**Project Status Report II**

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| Date of Report Issue/Prepared: 9 March 2025 |

Report Prepared by Team Members: Manvi Gumber,

Meet Patel,

Harin Reddy,

Shyam Patel

Employer/Organization (if applicable): Sriven Security

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| Project Name:  Project Team:  Period Reporting:  Overall Project Health | ShiftSmart | |
| T37 | |
| Start Date: **Feb 01, 2025** | End Date: **Mar 09, 2025** |
| Green (Good) | |

Summary

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| **Project Status Summary** |
| The ShiftSmart project has made significant progress, with key developments in both backend and frontend. The backend now includes refined schedule functionality and completed RESTful APIs for user, shift, site, assignment, and payroll management. Password change and forgot password functionalities have also been implemented and integrated with the frontend.  On the frontend, the payroll and manager portals have been developed and connected to most backend endpoints. HR functionalities, including user, role, and site management, have been completed. The manager portal now supports CRUD operations on shifts, along with employee and site retrieval. Employee functionalities such as leave requests, reports, and profile management have been implemented, and payroll management now includes employee retrieval for the payroll manager dashboard. While the schedule functionality has been completed on the backend, its integration into the frontend is still pending.  From an infrastructure standpoint, GitHub version control workflows continue to support seamless collaboration among developers. Continuous deployment pipelines are being tested to ensure smooth and efficient deployments in future development phases. With most core functionalities implemented and API integration nearly complete, the project is progressing well toward its next phase. |

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| **Accomplishments As Planned** | **Planned but not Accomplished** |
| * Developed and tested RESTful API endpoints for user management, shift creation, site management, assignment tracking, and payroll processing. * Implemented and refined schedule functionality in the backend (frontend integration pending). * Successfully implemented password change and forgot password functionalities (backend & frontend). * Developed payroll and manager portals with successful backend integration. . * Completed HR functionalities: user management, role management, and site management. * Implemented CRUD operations on shifts for each site in the manager portal, including employee and site retrieval. * Developed employee functionalities: leave requests, report submissions, and profile management. * Integrated payroll management with employee retrieval for the payroll manager dashboard. * Established GitHub workflows for version control and CI/CD pipelines. * Tested continuous deployment pipelines for future development phases. | * Full implementation of the notification system (in-progress). * Integrate frontend with backend APIs(few functionalities are yet to be connected to backend) * Complete testing of all API endpoints (advanced test cases pending for new endpoints). * Comprehensive security audit and code review. |

Upcoming Objectives for **Mar 09, 2025 to Mar 27, 2025**

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|  | | **Planned Activities/Tasks for Next Period** | |  |
| Activity/Task | Assigned To  <name/s> | | Duration  <days> | Date |
| Finishing-up schedule functionality | Harin Reddy | | 4   |  |  | | --- | --- | |  |  | | Mar 9 - Mar 13 |
| Implement notification system | |  |  | | --- | --- | |  | Manvi Gumber | | | 4 | Mar 10 - Mar 14 |
| Retrieving Schedules(Employee Dashboard) | Shyam Patel | | 1 | Mar 14 - Mar 15 |
| Finishing-up payroll functionality | |  |  | | --- | --- | |  | Meet Patel | | | 3 | Mar 14 – Mar 17 |
| Finishing-up Chat-Box functionality | Harin & Meet | | 2 | Mar 17 - Mar 19 |
| Conduct end-to-end API testing | Shyam & Manvi | | 2 | |  |  | | --- | --- | |  | Mar 17 – Mar 19 | |
| Conduct usability testing for UI/UX | Team | | 2 | Mar 19 – Mar 21 |
| Complete API documentation and code comments | Team | | 2 | Mar 21 – Mar 23 |
| Deployment of final application | Team | | 2 | |  |  | | --- | --- | |  | Mar 23 - Mar 25 | |
| Collection of post-deployment feedback | Team | | 2 | Mar 25 - Mar 27 |

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|  | **Milestones for Next Period** | | |
| Milestone (Objective) | | Assigned To | Delivery Date |
| Fully functional worker schedule module | | |  |  | | --- | --- | |  | Harin Reddy | | Mar 13, 2025 |
| Notification system implemented | | Manvi Gumber | Mar 14, 2025 |
| Schedule retrieval | | |  |  | | --- | --- | |  | Shyam Patel | | Mar 15, 2025 |
| Payroll functionality | | |  | | --- | | Meet Patel | | Mar 17, 2025 |
| Chat-Box functionality | | |  |  | | --- | --- | |  | Harin & Meet | | March 19, 2025 |
| End-to-End Testing | | Team | Mar 21, 2025 |
| Final API documentation submitted | | Team | Mar 23, 2025 |
| Final application deployed | | Team | Mar 25, 2025 |
| Post-deployment feedback report | | Team | Mar 27, 2025 |

Managing Issues and Risk (for current reporting period and next period)

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| **Issues/Problems** | **Resolution Strategy** | **Due Date** |
| Delay in notification system integration | Allocate additional resources if needed | Mar 14, 2025 |
| API testing revealing minor bugs | Conduct thorough debugging sessions | Mar 21, 2025 |
| Deployment pipeline configuration issues | Troubleshoot with CI/CD tools' support | Mar 21, 2025 |
| Post-deployment bugs identified | |  |  | | --- | --- | |  | Apply hotfixes and patches immediately | | Mar 27, 2025 |

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| **Upcoming Risks** | **Risk Ranking**  **(Hi, Med, Low)** | **Risk Impact**  **(Hi, Med, Low)** | **Mitigation Strategy** |
| Integration Failure with payroll System | Med | Hi | Perform through testing before go live, have a fall back process in case of failure |
| Incomplete API documentation | Low | Med | Assign dedicated time for documentation |
| Security vulnerabilities due to rapid changes | Hi | Low | Ensure redundancy and backup systems are in place; conduct regular system maintenance. |
| Poor user feedback from usability testing | Med | Med | Develop a comprehensive testing plan that includes unit, integration, and user acceptance testing (UAT) to identify and resolve issues before launch. |
| Third party Dependencies | Med | Med | Establish clear communication channels with third-party providers. Monitor their progress and have backup options. |
| Notification System Failures | Med | Hi | Utilize multiple channels for notifications (email, SMS) and establish a backup notification process to ensure alerts are sent out reliably. |