

Project Brief – NC Cyber Security

A local company named James Watt Eye-Spy PLC have commissioned your team to provide a solution for their workforce of 200 people with annual new employees of 20 people due to expansion.

The company has had various issues with cyber security breaches due to lack of employee awareness of relevant legislation, best practice, and general knowledge of security measures along with a lack of reporting.

James Watt Eye-Spy PLC hopes to create a prevention policy against threats such as viruses and hacking. **The employer hopes to have these common threats highlighted so that they can educate their employees in recognising such threats and the preventative measures they can take in their own working practices.**

Type of data stored is the reason for this investigative task:

- Sensitive documents
 - Customer details
 - Employee details
- Other miscellaneous data (such as design documents)

Only the workforce should have access to this network.

You are to research the main common threats that non-specialised users of a system should be aware of such as through emails as everyone (employees) have access to a company email. Use of removable storage devices and what the user can do to prevent damage to the system and data. (Third party devices such as mobile phones may well merit being mentioned too). Training courses available (residential or online/in-house), and costs of these courses are of interest so these need to be costed and justified.

You may want to look at what threats may arise from in the following areas:

- Emails
- Wifi/network access
- Cloud storage
- Removeable storage
- Third party devices
- Passwords policy
- Employee legal responsibility (Data protection/software licencing issues)
- Common threats (where they may come from)
 - You should include a glossary of these threats such as 'phishing'
- Training courses – you should add the cost of these courses
 - You may want to categorise these courses as essential or useful

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The threats that may be present in such a system only need to be highlighted, you do not have to go into great technical depth with these threats, the company wishes to know of the common problems that can arise from users of the system and how the users can be a part of the defence against them.

Your suggestions may go towards forming a cybersecurity awareness training/education policy.

You have been given until the end of May to plan a full solution, design and showcase a trial implementation to cover current employees testing of knowledge, new employees training and advice to the management team as to best practice for reporting. It is up to your team to consider all aspects and produce a solution that will assist the organisation.

The maximum cost for the total project must be within budget of £20,000 with on-going costs of no more than £2,500 annually.

It is important the solution is presented to the client within the time period mentioned and to ensure all paperwork is provided at each stage of the planning, design and implementation.

As part of the presentation, you must provide a working demonstration and an explanation of the workings of the solution. The presentation might possibly be in the form of a video or a compilation of videos that should have the personal touch of all team members providing an explanation of their role; each member of the team must participate, even if it is a snippet showing faces of each person along with voices explaining different parts of the solution for your client to watch.

Your lecturer will be a representative of the client. The team may wish to discuss this Project Brief and commence planning how the team will respond to the challenge. Start planning and getting to work.

NOTE:

The above is the Project Brief – do not forget about the need to provide evidence for each outcome. Presenting of the final solution is the product to which the team will provide to the client and video is a good way to showcase each member contributing to the team. Do have fun, enjoy and make decisions within your team, keeping your lecturer (the representative of the client updated on a regular basis).

Every member must contribute to the teamwork and evidence is required of the contribution.

Paperwork should include minutes of meetings, discussions, and will be required for periodic reporting to your lecturer via checklists from each team member for each outcome. Have fun – enjoy this project. It should be enjoyable, and the team should be helping each other.

This document incorporates the same scenario for Problem Solving unit