Week 4 Group Work

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**Chapter 7 Task 1- Bollu**

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| **WBS Categories** | **Internal**  **Labor** | **$/**  **hour** | **Internal**  **$ Total** | **External**  **Labor** | **$/**  **hour** | **External**  **$ Total** | **Total**  **Labor** | **Non-labor $** | **Total Cost** |
| 1.1 Project management | 750 | $ 20 | $ 15,000 |  |  |  | 750 |  | $ 15,000 |
| 1.2 Hardware (3 laptops and internet access) | 3 |  | $ 5,000 |  |  |  | 3 |  | $ 5,000 |
| 1.3 Software |  |  |  |  |  |  | 466 |  | $ 14,980 |
| 1.3.1 Outsourced |  |  |  |  |  |  |  |  |  |
| 1.3.1.1 Domain name and site hosting |  |  |  | 50 | $ 30 | $ 1,500 |  |  |  |
| 1.3.1.2 Donation acceptance feature of website |  |  |  | 100 | $ 30 | $ 3,000 |  |  |  |
| 1.3.1.3 Video creation for website |  |  |  | 100 | $ 30 | $ 3,000 |  |  |  |
| 1.3.2 In-house development |  |  |  |  |  |  |  |  |  |
| 1.3.2.1 Guidelines and templates for videos | 70 | $ 30 | $ 2,100 |  |  |  |  |  |  |
| 1.3.2.2 Acceptance of ideas for needed new products or services | 63 | $ 30 | $ 1,890 |  |  |  |  |  |  |
| 1.3.2.3 Custom site for 20 events | 62 | $ 30 | $ 1,860 |  |  |  |  |  |  |
| 1.3.3 Testing | 54 | $ 30 | $ 1,620 |  |  |  |  |  |  |
| 1.4 Business plan |  |  |  |  |  |  | 1200 |  | $ 30,000 |
| 1.4.1 Internal labor | 1,000 | $ 20 | $ 20,000 |  |  |  |  |  |  |
| 1.4.2 Legal information/assistance |  |  |  | 200 | $ 50 | $10,000 |  |  |  |
| 1.5 Travel |  |  |  |  |  |  |  | $ 30,000 | $ 30,000 |
| 1.6 Events |  |  |  |  |  |  | 1146 |  | $ 25,000 |
| 1.6.1 Internal labor | 750 | $ 20 | $ 15,000 |  |  |  |  |  |  |
| 1.6.2 Consultant labor |  |  |  | 300 | $ 20 | $ 6,000 |  |  |  |
| 1.6.3 Refreshments |  |  |  |  |  |  |  | $ 2,000 |  |
| 1.6.4 Prizes |  |  |  |  |  |  |  | $ 2,000 |  |
| **Total** | **2,739** | **$ 180** | **$ 63,080** | **730** | **$ 160** | **$22,900** | **3,565** | **$ 34,000** | **$119,980** |

**Assumptions:**

Project management has been allotted a budget of $15,000 at a labor rate of $20/hour for 750 units. Regarding the hardware, a standard price for a good laptop is allocated for 3 people which is $1000 each. I also estimated internet access for six months should be approximately $2000 for 6 months. The software budget is split among outsourced and inhouse development at a labor rate of $30/hour. Domain name and site hosting is allocated with 50 units since it takes less man hours consumption than any other development tasks. Domain acceptance feature and video creation for website has been allocated with 100 units each and testing is allocated 54 units which makes total software budget equals to $14,980. Business plan is allocated a total unit of 1200 under which internal labor is allotted 1000 units for events organization planning’s and other business plans at labor rate of $20/hour. The remaining 200 units are allotted for legal consultations at labor rate of $50/hour. Travelling has been allotted a total budget of $30,000. Under events, there are internal labor and consulting labor which has been allocated 750 and 300 units respectively at labor rate of $20/hour. Refreshments and prizes are also allocated some budget which is $1000 each for 4 events. To sum up all the units and budget allocated for a total of six-month schedule, we have utilized 5.2 months and the balance 0.8 months schedule is allocated to non-labor tasks like travelling, event planning and hosting. A total budget of $119,980is been utilized for the project.

