EMPIRE PARTNER FOUNDATION

Hackathon Info Pack

Energy Hackathon

23 April 2022

24 April 2022

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Problem Statement

Theme: Renewable Energy integrated CSI platform

Statement: *Load shedding negatively impacts our economy. Many communities face frequent outages, and some have no electricity at all. Renewable energy, versus fossil energy, is more cost-effective in the long-term, and the country would face less loadshedding because of its reliability.*

Challenge: The major challenge of renewable energy is in the cost of installation. Many renewable energy companies in South Africa lack financial capacity and opportunities to install the infrastructure and supply the much-needed energy to communities.

"The most significant and well-known obstacle to renewable energy adoption right now is the costs associated with building and installing facilities like solar or wind farms. As with most renewable sources of energy, solar and wind are quite cheap to operate, with their "fuel" being free and maintenance being minimal. Hence, most of the cost for renewables is in their installation." Source: https://www.azom.com/article.aspx?ArticleID=18220

There are renewable investment opportunities in the market that can be availed directly to communities experiencing frequent outages or no electricity at all.

Question*: How can we use technology to create an integrated CSI platform with listings of IPP's and renewable energy companies?*

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Cognisant of the above challenges, the Empire Partner Foundation will host a hybrid Hackathon where youth from different geographic locations are offered a platform to display their ICT skills to create innovative technological solutions to solve this problem.

Date: 23rd – 24th April 2022
Physical Venue: 35 Ferguson Road, Sandton, Illovo
Virtual: Discord Digital Platform

Venue

Physical: Ground Floor, 35 Ferguson Road, Illovo, Sandton.

Virtual: Discord (Digital Platform)

Parking

Parking facilities are available for our participants in our visitor area (B1 & B2)

Wi-Fi

Participants can connect to our high-speed Wi-Fi network

Wi-Fi Name**: CFP-WiFi**

Wi-Fi Password: **CfpAdmin00**

Livestream

Instagram: https://www.instagram.com/epftechhub/

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

Workspaces & Equipment

Each team will be allocated a workspace to operate from. We will also provide stationery like A3 paper, pens and whiteboard markers. **You will need to bring your own laptops, USB sticks, and HDMI cables for the hackathon.**

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Energy Hackathon
Program

Day 1: *Saturday, 23 April 2022*		Detail
07:30 - 08:00	Registration	
08:00 - 08:30	Breakfast	
08:35 - 08:45	Welcome Ceremony (MC)	Reception
08:45 - 08:55	Keynote Speech	
08:55 - 09:05	Team Introductions	
09:05 - 13:00	HACKING BEGINS	
13:00 - 13:30	Lunch	
13:30 - 16:30	HACKING CONTINUES	

Day 2: *Sunday, 24 April 2022*		Detail
07:30 - 08:00	Registration	
08:00 - 08:30	Breakfast	
08:30 - 12:00	HACKING CONTINUES	
12:00 - 12:30	Lunch	
12:30 - 16:30	Solution Presentations	Boardroom 1
19:00	Prize-Giving Announcement	

END

Ground Floor, 35 Ferguson Road, Illovo, Sandton, 2196

info@empirepartnerfoundation.org

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EMPIRE PARTNER FOUNDATION

Energy Hackathon
Program: Virtual

Day 1: *Saturday, 23 April 2022*		Detail
07:30 - 08:00	Registration	Disclaimer Link
08:00 - 08:30	Discord Tutorial	Dev Naicker & Emile Mariemuthu
08:35 - 08:45	Welcome Reception	Instagram Live: https://www.instagram.com/epftechhub/
08:45 - 08:55	Keynote Speech	
08:55 - 09:05	Team Introductions	
09:05 - 13:00	HACKING BEGINS	
13:00 - 13:30	Lunch	
13:30 - 16:30	HACKING CONTINUES	

Day 2: *Sunday, 24 April 2022*		Detail
07:30 - 08:00	Registration	Disclaimer Link
08:00 - 08:30	Virtual Platform Setup + Commencement	
08:30 - 12:00	HACKING CONTINUES	
12:00 - 12:30	Lunch	
12:30 - 16:30	Solution Presentations	Discord
19:00	Prize-Giving Announcement	

END

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Rubric

Hackathon: _____

Team Name: _____

Judge: _____

Title	0	1	2	3	Rate	Comments
Problem Statement Solution	The solution did not address the problem statement	The solution only addressed a sub-section of the problem	The solution addressed problem statement well in a good fashion	The solution addressed problem statement completely in a unique way		
Impact – value added to the field and/or society	No impact would be made	Minimal or temporary value added to entities	The impact would benefit relevant entities	Greatly benefits the current scenario of the entities		
Product – Unique selling point (USP)	The product does not have a USP	The product's USP builds on a present product	The product's USP incorporates present and new ideologies	The product is completely innovative (potentially disruptive)		
Financial Viability	No thought or understanding of how the business will generate profit	Income stream presented but very vague as to how the business will generate profit	Income stream presented a clear definition as to how the business will generate profit	Clear understanding of income generation and projected view of business venture		
Marketing Strategy	No clear sign of marketing strategy.	Marketing strategy presented but not aimed towards target market.	Marketing strategy presented and defined.	Marketing strategy defined and well-presented and showcases route to market		
Demo -Innovation and user experience	No Demo	Demo not clear and sloppy.	The demo provides a better/faster/clearer way to address the problem statement.	The demo tackles a problem statement with a new angle / on a bigger scale / on a higher level.		
Presentation -Slides and speech (Content, Time, Neatness)	None of the points were achieved	1 of the points were achieved	2 of the points were achieved	All the points were achieved		
Questions	No questions were answered adequately	The answers given were very vague / very little understanding of the questions	The answers given were satisfactory	All questions were answered with complete/good sense of understanding		
Code submitted	Not submitted	Submitted				
					Total Score ⎯⎯	Suggestion

Emergency Contacts

General

Jasmine Mokwena: 27 81 719 3333 – Hackathon Event Coordinator

Nsovo Chawane: 27 82 587 3675 – Assist

Tshidi: 27 81 375 5404 – EPF CEO

Tech Support

Dev Naicker: 27 66 207 0235 – Software Engineer / Discord Manager 1

Mikhial Mariemuthu: 27 73 987 6215 – EPF Senior Manager / IncHub Manager / Discord Manager 2

Emile Mariemuthu: 27 72 933 5714 – Assist

Note

Please see attached:

- **Presentation Guideline – PowerPoint Presentation**

Minimum 8 members per team

Social Media

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

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

Instagram: https://www.instagram.com/epftechhub/

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/

Barter Smarter:

Online platform for businesses and SMME's to trade their goods & services.

https://www.bartersmarter.co.za/