

# Questionnaire Data

## University Profile

Username : umt.edu.my  
 University Name : Universiti Malaysia Terengganu (UMT)  
 University Leader : Professor Dr. Mazlan Abd Ghaffar

## PIC Profile

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Setting and Infrastructure		
Question	Answer	
1.1()	Type of higher education institution	<input type="radio"/> Comprehensive <input checked="" type="radio"/> Specialized higher education institution
1.2()	Climate	<input type="radio"/> Tropical Wet <input checked="" type="radio"/> Tropical Wet and Dry <input type="radio"/> Semiarid <input type="radio"/> Arid <input type="radio"/> Mediterranean <input type="radio"/> Humid Subtropical <input type="radio"/> Marine west coast / Oceanic Climate <input type="radio"/> Humid Continental <input type="radio"/> Subartic
1.3()	Number of campus site	6
1.4()	Campus setting	<input type="radio"/> Rural <input type="radio"/> Suburban <input checked="" type="radio"/> Urban <input type="radio"/> In city center <input type="radio"/> High rise building
1.5()	Total campus area (m <sup>2</sup> )	3559325
1.6()	Total campus ground floor area of buildings (m <sup>2</sup> )	130080
1.7()	Total campus buildings area (m <sup>2</sup> )	265335
1.8(SI.1)	The ratio of open space to total area.	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 80% <input type="radio"/> > 80 - 90% <input type="radio"/> > 90 - 95% <input checked="" type="radio"/> > 95%
1.9(SI.2)	Total area on campus covered in forest vegetation (please provide total area in square meters)	<input type="radio"/> <= 2% <input type="radio"/> > 2 - 9% <input type="radio"/> > 9 - 22% <input type="radio"/> > 22 - 35% <input checked="" type="radio"/> > 35%: <b>2917711m<sup>2</sup> m<sup>2</sup></b>
1.10(SI.3)	Total area on campus covered in planted vegetation (please provide total area in square meters)	<input checked="" type="radio"/> <= 10%: <b>443006 m<sup>2</sup></b> <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30 - 40% <input type="radio"/> > 40%
1.11(SI.4)	Total area on campus for water absorption besides forest and planted vegetation (please provide total area in square meters)	<input checked="" type="radio"/> <= 2%: <b>31744 m<sup>2</sup></b> <input type="radio"/> > 2 - 10% <input type="radio"/> > 10 - 20% <input type="radio"/> > 20 - 30% <input type="radio"/> > 30%
1.12()	Total number of regular students (part time and full time)	10068
1.13()	Total number of online students (part time and full time)	4313
1.14()	Total number of academic and administrative staff	1793
1.15()	Estimated total population in campus during pandemic	3558

1.16(SI.5)	The total open space area divided by total campus population.	<input type="radio"/> <= 10 m <sup>2</sup> / person <input type="radio"/> > 10 – 20 m <sup>2</sup> / person <input type="radio"/> > 20 – 40 m <sup>2</sup> / person <input type="radio"/> > 40 – 70 m <sup>2</sup> / person <input checked="" type="radio"/> > 70 m <sup>2</sup> / person
1.17()	Total university's budget (in US Dollars)	52599502.49
1.18()	University's budget for sustainability effort (in US Dollars)	11741755.78
1.19(SI.6)	Percentage of University's budget for sustainability effort	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input type="radio"/> > 10 - 15% <input checked="" type="radio"/> > 15%
1.20(SI.7)	Percentage of Operation and Maintenance activities during Covid-19 pandemic	<input type="radio"/> < 25% <input checked="" type="radio"/> > 25 - 50% <input type="radio"/> >50 - 75% <input type="radio"/> >75-99% <input type="radio"/> 100%
1.21(SI.8)	Campus facilities for disable and maternity care	<input type="radio"/> None <input type="radio"/> Policy is inplace <input type="radio"/> Planning stage <input type="radio"/> Implemented stage <input checked="" type="radio"/> Facilities available
1.22(SI.9)	Security and safety facilities	<input type="radio"/> Passive security system <input type="radio"/> Security infrastructure (CCTV, panic button) available <input type="radio"/> Security infrastructure (CCTV, panic button, personel, fire extinguisher, hydrant) available <input type="radio"/> Security infrastructure available and security responding time for accident, crime, fire and natural dissaster more than 10 minutes <input checked="" type="radio"/> Security infrastructure available and security responding time for accident, crime, fire and natural dissaster less than 10 minutes
1.23(SI.10)	Health infrastructure facilities for students and academic and administrative staff wellbeing	<input type="radio"/> Health infrastructure in preparation (first aid) <input type="radio"/> Health infrastructure (first aid, emergency room, clinic and personel ) available <input type="radio"/> Health infrastructure (first aid, emergency room, clinic and certified personel) available <input type="radio"/> Health infrastructure (first aid, emergency room, clinic, hospital and certified personel) available <input checked="" type="radio"/> Health infrastructure available (first aid, emergency room, clinic,hospital and certified personel), system and accessible for public
1.24(SI.11)	Conservation: plant, animal and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities	<input type="radio"/> Conservation program in preparation <input type="radio"/> Conservation program 1-25% implemented <input type="radio"/> Conservation program 25-50% implemented <input type="radio"/> Conservation program 50-75% implemented <input checked="" type="radio"/> Conservation program fully implemented

