* **Effort = PM = 2.4 ×()1.05**

**= 13.00**

* **Development time = DM = 2.50 × ( 13.00 )0.38**

**=6.63**

* **Required number of people = ST =**

**=1.96 ͌ 2**

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| Week  Task: Person | 111 | 2 2 | 333 | 444 | 555 | 666 | 777 | 888 | 999 | 1010 | 1111 | 1212 | 1313 | 1414 | 1515 | 1616 | 1717 | 1818 | 1919 | 2020 | 2121 | 2222 | 2323 | 2424 | 2525 | 2626 | 2727 | 2828 |
| A: Sid |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| B: Ibt |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C: Sid |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| G: Ibt |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H: Sid |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I: Ibt |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| J: Sid |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Activity Key:

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| A: Project Planning 1  B: Project Planning 2  C: Design 1  D: Design 2  E: Development 1 | F: Development 2  G: Testing  H: Integration  I: Marketing  J: Support |

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| Total Tasks | Week 1 | | | | | Week 2 | | | | | Week 3 | | | | | Week 4 | | | | | Week 5 | | | | |
| **1.1: Project Planning**  Define Project Goals  Requirements Evaluation  Initial Requirements  Detailed Requirements  Identify Stakeholders  Identify Tools & Technologies  Project Budget  Project Schedule  **1.2: Project Planning**  Form Project Team  Communication  Risk Management  Feasibility  Quality Management  **1.3: Design**  Design System Authentication  Develop Prototype  Review & Approve Prototype  Design System Architecture  Design Database Schema  UI/UX Design  OOAD Diagrams  UI/UX & OOAD Design  Feedback  Design Document Creation  **1.4: Development**  Program Feature  Backend Development  Frontend Development  Database Connection  Security Feature  Unit Testing  Version Control  **1.5: Testing**  Requirement Analysis  Test Case Development  Test Execution  Test Report  **1.6: Integration**  Deployment Plan  System Handover  Feedback  Documentation  Issue Patches & Updates  **1.7: Marketing**  Prepare Product Launch  Plan  Market Analysis  Create Demo Videos/Promos  Email Marketing  Social Media Marketing  Content Writing for Website  **1.8: Support**  Feedback Analysis  Setup Support Channels  Schedule Periodic Updates  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Total Tasks | Week 6 | | | | | Week 7 | | | | | Week 8 | | | | | Week 9 | | | | | Week 10 | | | | |
| **1.2: Project Planning**  Form Project Team  Communication  Risk Management  Feasibility  Quality Management  **1.3: Design**  Design System Authentic-  ation  Develop Prototype  Review & Approve Proto-  type  Design System Architect-  ure  Design Database Schema  UI/UX Design  OOAD Diagrams  UI/UX & OOAD Design  Feedback  Design Document Crea-  tion  **1.4: Development**  Program Feature  Backend Development  Frontend Development  Database Connection  Security Feature  Unit Testing  Version Control  **1.5: Testing**  Requirement Analysis  Test Case Development  Test Execution  Test Report  **1.6: Integration**  Deployment Plan  System Handover  Feedback  Documentation  Issue Patches & Updates  **1.7: Marketing**  Prepare Product Launch-  Plan  Market Analysis  Create Demo Videos/Pro-  mos  Email Marketing  Social Media Marketing  Content Writing for Web-  site  **1.8: Support**  Feedback Analysis  Setup Support Channels  Schedule Periodic Updates  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Total Tasks | Week 11 | | | | | Week 12 | | | | | Week 13 | | | | | Week 14 | | | | | Week 15 | | | | |
| **1.3: Design**  Design System Authentic-  ation  Develop Prototype  Review & Approve Proto-  type  Design System Architect-  ure  Design Database Schema  UI/UX Design  OOAD Diagrams  UI/UX & OOAD Design  Feedback  Design Document Crea-  tion  **1.4: Development**  Program Feature  Backend Development  Frontend Development  Database Connection  Security Feature  Unit Testing  Version Control  **1.5: Testing**  Requirement Analysis  Test Case Development  Test Execution  Test Report  **1.6: Integration**  Deployment Plan  System Handover  Feedback  Documentation  Issue Patches & Updates  **1.7: Marketing**  Market Analysis  Social Media Marketing  **1.8: Support**  Feedback Analysis  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Total Tasks | Week 16 | | | | | Week 17 | | | | | Week 18 | | | | | Week 19 | | | | | Week 20 | | | | |
| **1.4: Development**  Program Feature  Backend Development  Frontend Development  Database Connection  Security Feature  Unit Testing  Version Control  **1.5: Testing**  Requirement Analysis  Test Case Development  Test Execution  Test Report  **1.6: Integration**  Deployment Plan  System Handover  Feedback  Documentation  Issue Patches & Updates  **1.7: Marketing**  Prepare Product Launch  Plan  Market Analysis  Create Demo Videos/Promos  Email Marketing  Social Media Marketing  Content Writing for Website  **1.8: Support**  Feedback Analysis  Setup Support Channels  Schedule Periodic Updates  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Total Tasks | Week 21 | | | | | Week 22 | | | | | Week 23 | | | | | Week 24 | | | | | Week 25 | | | | |
| **1.5: Testing**  Requirement Analysis  Test Case Development  Test Execution  Test Report  **1.6: Integration**  Deployment Plan  System Handover  Feedback  Documentation  Issue Patches & Updates  **1.7: Marketing**  Prepare Product Launch -  Plan  Market Analysis  Create Demo Videos/Pro-  mos  Email Marketing  Social Media Marketing  Content Writing for Website  **1.8: Support**  Feedback Analysis  Setup Support Channels  Schedule Periodic Updates  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| Total Tasks | Week 26 | | | | | Week 27 | | | | | Week 28 | | | | |
| **1.7: Marketing**  Prepare Product Launch -  Plan  Market Analysis  Create Demo Videos/Pro-  mos  Email Marketing  Social Media Marketing  Content Writing for Web-  site  **1.8: Support**  Feedback Analysis  Setup Support Channels  Schedule Periodic Update  Maintenance  Training |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |