Climate Change Mitigation Policy for BSMRAU

Introduction:

The following policy outlines the measures to be implemented by the Agricultural University to mitigate climate change and promote sustainable practices within its operations. The policy covers various aspects such as paperless education, fuel consumption, renewable energy, biofuels, online education, afforestation, and forest and biodiversity conservation.

Goal:

The University is commited to reducing the scope-1 carbon emission by 20% and scope-2 emission by 30% by the year 2040.

Mitigation Strategies:

In order to achive the set goal, the following mitigation strategies will be adhered.

1. **Paperless Education:**

   a. Encourage the adoption of digital learning materials and e-books to reduce paper usage.

   b. Establish a centralized online platform for students and faculty to access course materials, assignments, and communication.

   c. Implement a policy to minimize the use of printed materials for administrative purposes and encourage digital documentation and filing systems.

2. **Fuel Consumption:**

   a. Encourage public transportation, carpooling, or cycling among staff and students through awareness campaigns and incentives.

   b. Promote the use of electric vehicles on campus by providing charging infrastructure and incentives for their purchase.

   c. Develop a campus transportation plan to optimize routes and reduce fuel consumption for university vehicles.

3. **Renewable Energy:**

   a. Conduct a feasibility study to assess the potential for installing renewable energy systems such as solar panels or wind turbines on campus.

   b. Implement renewable energy systems where economically viable, aiming for a gradual transition to clean energy sources.

   c. Explore opportunities for partnerships with local renewable energy providers to procure green energy for the university's electricity needs.

4. **Biofuels:**

   a. Establish a research and development center to explore the production and utilization of biofuels from agricultural waste and non-food crops.

   b. Collaborate with relevant industries and government agencies to promote the adoption of biofuels in the agricultural sector.

c. Incorporate biofuel-related coursework and research opportunities into the curriculum to educate students about sustainable energy alternatives.

5. **Online Education:**

   a. Develop and expand online education programs and courses to reduce the need for travel and infrastructure.

   b. Promote virtual classrooms and webinars to facilitate remote learning opportunities.

   c. Ensure accessibility and inclusivity in online education platforms to accommodate diverse learning needs.

6. **Afforestation:**

   a. Implement a campus-wide afforestation program to increase the green cover and sequester carbon.

   b. Collaborate with local communities and government bodies to identify suitable areas for afforestation projects outside the university campus.

   c. Establish long-term monitoring and maintenance systems to ensure the survival and growth of newly planted trees.

7. **Forest and Biodiversity Conservation:**

   a. Develop a conservation plan for existing forested areas within the university campus, focusing on habitat preservation and restoration.

   b. Incorporate forest and biodiversity conservation courses into the curriculum to raise awareness among students.

   c. Engage in partnerships with local conservation organizations and support research on sustainable land management practices.

8. **Implementation and Monitoring:**

   a. Appoint a dedicated sustainability committee to oversee the implementation of this policy and monitor progress regularly.

   b. Establish key performance indicators (KPIs) to track the university's carbon footprint, energy consumption, paper usage, and other relevant metrics.

   c. Regularly report on the university's progress in climate change mitigation and sustainability efforts to stakeholders and the wider community.

For additional information regarding the policy, please contact

Registrar
Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU)
Gazipur-1706, Bangladesh
Telephone: +880-2-9205330, +880-2-9205310 -14; Ext. 2058
E-mail: registrar@bsmrau.edu.bd Web: www.bsmrau.edu.bd