### Energy and Climate Change

Question		Answer
2.1(EC.1)	Energy efficient appliances usage	<input type="radio"/> < 1% <input type="radio"/> 1 - 25% <input type="radio"/> > 25 - 50% <input checked="" type="radio"/> > 50 - 75% <input type="radio"/> > 75%
2.2()	Total campus smart building area (m <sup>2</sup> )	199888
2.3(EC.2)	Smart Building implementation (percentage of the total floor area of smart building to the total all floors building area (smart and non-smart buildings area).	<input type="radio"/> < 1% <input type="radio"/> 1% - 25% <input type="radio"/> > 25% - 50% <input type="radio"/> > 50% - 75% <input checked="" type="radio"/> > 75%
2.4(EC.3)	Number of renewable energy sources in campus (solar power, bio diesel, wind power, etc)	<input type="radio"/> None <input type="radio"/> 1 source <input checked="" type="radio"/> 2 sources <input type="radio"/> 3 sources <input type="radio"/> > 3 sources

2.5()	Please specify renewable energy sources in campus and provide capacity produced in kilowatt hour	<input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Bio Diesel: <b>5kw hours kWh</b> <input type="checkbox"/> Clean Biomass <input checked="" type="checkbox"/> Solar Power: <b>3056kw hours kWh</b> <input type="checkbox"/> Wind Power <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydropower <input type="checkbox"/> Combine Heat and Power
2.6()	Electricity usage per year (in kilo watt hour)	11460879
2.7(EC.4)	The total electricity usage divided by total campus population (kWh per person). Formula: (2.6) / (1.15)	<input checked="" type="radio"/> $\geq 2424$ kWh <input type="radio"/> $> 1535 - 2423$ kWh <input type="radio"/> $> 633 - 1535$ kWh <input type="radio"/> $279 - 633$ kWh <input type="radio"/> $< 279$ kWh
2.8(EC.5)	The ratio of renewable energy production divided by total energy usage per year	<input checked="" type="radio"/> $\leq 0.5\%$ <input type="radio"/> $> 0.5 - 1\%$ <input type="radio"/> $> 1 - 2\%$ <input type="radio"/> $> 2 - 25\%$ <input type="radio"/> $> 25\%$
2.9(EC.6)	Elements of green building implementation as reflected in all construction and renovation policies	<input type="radio"/> None <input type="radio"/> 1 element <input type="radio"/> 2 elements <input type="radio"/> 3 elements <input checked="" type="radio"/> $> 3$ elements
2.10(EC.7)	Greenhouse gas emission reduction program	<input type="radio"/> None (reduction program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Program(s) aims to reduce one out of three scopes emissions (Scope 1 or 2 or 3) <input checked="" type="radio"/> Program(s) aims to reduce two out of three scopes emissions (Scope 1 and 2 or Scope 1 and 3 or Scope 2 and 3) <input type="radio"/> Program(s) aims to reduce all three scopes emissions (Scope 1, 2 and 3)
2.11()	Please provide the total carbon footprint (CO <sub>2</sub> emission in the last 12 months, in metric tons)	10047.14
