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| Photo displaying partial image of two pie charts on a canvas-textured page |
| New World Training  Analysis Report |
| |  |  |  | | --- | --- | --- | | Robert Lothian | 2/24/21 | HND Comp Sci | |

**Introduction**

In this report I have been tasked to develop 2 solutions to reduce the projects timescale, I aim to do this with evidence from the project to demonstrate the effectiveness of my proposed solutions. I will also highlight any effects of these solutions and propose which of these solutions I would recommend be implemented.

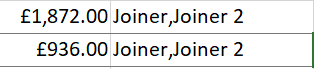
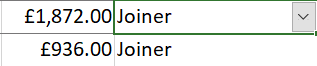
**Solution 1**

My first proposed solution would be to hire another joiner for building the tables. Not only would this half the time of the construction of the tables it will not impact the overall cost (see figure 1). I would suggest the hiring of a new member of staff over using an existing member of staff due to the lower cost of hiring a joiner. By doing this we will save around 10 days working time, also we will be able to start installing the PC’s quicker.

Figure Joiner cost and time comparison



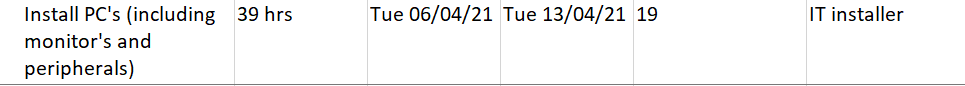


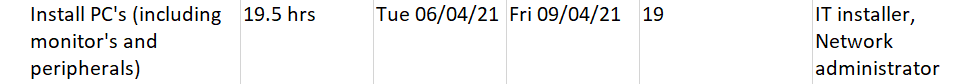


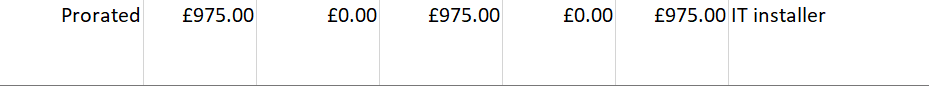
**Solution 2**

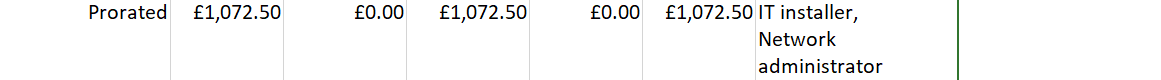
My next proposed solution is to add the Network Administrator to the task of installing PC’s. This will half the time, however it will increase the cost by £97.50 due to the extra per hour cost of the Network Administrator (see figure 2). It would save around 20 hours of work and will allow the quicker implementation of the cable installation.

Figure Adding Network Admin to PC installation









**Proposal and conclusion**

Due to the substantial time save at no extra cost, I would have to suggest solution 1. One of the largest time expenses is the construction of furniture and by following solution 1 we can half that amount of time. While solution 2 would allow the project to proceed faster, the time saved is small compared to solution 1 plus the extra expense involved is another drawback. Therefore the logical solution is to implement solution 1.