



# INDUSTRY TALK

## 2.0

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# *WHAT IS IT?*

- Information technology (IT) is the use of any computers, storage, networking and other physical devices, infrastructure and processes to create, process, store, secure and exchange all forms of electronic data. Typically, IT is used in the context of enterprise operations as opposed to personal or entertainment technologies. The commercial use of IT encompasses both computer technology and telephony.

# *IMPORTANCE OF IT MANAGEMENT*

- Effective IT management makes the organization in order to get the optimum benefit from all the resources. It also helps in gaining maximum profit with the limited and optimum use of input resources. On the other side, it helps in organizing the staff and utilize them in a proper way. IT management is the discipline whereby all of the information technology resources of a firm are managed in accordance with its needs and priorities. These resources may include tangible investments like computer hardware, software, data, networks and data centre facilities, as well as the staff who are hired to maintain them.
- Managing this responsibility within a company entails many of the basic management functions, like budgeting, staffing, change management, and organizing and controlling, along with other aspects that are unique to technology, like software design, network planning, tech support. IT managers have a lot in common with project managers but their main difference is one of focus: an IT manager is responsible and accountable for an ongoing program of IT services while the project manager's responsibility and accountability are both limited to a project with a clear start and end date.
- Most IT management programs are designed to educate and develop managers who can effectively manage the planning, design, selection, implementation, use, and administration of emerging and converging information and communications technologies. The program curriculum provides students with the technical knowledge and management knowledge and skills needed to effectively integrate people, information and communication technologies, and business processes in support of organizational strategic goals
- The importance of IT management is to understand managing data. There are also difficulties IT managers must overcome. The amount of data is increasing and most of the data is collected by different departments and separated between organizations. This implies that they may not be using the same method or procedure. Data security, quality and integrity is the most informant in receiving information. The sources have an impact also on the sources obtained; they may be internal or external. When the information structures do not transfer properly with each other, that can result in unreliable data. An important part to understand in an IT management is Data Governance. It is an approach to managing information across the entire organization or company. Many will also need to know master data management, which is a process that spans all of the companies processes and business. Without a structure your company will not be able to function properly. Applying these processes in Data bases, it is your job to be able to communicate with other departments systems and develop precise communication and holding your organization accountable of certain data issues. Your design and programs helps increase design and technical knowledge throughout the business

# CAREER IN IT

- Almost all IT jobs depend on strong technical knowledge. But each has a different emphasis, whether the job centres on coding, managing hardware, applying software, data science or managing systems or people. As a Business Analyst. Business analysts examine an organisation (or part of a business) to determine how to better achieve goals. Almost always, there's a strong information technology component. That's because IT is integral to modern business operations. For example, analysts may scope out the potential effects of changing computer software. Analysts need to be adaptable because job requirements vary from company to company. To become a business analyst, you'll probably need to obtain an entry-level position in the field and build a career from there. Business education in addition to advanced IT training confers an advantage. Computer Service Technician. Computer service technicians (also referred to as computer repair technicians) repair computer hardware and software. Some of the common tasks are replacing defective components, removing spyware and viruses, disassembling hardware, and running diagnostic tests. If a job in this field is your goal, start getting as much experience as you can in assembling and repairing computers. CompTIA A+ certification is a helpful qualification. Also consider completing a program at a tech school or college. Cyber security specialists protect the security of computer systems and networks. They need broad technical knowledge since security is an important consideration across most parts of a modern computer system. An IT-related degree is normally required for cyber security specialist jobs. Experience is critical for all but graduate or assistant positions, and certifications may give you a strong advantage over other applicants. Cyber security specialists enjoy an excellent average salary. Demonstrated expertise in a difficult field can place you in a commanding career position.

# *REFLECTION*

**The motivation that we gained from the industrial talk is that for the betterment of the world and the humans, we must work on new innovations. We should never stop giving efforts. Because all the great innovations were not appreciated in the first place. After many unsuccessful attempts, they could bring revolutionary change in the world with their innovation.**