2.12(EC.8)	The total carbon footprint divided by total campus population (metric tons per person). Formula: (2.11)/(1.15)	<input checked="" type="radio"/> $\geq 2.05$ metric ton <input type="radio"/> $> 1.11 - 2.05$ metric ton <input type="radio"/> $> 0.42 - 1.11$ metric ton <input type="radio"/> $> 0.10 - 0.42$ metric ton <input type="radio"/> $< 0.10$ metric ton
2.13(EC.9)	Number of innovative program(s) during covid-19 pandemic	<input type="radio"/> None <input type="radio"/> 1 program <input type="radio"/> 2 programs <input type="radio"/> 3 programs. <input checked="" type="radio"/> More than 3 programs
2.14(EC.10)	Impactful university program(s) on climate change	<input type="radio"/> None <input type="radio"/> Program in preparation <input type="radio"/> Provide training and educational materials for surrounding communities <input type="radio"/> Provide training and educational materials for surrounding communities and at national level <input checked="" type="radio"/> Provide training and educational materials for surrounding communities, at national level, and at regional and international level
<b>Waste</b>		
Question		Answer
3.1(WS.1)	Recycling program for university waste	<input type="radio"/> Not Applicable <input type="radio"/> Partial (1% - 25% of waste) <input checked="" type="radio"/> Partial ( $> 25\% - 50\%$ of waste) <input type="radio"/> Partial ( $> 50\% - 75\%$ of waste) <input type="radio"/> Extensive ( $> 75\%$ waste)
3.2(WS.2)	Program to reduce the use of paper and plastic on campus	<input type="radio"/> Not applicable. If there is no program in your university. <input type="radio"/> 1 program <input type="radio"/> 2 programs <input type="radio"/> 3 programs <input checked="" type="radio"/> more than 3 programs

3.3(W.S.3)	Organic waste treatment	<input type="radio"/> Open dumping <input type="radio"/> Partial (1% - 25% of treated) <input checked="" type="radio"/> Partial (> 25% - 50% of treated) <input type="radio"/> Partial (> 50% - 75% of treated) <input type="radio"/> Extensive (> 75% treated)
3.4(W.S.4)	Inorganic waste treatment	<input type="radio"/> Burned in the open <input type="radio"/> Partial (1% - 25% of treated) <input checked="" type="radio"/> Partial (> 25% - 50% of treated) <input type="radio"/> Partial (> 50% - 75% of treated) <input type="radio"/> Extensive (> 75% treated)
3.5(W.S.5)	Toxic waste treatment	<input type="radio"/> Not Managed <input type="radio"/> Partial (1% - 25% of treated) <input type="radio"/> Partial (> 25% - 50% of treated) <input type="radio"/> Partial (> 50% - 75% of treated) <input checked="" type="radio"/> Extensive (> 75% treated)
3.6(W.S.6)	Sewage disposal	<input type="radio"/> Untreated to waterways <input checked="" type="radio"/> Treated conventionally <input type="radio"/> Treated technically for reuse <input type="radio"/> Treatment for down cycling <input type="radio"/> Treatment for up cycling

