

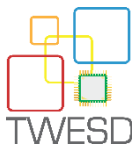
Smart Healthcare Competition

The Transformative Journey of AI Medical Image Interpretation and Diagnosis

Scientific Committee

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**Valuable gifts
will be given
to the winners**



<http://www.ceslab.org/TWESD2024>

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About the competition

The evolution of medical imaging is a testament to medical innovation and its global impact. From the inception of X-rays by Wilhelm Conrad Roentgen to the development of modern imaging techniques like MRI, CT scans, and signal-based methods such as ECG and EEG, each step has broadened the scope of healthcare. The shift from physical to digital medical images has made health monitoring and diagnosis more efficient and accessible.

However, the continued use of physical images in less developed regions highlights a digital divide that needs to be addressed for equal health outcomes. Digitizing historical medical images can democratize access to health information and promote inclusive healthcare. This effort respects past medical achievements and drives us towards a future where healthcare technology benefits are universally accessible, irrespective of location or socioeconomic status.

Process

The Smart Healthcare Competition is a prestigious event that calls upon medical technology student innovators to develop open-source algorithms for medical image interpretation and diagnosis.

In the first phase, participants are tasked with converting various types of medical images into appropriate data representations and classifying them. For the final diagnostic output, the solutions should demonstrate proficiency in image classification and model-based diagnosis within the field of medical imaging.

The second phase will see the top teams present their solutions at a workshop, emphasizing not only technical expertise but also communication skills. This competition is a significant step towards enhancing digital health and promoting collaborative, open-source efforts.

Useful links

- [Process Documentation](#) to participate.
- [Challenge website](#) for TWESD 2024.
- [Form](#) for the team registration.
- [Classroom](#) to send team solution (one member).