

## Intern - Planning & Engineering

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JTL-PE-I-P&E-05-20 | Internship | Internship | Posted on June 8th, 2022 | Expires on May 13th, 2020

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### Job Purpose:

The Intern Technician shall be responsible for survey, design, engineering and maintenance of Core and Access Network Systems (plant and core) that facilitate the connection of customers to the JTL network. This includes customer edge equipment.

### Job Duties / Responsibilities:

- installation of Network equipment in core locations
- configuration and staging of core network and access network equipment
- Establishes communications systems by designing, operating, and maintaining data telecommunications network circuits and equipment.
- assessing installation sites as per an installation diagram and design.
- Plans and designs network installations for voice and data networks by preparing customer reference orders, plans, manuals, and technical specifications; and preparing BoQs for equipment, supplies, materials, and tools;
- assessing installation sites; and preparing an installation diagram and designs.
- conducts testing of recovered GPON CPEs, including MDUs, ONTs for re-entry as stock if functional.
- Documents the network by labeling fibre and routing equipment and cables and recording configuration diagrams and specifications and ports
- Maintains network availability when necessary by troubleshooting and repairing outages on core network equipment, testing network back-up procedures, and updating documentation.
- Maintains customer rapport by listening to and resolving concerns and answering questions.
- Maintains safe work environment by following codes, standards, and legal regulations.
- Updates job knowledge by participating in educational opportunities and reading technical publications.
- Enhances department and organization reputation by accepting ownership for accomplishing new and different requests and exploring opportunities to add value to job accomplishments.
- inspect GPON ODN facilities to identify building and audit connection needs; complete inspection and preventive maintenance reports, recommend, prioritize, and perform corrective maintenance as required.
- read and interpret sketches, diagrams, and blueprints.

- develop test parameters for testing of compliance to standards of the facilities.
  - develop and maintain kpi's for standards to be followed in FTTx deployments
  - record and track KPI's for all job functional requirements
  - updating and keeping records of the network connections to the GPON ODN
  - managing telecommunications customer and network designs, projects and assignments using approved project planning skills and methods(ITIL and PRINCE2)
  - any other responsibilities as may be assigned to you from time to time.
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### **Qualifications:**

- Electrical and Electronics engineering, Light Option
  - Telecommunications and Information engineering,
  - Computer Science Graduate - Networking Option
  - Ability to read and interpret sketches, drawings, diagrams and blueprints.
  - Good analytical and design and planning skills.
  - Technical aptitude in fibre and telecommunications networking and structured infrastructure.
  - Self awareness and assertiveness.
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Location: Nairobi

Department: Planning & Engineering

Job Type: internship