AMITY UNIVERSITY MAHARASHTRA
Established vide Maharashtra Act No.13 of 2014, of Government of Maharashtra, and recognized under Section 2 (f) of UGC Act 1956.

Progress on SDG 17

Partnerships for the Goals

17.4.4 Sustainability literacy

Student sustainability knowledge assessment

Institutional quiz and assessment tool

Amity University Maharashtra

Mumbai - Pune Expressway, Bhatan, Somathne, Panvel,
Mumbai, Maharashtra 410206

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Indicator 17 4 4

University as a body measure the sustainability literacy of students.

Evidence overview

AUM publishes a student sustainability assessment tool that describes a conducted quiz, provides an online form link and presents a questionnaire with correct answers. This is directly relevant to measuring student sustainability literacy.

Reporting period

This report is organized for THE's 2025 reporting year. The accessible source text does not establish the quiz administration date or identify the year meant by its reference to a reporting period. The public record therefore supports the existence of an assessment activity; a dated administration record is needed to demonstrate delivery during 2025.

Student assessment tool and source record

Item	Documented detail
Institution	Amity University Maharashtra
Published record	Assessment Tool for Assessing Sustainability Literacy and Knowledge of All Students
Assessment format	Quiz with questionnaire and correct answers
Quiz form	https://forms.office.com/r/fnw5YFBPDR

Purpose and content

The record states that the quiz assessed students' sustainability knowledge and that analysis was undertaken for a reporting period. Its visible questions include freshwater use and the environmental and social costs of everyday products. These topics demonstrate assessment content relevant to sustainability.

Evidence of measurement

A questionnaire and answer key provide an assessment instrument. The institutional statement supports reported administration.

OUTCOME REPORT

of

Assessing Sustainability Literacy and Knowledge of all Students at Amity University Maharashtra

by

(Institution/ Department: Amity institute of Information Technology)

Of

(Amity University Maharashtra)

General Information :

Date of Event : 7th April 2025
Venue : Online – Microsoft Office Forms
Organized by : Amity Institute of Information Technology (AIIT)
Total Participation : 1080
Moderator(s) : Dr. Manoj Devare, Professor & HOI AIIT
(Director- Accreditation and Ranking – Amity University Maharashtra)
Event Coordinator : Dr. Manoj Devare, Professor & HOI AIIT

Details of Expert/Speaker/Resource Person/Judge:

Country Name: India
Expert Name: Prof. Dr. A W Santhosh Kumar
Organization: Amity University Maharashtra
Designation: Honorable Vice Chancellor, Amity University Maharashtra
Specialization: Bio-Technology

Point wise Outcome Report:

1) What was the Inspiration behind taking up this Particular Subject for the Webinar ?

The QS Sustainability Ranking is to assess and recognize universities' contributions toward building a more sustainable future. Sustainability literacy is crucial for students. Students will face complex global issues like climate change, resource scarcity, and social inequality. Sustainability literacy gives them the knowledge and skills to navigate and address these challenges. Many industries now prioritize sustainability. Employers seek graduates who understand environmental, social, and economic impacts, making sustainability-literate students more competitive in the job market. Understanding sus-

tainability helps students become informed citizens who can make ethical choices that benefit society and the planet.

2) Who were the Distinguished Guest Speakers Invited for the Event. Kindly give their Names. Designations, Organisation, Qualifications, Area of Expertise and any Honours and Awards received by them.

No external guest is invited. The event is organized to evaluate the sustainability awareness of the students. In continuation of this, the 17 Sustainable Development Goals and the net zero targets for the carbon emission.

3) What was the Criteria Considered for inviting the Various Individual Guests, Internal as well as External?

The external guests were not invited. The questions for the quiz were prepared to cover all sustainable Development Goals.

4) Were the guests in advance and if yes, from what previous interaction? Were the guests recommended by someone. If yes, who ?

The quiz is prepared as the Multiple-Choice Questions aligning with the QS Ranking. he QS Sustainability Ranking is a ranking published by QS (Quacquarelli Symonds) that evaluates universities worldwide based on their sustainability performance. It focuses on how universities address environmental, social, and governance (ESG) issues

5) Who all attended the Webinar? Also, if possible, give the numbers.

All the students of UG and PG students of Amity University Maharashtra have attended the Online Quiz. There were total 1080 students of AUM attended the quiz.

6) What were the 'Take Homes' for the Guests and the Attendees in the form of knowledge, facts, information etc.? Please give the Salient Novel Points Covered by the Guest Speakers, in Bullet Points Format.

Students are increasingly concerned about sustainability and want to attend institutions that reflect their values. It encourages university students to be more transparent and proactive about their role in achieving a sustainable future.

7) Has the Webinar been able to generate any Tangible Gains for the Faculty, Researchers and Students of Amity. If yes, what are these?

How well the university students managing its environmental footprint (energy, waste, carbon emissions, sustainable policies). Deciding the research related to environmental sustainability. Deciding the Social Impact through the equality, diversity, community engagement, and access to education. Students can decide the health and well-being initiatives.

8) What are the 'Progressive Outcomes /Way Forward' planned, based on the event of the webinar. Please give them pointwise, with timelines and names of the persons responsible for their execution.

Under the guidance of the Honourable Vice Chancellor Prof. Dr. A W Santhosh Kumar Sir, the dedicated training on the Sustainability will be organized in the future for the students and the faculty members at the University.

9) Have we Followed Up with the Guests to consider Various Collaborations such as Joint Research Papers and Publications; Joint Funded Projects; Student Internships and Placements; Participation in National/ International Seminars/Conferences, /Workshops ; Student/Faculty Exchange Programmes; Post Doctorate tie ups ; etc.

Further events and activities related to the sustainability and Sustainable Development Goals will be organized.

10) What are the plans for utilizing the contacts developed with the Invited Guests, for future co-operation to meet the targets of 'Mission: Connect' and Mission: Synergy of Brains? Please give a roadmap with timelines.

The external guests were not invited. The online quiz was organized to spread awareness about the Sustainable Development Goals.

4/27/25, 7:05 PM Email - Dr. Manoj H Devare - Outlook

Outlook

Sustainability Literacy Assessment Quiz - AUM Students (Deadline : 3.00 pm -7 April 2025)

From Dr. Manoj H Devare <mhdevare@mum.amity.edu>
Date Mon 07/04/2025 9:10 AM
To AUM Academic Coordinators <aumacademiccoordinators@amity.edu>
Cc AUM HOIS <aumhois@amity.edu>; AUM Faculty <aumfaculty@amity.edu>; Vice Chancellor, AUM <vcaum@mum.amity.edu>; VC- Office <vcoffice@mum.amity.edu>; deanIQAC <deaniqac@mum.amity.edu>; Registrar, AUM <registraraum@mum.amity.edu>

Dear All,

Greetings.

As per the instructions from Honorable Vice Chancellor Sir,
you are requested to Send the following link to all students and make sure that,
all students have attended the Sustainability Literacy Assessment Quiz
by 3.00pm today, 7th April 2025.

URL For Students :

https://forms.office.com/r/fnw5YFBPDR

All Academic Coordinators are requested to make sure that all students have attended this quiz.

Thanks and Regards,

Dr. M H Devare
Professor & HOI AIIT-AUM.
Director Accreditation and Ranking
Post-Doc, University of Calabria, Italy.
Associate Editor, IJCINI (WoS-ESCI, SCOPUS Indexed Journal).
https://www.linkedin.com/in/drmanojdevare/

Vision AIIT: *To Promote Computer Science and Information Technology innovation-centric education and generate new knowledge using cutting-edge research.*
Mission AIIT: *Develop human resources with sound knowledge in theory and practice of Computer Science and Information Technology using the systematic approach of Curriculum Enrichment, Industry-academia collaboration, Entrepreneurship, and Research.*

Assessment Tool for Assessing Sustainability Literacy and Knowledge of All Students of AUM

The quiz was conducted to Assess the Student's literacy and knowledge about the Sustainability. The following questionnaires were used for evaluation of sustainability. The analysis of the same is done for the reporting period.

