

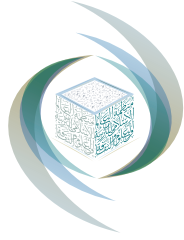


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# *App-a-Thon for Health: Building Apps to Enhance Patient Care*







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## ***Background***

In an era of rapid technological advancement, digital innovation holds immense potential to transform healthcare systems and improve patient care worldwide. The COVID-19 pandemic highlighted the critical role of technology in addressing healthcare challenges, from remote patient monitoring to improving access to medical resources. The unprecedented strain on healthcare systems during the pandemic underscored the urgency of adopting innovative solutions to bridge gaps in healthcare delivery and foster resilience.

Digital health technologies, such as mobile applications, telemedicine platforms, and AI-driven tools, are increasingly being recognized as powerful enablers for improving health outcomes. They empower healthcare providers to make informed decisions, enhance efficiency, and improve patient experiences. However, the challenge lies in translating these possibilities into accessible, affordable, and scalable solutions that can serve diverse populations, especially in underserved regions.

The «App-a-Thon for Health» initiative by ICESCO aims to address these challenges by mobilizing the creativity, energy, and expertise of youth. By engaging young minds in designing innovative health applications, this initiative seeks to create solutions tailored to the real-world needs of patients and healthcare providers alike. It also offers a unique platform for capacity building, fostering interdisciplinary collaboration, and cultivating a generation of health innovators committed to driving meaningful change.

This initiative is particularly relevant for ICESCO member states, where the demand for improved healthcare services and access to digital tools is rising. By supporting young talents and equipping them with the resources and guidance needed to develop impactful applications, ICESCO endeavors to contribute to the global effort to achieve Sustainable Development Goal 3: Good Health and Well-Being. Ultimately, this hackathon serves as a catalyst for inspiring the next wave of digital health innovation and empowering youth to take an active role in transforming healthcare delivery systems.







## *Main objective*

To foster innovation in the healthcare sector by developing applications that enhance patient care and improve healthcare system efficiency.

## *Specific objectives*

This activity is aimed to achieve the following specific objectives:

Promote the integration of digital technology into healthcare systems to address pressing patient care needs.



Inspire and support young developers and entrepreneurs to create impactful health applications.



Facilitate collaboration between healthcare professionals, developers, and innovators to design user-friendly, effective solutions.



Contribute to capacity building in the health tech sector across ICESCO member states.



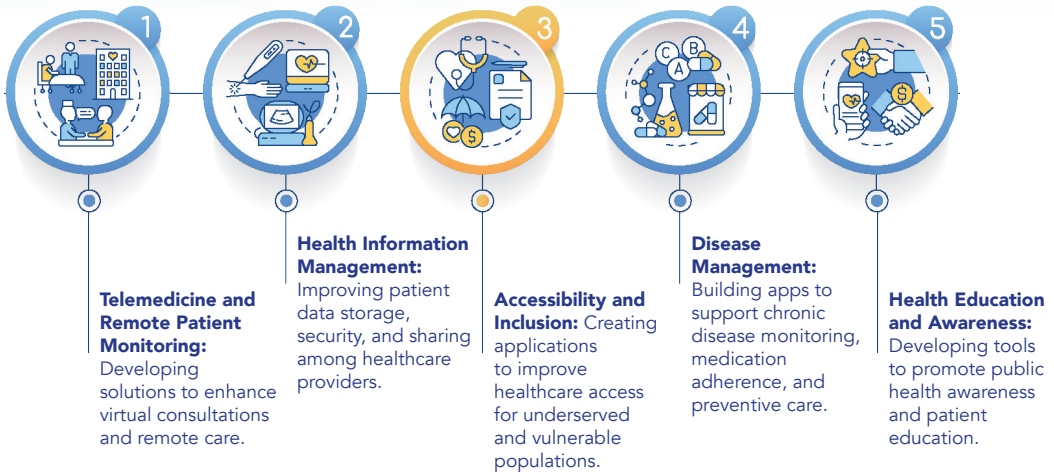
Encourage the development of applications aligned with sustainable development goals (SDGs), particularly SDG 3: Good Health and Well-Being



These specific objectives aim to deliver a focused and tangible learning experience, enabling participants to understand the practical implications of robotics for sustainability and environmental accidents mitigation.

# Themes

To foster innovation in the healthcare sector by developing applications that enhance patient care and improve healthcare system efficiency.



## Expected Outcomes

- »
- 1- Developing solutions to enhance virtual consultations and remote care.
  - 2- Improving patient data storage, security, and sharing among healthcare providers.
  - 3- Creating applications to improve healthcare access for underserved and vulnerable populations.
  - 4- Building apps to support chronic disease monitoring, medication adherence, and preventive care.
  - 5- Developing tools to promote public health awareness and patient education. »





## ***Target participant***

- 6- Youth app developers, software engineers, and IT enthusiasts.
- 7- Students and young professionals passionate about technology and healthcare innovation.
- 8- Young entrepreneurs and startups focusing on health technology solutions.
- 9- Young healthcare practitioners or students in medical and allied health fields.
- 10- Representatives of youth organizations and public health clubs.



## ***Beneficiaries***

The hackathon is open to young innovators from all ICESCO Member States, including:

- Young individuals passionate about healthcare and technology, currently studying or having recently completed their studies.
- Individuals with skills in application development, software engineering, or a strong interest in information technology.
- Individuals developing health technology solutions in the early stages of their entrepreneurial journey.
- Those interested in digital health, including students and professionals from medical, biomedical, or public health fields.
- Members of youth-focused organizations or public health networks aiming to contribute to healthcare innovation.

These eligibility criteria aim to foster a diverse and multidisciplinary environment, encouraging collaboration among participants from various backgrounds to drive innovation in healthcare technology.



# Partners

Centre d'Innovation en e-Santé - Université Mohammed V, Université Mohammed VI des Sciences et de la Santé, Ecole Supérieure Mohammed VI

## Event Timeline

### Phase 1: Call for Applications

- **Announcement & Registration:** The hackathon officially launches in April, 2025. Online registration opens, providing detailed participation guidelines. Promotion will occur via social media, universities, and technology hubs.

### Phase 2: Idea Submission & Preselection

- **Initial Screening:** Participants submit app concepts, target audience descriptions, and expected impact. A panel of healthcare and technology experts evaluates submissions based on innovation, feasibility, alignment with healthcare needs, and scalability. Top ideas are shortlisted, ensuring diverse regional representation and gender diversity.

### Phase 3: Development & Prototype Submission

- **Refining the Prototypes:** Shortlisted participants receive mentorship to develop functional prototypes. Teams submit their final apps for review.

### Phase 4: Final Presentation & Judging

- **Pitching to the Jury:** Shortlisted teams refine their prototypes, participate in online mentoring sessions, and receive feedback to enhance their solutions. Finalists present their applications before a panel of health and tech experts, showcasing demos, implementation strategies, and scalability plans.

### Phase 5: Winner Announcement & Awards

#### **Live Event: November 2025 | Location: Casablanca, Morocco**

- **Top Teams Awarded and Recognized:** The top five finalists are invited to Morocco to present their projects before a panel of experts. After deliberations, three winners are announced. All five finalists gain entry into a global acceleration program and have the opportunity to present their innovations on a larger stage.

# Organizers



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