

## 1. What are the potential top-five sustainability issues for this client?

The following are the top 5 sustainable issues:

1. Water management
2. Sustainable buildings and communities
3. Integration with strategies (all levels)
4. Work integrated learning
5. Link with university operations and planning

The important sustainability activity areas are summarized on slide 4. Water is essential for human survival as well as socioeconomic development, a healthy ecosystem, and sustainable development.

The term "sustainability" refers to the ability of a structure to withstand the ravages of time. Also, compared to conventional constructions, these structures use a lot less energy.

Students will develop the knowledge, skills, and capacities necessary for a sustainable future through engaging in learning for sustainability.

## 2. What are the best practices and tools to address these five issues?

The following are the best practices and tools:

1. **ESG Maturity assessment & roadmap** – It is intended to give organizations a fast assessment of their overall environmental, social, and governance (ESG) maturity. It is an online self-evaluation tool with imbedded knowledge.
2. **Materiality assessment** – Formal exercises called materiality assessments are designed to involve stakeholders and determine the significance of various environmental, social, and governance (ESG) issues to them. The lessons learned can then be applied to inform strategy and communication, assisting us in crafting a more compelling sustainable narrative.
3. **Responsible investment assessment** – Responsible investment involves considering environmental, social and governance (ESG) issues when making investment decisions and influencing companies or assets (Known as active ownership or stewardship). It complements traditional financial analysis and portfolio construction techniques.

4. **Establish sustainability metrics and indicators** – Measures of sustainability, such as sustainability metrics and indices, make an effort to quantify sustainability beyond its abstract nature. Even though there are differences of opinion, several academic fields and international organizations have all proposed methods or indications for how to gauge the idea.
5. **Green ratings and certification** – To create projects that are environmentally conscious and resource-efficient throughout a building's lifecycle—from siting to design, construction, operation, maintenance, restoration, and demolition—green building rating and certification systems require an integrated design approach.
6. **Life cycle assessment**- The systematic examination of the potential environmental effects of goods or services over the course of their entire life cycle is known as a life cycle assessment (LCA).
7. **Net zero energy design** - Net zero energy buildings are buildings that make, or supply, their energy through renewable resources, which results in zero carbon emissions. Put simply, a net zero energy building is one that produces as much energy as it consumes on an annual basis.

### **3. What are the business and government sustainability-related regulations for the client's industry (higher education)?**

The following are the business and government sustainability- related regulations for the client's industry:

1. Large-scale Generation Certificates (LGC) Reporting -
2. National Pollutant Inventory (NPI) Reporting
3. Modern Slavery Act
4. Tertiary Education Facilities Management Association (TEFMA) Reporting
5. National Greenhouse and Energy Reporting (NGER)
6. Carbon Neutral Reporting (Climate Active)