### Water

Question		Answer
4.1(WR.1)	Water conservation program and implementation	<input type="radio"/> None (Conservation program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% implemented at early stage (e.g. measurement of potential surface runoff volume) <input checked="" type="radio"/> > 25 - 50% water conserved <input type="radio"/> > 50% water conserved
4.2(WR.2)	Water recycling program implementation	<input type="radio"/> None (Water recycling program is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% Implemented at early stage (e.g. measurement of waste water) <input checked="" type="radio"/> > 25 - 50% water recycled <input type="radio"/> > 50% water recycled
4.3(WR.3)	Water efficient appliance usage	<input type="radio"/> None (Water efficient appliances is needed, but nothing has been done) <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> 1 - 25% of water efficient appliances installed <input type="radio"/> > 25 - 50% of water efficient appliances installed <input checked="" type="radio"/> > 50% of water efficient appliances installed
4.4(WR.4)	Treated water consumed	<input type="radio"/> None <input type="radio"/> 1% - 25% treated water consumed <input type="radio"/> > 25% - 50% treated water consumed <input type="radio"/> > 50% - 75% treated water consumed <input checked="" type="radio"/> > 75% treated water consumed
4.5(WR.5)	Percentage of additional hand washing and sanitation facilities during pandemic	<input type="radio"/> None <input type="radio"/> 1 - 25% of total number of bulding <input type="radio"/> > 25 - 50% of total number of bulding <input type="radio"/> > 50 - 75% of total number of bulding <input checked="" type="radio"/> > 75% of total number of bulding

### Transportation

Question		Answer
5.1()	Number of cars actively used and managed by University	80
5.2()	Number of cars entering the university daily	394
5.3()	Number of motorcycles entering the university daily	262
5.4(TR.1)	The total number of vehicles (cars and motorcycles) divided by total campus population. Formula: $(5.1+5.2+5.3)/(1.15)$	<input type="radio"/> $\geq 1$ <input type="radio"/> > 0.5 - 1 <input checked="" type="radio"/> > 0.125 - 0.5 <input type="radio"/> > 0.045 - 0.125 <input type="radio"/> < 0.045

5.5(TR.2)	Shuttle service	<input type="radio"/> Shuttle service is possible but not provided by university <input checked="" type="radio"/> Shuttle service is provided (by university or other parties) and regular but not free <input type="radio"/> Shuttle service is provided (by university or other parties) and the university contributes a part of the cost. <input type="radio"/> Shuttle service is provided by university, regular, and free <input type="radio"/> Shuttle service is provided by university, regular, and environment friendly. Or shuttle use is not possible (not applicable)
5.6()	Number of shuttles operated in your university	2
5.7()	Average number of passengers of each shuttle	12
5.8()	Total trips of shuttle services each day	5
5.9(TR.3)	Zero Emission Vehicles (ZEV) policy on campus	<input type="radio"/> Zero Emission Vehicles are not available <input type="radio"/> Zero Emission Vehicles use is not possible or practical <input type="radio"/> Zero Emission Vehicles are available, but not provided by university <input type="radio"/> Zero Emission Vehicles are available, and provided by university and charged <input checked="" type="radio"/> Zero Emission Vehicles are available, and provided by university for free
5.10()	Average number of Zero Emission Vehicles (e.g. bicycles, cano, snowboard, electric car, etc.) on campus per day	300
5.11(TR.4)	The total number of Zero Emission Vehicles (ZEV) divided by total campus population. Formula: (5.10)/(1.15)	<input type="radio"/> <= 0.002 <input type="radio"/> > 0.002 - 0.004 <input type="radio"/> > 0.004 - 0.008 <input type="radio"/> > 0.008 - 0.02 <input checked="" type="radio"/> > 0.02
5.12()	Total ground parking area (m <sup>2</sup> )	56450
5.13(TR.5)	Ratio of parking area to total campus area. Formula: ((5.12/1.5) x 100%)	<input type="radio"/> > 11% <input type="radio"/> > 7 - 11% <input type="radio"/> > 4 - 7% <input checked="" type="radio"/> > 1 - 4% <input type="radio"/> < 1%
5.14(TR.6)	Transportation program designed to limit or decrease the parking area on campus for the last 3 years (from 2018 to 2020)	<input type="radio"/> None <input type="radio"/> Program in preparation (e.g. feasibility study and promotion) <input type="radio"/> Less than 10% decrease <input type="radio"/> Between 10% - 30% decrease <input checked="" type="radio"/> Program resulting in more than 30% decrease in parking area or parking area reduction has reaches its limit.
5.15(TR.7)	Number of transportation initiatives to decrease private vehicles on campus (e.g. car sharing, charging high parking fees, metro / tram / bus services and etc)	<input type="radio"/> No initiative <input type="radio"/> 1 initiative <input type="radio"/> 2 initiatives <input type="radio"/> 3 initiatives <input checked="" type="radio"/> > 3 initiatives, or initiative no longer required
5.16(TR.8)	Pedestrian path on campus	<input type="radio"/> None <input type="radio"/> Pedestrian paths are available <input type="radio"/> Pedestrian paths are available, and design for safety <input type="radio"/> Pedestrian paths are available, designed for safety and convenience <input checked="" type="radio"/> Pedestrian paths are available, designed for safety, convenience, and in some parts provided with disabled-friendly features
5.17()	Approximate daily travel distance of a vehicle inside campus only (in Kilometers)	2
<b>Education and Research</b>		
Question		Answer
6.1()	Number of courses/subjects related to sustainability offered	204
6.2()	Total number of courses/subjects offered	1101

