Information Technology Infrastructure

Name:

Institution:

Date:

**Definition of Information Technology Infrastructure and the significance of selecting sound IT infrastructure for Organizations**

IT infrastructure is all the components that in one way or another play a part in IT operations which can be used in internal business processes or in business solutions. It consists of software, hardware, network and human users. It is a very important managerial decision to select hardware and software for an organization because it, play key roles in the quality of the services an organization provides and increases the income and enhances strategic planning. When choosing IT infrastructure one should consider; current and future requirements of the organization, the right IT products, the IT credentials, the privacy policies for the software and hardware and the cost of products (Hashem, Yaqoob, Anuar, Mokhtar, Gani & Khan, 2015).

**Why Organizations should use Software service providers as service providers**

An organization should use software service providers for their software needs for easy management of the organization. To make such a decision the main factor to consider is the size of the organization and the services provided by the organization.

**Pros and cons of cloud computing**

Cloud computing is beneficial to a business because it reduces the cost of IT also it allows flexibility as the needs of the business keeps changing. Cloud computing allows continuation of business even in times of natural disasters. It also makes it easier to access to automatic system updates. However cloud computing has a major disadvantage which is stoppage. This is serious interruptions that can occur at any time because of whichever reason.

**Roles of Business Intelligence**

Business intelligence is needed in a business especially in technology to be able to translate data which is stored in servers which helps in planning of the future development of the business (Ajamieh, Benitez, Braojos & Gelhard, 2016).

**Bad data & bad Management**

There is no bad data in the Organization. The problem is bad management. Data is just collected by an individual for some analysis. How that data is understood and analyzed is the problem which is the management. In order to come up with data there is always some data management which will determine the end results (Robert, 2015).

**Design of the database**

In designing a database management system and design end users should be greatly involve in assessing the needs that you are trying to solve which aids in eradicating any kind of misapprehension about the purpose of the application.

**Disadvantages of not having an information policy in Organization**

Lack of information policy in an organization allows everyone in the organization to have their own sort of truth about procedures that are carried out in the company which obstructs growth of the organization. It also causes purchasing disasters where people make orders of items without any approval and in return they expect to be refunded or they will go without an item that can help them in their job efficiency (Hashem, Yaqoob, Anuar, Mokhtar, Gani & Khan, 2015).

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IT Infrastructure allows the Organization