

ASSIGNMENT 3 FRONT SHEET

Qualification	BTEC Level 5 HND Diploma in Computing		
Unit number and title	Unit 14: Business Intelligence		
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Student declaration I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.			
		Student's signature	

Grading grid

P5	P6	M4	D4

☐ **Summative Feedback:**

☐ **Resubmission Feedback:**

Grade:

Assessor Signature:

Date:

IV Signature:

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P5 Discuss how business intelligence tools can contribute to effective decision-making.

Business Intelligent (BI) can be a tool to help us extract important events and data from a large amount of messy data and will make them useful information, it allows companies to make strategic decisions quickly and properly, improving operational efficiency and business productivity. However, this information is not for Quality Assurance purposes.

Business Intelligent (BI) can equip or prepare companies with a rich source of data that can help them achieve their business goals and objectives with timely and sound suggestions. It helps to interact with customers through voice calls, interactive chat, and can be carefully analyzed, carefully by the business information collection team to analyze aspects such as interests of customer and customer-related issues.

The customer reaction to promotions and online shopping experience can be studied through the network. From there help improve and upgrade many other issues.

Other advantages that companies can realize due to business intelligence are many other things such as:

- **Improve Business Productivity**

Businesses will likely need to move their important resources and workforce to a higher level for the purpose of boosting business productivity so that they will not need to divert their resources. Such business information collection (BI) wastes manpower. All Business Intelligent collection tasks will be handled by the BI team thereby helping to save costs, save time and effectively support business productivity improvement and they can focus on the Other areas are more important.



Figure 1 - Improve Productivity

The BI team can collect important information from customers and present it in a professional manner. They will ensure that the detailed reports provided to the companies will be presented in a manner that is fully documented, professional, concise and understandable.

Crucial Information Easily Accessed:

Business Intelligence will provide the information that has been collected and analyzed to create important information for companies.

This can improve the shortcomings and make the decision as quickly as possible, most accurate and this will create a competitive advantage in the business.

P6 Explore the legal issues involved in the secure exploitation of business intelligence tools.

For today's market, all business leaders are tending to reduce costs in items that do not need to be more labor intensive and increase efficiency, with these tactics, they will come up with better decision.

Opening a new era, a new step of smart business strategy has been adopted, it only focuses on data analysis. But it's not widely available so people are still afraid to use it.

- **Vulnerabilities in exploring BI Security:**

The basic security is that if you do not monitor and check the data, you will have many problems and damages with it. When we create sufficient quantities of data and produce them on a large scale, we need to have a good security system for them. Business Intelligence and data analysis are no longer related to 1 and 0, but sensitive data can still be attacked by hackers. If the analyzed data can be stolen by hackers, think of a time when we have the key to the entire process, where they can take over the entire system. Like a thief who broke into a house to steal something, he cheated the whole house from the price of the dealer.

- **Ensure the best Cloud Options:**

The first thing is that if you want to protect BI tools, you need to work and it requires strict security. Almost all organizations consider the cloud an important part of business analytics and strategy, and despite concerns about some security issues, they still follow it. I and the cloud options are cost-effective to use data, but cloud providers need to remove the proper method to see how they protect the data when something goes wrong. If we do an internal audit to consider the security aspects and if possible, to provide secondary security layer will be an additional advantage..

- **Encrypting Data:**

Understanding that hackers are more concerned with BI than anything else, we must

make sure the data is secure when clarified. Before being stored, the data must be encrypted or sent to others and doing so will cause hackers to search in many places. IBM's Z machine is something that can allow you to encrypt huge data quickly, nearly 12 billion transactions a day. If you accidentally ignore this, you will pay dearly for the violation.

If you can carry out our data storage segment and networks, it will be an important step as the data can be securely secured. If hackers can partially, we will not be able to move on to the next section because the access means are not available.

- **Authenticate Permission and access:**

BI is a powerful tool to meet the power and responsibility, so if the bad person gains the right, it can cause disaster. So it's always good to keep access to a few, even if you feel safe to share it with all employees or stakeholders. Make sure all shared folders are for monitoring or management purposes. Regularly check the role of each individual and all users will operate on a module or component of the BI.

- **Data Security and BI**

It seems that all business leaders think that business intelligence is about getting to know their business in depth and depth, but most don't anticipate that BI can be used in security. Business Intelligence will probably be used to analyze data that can detect network inconsistencies, network failures, technical issues and other issues. This is used as a problem solver in real time and you can track data as it enters the system and leaves your organization. So any ambiguous activity can be monitored and fixed on it. To cite, we could say violating Equachus, that principle cannot be traced and it has led to such a serious incident, causing the data and personal information of millions of customers to be violated.

References

<https://www.etchgs.com/blog/business-intelligence-helps-strategic-decision-making/>

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