**Chapter 7 Task 2- Kurremula**

The cost baseline refers to the project's expenditure, which is split down into cost categories and time periods. The group must create a cost baseline framework that shows the project management work plan in the opening column as well as the periods that follow. This may be done on a weekly, monthly, or yearly basis, based on the tasks that will be performed.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Task Name** | **1st month** | **2nd month** | **3rd month** | **4th month** | **5th month** | **6th month** | **Total** |
| **1. Project Management** |  |  |  |  |  |  |  |
| 1.1. Project manager | $1,520 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $9,020 |
| 1.2. Project team members |  |  |  |  |  |  |  |
| 1.2.1. Kim | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $9,000 |
| 1.2.2. Ashock | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $9,000 |
| 1.2.3. Alfreda | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $1,500 | $9,000 |
| 1.3. Bobby | $2,340 | $2,340 | $2,310 | $2,310 | $2,340 | $2,340 | $13,980 |
| **2. Hardware** |  |  |  |  |  |  |  |
| 2.1. Laptops(3) | $3,000 |  |  |  |  |  | $3,000 |
| 2.2. Internet access for project team members(for 6 months) | $240 | $240 | $240 | $240 | $240 | $240 | $1,440 |
| **3. Software** |  |  |  |  |  |  |  |
| 3.1. Outsourced |  |  |  |  |  |  |  |
| 3.1.1. Domain name and site hosting | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.1.2. Donation acceptance feature of website | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.1.3. Video creation for website | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.2. In-house development |  |  |  |  |  |  |  |
| 3.2.1. Guidelines and templates for events | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.2.2. Acceptance of ideas for required novel goods and services | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.2.3. Custom site for 20 events | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.3. Testing | $335 | $333 | $333 | $333 | $333 | $333 | $2,000 |
| 3.4. Business Plan |  |  |  |  |  |  |  |
| 3.4.1. Internal labour | $85 | $83 | $83 | $83 | $83 | $83 | $500 |
| 3.4.2. Legal information | $85 | $83 | $83 | $83 | $83 | $83 | $500 |
| **4. Travel** |  |  |  |  |  |  |  |
| 4.1. Flight charges | $3,335 | $3,333 | $3,333 | $3,333 | $3,333 | $3,333 | $20,000 |
| 4.2. Hotel | $835 | $833 | $833 | $833 | $833 | $833 | $5,000 |
| 4.3. Hired vehicles | $835 | $833 | $833 | $833 | $833 | $833 | $5,000 |
| **5. Events** |  |  |  |  |  |  |  |
| 5.1. Internal labour | $667 | $665 | $667 | $667 | $667 | $667 | $4,000 |
| 5.2. consultant labour | $667 | $665 | $667 | $667 | $667 | $667 | $4,000 |
| 5.3. Refreshments | $667 | $665 | $667 | $667 | $667 | $667 | $4,000 |
| 5.4. Prizes | $667 | $665 | $667 | $667 | $667 | $667 | $4,000 |
| **6. Subtotals** |  |  |  |  |  |  |  |
| **7. Reserved** | $760 | $760 | $760 | $760 | $760 | $760 | $4,560 |
| **Total Project Cost Estimates** | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 | $20,000 |

**Chapter 7 Task 3- Tellabati**

**Assume that you have completed three months of the project. The BAC was $120,000 for this six-month project. You can also make the following assumptions:**

**PV $60,000**

**EV $55,000**

**AC $50,000**

1. **What is the cost variance, schedule variance, cost performance index (CPI), and schedule performance index (SPI) for the project?**

CV=EV-AC

CV=$55,000-$50,000

CV=$5000

SV=EV-PV

SV=$55,000-$60,000

SV=-$5,000

CPI=$55,000/$60,000

SPI=0.9167

1. **How is the project doing? Is it ahead of schedule or behind schedule? Is it under budget or over budget?**

The project is behind the schedule but under budget.

1. **Use the CPI to calculate the estimate at completion (EAC) for this project. Is the project performing better or worse than planned?**

EAC= BAC/CPI

EAC= $120,000/1.1

EAC= $109,090.91

Since the project is expected to cost less than the assigned budget, it is performing better than expected in terms of costs.

1. **Use the SPI to estimate how long it will take to finish this project.**

TIC= planned Duration/ SPI

TIC= 6 months/0.9167

TIC= 6.55 months

**Chapter 8 Task 1-Chimmiri**

The list of quality criteria or requirements and their expectations connected with satisfying the demands of stakeholders as specified in the running case is as follows.

**Ensure that users understand the website:** The website should be easy to access and comprehend. It should be readable in various languages. Guidelines for registering and running an event should be simple enough for someone with no prior expertise to understand.

**Events should be held successfully:** On-site personnel will be required to assist with setup and to ensure that the event goes well. The proceedings will be live-streamed by a professional video team. In addition to handing out flyers and placing adverts in local media, promotions will be aired.

**All components in the website should be included:** The website must be rationally constructed so that users easily discover the registration, contact information, templates, and other necessary information. Assessments will be an excellent tool for determining whether or not anything wants to be changed.

**Protection against cyber-attacks:** The group must guarantee that its customers have the greatest amount of protection both on and offline the internet. They should also guarantee that in the case of a violation, a high degree of protection is applied.

**The downtime of the website should be minimum:** The team must ensure that thewebsite downtime should be very minimum. As the users feel to be frustrated if the website is not loaded within an expected time. More the website is down less will be the usage of the website by the new customers.

**Chapter 8 Task 2-Ravula**

In general, there are many ways in which the quality can be checked for the project requirements. In this case, the features are all made available to the users.

For all the features, I would like to use the survey option as the progress indicator as it involves most of the users giving feedback about the features which I feel gives an average opinion about them.