



Roles Description – Intern Engineer October 2024

ABOUT FIELD READY

Field Ready is a non-governmental organisation that is dedicated to bringing innovation to international disaster relief. Our vision is to meet humanitarian need by transforming logistics through technology, innovative design and engaging people in new ways. We make useful items to solve problems locally in various sectors such as health, water and sanitation. We do this by using the latest technology including 3D printers and laser cutters as well as traditional manufacturing machines. We pass on these skills to others through training and pioneering innovative approaches to the toughest challenges. The impact of this is dramatically improved efficiency in aid delivery by quickly meeting needs and cutting procurement costs. We expect our approach to be truly effective and groundbreaking.

POSITION SUMMARY

The Technical Intern – Fiji will provide technical guidance and input to implement the Fiji component of a program focused on disaster risk reduction in the Pacific region. The role of Engineer is key to achieving our aims in the region. The post holder will be responsible for supporting all aspects of technology management and technological capacity building, working with all technical staff in a location. This is a very special opportunity for someone who wants to manage a unique approach combining the latest innovations with traditional methods to improve the delivery of aid.

The post holder reports to the Field Engineers and is expected to help make project decisions. The Engineer will work with a team of local technical staff to support the technical development, field deployments and trainings conducted in the span of the internship period. He/she works closely with local stakeholders to create new solutions to well-understood local problems. In addition, the Engineer will be required to seek out and contribute to the development of further projects to ensure the growth of the programme.

The primary roles of the Eng. Interns are key to a quicker turnaround time in executing tasks assigned to the technical team as it redistributes the workload on the Engineers, therefore achieving our aim in the region. The Interns will be required to design, fabricate, document and test product of interest for the Field Ready. Furthermore, the Eng. Interns will also be required to conduct basic administrative duties for the technical team when the need arises.

The position holder will be based in Suva, Fiji and will undertake travel within Fiji as required. We highly encourage other Pacific island nationalities to apply especially those from Vanuatu, Samoa and Solomon Islands. And female applicants are highly encouraged.

RESPONSIBILITIES

The following are illustrative responsibilities that are expected to evolve over time and depend on the organizational and programmatic needs. The responsibilities for this task include but are not limited to:

- Assists the Tech Team in the development and implementation of clear, complete, and accurate working plans and detail drawings from rough or detailed sketches or notes for engineering or manufacturing purposes, according to specified dimensions using computer and specially designed software.
- Performs basic product design modifications in consultation with the Engineers.
- Develops basic detail and assembly drawings for products and equipment.
- Performs engineering change processes as necessary to support existing products.
- Creates 3-D models from 2-D drawings (Proficient in Solidworks is highly welcomed)
- Generates, scan and prints 3D designed prototypes .
- Performs mechanical design calculations.
- Tests prototypes and standard products and write reports to document the results.
- Categorizes a wide arrangement of existing parts.
- Assists in the processes involved to prototype the products designed by the Tech Team.
- Provides support in completing the product documentation process of each item within Field Ready's standards.
- Perform other tasks related to the Tech Team's line of work if necessary.

QUALIFICATIONS AND CHARACTERISTICS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions

- Ability to work with multiple functions to coordinate the flow of information.
- Strong verbal and written communication skills.
- Ability to communicate engineering requirements.
- Accuracy, thoroughness and timeliness.
- Ability to provide support and assistance to co-workers as appropriate.
- Able to use the basic Microsoft Office Tools.
- Ability to work in the Field or other Pacific Islands Countries if needed.
- Ability to conduct workshops in communities.

EDUCATION AND EXPERIENCE

We highly welcome students who are taking up Engineering Degree courses, Technical Vocational Courses in Wood and Metal Fabrication and those in the Product Design field. Large interest in Engineering Products and using tools and machines to do fabrication are highly welcomed.

How to Apply:

Applications will be accepted until **November 22nd** (5pm, Fiji time).

Interested candidates should submit a cover letter and CV in English (in PDF Format) to the following email address: hr.pacific@fieldready.org

You may also send your Engineering Design Portfolio if available.

Please state **“Application – Intern Engineer”** in the subject line of the email.