

DATICAN Undergraduate Students Competition in the Application of Artificial Intelligence in Medicine

Introduction

The focus of this competition is to identify Nigerian youths who will become future leaders in the field of Artificial Intelligence (AI) and Data Science (DS) with special applications in Medicine. AI and DS are leading the world of computing today and they offer lots of tools with applications in all fields of life. The developed world is making a great progress in the adoption of AI and DS tools, and the results are amazing. The speed of adoption is very slow in Africa because of many things, one of which is the lack of human resources in these fields. Fortunately, Africa, and in particular Nigeria, is blessed with boys and girls with great potential to innovate and impact the continent but these talents are hiding somewhere. Our mission is to identify these talents and help them to activate their potential. This competition will create a platform for boys and girls to compete for a prize award as they demonstrate and learn more about the application of AI and DS to medicine. These young people will be mentored by us to develop a career in AI and DS.

This competition is largely for students of Lagos State University, Redeemer's University and The University of Ibadan. The choice of these universities is based on the fact that they are members of the DATICAN project. The competition will be in phases. The first phase will take place at Lagos State University and the second will be held in Redeemer University. The final phase will be at the University of Ibadan. The first phase is scheduled for June 2024 and the dates of the other phases will be announced later.

About the Organizers of this Competition

Data Science and Medical Image Analysis Training for Improved Healthcare Delivery in Nigeria (DATICAN) is the project name of an NIH-funded project as part of the DS-I Africa initiatives. DATICAN is a collaborative effort amongst 4 universities – Lagos State University (LASU), The University of Ibadan (UI), Redeemer's University (RUN) and The University of Chicago (UChicago). The main goal of DATICAN is to build capacity in AI and DS with special applications in medicine. The Chairman of the steering committee of DATICAN is Professor Funmilayo Olopade of UChicago. Other key personnel of DATICAN are Professors Benjamin Aribisala (LASU), Abiodun Adewuya (LASU), Adenike Adeniji-Sofoluwe (UI), Godwin Ogbole (UI), Samson Arekete (RUN), Alex Pearson (UChicago) and Steffen Sammet (UChicago).

Who Can Participate?

University: Lagos State University Undergraduates ONLY

Department: All Departments

Level: Any Level

Age: 16+

Team: Individual OR Team (2 – 3 members)

Registration

The first step in the registration process is to form a team. The team can comprise of only one student, two students or 3 students. Then you will need to give your team a name. Then give your project a name. After these, you can proceed to the actual registration by following the registration link provided here <https://datican.org/ucompetition.php>.

Registration Opens on May 14, 2024 and Closes at 11:59pm on May 21, 2024

Submission

Only those whose projects have been approved can submit codes and software packages. Submission of codes will be via GitHub and open on June 01 2024. Note that you are required to create a repository and transfer your code to <https://github.com/DATICAN-UNDERGRADUATES-COMPETITION>. Include in your Readme.md file the link to your hosted app. The deadline for submission is June 18, 2024

Prizes

Total Award = **NGN 1,000,000**

- Best Project: **NGN 500,000**
- Second Best Project: **NGN 300,000**
- Third Best Project: **NGN 200,000**

Codes Assessment Criteria

Please note that your codes will be assessed by experts to ensure that it falls within the scope of the competition which is simply application of Artificial Intelligence and (or) data science in medicine. Some of the criteria for assessment are originality, potential benefit to humans, user-friendliness, modularity, etc.

Important Dates

1. Registration Starts - **Tuesday, May 14, 2024**
2. Registration deadline - **Tuesday, May 21, 2024, 11:59pm**
3. Submission of project and codes starts - **Saturday, June 01, 2024**
4. Deadline for submission of project and codes - **Tuesday, June 18, 2024, 11:59pm**
5. Presentation date and announcement of winner - **Saturday, June 29, 2024**

Follow DATICAN on <https://datican.devpost.com> for more information