

MSUS Sustainable   
Smart Buildings Open Hackathon

Help shape the future of smart building technology

[Date]

[Update to your event’s registration page]

For registration visit

Where can I sign up?

To sign up as a hacker, register here.

To sign up be a proctor, register here.

When will the hackathon take place?

The hackathon is a virtual event September 21 – September 23 that will take place between 9:00 am – 5:00 pm each day in your selected time zone.

What is the purpose of the MSUS Sustainable Buildings hackathon?

1. Help shape and scale sustainability hackathons and skilling programs  
   in FY22.
2. Develop sustainability fluency among technical sales teams to build repeatable and customizable 1st party solutions for sustainable smart building ecosystems.
3. Grow the community of Microsoft Sustainability champions and badge certifications.

Who is eligible to participate?

The Sustainable Smart Buildings open hackathon is open to all full-time Microsoft employees and interns.

What are the requirements to participate in the hackathon?

As a HACKER you must have:

* Experience in Python

Good to have (This hackathon is an opportunity to learn the concepts below):

* Experience using Azure Blob Storage
* Experience in data exploration
* Experience visualizing data (any one of the following: Python, AML,  
  PowerBI, etc.)
* Experience building machine learning models and model explainability
* Knowledge of IoT Sensors data

As a PROCTOR, you must have:

* Expertise in Python
* Experience using Azure Blob Storage
* Experience in data exploration using visualization tools (e.g., Python, AML, and others)
* Experience building machine learning models and model explainability

Good to have:

* Knowledge of IoT Sensors data

How many people can be in a team and can people be on multiple teams?

MSUS Sustainability Smart Buildings Hackathon FAQs

You can have 1 – 5 people on a team. There is no hard and fast rule about the number of teams you can join, but we encourage you to focus your energies. You can also have a team of one. *Only one registration form per team required*.

Does participation in this hackathon count against CSA required technical training?

No, participation in this hackathon does not count against WW Learning training requirements. Your participation should be based on personal interest.

What are the technical scenarios covered in the hackathon challenges?

* Energy consumption/embodied carbon monitoring and reporting
* Facilities/equipment operating efficiency optimization
* Energy source optimization

What technologies will be used to complete the hackathon challenges?

Technologies will include:

* Python
* Azure Machine Learning Studio (Auto ML and Designer can also be used for this challenge but are not necessary)
* Jupyter notebooks

What do you receive when you complete the hackathon challenges?

You will be Microsoft Sustainability Smart Buildings badge certified and join the community of Microsoft Sustainability champions.

How soon will the participants get badged after the completion of challenges?

The participant will receive their badge as soon as the proctors review the solution and release the badge, usually within one week after the event.

Who will be evaluating the challenge proposals?

The proctor assigned to your group will be evaluating the solutions you submit and unlocking challenges to allow you to complete the open hackathon. You will not receive a badge certification unless you have completed all four challenges.

For additional questions, please contact [Contact name / email].