Offer: Professional Internship (1)

Position: Electrical Power System Intern (1)

Host Company Name: MunyaxEco

Address:

- Quiet House, Behind Gratia House, KN 3, Africa Union Road - Kagina Cell, Kicukiro Sector, Kigali-Rwanda.
- Snow Hotel, NR 4 RD 8 Musanze Street · Musanze District, Muhoza Sector, North Province · Rwanda.

Duration: 6 months

Professional Internship Start Date: November 4, 2024

Monthly Stipend given to professional intern: 100,000 Frw covered by EPD

Priority: Fresh Graduates: (Not more than 2 years sharp after graduation)

Note: Female are encouraged to apply

About the Host Company: Visit their website: https://ibosmunyaxeco.odoo.com/

Posision Overview:

We are seeking a motivated Electrical Engineering Intern with a focus on power systems to support the design, development, and integration of electrical systems for solar PV plants. This role involves conducting site assessments, participating in installation and commissioning, performing power systems analysis, and providing ongoing technical support, all while ensuring compliance with industry standards and safety regulations. The ideal candidate will possess strong analytical skills and a solid understanding of both renewable and conventional power generation methods, as well as proficiency in relevant simulation tools.

Key responsibilities:

- Design and develop electrical systems for solar PV plants, including creating single-line diagrams, and electrical layouts, and ensuring smooth system integration.
- Participate in the installation, testing, and commissioning of solar PV systems, ensuring high standards of quality and safety.
- Conduct site assessments and evaluations to ensure the system design aligns with project goals and site-specific conditions.
- Provide technical support, troubleshooting, and ongoing maintenance of systems during the operational phase.
- Ensure that all electrical systems comply with relevant standards and safety regulations.

- Perform power systems analysis, including load forecasting, fault analysis, and system optimization.

Skills & Qualifications:

- Master's degree in Electrical Power Systems or a related field.
- Proficiency in power systems design, analysis, and simulation tools such as ETAP, PowerWorld, and MATLAB/Simulink.
- Strong understanding of power generation methods, including both renewable (solar, wind, hydro) and conventional (fossil fuels, nuclear) systems.
- Comprehensive knowledge of electrical grids and distribution networks.
- Familiarity with protection and control systems for power distribution.
- Experience working with high-voltage (HV) and medium-voltage (MV) systems.
- Understanding and application of industry standards and regulations (IEEE, IEC, NEC).

Additional Skills:

- Flexibility and willingness to travel to project sites as needed.
- Strong project management skills, with the ability to handle multiple projects concurrently.
- Excellent verbal and written communication skills for preparing technical reports and presentations.
- Strong analytical and problem-solving skills.

Benefits:

- Hands-on experience in cutting-edge renewable energy projects.
- Mentorship from experienced professionals in engineering field.
- Opportunities for professional development and networking.
- Work on impactful projects focused on sustainability and renewable energy.
- Potential for long-term career opportunities within the company upon successful completion of the internship. (e.g: Job, etc)

Application:

- **Application Deadline:** October 22, 2024
- **Apply Here**

Candidate selection & date:

- Shortlisted : October 23-24, 2024.
- Interview call & confirmation email: October 25, 2024
- Interview Period: 28th-31st October, 2024
- Onboarding: November 4, 2024.