URL : Quiz Form - A Tool for Sustainability Literacy and Knowledge	
https://forms.office.com/r/fnw5YFBPDR	

Questionnaire and Correct Answers

1. Which of the following statements about water is true?

   a. Globally, water for personal use such as washing dishes, doing laundry, and bathing is the major user of water resources.
   b. Globally, freshwater reserves (aquifers) are used faster than they are replenished.
   c. Floods and severe weather will increase the availability of clean drinking water.
   d. Because water is a free and abundant resource, it is not a major concern for most countries.
   e. Don't know

2. Imagine that we had to pay for all the costs associated with the goods we use every day.

   What would go into calculating the true costs of a product?
   a. The cost of raw materials to make the product
   b. The cost of environmental damage caused by production
   c. The coast of health care for employees who manufacture the product
   d. All of the above

3. Put the following list in order of the activities with the largest environmental impact to those with the smallest environmental impact:

   A. Keeping a cell phone charger plugged into an electrical outlet for 12 hours
   B. Producing one McDonald's quarter-pound hamburger

C. Producing one McDonald's chicken sandwich
D. Flying in a commercial airplane from Washington D.C. to China

a. A, C, B, D
b. D, A, B, C
c. D, C, B, A
d. D, B, C, A
e. Don't know

4. Using resources, like fossil fuels, can create economic growth. However, future generations may be disadvantaged if the current generation overuses these resources. Which of the following principles can we follow if we do not want to disadvantage the next generation?

a. Renewable resources such as fish, soil, and groundwater must be used no faster than the rate at which they regenerate.
b. Non-renewable resources such as minerals and fossil fuels must be used up quickly to encourage the development of renewable substitutes.
c. Pollution must be emitted at current levels so that natural systems can maintain the ability to absorb them, recycle them, or render them harmless
d. None of the above are true
e. Don't know

5. What factors influence the human population's impact on Earth?

A. Size of the population
B. Amount of materials used per person
C. Use of technology that lessens our impact

a. A, B, and C
b. A and B, but not C
c. B and C, but not A
d. A, but not B or C
e. Don't know

6. Of the following, which would be considered living in the most environmentally sustainable way?

a. Recycling all recyclable packaging
b. Reducing consumption of all products
c. Buying products labelled "eco" or "green"
d. Buying the newest products available
e. Don't know

7. Which of the following is the best example of environmental justice?

a. Urban citizens win a bill to have toxic wastes taken to rural communities
b. The government dams a river, flooding Native American tribal lands to create hydro-power for large cities

c. All stakeholders from an indigenous community are involved in setting a quota for the amount of wood they can take form a protected forest next to their village
d. Multi-national corporations build factories in developing countries where environmental laws are less strict.
e. Don't know

8. The most significant driver in the loss of species and ecosystems around the world is...

a. Overhunting/overharvesting
b. Conversion of natural spaces into human developments (farmland, cities, etc.)
c. Acid rain
d. Breeding of animals in zoos
e. Don't know

9. What are the potential effects of global climate change?

a. Loss of habitats
b. Less severe weather
c. Loss of ozone layer
d. Decrease in sea level
e. Don't know

10. Which of the following is a leading cause of the depletion of fish stocks in the Atlantic Ocean?

a. Fishermen seeking to maximize their catch
b. Reduced fish fertility due to genetic hybridization
c. Ocean pollution
d. Global climate change
e. Don't know

11. Which of the following countries has now passed the U.S. as the biggest emitter of the greenhouse gas carbon dioxide?

