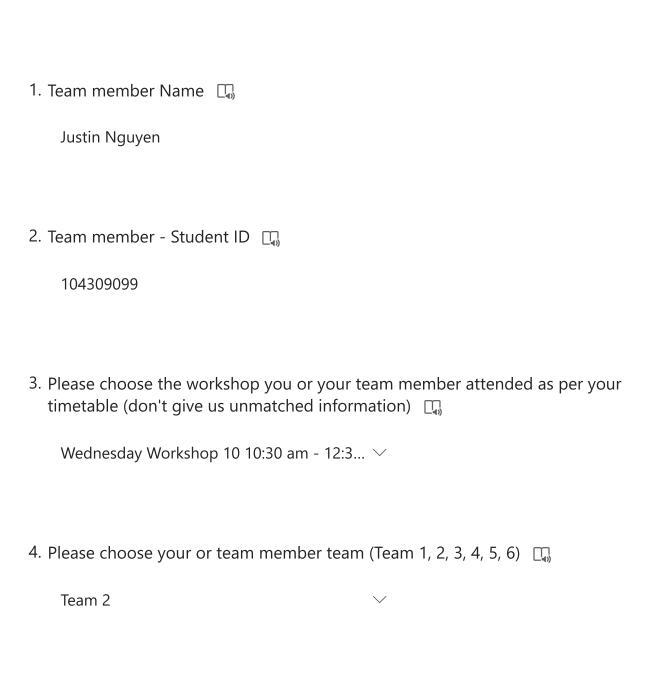
## Design Criteria for a design idea

The below design criteria are used by each team member to satisfy his/her design idea with a standard design criterion. Please use the below 7 design criteria's that your design idea should satisfy expected design criteria



5. Design Criteria 1 - Choose minimum 3 approaches (used in your design idea) \*

Analyse

		Reduce
		Eradicate
		Prevent
		Predict
6.		gn Criteria 2 - List 3 different technology for 3 different approaches in your gn idea (one technology for each approach) $* \square$
	Pre	alyse: The monitoring algorithm in the energy management system. event: The latest energy-saving technologies. edict: The machine learning algorithms.
7.	appr	gn Criteria 3 - List at least 2 or more different devices/tools for each roach in your design idea(at least 2 devices/tools for each approach, your gn should have 3 approaches) *
	tim wh Pre ha	alyse: Smart meters and the energy management system (EMS) provide real- ne information about energy consumption, allowing us to identify when and here the most energy is being used. event: maintenance tools for the system and the upgrade of both software and ordware components.
	Pre	edict: The devices used data analytics tools and learning machines.
8.		gn Criteria 4 - List 3 benefits and explain in a few words how your design is beneficial to the end user/community? * $\square$
	by Enc the Enc	st savings: Community members can significantly reduce their electricity bills generating their own electricity and using excess energy stored in the BESS. ergy independence: The community can become less reliant on the grid, giving em greater control over their energy supply and their expenditure. vironmental impact: Using renewable energy reduces greenhouse gas hissions and energy waste by storing excess energy for later use.

9.	Design Criteria 5 - List 3 Impacts and explain in a few words how your design idea is impacting the community $^*$ $\square$	า
	Improving infrastructure: As the community becomes more self-sufficient in terms of energy, many fields of the economy could be developed, like tourism, education, or service providers.  Energy awareness: Implementing this system could increase the awareness of energy consumption and conservation among the community.  Job creation: The installation and maintenance of the system could create new jobs, reduce the number of unemployed people in the community.	
10.	Design Criteria 6 - List 3 guiding principles and explain in a few words how y design idea will satisfy a particular guideline principle(Check your canvas we module for more information on 6 guiding principles) *	
	Access and Equity: The system provides all households in the community with access to a reliable power supply.  Health and Safety: The system improves public health and safety by using renewable energy, which helps improve air quality.  Affordability: The system can reduce electricity costs by using stored energy during peak demand times, making it an affordable solution for the community	<i>'</i> .
11.	Design Criteria 7 - List 2 constraints/challenges and explain in a few words h it is affecting the end user/community $*$	OW
	Initial investment: The upfront cost of installing the system can be high. However, the cost can be decreased over time through savings on electricity bills.  Technical knowledge: Operating and maintaining the system requires some level of technical knowledge, so training for the community is needed. Weather dependence: The energy received depends on the weather conditions and the time of year.  Battery lifespan: The periodic replacement of batteries in the BESS can be expensive.	

Nội dung này được tạo bởi chủ sở hữu của biểu mẫu. Dữ liệu bạn gửi sẽ được gửi đến chủ sở hữu biểu mẫu. Microsoft không chịu trách nhiệm về quyền riêng tư hoặc thực tiễn bảo mật của khách hàng, bao gồm cả các biện pháp bảo mật của chủ sở hữu biểu mẫu này. Không bao giờ đưa ra mật khẩu của bạn.

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