

ProjectManagment_report

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PROJECT MANAGEMENT



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WEB DEVELOPMENT P148890

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RISK MANAGEMENT

Risk management is the practice in project management that allows to identify potential risks in advance that then can be analysed in order to take precautionary steps to avoid and lessen risks. There are two different formulas that can be used to identify risks within a project and minimize their impact which are, risk exposure calculation and evaluation matrix.

Risk exposure calculations is looking about the amount of loss if an identified risk occurs, multiplied by how high the probability of the risk happening. Whereas evaluation matrix is used for planning and organizing an evaluation. It is simply used by making a table to address and evaluate issues and risk. It allows the project team to identify possible risks and plan on how to overcome the risks and plan a salutation.

On this report, an Evaluation Matrix table will be used to evaluate and look at possible risks from the group project. By having a group discussion, the potential risk that were identified were:

Employees

There are multiple risks when it comes to employees. The main risk and concern when it comes to a project is having employees that have other commitments that will hinder them from being fully devoted to the project. It will result in the project's finishing date to be pushed back if tasks are not completed when planned and to give employees a chance to catch up.

Another risk is having employees that do not have the correct skill set to complete certain tasks. This means loss of time in finding and trying to book someone with the correct skill set. The risk is loss time to find someone, but also, it affects the project's finishing date if the person cannot get book in a short space of time. If they cannot be booked within a week, for example, and the only time that they can get booked in within a month, the project will have to be put on pause.

Most employee risks can be avoided by doing a simple screen test or interview. When planning a project, all tasks that are needed to be completed are identified. By doing an interview or a screen test, it will ensure that only people with the right skill set are employed. Employee taking time out for reasons that are out of their control, such as illness or pregnancy, do not hinder or effect the project as much as someone that is incapable of completing a task due to lack of skills. Whereas the project is able to progress if someone is

absent due to being ill as there is a backup, the project will be put on pause if there is no room for progress.

Data Loss & Data Integrity

Many risks can be overcome very easily, with some loss, but at the end, the solution is simple. However, data loss would have a huge effect on a project. The possibility of data loss can happen in various ways. Data loss could happen due to the device, that has all the project's files, getting damaged due to overheating or other malfunction. The device could also get stolen or damaged along with other natural causes due to not being stored correctly and in a safe place.

Extra precautions must also be taken to ensure that the data on the devices is safe from being stolen or getting lost. This can happen by either the data to be overwritten, lost or be affected by a ransomware virus.

Most data loss and data integrity risks can be avoided by having at least 3 different backup methods, such as using an online cloud, external hard drive and regular hard drive, that are used at the end of the day to avoid any setbacks due to data or files being lost or overwritten. Ensuring that all devices have the latest virus detection software and update will protect the device from malware and other viruses.

University of Wales Trinity Saint David & Resources

The University of Wales Trinity Saint David is the project's team main place of meeting. There are potential risks when it comes to the team's meeting place.

There is a risk, even though it is a low probability, that the team's meeting place which is the university shuts down or goes under maintenance. It will slow down the project's progress because it is where the team meets up to share and express their ideas. It is also a good meeting point for the team as it is easily accessible and near for everyone.

The university is also essential to our group project due to most of the resources that are needed are available for the group to use. It also would affect the project's funding. Without the university resources, there would have to be more funding put towards the project's funding for the resources.

CODE OF PRACTICE

SUSTAINABILITY

Sustainability project management is the consideration of how the project influences environmental, economic and social aspects. If a project has any negative sort of impact, a discussion is needed on how to make the project more sustainable when it comes to environmental, economic and social aspects.

Environment Aspect –

Looking at the overall group project, the group has identified how the project will contribute to some minor environmental issues. Many gadgets, and the technology that is used today, consumes more resources and energy than needed, including some resources that are used for the group project as mentioned. Waste is also an issue since, when electronics break or become outdated, they are thrown out. Since these electronics contain materials that are harmful and even hazardous, they cause an impact on the environment.

Since we are aware as a group, there are steps that can be taken to address the impact issues our project has on the environment. By choosing to make the environment a concern and priority in our project, a good start is by selecting materials and resources that are energy and less hazardous to the environment, by disposing electrics safely and properly and recycling.

Social Aspect –

The most essential aspect of the group's project is data. Without data, the group's project is unable to function or exist. Therefore, it is important to make sure that the user's data is a priority and a main concern due to the huge repercussions that would have to be dealt with, for instance face legal actions for not adhering to the Data Protection Regulations (GDPR), if anything happens to the data or it's used incorrectly.

"The EU General Data Protection Regulation (GDPR) replaces the Data Protection Directive 95/46/EC and is designed to:

- *Harmonize data privacy laws across Europe,*
- *Protect and empower all EU citizens data privacy*
- *Reshape the way organizations across the region approach data privacy.*

GDPR reshapes the way in which sectors manage data, as well as redefines the roles for key leaders in businesses, from CIOs to CMOs. CIOs must ensure that they have watertight consent management processes in place, whilst CMOs require effective data rights management systems to ensure they don't lose their most valuable asset – data." [1]

ETHICAL AND LEGAL ISSUES

When creating a project, it is not only important to adhere to regulations but also, to professional code of conduct standards too. Since the group's project centres around IT, the British Computer Society (BCS), which are professional standards for practice in computing, will be followed. The standards that are found on the BCS code of conduct. The purpose of having a code of conduct is to establish and maintain a standard that is appropriate to a company and stakeholders.

British Computer Society (BCS) is broken into 5 parts.

- Public interest
- Duty to employers and clients
- Duty to the profession
- Professional competence and integrity

The main code of conduct standards, as listed above, is public interest which are, in the own words of British Computer Society:

"The Public Interest

1. *Members shall in their professional practice safeguard public health and safety and have regard to protection of the environment.*
2. *Members shall have due regard to the legitimate rights of third parties.*
3. *Members shall ensure that within their chosen fields they have knowledge and understanding of relevant legislation, regulations and standards and that they comply with such requirements.*
4. *Members shall in their professional practice have regard to basic human rights and shall avoid any actions that adversely affect such rights."* [2]

Now that there is news that United Kingdom is to leave the EU, there will lots of changes, especially when it comes to legislations. This mean companies are no longer requires to follow EU laws and regulations and in its place, will be go back to using UK law and regulations. *"The GDPR will become enforceable by law on 25 May 2018, when the UK will still be a member of the EU. This legislation will apply to all companies wishing to operate within the EU, wherever they operate from. So when we leave the EU, any UK companies that have part of their operations within the EU will have to continue abiding by this regulation."* (Allison, 2017) This will cause an issue as it would leave our groups project, because it deals with data, will make the product vulnerable, while new laws are processed and moulded.

REFERENCE

- [1] <https://eugdpr.org/>
- [2] <https://www.gov.uk/data-protection>
- [3] <https://www.computerweekly.com/feature/What-happens-to-data-protection-when-we-leave-the-EU>

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GRADEMARK REPORT

FINAL GRADE

GENERAL COMMENTS

Instructor

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