a. China
b. Sweden
c. Brazil
d. Japan
e. Don't know

12. Which of the following is the most commonly used definition of sustainable development?

a. Creating a government welfare system that ensures universal access to education, healthcare, and social services
b. Setting aside resources for preservation, never to be used
c. Meeting the needs of the present without compromising the ability of future generations to meet their own needs
d. Building a neighbourhood that is both socio-demographically and economically diverse
e. Don't know

13. Which of the following is an example of sustainable forest management?

a. Setting aside forests to be off limits to the public
b. Never harvesting more than what the forest produces in new growth
c. Producing lumber for nearby communities to build affordable housing
d. Putting the local communities in charge of forest resources
e. Don't know

14. What is the primary benefit of wetlands?

a. Promote flooding
b. Clean the water before it enters lakes, streams, rivers, or oceans
c. Keep the number of undesirable plants and animals low
d. Provide good sites for landfills
e. Don't know

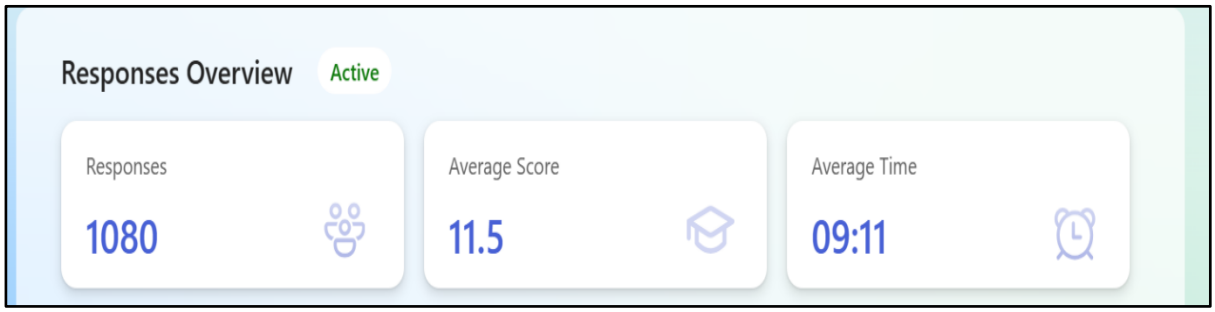
15. Ozone forms a protective layer in the earth's upper atmosphere. What does ozone protect us from?

a. Acid rain
b. Climate change
c. Sudden changes in temperature
d. Harmful UV rays
e. Don't know

16. What is the most common cause of pollution of streams and rivers?

a. Dumping of garbage by cities
b. Surface water running off yards, city streets, paved lots, and farm fields
c. Litter near streams and rivers
d. Waste dumped by factories
e. Don't know

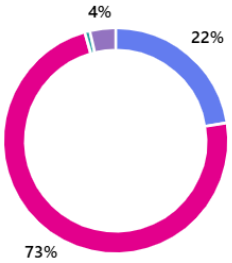
Analysis of the Responses received from the Students:



4. Which of the following statements about water is true? (1 point) More details

73% of respondents answered this question correctly.

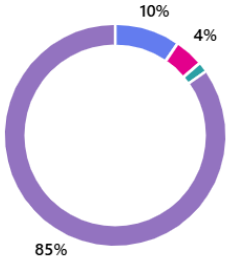
Globally, water for personal use such as washing dishes, doing laundry, and bathing is the major user...	243
Globally, freshwater reserves (aquifers) are used faster than they are replenished.	791 ✓
Floods and severe weather will increase the availability of clean drinking water.	8
Because water is a free and abundant resource, it is not a major concern for most countries.	40



5. Imagine that we had to pay for all the costs associated with the goods we use every day. What would go into calculating the true costs of a product? (1 point) More details

85% of respondents answered this question correctly.

