

# **Inngen Hackathon Plan: Building a Universal Document Understanding Model**

## **Overview**

As part of activities for this year's Technology Week, INNGEN, in partnership with the Department of Computer Engineering, is organising a 48-hour hackathon to bring together the best brains on campus to solve a given problem. This hackathon aims to develop a document understanding model to process various documents (invoices, resumes, contracts, etc.) and extract key information. The hackathon will span over 48 hours, fostering innovation, collaboration, and rapid prototyping. The venue will be KSB, KNUST.

## **Objectives**

1. Build a model that can handle different document types.
2. Extract key information such as names, dates, amounts, etc.
3. Ensure the model is robust and can handle noise and variability in document formats.
4. Present the model and results in a final presentation.

## **Presentations**

- Each team presents their model (10 minutes per team).
- Demonstrate functionality and accuracy on various document types.
- Judges evaluate based on evaluation criteria

## **Evaluation Criteria**

1. Innovation: Uniqueness and creativity of the solution.
2. Accuracy: Precision of information extraction across different document types.
3. Robustness: Ability to handle noisy or varied document formats.

4. Usability: User-friendliness and practicality of the solution.
5. Presentation: Clarity and effectiveness of the final presentation.

### Resources Provided

- Sample datasets (various document types).

### Final Deliverables

- A working document understanding model.
- Source code repository (e.g., GitHub).
- Documentation explaining the model and its usage.
- Presentation slides/demo video.

### Prizes

1<sup>st</sup> Place: 5,000 Ghana Cedis and NSS placement (or internship)

2<sup>nd</sup> Place: 3, 000 Ghana Cedis

3<sup>rd</sup> Place: 2,000 Ghana Cedis

### Schedule

Registration Period: Submission of Team Name and Resume of Team Members	1 <sup>st</sup> July – 19 <sup>th</sup> July, 2024
Notification of Selected Team by Inngen (10 Max)	26 <sup>th</sup> July 2024
Announcement of Kick off at Opening Ceremony and Hackathon Officially Begins	30 <sup>th</sup> July 2024
Submission + Presentation + Demo – will require a 2-hour session	1 <sup>st</sup> August 2024
Awards Presented at Award Ceremony	1 <sup>st</sup> August 2024

Mode Application: Send an email to [n.brown@4th-ir.com](mailto:n.brown@4th-ir.com) with *KNUST Technology Week Hackathon* as the **subject**, and attach a **single file** with the Team name, membership and resume of team members

For further enquiries, send an email to [n.brown@4th-ir.com](mailto:n.brown@4th-ir.com)