**CHAPTER 4**

**PROJECT COST**

**4.1. Cost of Project Resources**

**4.1.1. Effort Cost**

*Table 9. Effort Cost*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Effort Cost |  |  |  |  |
| Member | Hours/Day | Rate/Hour | Total Working  Days | Total |
| Waro | 6 | PHP 50.00 | 296 | PHP 88,800 |
| Fernandez | 4 | PHP 35.00 | 296 | PHP 41,440 |
| Kenoh | 5 | PHP 40.00 | 296 | PHP 59,200 |
| Arcillia | 4 | PHP 35.00 | 296 | PHP 41,440 |
| Lacsi | 4 | PHP 35.00 | 296 | PHP 41,440 |
|  |  |  | **Total** | **PHP 272,320** |

**4.1.2. Hardware Cost**

*Table 10. Hardware Cost*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hardware Cost |  |  |  |  |
| Item | Unit | Price/Unit | Quantity | Total |
| Laptop | Acer | PHP 30,000 | 3 | PHP 90,000 |
| Flashdrive | 32GB | PHP 200 | 2 | PHP 400 |
|  |  |  | **Total** | **PHP 90,400** |

**4.1.3. Software Cost**

*Table 11. Software Cost*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Software Cost |  |  |  |  |
| Item | Unit | Price/Unit | Quantity | Total |
| Software for  Development  (HTML, CSS, JS,  MySQL) | License | FREE | 5 | FREE |
| Google Calendar API | Account/Month | FREE | 12 Months | FREE |
| 3rd Party App | Account/Month | PHP 2000 | 1 Month | PHP 2000 |
|  |  |  | **Total** | **PHP 2000** |

**4.1.4. Miscellaneous Cost**

*Table 12. Miscellaneous Cost*

|  |  |  |
| --- | --- | --- |
| Miscellaneous |  |  |
| Item |  | Total |
| Food Allowance |  | PHP 2,000 |
| Transportation |  | PHP 1,500 |
| Cloud Server Subscription for a year |  | PHP 1,540 |
| Utility |  | PHP 10,000 |
|  | **Total** | **PHP 15,040** |

**4.1.5. Overall Cost**

*Table 13. Overall Cost*

|  |  |  |
| --- | --- | --- |
| Overall Cost |  |  |
| Expenses |  | Total |
| Effort Cost |  | PHP 272,320 |
| Software Cost |  | PHP 2,000 |
| Hardware Cost |  | PHP 90,400 |
| Miscellaneous |  | PHP 15,040 |
|  | **Total** | **PHP 379,760** |

**4.2. Return On-Investment**

*Table 14. Return-On-Investment*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Development Cost** | |  |  |
| Type Of Cost |  | Year | |  | Total |
| 2022 | 2023 | 2024 | 2025 |
| Salary | PHP 272,320 | 0 | 0 | 0 | PHP 272,320 |
| Hardware | PHP 90,400 | 0 | 0 | 0 | PHP 90,400 |
| Software | PHP 2,000 | 0 | 0 | 0 | PHP 2,000 |
| Miscellaneous | PHP 15,040 | 0 | 0 | 0 | PHP 15,040 |
| **Total** | **PHP 379,760** | 0 | 0 | 0 | **PHP 379,760** |

*Table 15. Operational Cost*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Operational Cost** | | | | | |
| Type of Cost | *Year* | | | | Total |
| *2022* | *2023* | *2024* | *2025* |
| Maintenance | 0 | PHP 5,000 | PHP 10,000 | PHP 15,000 | PHP 20,000 |
| Repairs | 0 | PHP 5,000 | PHP 10,000 | PHP 15,000 | PHP 20,000 |
| Upgrades | 0 | PHP 7,000 | PHP 14,000 | PHP 21,000 | PHP 42,000 |
| Utility | 0 | PHP 10,000 | PHP 10,000 | PHP 10,000 | PHP 30,000 |
| **Total** | **0** | **PHP 27,000** | **PHP 44,000** | **PHP 61,000** | **PHP 112,000** |

*Table 16. Tangible Benefits*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tangible Benefits** | | | | | |
| Type of  Benefits | *Year* | | | | Total |
| 2022 | 2023 | 2024 | 2025 |
| Increase Sales | 0 | PHP 80,000 | PHP 100,000 | PHP 120,000 | PHP 300,000 |
| Reduce Wages | 0 | PHP 46,000 | PHP 46,000 | PHP 46,000 | PHP 140,000 |
| **Total** | **0** | **PHP 126,000** | **PHP 146,000** | **PHP 166,000** | **PHP 440,000** |

ROI = (benefits-(total cost))/total cost x 100

ROI = (benefits-(development + operational))/total cost x 100

ROI = (440,000-(379,760+112,000))/ 379,760 x 100

ROI = (440,000-491,760)/ 379,760 x 100

ROI = 51,760/379,760 x 100

ROI = 0.137 x 100

ROI = 13,7% in 3 years after the development

**The project resulted in a positive ROI.**