USE OF COMPUTERS AND IT IN MANAGEMENT CONTROL

USES OF COMPUTER IN IN MANAGEMENT

Computers perform many types of tasks, store retrieve, and process information. A computer can create documents, send/receive emails, browse information online, and play video games. In this article, we will learn how computers can help us in business.

Computer in Management

Computers have become a part of modern Business tasks, transforming how organizations perform, interact, and make decisions. Computers have made multiple changes in the business industries. Computers play an important role in business enhancing efficiency and enabling decision-making.

Nowadays without computers, we can't imagine any business. Because Computer is a very important part of business for handling all type of records of all data which are very crucial for any business. Computer versatility drives innovation and transforms how businesses perform and succeed in today's digital world.

Features of Computer

Before discussing the uses of computer we should know about feature of computer.

Speed: A computer is a time-saving device. It operate many calculations and tasks in few seconds. The speed of a computer is calculate in terms of GigaHertz and MegaHertz.

Accuracy: A task performed by a computer is accurate. The chances of having errors are minimum. The errors generate in a computer by giving wrong data.

Memory: A computer can store so many records as per require and these informations can easily accessible. Computer memory is measured in terms of Bytes, Kilobytes (KB), Megabytes (MB), etc.

Versatility: A computer can perform multiple tasks at the same time, this is called versatility. For example, we can create a project using PowerPoint while listening to music.

Automation: Nowadays world is moving toward AI (Artificial Intelligence). Once instructions are given, a computer can execute automatically.

Reliability: A computer is reliable. The output results never different for the same input.

Uses of Computer in Management

Below are some uses or application of computer in business.

Inventory Management: Computers helps in tracking inventory levels and automating reordering processes. It also helps in monitoring stock movement. This assist in overstocking while optimizing supply chain efficiency.

E-commerce: Computers helps in online selling and purchasing through e-commerce platforms. Businesses can set up online stores, process orders, and handle payment transactions can be done by computer.

Business Analytics: Computers are used to analyze data and perform tasks from various sources. computer can help in business intelligence tools. Making decisions by visualizing and interpreting data trends can be done by computer..

Human Resources Management: Computers can help in storing employee datas, recruitment, calculate performance, training, and payroll processing.

Data Management and Storage: Through computer databases and file management systems help organize and get all information correctly. Computers are used manage large numbers of business data, save customer information, financial records, inventory data, and more.

Communication: Computers help business to communicate the outside organization. Emails, video conferencing, and collaboration sites enable communication among employees, team members, and clients.

Accounting and Financial Management: Computers are necessary for accounting tasks, like financial analysis, budgeting, and payroll management. Accounting software helps in financial operations and store accurate record safely.

Sales and Marketing: Computers assist in customer relationship management (CRM) systems, tracking sales record, and marketing. computers help businesses manage leads and handel customer interactions.

Data Analysis and Reporting: Computers analyze business data to create reports and guide strategic decisions. Data visualization tools through computer make it easier to understand information.

Remote Work and Telecommuting: Computers helps in remote work by providing employees access to company applications, and data from any remote locations.

Security and Cybersecurity: Computers helps in many security measures like firewalls, encryption, and more to secure business data from cyber attacks.

USES OF IT IN MANAGEMENT CONTROLS

IT management controls comprise of important tasks and activities that ensure your business objectives are met in a safe and secure digital environment. These can be run by people or by systems, and commonly involve the confidentiality, integrity, and availability of your data.

IT management controls fall into two categories:

IT General Controls – Foundational controls that focus on reliability – including making sure that systems are operating effectively and providing accurate, complete and valid output.

IT Application Controls – Fully-automated controls that ensure comprehensive and accurate data processing, as well as the secure transmission of data between applications.

These controls work in tandem to ensure your business processes and IT functions runs smoothly and effectively.

Reducing Cyber Risk

IT management controls have come into particular focus recently due to the exponential rise in data management and its importance.

With information assets exposed to an increasing number of cyber risks, the correct IT management controls can reduce these threats to a minimum.

"In today's highly connected digital environment, it is important to review the various risk factors that are associated with cyber security and ensure that these factors are mitigated through regular and continuous assessment," said Network Alliance CEO Raymond Wright.

"Many small to medium sized corporate enterprises are under the impression that the top 40 Information Technology management controls are not applicable to the nature of their business."

"However, contrary to this assumption, all sized businesses in this life cycle are equally susceptible to the numerous cyber risk factors that exist."

If you do not have the correct IT management controls in place, threats that become reality will significantly harm your business and its stakeholder value.

Additionally, these threats can be reduced to a point where even if they should come to fruition, they would not have a significant consequence on your business and its operations.

“Another important consideration is end user awareness training, which is aimed at providing the relevant employees and management teams with knowledge and skills needed to identify and assess the threats that face their business on a day-to-day basis,” said Wright.

It is therefore crucial that your business’s leadership team develops a comprehensive overview of its digital asset and threat landscape and that it implements the correct IT management and information and cyber security related controls in order to become cyber resilient.

As a reference point, the top 40 IT management controls are found within the following categories:

- Security Policy Management
- Information Management
- Security Risk Management
- Vulnerability and Patch Management
- BC and DR
- Physical Security
- Workforce Security
- Access Management
- Network Security
- System Security
- Cryptographic Management
- Secure Systems and Software
- Change and Release Management
- Incident Management

- Logging and Even Monitoring
- Mobile Media and Device Management
- Vendor Management
- Acceptable Use
- Compliance

Network Alliance – Information Technology Redefined

Network Alliance is an Information and Communications Technology service provider that understands the importance of assessing and managing the various IT and information security management controls to mitigate cyber security threats, which is why the company has built valuable professional partnerships and leverages cutting-edge technology to tailor comprehensive solutions according to your specific needs.

“Through our strong focus towards leading security practices, we can assist businesses with consistently assessing, managing and monitoring their vulnerabilities to cyber threats and risks measured against an international standard of controls on a continuous basis,” said Wright.

Network Alliance offers these solutions across a range of areas, including data centre hosting, voice and connectivity, cloud services, and cyber security – and also offers customisable and scalable managed services.

These solutions are designed to reduce the impact of threats on your organisation while enhancing your competitiveness, effectiveness, and profitability.