



University of Nairobi

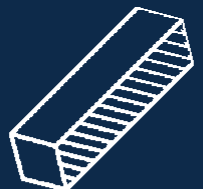
KENYA REINSURANCE CORPORATION LTD
AND UNIVERSITY OF NAIROBI

(AI4I) HACKATHON 2025



THEME:

Redefining Reinsurance Business
processes with AI



Kenya Reinsurance Corporation

@Kenya_Re

KenyaReinsurance

www.kenyare.co.ke

Table of Contents

1.0 Background Information	3
1.1 Theme	3
2.0 Challenge Overview	3
3.0 Hackathon Objectives	4
3.1 What We're Looking For	4
4.0 Judging Criteria	4
4.1 Judging Criteria	5
5.0 Competition Structure	5
6.0 Problem Statements	5
7.0 Submission Guidelines	5
8.0 Important Dates	6
8.1 Dataset Overview	6
9.0 How to register	6
10.0 Judges	6
11.0 Winners	6

1.0 Background Information

The Kenya Reinsurance Corporation (Kenya Re) and the University of Nairobi (UoN) join forces for the 2nd edition of the Artificial Intelligence for Insurance (AI4I) hackathon.

The Kenya Re AI4I hackathon is a unique opportunity for talented University students across the country to leverage their expertise in AI and machine learning models. Students passionate about innovation and automation and keen on contributing to operational efficiency in service offerings are encouraged to participate.

1.1 Theme

Redefining reinsurance business processes with AI

2.0 Innovation Challenge

2.1 Challenge Overview

This 2nd edition hackathon unites Kenya Reinsurance and top and creative minds in our universities—to tackle real-world challenges and shape the future of reinsurance. Working collaboratively, participants will leverage cutting-edge technologies in Artificial Intelligence (AI) and Machine Learning (ML) to develop innovative solutions that enhance operational efficiency.

Participants are expected to use the provided datasets for each problem area and cutting-edge AI technologies including but not limited to the state-of-the-art machine learning algorithms, analytics, visualizations, ChatGPT technologies among others. Participants are challenged to understand the current business challenges as presented and provide solutions in areas such as

- a) **AI-Powered Facultative Reinsurance Decision Support System**
- b) **Claims Processing with AI Fraud Detection Capabilities**

Participants shall be expected to analyze and understand the data, and craft compelling, AI-driven solutions that enhance efficiency, security and strategic positioning of the re-insurance business.

3.0 Hackathon Objectives

- **Spark Innovation:** Foster a collaborative environment where participants can develop creative solutions using AI and ML.
- **Bridge the Gap:** Connect university top minds with AI talent to address everyday challenges in reinsurance.
- **Empower Efficiency:** Identify solutions that streamline operations and improve processes within the reinsurance industry.
- **Develop a community of insurance AI experts:** Create a community of AI developers for insurance and reinsurance industry.

3.1 What We're Looking For

- **Technical Brilliance:** Showcase your proficiency in AI, ML, and software development.
- **Problem-Solving Prowess:** Develop solutions that address a specific challenge statement (to be provided).
- **Design Thinking:** Craft user-friendly and impactful solutions that consider design and usability.

4.0 Judging Criteria

- **Innovation:** Uniqueness and originality of the proposed solution.
- **Technical Complexity:** Level of technical expertise demonstrated in the solution.
- **Potential Impact:** The solution's ability to address a significant challenge and improve efficiency in processing time and reduction of manual effort.
- **Design & Development:** Clarity, functionality, user-friendliness of the solution and accuracy of the system design documents
- **Problem-Solving:** Effectiveness in addressing the challenge statement.
- **Scalability and adaptability to different lines of business.**

4.1 Why Participate?

For the participants, this hackathon offers a unique opportunity for innovation, learning, networking and building their personal professional portfolios.

You will

- a. **Showcase Your Innovation:** Present your solutions to a panel of industry leaders and AI experts
- b. **Win Prizes:** Attractive prizes await the most innovative and impactful proposals.
- c. **Network and Collaborate:** Connect with peers, industry professionals, and potential mentors or investors
- d. **Build solutions that benefit our country**
- e. **Relationship:** Potential Long-term relationship with Kenya Re

5.0 Competition Structure

Below are the main stages of the hackathon

- Pre-Hackathon Online Briefing
- Hackathon stage 1 (Registration, live competition and live demonstration of solutions, judging and feedback, awards ceremony)
- Hackathon stage 2 (Development of the prototype into production)

6.0 Problem Statements

Each participant is expected to come up with a solution for one of the following problems:

- a. AI-Powered Facultative Reinsurance Decision Support System
- b. Claims Processing with AI Fraud Detection Capabilities

7.0 Submission Guidelines

Eligibility: Open to students with a background, understanding and passion for software development in their 3rd or 4th year of studies or have graduated/due to graduate in 2025 from our local universities.

Dataset: Anonymized insurance datasets will be provided with registered participants. Registered participants will be required to sign non-disclosure agreements upon registration as the data provided to them is sensitive and proprietary to Kenya Re.

Tools: Any AI driven software tool can be used during this hackathon. The cost for a such tool (if any) is expected to be borne by the participant(s).

Format: Solutions will be presented to the judges via live demos.

8.0 Important Dates

Hackathon Briefing	Thursday 18th September 2025
Hackathon Registration	Tuesday 9th -15th September 2025
Hackathon	Wednesday 24th -26th September 2025

8.1 Dataset Overview

The datasets for the various problem statements include information on

- a. AI-Powered Facultative Reinsurance Decision Support System
- b. Claims Processing with AI Fraud Detection Capabilities

9.0 How to register



Interested participants can access the registration form through <https://forms.office.com/r/w7TEZKtjC4> or by scanning the QR code below.

10.0 Judges

The prototypes will be judged by a panel comprising of professionals within the academia and reinsurance industries.

1. **Prof. Peter Waiganjo**, Professor of AI, Department of Computing and Informatics - University of Nairobi
2. **Prof. Lawrence Muchemi**, Senior Lecturer of AI, Department of Computing and Informatics - University of Nairobi
3. **Mr. Samuel K Ruugia**, Manager, ICT – Kenya Re, Hackathon Lead
4. **Mr. Steve Khan**, Senior Underwriter, International Business – AI-Powered Facultative Reinsurance Decision Support System
5. **Phoebe Seitah, Claims Processing with AI Fraud Detection Capabilities**

11.0 Winners

1st position -	Cash prize of Kshs. 200,000
2nd position -	Cash prize of Kshs. 150,000
3rd position -	Cash prize of Kshs. 100,000
4th position -	Cash prize of Kshs 80,000
5th position –	Cash prize Kshs 50,000
Finalists	(Position 6 th to 10 th) - Kshs. 10,000

12.0 Contact Information

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