Along this section, aspects related to cost control of both human and material (hardware and software) resources will be treated. This will be aimed at detecting cost variations that affect the budget and being able to take the decisions that are necessary in order to avoid the mismatch.

### **Hardware and Software Resources**

The organization has the necessary equipment for the development of the project. Costs and its use are 1,050 euros/month, including both hardware and software.

The total cost for the development equipment that is deduced from the time estimation obtained by means of the Gant diagram, considering an average of XX working days per month, is:

(€ 1,050 / XX days) x (DAYS QUE VAMOS A TARDAR,, SUMA EXCEL) days = € Y,YYY.YY

To develop the project, three workstations must be acquired with a cost of 1,650 euros per station. Another workstation is needed for performance testing with a cost of 3,200 euros.

A new integrated development environment shall also be acquired, at a cost of 1,100 euros per workstation. This environment includes all necessary software for the lifecycle of the project.

Hence, the cost of the material resources that are necessary for the project is:

Material Resources Cost = € 12,266.61 + € 1,650 x 3 + € 3,200 + € 1,100 = € ZZ,ZZZ.ZZ

### **Human Resources**

* 1 system analyst, with a cost of 400 euros/day.
* 1 “senior” designer, with a cost of 350 euros/day.
* 2 “junior” designers with a cost of 200 euros/day.
* 1 systems technician, with a cost of 300 euros/day.

The total amount to be billed qualified personnel profile is shown in Table 1:

| **Profile** | **Daily cost** | **Project Phases** | **Number of Days** | **Total** |
| --- | --- | --- | --- | --- |
| **Software Analyst** | 400€ | Analysis |  |  |
| Design |  |  |
| Integration Tests |  |  |
| System Deployment |  |  |
| **Total Systems Analyst** | |  |
| **Senior Designer** | 350€ | Design |  |  |
| Coding and Unitary Tests |  |  |
| Integration Tests |  |  |
| **Total Senior Designer** | |  |
| **Junior Designers (x2)** | 200€ | Design |  |  |
| Coding and Unitary Tests |  |  |
| Integration Tests |  |  |
| **Total Senior Designer** | |  |
| **System Technician** | 300€ | System Deployment |  |  |
| **Total Systems Technician** | |  |
| **HHRR Budge** | | | |  |

**Table 1. Human Resources Budget**

### **Project Budget**

Finally, a section on Costs Management is included, which evaluates the total estimated budget for the project taking into account the material resources to be used and the qualified personnel to be assigned to the project (Table X).

| **CONCEPT** | **AMOUNT** |
| --- | --- |
| Material Resources |  |
| Human Resources |  |
| **TOTAL** |  |

**Table 2. Total Project Budget**

As a conclusion, we have found that the estimated cost for the project is € AAAAAA. This amount should not be exceeded in order to maintain the expected profits and/or not to incur in losses.