Security in a world of technology

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**Education Methods**

**Introduction**

Training and education are the terms that are used interchangeably, taking into account varying approaches, purposes and outcomes that are associated with these methods. There are different education methods that can be used for teaching, such as instructor-led method, E-learning, just-in-tine training, guided learning, and blended learning. All these teaching methods play a central role in gaining knowledge.

**Discussion**

Instructor-led training method is a strategy in which knowledge is delivered by an instructor to groups of the audience who are learners and they are gaining knowledge with the help of the teacher (Hebda, Czar, and Mascara 2005). These learners are connected with the help of Audio Visual aids and technology. This method can be used in an organization to train the employees. Also, this method is driven by kinetic learner experience that requires both databases as well as hardware. E-learning is another method that can be used for teaching and it is used in combination with the training delivery methods. Content is provided with the help of technology (Hebda, Czar, and Mascara 2005). This method can be used in organizations to let the employees learn by going through different tutorials and other recorded sets of information. It is one of the most suitable and easy to use method.

Just-in-time learning is a training process that can help a learner to learn by being a part of training in practical terms (Hebda, Czar, and Mascara 2005). This training is accompanied by the use of a trainer who can supervise all the actions of the learner. This training can be used in an organization to supervise internees who are at work. Also, the learners would be supervised in terms of the learning abilities and the task completed. Blended learning is a combination of training delivery methods that can enhance learning goals. This technique uses web-based independent resources. This learning method can be used in an organization to address the student learning goals by using both online media as well as supervision of new hiring.

**Conclusion**

It is concluded that each method its own efficiency and credibility and each of the methods aim at enhancing subject knowledge of the one who is taught. Also, all these methods can be used in organizations.

**Reference**

Hebda, Toni, Patricia Czar, and Cynthia Mascara. 2005. *Handbook of Informatics for Nurses and Health Care Professionals*. Pearson Prentice Hall.

Protecting patient’s information

**Introduction**

With the passage of time, advancement in technology has also brought a huge threat to the information. It is found that healthcare continues to be one of the major targets for the hackers who steal and manipulate data. Ultimately, there are different mechanisms that are used by the healthcare system to overcome and mitigate these issues.

**Discussion**

Taking into account the method and techniques to protect data, different security mechanisms are used such as audit trails, authentication processes, having control and access guided by a central server, analysis of the external communication links as well as access tools. Some other methods are, developing system backup that can keep a record of the data. Also, it is added that there are different disaster recovery processes that can help to recover and back up the data that is recovered from different resources. There are different administrative and personal issues that arise, taking into account that these issues can be revised by using system self-assessment and the maintenance of the wariness of technological aspects.

It is highlighted that these techniques help to prevent the issues that can breach or manipulate the data. The level of access is also another aspect to consider, taking into account that security techniques have prohibited and minimized access to data (Mather and Cummings 2019). Also, there is a complete check and balance on the issues of data security so that data can be saved from any kind of threat. Handling and Disposal of Confidential Information is also a major aspect in terms of security concerns. In order to prevent the disposal of data, the central server system is used where audit trails are meant to ensure the safety and mitigation of breaching of data. Also, systematic authentication and personalized access is a major aspect to consider to overcome these issues (Mather and Cummings 2019).

**Conclusion**

Security threat is most dangerous and harmful aspect of the technological disasters in the present time, taking into account that different measures have been taken so far to address these issues. It is also added that the techniques are improved and upgraded over time so that threats can be minimized.

**Reference**

Mather, C. A., & Cummings, E. (2019). Developing and sustaining digital professionalism: a model for assessing readiness of healthcare environments and capability of nurses. *BMJ health & care informatics*, *26*(1), 1-5.

**Education to staff on phishing and spam emails**

**Introduction**

Virtual crimes are one of the major threats that need to be addressed. It is observed that with a major shift in technology, virtual crimes such as spam and phishing has caused a lot of mess. In order to teach the staff on virtual crimes, different teaching methods can be used.

**Discussion**

Phishing and spam are one of the major virtual crimes. Phishing is a fraudulent practice that have a specified target while spam has a broad target. Spam is more like unnecessary advertisements that can be annoying. In order to teach staff, different methods can be used, such as self-guided learning. It is one of the techniques that can help learners know how to get rid of spams and analyze phishing. This method can be used to teach by using training manuals, it can be evaluated by using tests in the form of quizzes and practice trials. Instructor-led training is another major method that can be used because it paves the way for kinetic learner experience (Hebda, Czar, and Mascara 2005). This method is led by using different audiovisual aids and it can be evaluated in the form of trails and practices.

E-learning is another teaching method that can be used to teach about spam and phishing emails. This method can be evaluated by using different techniques such as the quiz and online assessments. Blended learning is also a major techniques that can be used to teach students about spam and phishing because it will include different methods of teaching (Hebda, Czar, and Mascara 2005). This method or student learning can be evaluated by using different assessments such as trial quizzes and the learnability of the students in the form of presentations.

**Conclusion**

Taking into account the task of teaching staff about virtual crime, above mentioned teaching methods can be used. These methods can help the students get a deep insight into what is taught to them, also these methods can help to assess the staff’s learnability.

**Reference**

Hebda, T., Hunter, K., & Czar, P. (2018) 'Handbook of Informatics for nurses and Healthcare Professionals' 6th ed.'