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| Booking System for Hasta Travel Group | | |
| 1.0 Requirement Gathering | Duration | Pre-requisite |
| 1.1 Define Project Scope |  |  |
| 1.1.1 Outline Project Objectives | 1 week | - |
| 1.1.2 Determine Scope Boundaries | 1 week | 1.1.1 |
| 1.1.3 Establish key deliverables | 1 week | 1.1.1 |
| 1.2 Conduct Stakeholder Interviews |  |  |
| 1.2.1 Interview Management Team | 1 week | 1.1.2,1,1,3 |
| 1.2.2 Interview Head of IT | 1 week | 1.1.2,1.1.3 |
| 1.2.3 Interview Operation Team | 1 week | 1.1.2,1.1.3 |
| 1.3 Document Current System Issues and Needs |  |  |
| 1.3.1 Determine Manual Work Inefficiency | 1 week | 1.2.1,1.2.2,1.2.3 |
| 1.3.2 Research on Current Booking System | 1 week | 1.2.1,1.2.2,1.2.3 |
| 1.3.3 Identify Invoice System Requirement | 1 week | 1.2.1,1.2.2,1.2.3 |
| 2.0 Design |  |  |
| 2.1 Generate Innovative System |  |  |
| 2.1.1 Identify Automatable Process | 1 week | 1.3.1, 1.3.2 |
| 2.1.2 Design Prototype of Booking System | 2 week | 1.3.2,2.1.1 |
| 2.1.3 Create Prototype of Invoice System | 2 week | 1.3.3,2.1.1 |
| 2.2 Design User Interface (UI) |  |  |
| 2.2.1 Create Mock-Up and Prototype | 2 week | 1.3.1,1.3.2,1.3.3 |
| 2.2.2 Gather User Feedback on Design | 1 week | 2.2.1 |
| 2.2.3 Review and Finalise Design | 1 week | 2.2.2 |
| 2.3 Determine Database Structure and Model |  |  |
| 2.3.1 Define Database Structure for Client Data | 2 week | 1.3.2,1.3.3 |
| 2.3.2 Design Booking Tracking System Schema | 2 week | 2.3.1 |
| 2.3.3 Establish Invoice Report Data Structure | 2 week | 2.3.1 |
| 3.0 Development |  |  |
| 3.1 Set up Booking System |  |  |
| 3.1.1 Set Up Website for Booking | 2 week | 2.1.2,2.2.3 |
| 3.1.2 Set Up Booking Tracking System | 3 week | 2.3.2 |
| 3.1.3 Integrate Booking System with Existing Tools (Whatsapp,Email) | 2 week | 3.1.1,3.1.2 |
| 3.2 Set up Invoice System |  |  |
| 3.2.1 Configure Database for Invoice Tracking | 2 week | 2.2.3,2.3.3 |
| 3.2.2 Set up Invoice Tracking System | 3 week | 3.2.1 |
| 3.2.3 Set up Reporting System for Invoice System | 2 week | 3.2.2 |
| 3.3 Integrate Booking System with Invoice System |  |  |
| 3.3.1 Integrate Invoice System in Booking System | 2 week | 3.1.3,3.2.3 |
| 3.3.2 Ensure Correct Data Flow from Booking System to Invoice System | 2 week | 3.3.1 |
| 3.3.3 Integrate System with Existing System | 2 week | 3.3.2 |
| 4.0 Testing |  |  |
| 4.1 Conduct unit test on Proposed System |  |  |
| 4.1.1 Test Booking System and Invoice System Functionality | 2 week | 3.1.3,3.2.3 |
| 4.1.2 Ensure Correct Data Processing and Storage | 2 week | 4.1.1 |
| 4.1.3 Ensure User Interface Usability | 1 week | 4.1.1 |
| 4.2 Conduct Integration Test with Current System |  |  |
| 4.2.1 Test Integrated System (Booking and Invoice) Functionality | 2 week | 3.3.3,4.1.2,4.1.3 |
| 4.2.2 Test Integrated System with Existing tools (Whatsapp and Email) | 2 week | 3.3.3 |
| 4.2.3 Verify Data from Integrated System and Data Stored Database | 1 week | 4.2.1,4.2.2 |
| 4.3 Run User Acceptance Test with Management, IT and Operation Team |  |  |
| 4.3.1 Prepare UAT environment | 1 week | 4.2.3 |
| 4.3.2 Collect Feedback from Management, IT and Operation Team | 2 week | 4.3.1 |
| 4.3.3 Document and Resolve any Problem or Issues Encountered | 2 week | 4.3.2 |
| 5.0 Deployment |  |  |
| 5.1 Prepare Deployment Plan |  |  |
| 5.1.1 Develop Deployment Strategy and Transition Timeline | 1 week | 4.3.3 |
| 5.1.2 Prepare User Training Materials and Documentation | 2 week | 5.1.1 |
| 5.1.3 Prepare Backup and Recovery Plan | 1 week | 5.1.1 |
| 5.2 Deploy Booking System |  |  |
| 5.2.1 Deploy Booking System in Phase | 3 week | 5.1.2,5.1.3 |
| 5.2.2 Transition data from Old System to New System | 3 week | 5.2.1 |
| 5.2.3 Ensure Booking System Full Functionality Post-Deployment | 2 week | 5.2.2 |
| 5.3 Provide Training, Guides and Documentation |  |  |
| 5.3.1 Conduct Training Session | 4 week | 5.2.3 |
| 5.3.2 Provide User Guide and Manuals | 2 week | 5.2.3 |
| 5.3.3 Setting up Support and Troubleshooting System | 2 week | 5.3.1,5.2.2 |

**Pert Diagram:** 