An electrician is a trades persons specializing in electrical wiring of buildings, stationery machines and related equipment’s. They can either be licensed or skilled crafts men .They provide three main services that is installation, maintenance and repair of electrical systems and other devices .

**They are four main categories of electrician specialization;** First, residential electricians install, maintain and upgrade electrical equipment’s in apartments. They may also install outdoor landscape lightning. Secondly, master electricians are highly skilled electricians who generally work on a supervisor role or own contract businesses. Thirdly, journeymen electricians work with; mechanical connections, power supplies, lightning installation and security systems. Lastly, commercial electricians work on; construction sites, in commercial building and on mechanical electric system.

**Electrical installation**: Electrical installation is closely associated with other parts of construction industry and with the many products that support it,normally for commercial purposes. The electrician works internally , including the homes of customers and on small and major projects . He or she will plan and design ,select and install, commission ,test ,report, maintain , find a fault and repair the systems to a high standard .From working to provide a safe and reliable electrical installation and maintenance services ,in accordance with relevant standards ,through to diagnosing malfunctions, programming and commissioning home and building automation systems ,concentration ,precision ,accuracy and attention to detail every step in the process matters and mistakes are largely irreversible, costly and potentially life threatening. For talented electricians there are many opportunities in commercial and international opportunities.
**Electrical maintenance**: It means the care and checklist of electrical equipment's to avoid any breakdown or fault. It is a field where an electrical engineer will be responsible to take care of electrical related problems in a plant. Electrical maintenance is a division where the frequent checking of the ups, batteries,and generator set and the panel etc. The main purpose of this is to have per- information regarding the faults and to prevent it from breakdown. Includes ;tightening all electrical connections and upgrading the power rating of safety switches  .In addition, it assists to sole the unexpected problems
**Electrical repair:** The ability to repair basic house wiring in your home is a skill you can require for an emergency. Electrical repair in a residential house is complicated and can be dangerous. Electricians use lock out tag out procedures to make sure circuits are not inadvertently turned on while they are being worked on. It is much safer to turn off the circuit at the panel before working on the device. Electrician may also need to trouble shoot to find the source of the problem . It can be done on various items like car, door knob, circuits,doors etc. Electrical repair helps to restore the state of the equipment’s and also prolong their use and also lifespan.

These services are supposed to be conducted by a trained electrician. Also one can obtain basic electrical repair skills, in case breakdown occurs at home. You should avoid being contact with water when conducting repair.