

SAFETY CHAMPIONS IN ENGINEERING EDUCATION (SCEE) PROJECT

SCEE GRADUATE ENGINEERS INTERNSHIP PROGRAM - 2023

1. Background

The construction industry is crucial to society, the economy and the environment as a whole. As industrialization advances in Kenya towards attaining SDG9, the level of investment in infrastructure has continued to rise correspondingly while the scale of construction projects has also continued to expand. This has resulted in a growing complexity in the working conditions at construction sites thereby increasing the requirements for safety.

To ensure safety and sustainability at all phases of engineering construction projects (design, planning, installation, operation, and maintenance), a well-trained and innovative engineering work force with relevant skills and adequate safety knowledge is needed. Therefore, this internship training program aims to support upskilling of fresh engineering graduates to become safety leaders in their work places. This would ultimately contribute to lowering the rate of fatalities related to accidents and injuries in the construction sector. The duration of internship shall be 8 weeks.

2. Program Objective

The objective of this internship program is to equip the trainees with knowledge, skills, attitudes and habits to enable them to carry out their duties in the construction industry in a safe manner to prevent occurrences of unsafe operations and accidents in construction projects and thus protect construction workers, users, the public and the environment.

3. Training Program

The internship training program will be structured to cover the following aspects:

- Safety and health management on construction sites
- Construction hazards and the controls
- Site reporting and record keeping.
- Quality criteria for safety of construction material
- Safe storage and handling of material on construction sites
- Proper handling of construction plant and machinery
- Emergency procedures and first aid
- Environmental sustainability in construction projects.
- Safety culture – active and reactive

4. Eligibility

To be considered for selection to participate in the internship program, the applicant must meet the following criteria:

- B. Eng. in Civil/ Construction/Building/Mechanical Engineering. Diploma graduates may also be considered.
- Recently graduated or waiting to graduate in 2023
- A working knowledge of MS-Office Applications such as Word, Excel, and PowerPoint.
- Creative and inquisitive with a desire to learn
- Able to work collaboratively in a team
- Good communication skills (report writing and presentation)

The selection Criteria Selection for interns shall be guided by merit and discipline, gender and ethnic considerations, and disadvantaged background. Female graduates are highly encouraged to apply

5. Monitoring and Assessment

A participatory approach will be followed in monitoring and assessment of the internship programme. The internship supervisors will evaluate the training progress on weekly basis and provide a report to the SCEE project coordinator at the end of the internship. During the training program, the interns will be expected to analyse various safety case scenarios at their workplace (on site) and then describe the relevant safety rules and procedures for the respective scenarios. Further, they will identify the existing and potential hazards on the site (construction project), and the appropriate standards to make the workplace /construction site safe.

The interns will prepare a report and submit to the project coordinator latest 1 week after completion of the training. The report will follow a prescribed format that comprises the following sections:

- A. Abstract / Executive summary
- B. Introduction
This will include a brief background of the internship program, the company profile or site description and the structure of reporting/organogram
- C. Main body of the report
This will carry different sections with descriptions of the activities accomplished. The descriptions should address each of the nine training areas enumerated in section 3, indicating the skills and knowledge gained and any safety challenges experienced / observed. The use of pictures /images/illustrations to highlight important aspects or activities is highly encouraged.
- D. Conclusions and recommendations

On successful completion of the programme, a certificate of completion shall be awarded to the interns. A seminar will be organized for the interns to meet and share ideas, experiences and best practices from their workplaces.

Interested and eligible candidates should send their applications to the contact below **not later than 7th April 2023**, clearly stating the motivation to participate in this program and how the program will be beneficial at the individual level and to the potential employer. Find more details at <https://scee.mu.ac.ke>

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