

DESIGNING THE FUTURE OF ENERGY

JanUS
CRE
AI
THON

19 LUGLIO

2024

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APPLE
DEVELOPER
ACADEMY

CAMPUS DI
S. GIOVANNI A TEDUCCIO

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Regulations for Participants in the CRE-AI-THON Hackathon

Introduction

- **Objective of the event** : The CRE-AI-THON Hackathon aims to develop the design product of an innovative digital platform for the management of Renewable Energy Communities (CER). Participants will have to create a Mockup and a Proof of Concept (POC) for a platform that includes features such as real-time monitoring of energy production and consumption, optimization of energy flows, analysis and forecasts based on artificial intelligence, energy tariff management, integration with IoT devices and the generation of detailed reports on energy use and CO2 emissions.
- **Organizers and sponsors** : The event is organized by Janus Srl, a startup of the Graded group, in partnership with Intesa San Paolo and Tondo LAB.

Eligibility

- **Who can participate** : Participation is open to all students and young developers interested in getting involved.
- **Admission Procedure** : After registration, participants will receive a confirmation email for acceptance. The organizers reserve the right to evaluate and select aspiring participants.

Registration

- **How to register** : Participants must register via the following link: [Hackathon Registration](https://www.janustech.it/registrazione-hackathon) . The deadline for registration is July 15, 2024 at 11.59pm. (<https://www.janustech.it/registrazione-hackathon>)
- **Team formation** : Participants can indicate in the registration form the team members with whom they wish to collaborate and/or the entire team if they prefer, up to 6 members. The organization will take your preferences into account but reserves the right to confirm and/or modify the composition.

Event format

- **Duration of the hackathon** : The hackathon will last 12 hours, from 09:00am to 09:00pm on 19 July 2024. The arrival of participants is set for 08:30am for registration and delivery of the welcome kit.
- **Location** : Apple Developer Academy, 3rd Floor, Polo San Giovanni a Teduccio – Naples - S5 lift

Participation rules

- **Code of Conduct** : Participants must maintain respectful and cooperative behavior. Any offensive or discriminatory behavior will result in exclusion from the event.
- **Use of resources** : Participants must bring their own work tools. The organizers will not provide hardware and/or software to carry out the activities.
- **Intellectual property** : The intellectual property rights of the projects created during the hackathon will remain property of Janus Srl, which reserves the right to use the ideas for promotional and development purposes.





Technical skills required

Participants must have basic knowledge regarding the following technologies:

- **HTML** and **CSS** for the creation of web pages
- **Figma** or **Adobe XD** or **similar** for the creation of design mockups
- Basic knowledge of **artificial intelligence** and its applications
- Knowledge of database management systems (**DBMS**) and **SQL**
- At least one of **Flutter** / **React Native** / **Swift** / **Kotlin** for iOS mobile app development

Sustainable Development Goals (SDGs)

Participants will have to take into consideration the following Sustainable Development Goals (SDGs):

- **SDG 7** : Clean and affordable energy
- **SDG 9** : Industry, innovation and infrastructure
- **SDG 11** : Sustainable cities and communities
- **SDG 13** : Fight against climate change

Deliverable

Participants will have to achieve:

- **Solution Mockup** : A graphical prototype of the front end and back end platform user interface.
- **Proof of Concept (POC) of the Solution** : A functional demonstration of the main features of the front end and back end platform.

Assessment

- **Jury** : The jury will be made up of experts in the energy, technology and financial sectors. The jury members will be announced during the event.

Prizes

- **Description of the prizes** :
 - **First Place** : 700 euros for each team participant
 - **Second Place** : AirPods for each team participant
 - **Third Place** : MagSafe for each team participant
- **Distribution of prizes** : The prizes will be awarded after the jury's evaluation in the awards event.

General conditions

- **Liability** : The organizers are not responsible for any damage or loss suffered by participants during the event. Participants are required to comply with all local laws and the rules of the CRE – AI – THON hackathon, the University of Naples Federico II and the Apple Developer Academy.
- **Changes to the rules** : The organizers reserve the right to change the rules at any time. Any changes will be communicated promptly to participants.

Contacts

- **Contact information** : For questions or clarifications, contact the organizers at the email address: hackathon@janustech.it

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