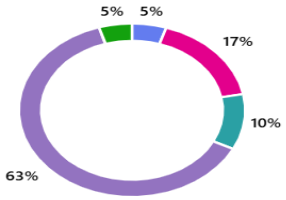
The cost of raw materials to make the product	103
The cost of environmental damage caused by production	46
The coast of health care for employees who manufacture the product	16
d. All of the above	918 ✓



6. Put the following list in order of the activities with the largest environmental impact to those with the smallest environmental impact:
A. Keeping a cell phone charger plugged into an electrical outlet for 12 hours
B. Producing one McDonald's quarter-pound hamburger
C. Producing one McDonald's chicken sandwich
D. Flying in a commercial airplane from Washington D.C. to China (1 point) More details

63% of respondents answered this question correctly.

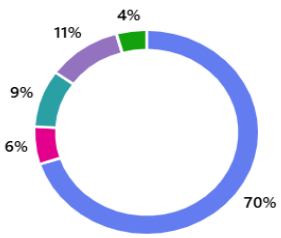
A, C, B, D	53
D, A, B, C	185
D, C, B, A	112
D, B, C, A	680 ✓
Don't know	51



7. Using resources, like fossil fuels, can create economic growth. However, future generations may be disadvantaged if the current generation overuses these resources. Which of the following principles can we follow if we do not want to disadvantage the next generation? (1 point) More details

70% of respondents answered this question correctly.

Renewable resources such as fish, soil, and groundwater must be used no faster than the rate a...	758 ✓
on-renewable resources such as minerals and fossil fuels must be used up quickly to encourage the...	64
Pollution must be emitted at current levels so that natural systems can maintain the ability to absorb...	98
None of the above are true	116
e. Don't know	47

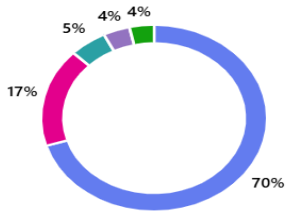


8. 6. What factors influence the human population's impact on Earth?
A. Size of the population
B. Amount of materials used per person
C. Use of technology that lessens our impact (1 point)

More details

70% of respondents answered this question correctly.

A, B, and C	759	✓
A and B, but not C	185	
B and C, but not A	58	
A, but not B or C	41	
Don't know	38	

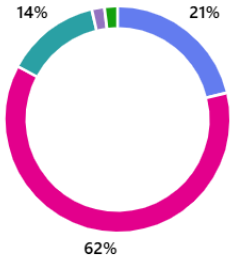


9. Of the following, which would be considered living in the most environmentally sustainable way? (1 point)

More details

62% of respondents answered this question correctly.

Recycling all recyclable packaging	230	
Reducing consumption of all products	668	✓
Buying products labelled "eco" or "green"	147	
Buying the newest products available	20	
Don't know	20	

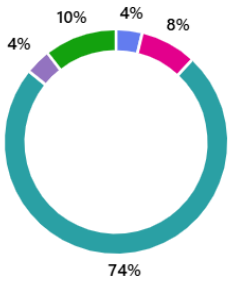


10. Which of the following is the best example of environmental justice? (1 point)

More details

74% of respondents answered this question correctly.

Urban citizens win a bill to have toxic wastes taken to rural communities	41	
The government dams a river, flooding Native American tribal lands to create hydro-power for lar...	88	
All stakeholders from an indigenous community are involved in setting a quota for the amount of wood...	799	✓
Multi-national corporations build factories in developing countries where environmental laws are...	40	
Don't know	113	

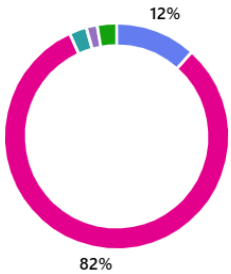


11. The most significant driver in the loss of species and ecosystems around the world is... (1 point)

More details

82% of respondents answered this question correctly.

