iGEM 2021 survey

The vision of the iGEM UNSW 2021 team is to protect and preserve coral reefs: the heart of our oceans. iGEM is a competition in which students create solutions to real-world problems using synthetic biology.

This survey aims to understand the opinions of the public towards both:

1.	Coral	h	leaching	ı
	COLGI	_	1000111119	ı

2	Genetic	anaina	orina t	مبرامه	00 40	hlose	shina ir	. +ha	Crost	Darriar	Doof
۷.	Geneuc	ename	erma u	u soive	COLO	Dieac	anna n	ı uıe	Great	Darrier	Keei

We appreciate your time in completing this 3 minute survey.

* Required
Demographic questions
1. What is your age group? *
○ 18 and under
O 19-24
O 25-34
35-44
Over 45
2. What is your gender? *
○ Female
○ Male
Prefer not to say
Other

3.	Wh	ere are you currently situated? *
	\bigcirc	New South Wales
	\bigcirc	Queensland
	\bigcirc	Victoria
	\bigcirc	ACT
	\bigcirc	Western Australia
	\bigcirc	South Australia
	\bigcirc	Northern Territory
	\bigcirc	Tasmania
	\bigcirc	International (outside of Australia)
4.	Wh	at is the highest degree or level of education you have completed? *
	\bigcirc	Less than a high school degree
	\bigcirc	High school
	\bigcirc	Bachelor's degree
	\bigcirc	Master's degree or above
	\bigcirc	TAFE or college
	\bigcirc	
		Other
5.	Are	you currently studying at university? *
	\bigcirc	Yes
	\bigcirc	No

6. Which faculty/les do you study in? *
Arts and Social Sciences
Business
Science
Engineering
Medicine
Law
Built Environment/Architecture/Design
7. What is your current employment status? *
Full-time (38+ hours per week)
Part-time (less than 38 hours per week)
Casual
○ Unemployed
○ Self-employed
8. Do you identify as Aboriginal and/or Torres Strait Islander? *
○ Yes
○ No
9. Please provide your email if you would like to go into the running to win 2 x \$50 evouchers for completing our survey:

Problem: Coral Bleaching

You may be asking: What is Coral Bleaching?

Corals are colourful because of a marine algae called zooxanthellae which lives within the coral and provides an easy food supply. This gives the corals energy and allows them to grow.

However, climate change has led to a rise in ocean temperatures, resulting in the coral getting stressed and expelling the algae. The coral dies and leaves behind a white skeleton, which has devastating impacts on the reef ecosystem - harming food sources and habitats.

10. Wh	at is your level of knowledge about coral bleaching? *
\bigcirc	Never heard
\bigcirc	Know but cannot describe in detail
\bigcirc	Understand and can describe it
\bigcirc	Understand, can discuss and contribute on issue
\bigcirc	Expert on the issue
	ere have you heard information about coral bleaching from? (multiple answers wed)
	Social media
	Websites
	Magazines / Newspapers
	Scientific articles
	TV
	Radio
	School / University
	Other

12. [Do you agree coral bleaching is a significant threat to our environment? *	
(Strongly agree	
(Agree	
(Neither agree nor disagree	
(○ Disagree	
(Strongly disagree	

Solution: Genetically engineering heat tolerant coral

How does the public feel about genetic engineering?

Our project is using genetic engineering techniques to increase the heat tolerance of coral to rising ocean temperatures and to prevent coral death.

Genetic engineering involves introducing new functions by deleting, switching or inserting a DNA sequence which permanently alters an organism's genetics and its offspring. It is difficult to predict how this engineering may affect ecosystems.

13. To what extent do you agree with the following statements: *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
I care about conserving the environment	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I support using genetic engineering to restore coral reefs		\bigcirc	\bigcirc	\bigcirc	\bigcirc
There are more benefits than risks of using genetic engineering		\bigcirc	\bigcirc	\bigcirc	\bigcirc
Genetic engineering is harmful for the environment		\bigcirc	\bigcirc	\bigcirc	\bigcirc
I am concerned about the potential long term risks of genetic engineering		\bigcirc			\bigcirc
Scientists can be trusted to develop this technology responsibly		\bigcirc	\bigcirc	\bigcirc	\bigcirc
The government can be trusted to approve and regulate the technology to ensure it is safe		\bigcirc		\bigcirc	\bigcirc

	ect 3 emotions below that best describe how you feel about using genetic ineering to prevent coral bleaching *
	Curious
	Hopeful
	Anger
	Confused
	Excited
	Fearful
	Interested
	Нарру
	Nervous
	Other
	Other
15. If y	ou foresee any safety risks or concerns with our solution, provide your feedback
15. If y	
	ou foresee any safety risks or concerns with our solution, provide your feedback

, <u>, , , , , , , , , , , , , , , , , , </u>	. the scientific techniques in the lab, environmental impacts, potential risks, ethics
Нο	w would you like to be engaged in the discussion about our project in the future
.110	w would you like to be engaged in the discussion about our project in the future
	Reading a Wiki page
	Report
	Social media posts and feedback
	Online seminar
	Infographic summarising our findings
	Written feedback
	Other
. Ple	ease provide any additional feedback / comments to guide our project.

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.

Microsoft Forms