

Building Installation Skills At Engausa

Even with the presence of autonomous machines, we need humans empowered with programming skills to install and control machines. Under building installation skills, ENGAUSA TECH. HUB deems it fit to empower both older and younger generations with the following skills.

- I. **CLOSED-CIRCUIT TELEVISION SYSTEM:** Closed-circuit Television System also known as (CCTV) is a fast-growing technology that offers self-dependent job security. This television system provides all-around monitoring for effective surveillance and security purposes. The whole system is based on the accurate positioning of cameras and distance observation of these cameras' input on monitors remotely or within a specific location.



II. COMPUTER NETWORKING: Another useful tool in this digital age is computer networking. Today, computers have become an integral part of our work and business environments. Learning the art of arranging computers within a network range will not only put food on your table but also opens a door for digital curiosity.

A network of computers is a system where more than one computer is interconnected to each other to share and disseminate information and resources.



III. INTERCOM: Intercom provides the safest and reliable communication network. Corporate organizations, rather than use service providers, are judiciously utilizing this technology to save communication costs. The Intercom is a two-way communication electronic device that has in-built circuitry technology for uninterrupted disseminating and receiving audio and/or video transmissions.



- IV. SOLAR POWER SYSTEM:** Since electricity is no longer available, the solar power system is the most sought-after installation skill in Nigeria. The solar power system works on the principle of five engines that make up the system. These are Solar Panels, Charge Controller, Battery, Inverter, and Electric Wires. The sunlight is absorbed by the Solar panels and converted to Direct Current (DC) power and this process is known as the Photovoltaic (PV) Effect. The DC power will then pass through the Charge Controller which acts as a regulating medium before it will eventually be fed into the Battery which is meant to store energy and finally the Inverter which converts DC power to AC power. The AC power, suitable for home use, is utilized to run home appliances. Depending on the system architecture, excess solar energy can either be conveyed to the electricity grids for credits or stored in a storage system for official use.



- V. ELECTRIC FENCING:** Electric fencing provides security protection against intruders. This electric-driven fence wire is a barrier, kind of, that uses electric shocks to deter living things (Animals or humans) from having unsolicited or unofficial access to a particular boundary or environment. The amount of voltage used causes a great shock within the body of an intruder. Nearly all electric fences are used in the agricultural sector and to some extent animal control. Moreover, an electric fence is employed in securing military zones, prisons, and governmental offices against imminent or potential threats.



VI. ACCESS CONTROL AND TIME ATTENDANCE: Access control as the name implies is a process of restricting random access by unauthorized persons to a place of work, schools, etc. In the fields of physical security, communication and information security access control remains very important and therefore inevitable. The act of accessing a certain resource illegally can be prevented using access control. Time attendance is a digital way of registering employees or students in the most efficient, reliable, and stress-free way. Many schools and corporate organizations have employed this technology to speed up operations and for effective documentation of attendees, employees, or students.

At ENGAUSA, we have professionals that will practically take you on a journey of learning from the beginner stage to an expert level. So far, we have imparted training youths with the aforementioned skills through hands-on training in our well-established resource center. Many of our students have established their business by providing professional services in CCTV, Solar Installation and Maintenance, Intercom, Electric Fencing, Computer Networking, and Access Control.