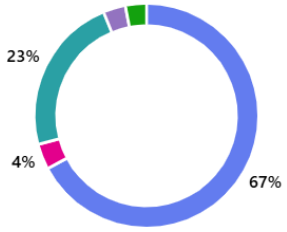
Overhunting/overharvesting	126	
Conversion of natural spaces into human developments (farmland, cities, etc.)	884	✓
Acid rain	27	
Breeding of animals in zoos	17	
Don't know	30	



12. What are the potential effects of global climate change? (1 point) More details

67% of respondents answered this question correctly.

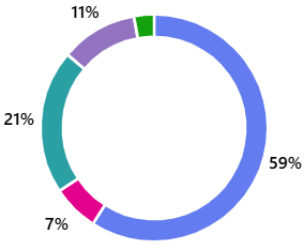
Loss of habitats	730 ✓
Less severe weather	40
Loss of ozone layer	248
Decrease in sea level	35
Don't know	33



13. Which of the following is a leading cause of the depletion of fish stocks in the Atlantic Ocean? (1 point) More details

59% of respondents answered this question correctly.

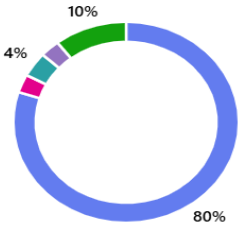
Fishermen seeking to maximize their catch	642 ✓
Reduced fish fertility due to genetic hybridization	72
Ocean pollution	223
Global climate change	119
Don't know	31



14. Which of the following countries has now passed the U.S. as the biggest emitter of the greenhouse gas carbon dioxide? (1 point) More details

80% of respondents answered this question correctly.

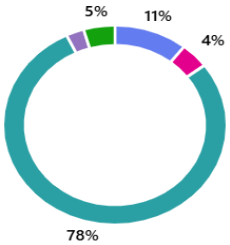
China	868 ✓
Sweden	32
Brazil	43
Japan	31
Don't know	113



15. Which of the following is the most commonly used definition of sustainable development? (1 point) More details

78% of respondents answered this question correctly.

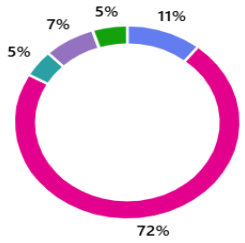
Creating a government welfare system that ensures universal access to education, healthcare, and social...	115
Setting aside resources for preservation, never to be used	45
Meeting the needs of the present without compromising the ability of future generations to...	847 ✓
Building a neighbourhood that is both socio-demographically and economically diverse	28
Don't know	49



16. Which of the following is an example of sustainable forest management? (1 point) More details

72% of respondents answered this question correctly.

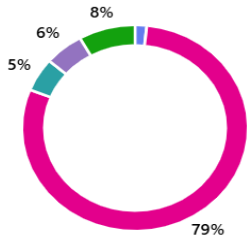
Setting aside forests to be off limits to the public	117
Never harvesting more than what the forest produces in new growth ✓	788
Producing lumber for nearby communities to build affordable housing	49
Putting the local communities in charge of forest resources	80
Don't know	54



17. What is the primary benefit of wetlands? (1 point) More details

79% of respondents answered this question correctly.

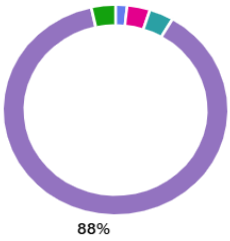
Promote flooding	18
Clean the water before it enters lakes, streams, rivers, or oceans ✓	864
Keep the number of undesirable plants and animals low	57
Provide good sites for landfills	61
Don't know	88



18. Ozone forms a protective layer in the earth's upper atmosphere. What does ozone protect us from? (1 point) More details

88% of respondents answered this question correctly.

Acid rain	18
Climate change	36
Sudden changes in temperature	38
Harmful UV rays ✓	965
Don't know	38



19. What is the most common cause of pollution of streams and rivers? (1 point) More details

59% of respondents answered this question correctly.

Dumping of garbage by cities	117
Surface water running off yards, city streets, paved lots, and farm fields ✓	644
Litter near streams and rivers	36
Waste dumped by factories	269
Don't know	29

