

Computer Architecture & Systems – Research Assignment

Further Information

Assignment Weighting: 60%

Following your earlier submission the board of Hanson Engineering has reviewed the budget which was allocated to the move.

They broadly accept the suggestion that the initial budget allocation was insufficient. Therefore they have allowed that up to €25,000 more is to be provided. This gives an upper budgetary limit of €75,000 in total.

However, some further information about specific requirements has now been provided.

- The upper floor should be networked in a completely wireless manner.
- Up to 6 network connections should be supported in the conference room.
- The promotional department will need a colour laser printer, as well as a facility to print on A3 paper.
- The promotional department have no specific software in mind as long as they can perform image-editing and page make-up functions. They will also need word processing and Internet functions.
- The Technical Drawing Department have specifically requested AutoCAD LT version 2004. A plotter is required supporting a minimum of A3 paper size.
- The administrative section will be exchanging documents by email with head office who use Microsoft Excel and Microsoft Word, therefore compatibility with these products will be required. The staff in this section will only use word-processing, spreadsheet, email and web functions. Black only printing is sufficient.
- One of the secretaries to the partner will also be carrying out payroll calculations. Quickpay is the application in use in the head office so this will be used here also.
- The other secretary to the partner will carry out similar functions to the administrative staff downstairs.
- An outside contractor has been obtained to establish a VPN between this office and the head-office. To enable this to function you are required to provide a DSL connection for *both* offices.
- The main server should provide file, web, email, routing and secure logon services for the network. Some sort of data redundancy and/or data backup scheme should be provided.