

Intern for enhancing technological capabilities of youth in Sierra Leone

5 months from late February/ early March 2023



Access to quality education is a major challenge for the youth in Sierra Leone. To meet this challenge, EWB-DK's local partner organization SEND-SL has established a STEM school for young women in the Kenema district. In this connection, EWB-DK and SEND-SL wants to create and run a makerspace for youth (primarily young women). The project aims at providing the youth with STEM competencies, so that they will have skills to help develop sustainable livelihood opportunities.

For that work, EWB-DK are looking for an intern who can carry out the following tasks:

- In collaboration with SEND-SL and EWB-DK you will support setting up and running STEM teaching and makerspace infrastructure (PCs, 3D printers, local networks, local cloud systems etc.)
- You will support facilitating makerspace teaching, knowledge sharing, and experimenting etc. within 3d printing, simple electronics, and microcontroller (Microbits, Arduino etc.)
- You will support in teaching basic programming theory and data management skills to the local staff and students.
- You will work together with experts in EWB-DK project groups and local partners performing project related local installation-, service- and support tasks in nearby villages concerning Internet of Things equipment, data access for local stakeholders etc.
- In collaboration with EWB-DK's and the staff you will be assisting evaluations of the project
- Attend stakeholder meetings, workshops etc.
- Provide inputs to progress reports in line with the requirements of EWB-DK and partners.
- Perform other related duties as required.

Approximately three of the months, you will be based in Sierra Leone, participating in the pilot project of creating a makerspace. Additionally, you will support on other EWB-DK projects, together with the local partners in nearby villages.

Qualifications:

- Engineering or technical education (at least B. Sc) with interest and some practical experience in programming, electronics, and mechanics.
- Familiar with at least one programming language such as Python, Java, C, C++).
- Interest in development cooperation and understanding of working with other cultures.
- Fluent in English.

- Strong people skills.
- Previous work experience in developing countries is an advantage.
- Member of EWB-DK at the beginning of the internship (but not a requirement when submitting the application) and interested in contributing with the gained experience in EWB-DK after the internship.
- Work independently, curious, and embrace new challenges.

Framework for the internship

EWB-DK covers costs for travel and insurance and provides per per diem to cover board and lodging. The internship will consist of preparation in Denmark and three months with SEND-Sierra Leone from late February/ early March 2023. As an intern, you will be posted under the guidelines for internships at EWB-DK: <https://iug.dk/praktik>

How to apply

If you're interested, give us your information in this questionnaire:

<https://forms.gle/1WZPmdVZq7weWAscA> and submit your application, CV, and other relevant documentation in one document (in English) to praktik@iug.dk as soon as possible and no later than December 15th, 2022, at 12 AM. In the subject field you write "Internship Makerspace".

Questions?

You can read more about Engineers Without Borders Denmark on our website www.iug.dk.

Questions regarding the position, project and your tasks should be directed to Secretary General Dorte Lindegaard Madsen on dlim@iug.dk or tel. +45 7027 4006

About Engineers Without Borders-Denmark

IUG is a technical-humanitarian organization of volunteer members with technical skills. We collaborate with local and international aid organizations to improve the living conditions of needy and vulnerable people in poor countries. We ensure local anchoring and lasting solutions, and our efforts support several the UN's Global Goals for sustainable development.

Engineers Without Borders Denmark wants to promote equality and diversity. We therefore encourage all qualified candidates to apply for the position - regardless of gender, age, ethnic background, religion, disability, or sexual orientation.