6.3(ED.1)	The ratio of sustainability courses to total courses/subjects	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 5% <input type="radio"/> > 5 - 10% <input checked="" type="radio"/> > 10 - 20% <input type="radio"/> > 20%
6.4()	Total research funds dedicated to sustainability research (in US Dollars) (average per annum over the last 3 years).	3988488
6.5()	Total research funds (in US Dollars) (average per annum over the last 3 years).	5293698
6.6(ED.2)	The ratio of sustainability research funding to total research funding	<input type="radio"/> <= 1% <input type="radio"/> > 1 - 8% <input type="radio"/> > 8 - 20% <input type="radio"/> > 20 - 40% <input checked="" type="radio"/> > 40%
6.7(ED.3)	Number of scholarly publications on sustainability published. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 20 <input type="radio"/> 21 - 83 <input type="radio"/> 84 - 300 <input checked="" type="radio"/> > 300
6.8(ED.4)	Number of events related to sustainability. (average annually for the past 3 years)	<input type="radio"/> 0 <input type="radio"/> 1 - 4 <input type="radio"/> 5 - 17 <input type="radio"/> 18 - 47 <input checked="" type="radio"/> > 47
6.9(ED.5)	Number of student organizations related to sustainability	<input type="radio"/> 0 <input type="radio"/> 1 - 2 <input type="radio"/> 3 - 4 <input type="radio"/> 5 - 10 <input checked="" type="radio"/> > 10
6.10(ED.6)	University-run sustainability website	<input type="radio"/> Not available <input type="radio"/> Website in progress or under construction <input type="radio"/> Website is available and accessible <input type="radio"/> Website is available, accessible, and updated occasionally <input checked="" type="radio"/> Website is available, accessible, and updated regularly
6.11()	Sustainability website address (URL) if available	<a href="https://sustainablecampus.umt.edu.my">https://sustainablecampus.umt.edu.my</a>
6.12(ED.7)	Sustainability report	<input type="radio"/> Not available <input type="radio"/> Sustainability report is in preparation <input type="radio"/> Available but not publicly accessible <input type="radio"/> Sustainability report is published <input checked="" type="radio"/> Sustainability report is published annually
6.13(ED.8)	Number of cultural activities on campus	<input type="radio"/> None <input type="radio"/> 1 event per year <input type="radio"/> 2 events per year <input type="radio"/> 3 events per year <input checked="" type="radio"/> More than 3 events per year
6.14(ED.9)	Number of university program(s) to cope with covid-19 pandemic	<input type="radio"/> None <input type="radio"/> 1 Program <input type="radio"/> 2 Programs <input type="radio"/> 3 Programs <input checked="" type="radio"/> More than 3 Programs
6.15(ED.10)	Number of sustainability community services project organised and/or involving students	<input type="radio"/> None <input type="radio"/> 1 Project <input type="radio"/> 2 Projects <input type="radio"/> 3 Projects. <input checked="" type="radio"/> More than 3 Projects
6.16(ED.11)	Number of sustainability-related startups	<input type="radio"/> None <input checked="" type="radio"/> 1 - 5 startups <input type="radio"/> 5- 10 startups <input type="radio"/> 10 - 15 startups <input type="radio"/> > 15 startups

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