

## **TYPES AND EXAMPLES OF TECHNOLOGY:**

We use technology to accomplish various tasks, so technology comes in different types: information technology, communication technology, bio-related and agriculture technology, medical, environmental, manufacturing and construction, transportation, energy and power, nanotechnology.

- **Information Technology:** Information Technology is a set of hardware and software tools used to store information. Information technology tools help in providing the right people with the right information at the right time. Knowledge workers in organization use information technology to complete various tasks and these can include; transferring of information which facilitates decision making within an organization, improve customer service, and so much more. In this information age, it is very important to manage information systems to ensure accuracy and efficiency

- **Communication Technology:** This is a system that uses technical means to transmit information or data from one place to another or from one person to another. Communication is used for many purposes; it is used to convey ideas, exchange information and express emotions. Humans use communication technology tools like phones, computers, emails, fax, text messaging tools to stay in touch with friends and family, then, businesses use communication technology tools to facilitate the flow of information in a workplace, to help in decision making, to serve customers needs and requests, to promote new products or services to targeted consumers and so much more.

- **Construction Technology:** This is the study of advanced methods and equipments which can be used to build structures. Construction builds two types of structures. These include buildings and heavy engineering structures. Construction uses various technological actions to erect a structure on the site where it will be. The use of construction technological tools like heavy tractors to prepare land where the construction will be, computer design software to create designs for structures on computers and in 3D format, using various construction technologies to enclose structures and install utilities has helped in advancing both residential buildings and commercial buildings today.

- **Medical Technology:** This is the type of technology which is used to extend and improve human life. Medical technology reduces patient's pain, and injury. Developed countries have benefited from the use of medical technology in their health care systems and this explains the reason why people in developed countries live longer than people in developing countries. Medical technology is used to diagnose infections, treat diseases and to make research on diseases affecting humans.

- **Entertainment Technology:** This is a process of using various technological components to create an entertainment experience. Since entertainment is too broad, every one gets entertained in their own way. Technology is used to build theatres, it is used to create video games, to develop musical systems and so much more. Entertainment technology includes things like video, sound, automation. Animations, scenery fabrication, computer simulations. Interactive environments and so much more.

- **Environmental technology:** This is the application of one or more of environmental science, green chemistry, environmental monitoring and electronic devices to monitor, model and conserve the natural environment and resources, and to curb the negative impacts of human involvement. The term is also used to describe sustainable energy generation technologies such as photovoltaics, wind turbines, bioreactors etc.