Work Breakdown Structure

Proposal 1

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| --- | --- | --- | --- |
| **Task Name** | **Days** | **Position** | **Cost**  **(USD)** |
| **1. Monitoring Activities** |  |  |  |
| 1.1 Project Charter | 5 | Project Manager | $1500 |
| 1.2 Project Management Plan | 5 | Business Analyst | $1500 |
| 1.3 Controlling Activities | 3 | Project Manager | $2450 |
| 1.4 Project Charter signed/ Approved | 1 | Project Manager | $1240 |
| **2. Initiation/Planning** |  |  |  |
| 2.1 Feasibility study |  |  |  |
| 2.1.1 Technical Feasibility | 5 | IT Technician | $500 |
| 2.1.2 Legal Feasibility | 5 | Legal Officer | $500 |
| 2.1.3 Operational Feasibility | 5 | Project Manager | $500 |
| 2.1.4 Schedule Feasibility | 5 | Project Sponsor | $500 |
| 2.1.5 Economic Feasibility | 5 | Finance Officer | $500 |
| 2.2 Project Team Selection | 4 | Project Manager | $1000 |
| 2.3 Business Case | 10 | Business Analyst | $1700 |
| 2.4 Develop Project Plan | 10 | Business Analyst | $1600 |
| **3. Requirement Analysis** |  |  |  |
| 3.1 Requirements Gathering |  |  |  |
| 3.1.1 Hardware Requirements |  |  |  |
| 3.1.1.1 Computers/Laptops | 12 | IT Technician | $500 |
| 3.1.1.2 Networking Devices | 10 | IT Technician | $500 |
| 3.1.1.3 Point of sale Terminal | 10 | IT Technician | $500 |
| 3.1.2 Software Requirements |  |  |  |
| 3.1.2.1 Operating System | 10 | Software Developer | $250 |
| 3.1.2.2 Software Development Kit | 10 | Software Developer | $250 |
| 3.1.2.3 SDE | 5 | Software Developer | $250 |
| 3.2 Verify and Validate Requirements | 10 | Functional Manager | $1500 |
| 3.3 Security Planning | 5 | Project Manager | $1500 |
| 3.4 Ordering and delivery of Requirements | 10 | Project Manager | $2300 |
| 3.5 Setting Up the Equipment |  |  |  |
| 3.5.1 Setting Up Hardware | 3 | IT Technician | $1000 |
| 3.5.2 Setting up software and licenses | 3 | Software Developer | $1000 |
| 3.5.3 Setting Up the Network | 6 | IT Technician | $1000 |
| 3.5.4 Wireless Internet Integration | 2 | Internet Service Provider | $500 |
| **4. Design** |  |  |  |
| 4.1 High-Level Design | 10 | Software Architect | $1,500 |
| 4.2 Proof of concept | 10 | Business Analyst | $2100 |
| 4.3 Detailed Design | 10 | Software Architect | $1,670 |
| 4.4 Technical Specifications | 10 | Software Developer | $1600 |
| 4.5 External Interface Design | 10 | UX Designer | $1500 |
| **5. Development** |  |  |  |
| 5.1 Build/Develop |  |  |  |
| 5.1.1 Front End Development | 100 | Software Developer | $5600 |
| 5.1.2 Back End Development | 150 | Software Developer | $6600 |
| 5.1.3 Database | 150 | Database Developer | $6000 |
| 5.1.4 Debugging | 50 | Software Developer | $1200 |
| 5.2 Integration Planning | 2 | Project Manager | $1500 |
| 5.3 Documentation | 2 | Project Manager | $1500 |
| 5.4 Test Planning | 2 | Project Manager | $1500 |
| 5.5 Deployment Planning | 2 | Project Manager | $1500 |
| 5.6 Training Planning | 2 | Project Manager | $1500 |
| 5.7 Business continuity planning | 2 | Project Manager | $1500 |
| 5.8 Transition Planning | 2 | Project Manager | $1500 |
| 5.9 Prototyping | 20 | Project Manager | $1000 |
| **6. Quality Assessment** |  |  |  |
| 6.1 Unit Test | 10 | QA Engineer | $1500 |
| 6.2 Function Test | 10 | QA Engineer/Users | $1500 |
| 6.3 Integration Test | 10 | QA Engineer | $1500 |
| 6.4 System Test | 10 | UX Engineer | $1500 |
| 6.5 Peer Reviews | 5 | Software Developer | $1200 |
| **7. Implementation** |  |  |  |
| 7.1 Deployment/Installation | 10 | Project Manager | $6700 |
| 7.2 Training | 100 | Project Manager | $8200 |
| 7.3 Support | 100 | Project Manager | $1000 |
| 7.4 System Maintenance | Ongoing | Software Developer | $1200 |
| 7.5 Project Tracking and Control | Ongoing | Project Manager | $1200 |
| **Total** | | | $89,310 |

