

younglings



## Hackathon Info Pack

# Education Hackathon

30<sup>th</sup> July 2022 - 31<sup>st</sup> June 2022

**[6 Pages, 2 attachments (Presentation Guideline, Rubric)]**

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## Problem Statement

**Theme:** Delivering Quality Education Hackathon

**Date:** 30th – 31st July 2022

**Virtual:** Discord (Digital Platform)

### **EVENT BACKGROUND**

The United Nations (UN) Sustainable Development Goals (SDG) are a collection of 17 interlinked global goals designed to be a "blueprint to achieve a better and more sustainable future for all". In 2015, 195 nations agreed with the United Nations that they can change the world for the better. This will be accomplished by bringing together respective Governments, Businesses, Media, Institutions of higher education, and NGOs to improve the lives of the people in their countries by the year 2030.

South Africa as a signatory to the UN, has committed to support the UN initiatives.

Our organisation, Empire Partner Foundation (EPF), along with our partners, are committed to contributing towards assisting the UN and South Africa in achieving SD Goals for 2030. We have identified Education as one of the 10 (ten) public sector challenges that we aim to solve through technology.

UN SDG 4 focuses on **Quality Education, to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.**

Quality education is an important right which plays a vital role in relation to a person's health, quality of life, self-esteem, and the ability of citizens to be actively engaged and empowered.

**Statement:** Teachers are the key to achieving all the SDG 4 targets. Teacher Development requires urgent attention. The equity gap in education is exacerbated by the shortage and uneven distribution of professionally trained teachers, especially in disadvantaged areas. Good Teachers are a core requirement for quality education and teachers and educators should be empowered, remunerated, motivated, and supported within well-resourced, efficient and effectively governed systems.

Source: <https://www.sdg4education2030.org/the-goal>

### **EPF Hackathon in a nutshell:**

- To produce solutions that enhance the delivery of quality education
- Solutions must demonstrate public benefit
- Solutions must add value to educators and students

**Challenge:** A contributing factor to the low student enrolment numbers in STEM subjects (Science, Technology, Engineering and Mathematics) is attributed to the quality of teaching and in these disciplines.

**Question:** How can technology assist Educators in delivering their STEM lessons more impactfully so that it leads to an increase in the number of student enrolments on STEM subjects?

Cognisant of the above challenges, the Empire Partner Foundation (EPF) will host a virtual Hackathon in collaboration with **Younglings in the Western Cape**.

This virtual hackathon provides the platform to engage South African Youth from different national geographic locations that are in the fields of programming, marketing, finance, and business to solve for this challenge over two days and to display their ICT skills to create innovative technological solutions to solve for this problem.



## Venue

**Virtual:** Discord (digital platform)

## Livestream

YouTube: <https://youtube.com/channel/UCX9fvO9RSYL3LMJYsf-udPA>

## Program:

# Education Hackathon

## Program: Virtual

Virtual Venue: [Discord \(online platform\)](#)

Day 1: Saturday, 30 July 2022			Detail			
Time	Item	Person	Venue Detail			
			Virtual: <a href="#">Discord</a>			
07:55 - 08:00	Pre-welcome announcement	Dev Naicker	Discord '#general' Room			
08:00 - 08:10	Welcome Ceremony - live	Jasmine Mokwena	Discord '#FrontStage' Room + Empire Partner Studio YouTube Channel			
08:10 - 08:20	Keynote Speech - live	Guest Speaker				
08:20 - 08:25	Welcome Closing - live	Jasmine Mokwena				
08:25 - 13:00	HACKING BEGINS					
13:00 - 13:30	Lunch Break					
13:30 - 17:00	HACKING CONTINUES					
Day 2: Sunday, 31 July 2022			Detail			
Time	Item	Person	Venue Detail			
			Virtual: <a href="#">Discord</a>			
08:00 - 08:30	HACKING CONTINUES					
08:30 - 08:35	Presentations Briefing				Dev Naicker	Discord '#general' Room
08:35 - 12:00	HACKING CONTINUES					
12:00 - 12:30	Lunch Break					
12:30 - 13:00	HACKING CONTINUES					
13:00 - 17:00	<b>Solution Presentations</b>					
19:00	Top Three (3) Announcement	Jasmine Mokwena (EPF)	WhatsApp Main Group			
END						

## Emergency Contacts

### General

Jasmine Mokwena: 27 81 719 3333 – Hackathon Event Coordinator

Mikhial Mariemuthu: 27 73 987 6215 – EPF Senior Manager

Locadia Ncube: 27 78 274 5742 – Assist

### Tech Support

Dev Naicker: 27 66 207 0235 – Software Engineer / Discord Manager

Emile Mariemuthu: 27 72 933 5714 – Assist

### Note

Please see attached:

- **Presentation Guideline - PDF Document**
- **Rubric – PDF Document**

**Minimum 8 members per team. Maximum 10.**

## Social Media

LinkedIn: <https://www.linkedin.com/company/epfsouthafrica>

Facebook: <https://www.facebook.com/epfsouthafrica/>

Instagram: <https://www.instagram.com/epfttechhub/>

TikTok: <https://www.tiktok.com/@epfstudiosa?lang=en>

YouTube: <https://youtube.com/channel/UCX9fvO9RSYL3LMJYsf-udPA>

EPF Website: <https://www.empirepartnerfoundation.org/>

## EPF Tech Hub Apps

The EPF Tech Hub provides a **digital eco-system** where innovators can deeply understand challenges in real- time in order to **develop comprehensive, tech- focused solutions**. This application will enable every South African to **become digital citizens**.

### EPF Tech Hub Website:

<https://www.epftechhub.org/>

### Afri-Tec Safety Alert App:

A safety alert app where you can alert your loved ones in emergency cases.

For iOS:

<https://lnkd.in/daAgUWq>

For Android:

<https://lnkd.in/dzSMEGi>

### Zibuza:

An online professional and high-quality learning and communication platform for parents, students, teachers, student bodies, etc.

<https://zibuza.net/>

### Hippocampus:

A personalised online tutoring service for university students.

<https://www.hippocampus.education/>

### Microsoft Mahala:

Free Microsoft resources and packages for students.

<https://mahala.ms/>