



BITS Pilani

Pilani | Dubai | Goa | Hyderabad | Mumbai

**BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE
(BITS)PILANI
("INSTITUTE")**

CLIMATE ACTION PLAN

As an institution committed to sustainability and responsible citizenship, BITS Pilani recognizes the urgent need to address climate change and its impact on the environment. This climate action plan aims to foster a culture of sustainability within the campus and contribute to the global efforts in mitigating climate change. This plan outlines specific strategies and actions to achieve the desired objectives.

Energy Efficiency and Renewable Energy:

Objective: Reduce carbon emissions and dependence on non-renewable energy sources.

Actions:

- a. Conduct an energy audit to identify areas of high energy consumption and inefficiencies.
- b. Implement energy-efficient technologies and lighting systems throughout the campus.
- c. Install solar panels on rooftops to harness renewable energy.
- d. Encourage research and innovation in renewable energy technologies.
- e. Set targets to achieve a certain percentage of energy consumption from renewable sources.

Waste Management and Recycling:

Objective: Minimize waste generation and promote responsible waste management.

Actions:

- a. Establish a comprehensive waste segregation system across the campus.
- b. Set up recycling centers for paper, plastic, glass, and electronic waste.
- c. Encourage the use of reusable water bottles, cups, and containers.
- d. Promote composting of organic waste and utilize it for campus landscaping.
- e. Organize awareness campaigns and workshops on waste reduction.
- f. Actively participate in mass cleaning drives under the Swachchata mission
- g. Comply with all rules and regulations on waste generation, disposal and management enacted by the government from time to time.

Sustainable Transportation:

Objective: Reduce carbon emissions from transportation and promote sustainable commuting.

Actions:

- a. Encourage the use of bicycles and electric vehicles on campus.
- b. Develop designated carpool zones and incentivize carpooling among students and staff.

- c. Improve pedestrian pathways and safety to promote walking.
- d. Establish partnerships with local public transportation services to enhance accessibility.
- e. Conduct awareness campaigns on the benefits of sustainable commuting.

Water Conservation:

Objective: Conserve water resources and minimize water wastage.

Actions:

- a. Implement water-efficient fixtures and appliances across the campus.
- b. Harvest rainwater and utilize it for landscaping and non-potable purposes.
- c. Conduct regular maintenance and repairs to prevent water leakages.
- d. Organize workshops and seminars on water conservation for the campus community.
- e. Promote responsible water usage among students and staff.

Green Campus Initiatives:

Objective: Foster a culture of sustainability and environmental consciousness.

Actions:

- a. Establish a sustainability committee to monitor and evaluate progress.
- b. Integrate sustainability education into the curriculum across disciplines.
- c. Organize regular environmental awareness events, seminars, and workshops.
- d. Develop green spaces and gardens on campus to enhance biodiversity.
- e. Promote sustainable practices in campus cafeterias and food services.

Carbon Footprint Reduction:

Objective: Measure and reduce the institution's carbon footprint.

Actions:

- a. Calculate the carbon footprint of the campus annually.
- b. Set specific targets for reducing carbon emissions over time.
- c. Invest in carbon offset projects to compensate for unavoidable emissions.
- d. Encourage research on carbon capture and storage technologies.
- e. Collaborate with other institutions to share best practices in carbon reduction.

Monitoring and Reporting:

Objective: Ensure transparency and accountability in climate action efforts.

Actions:

- a. Establish a system for monitoring and reporting progress on climate initiatives.
- b. Publish regular reports on the institution's sustainability performance.
- c. Engage stakeholders, including students, faculty, and staff, in the monitoring process.
- d. Seek feedback and suggestions from the campus community for improvement.
- e. Continuously review and update the climate action plan based on results and emerging technologies.

By adopting this comprehensive climate action plan, BITS Pilani can significantly contribute to the fight against climate change and serve as a role model for other educational institutions in India. The success of these initiatives relies on the active involvement and commitment of every member of the BITS Pilani community, and together, we can create a more sustainable future for our planet.