2025 - Thursday | Converting Entity Relation to Relational Model – implementing ER. Diagram and document it. |
| 30 may - Friday | Learning basics of JavaScript: Variable, Data types, Functions, Conditions, Loops, Event Handling. |
| 31 may - Saturday | DOM Manipulation, Form Validation, Show & hiding Elements. Completing practical task of learned JS. |
| 2 June - Monday | AJAX : The Technique - Learn AJAX using XMLHttRequest Object, AJAX Requests, Response, AJAX with PHP. |
| 3 June - Tuesday | Learn JSON: Introduction, Syntax, compared with XML, its methods, Practical task related to the JSON. |
| 4 June - Wednesday | Building a mini polling Demo Fetch dummy messages from PHP using AJAX every 2 Seconds. |
| 5 June - Thursday | System Implementation Phase Initiation and Project Folder Setup. |
| 6 June - Friday | Implementing user registration, login and with session. |
| 7 June - Saturday | Creating chat backend. |
| 9 June - Monday | Secure session logic: Prevent unauthorized access, handle logout. |
| 10 June - Tuesday | Testing backend with browser. |
| 11 June - Wednesday | Initiating styling: Styling login form and registration form. |
| 12 June - Thursday | Design main chat interface: user list + message panel |
| 13 June, 14 June – Friday, Saturday | Using JS to load user list dynamically |
| 16 June - Monday | Front-end navigation testing – login, chat layout, logout. |
| 17 June – Tuesday | Chat area created: input, scrollable messages. |
| 18 June – Wednesday | Additional Features: delete message, edit message. |
| 19 June – Thursday | Display message with time, Sender/receiving alignment. |
| 20 June - Friday | Finalized scroll behaviour, CSS edited for interface |
| 21 June – Saturday | Polish UI (CSS spacing, hovering effects, etc. |
| 23 June – Monday | Typing indicator added |
| 24 June – Tuesday | Seen message status added |
| 25 June – Wednesday, 26 June – Thursday | Blocking user |
| 27 June - Friday | Delete Conversation with multiple selection of message |
| 28 June – Saturday | Clearing chat |
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Remarks: - Internship progress found Very good/ good / satisfactory

Signature of Endorsing Faculty Mentor