



GREEN CAMPUS & BIODIVERSITY MANAGEMENT PLAN

2025–2028

1. PURPOSE

The Green Campus & Biodiversity Management Plan establishes the framework for protecting, enhancing, and sustainably managing the natural environment of Grand Asian University Sialkot.

The plan supports:

- Environmental sustainability
- Biodiversity conservation
- Ecosystem protection
- Climate resilience
- Campus beautification
- Sustainability education
- Community engagement
- United Nations Sustainable Development Goals (SDGs)
- UI GreenMetric World University Rankings

2. POLICY STATEMENT

Grand Asian University Sialkot is committed to maintaining a green, healthy, and environmentally responsible campus through the protection of vegetation, enhancement of biodiversity, sustainable landscape management, and active participation of students, faculty, staff, and surrounding communities.

The University recognizes biodiversity as an essential component of environmental sustainability and seeks to integrate biodiversity conservation into campus planning, operations, education, research, and outreach activities.

3. OBJECTIVES

The objectives of this plan are to:

1. Enhance campus green coverage and planted vegetation.
2. Protect existing trees, shrubs, and ornamental plants.
3. Promote native and climate-resilient plant species.
4. Establish biodiversity-friendly campus zones.
5. Support environmental education and research.
6. Encourage student participation in biodiversity initiatives.
7. Promote sustainable landscape management practices.
8. Strengthen community awareness regarding biodiversity conservation.
9. Improve ecological quality and environmental aesthetics.
10. Support SDGs and UI GreenMetric indicators.



4. CAMPUS BIODIVERSITY ZONING FRAMEWORK

To improve biodiversity management, the campus is divided into five sustainability and biodiversity zones.

Zone 1 – Academic Green Zone

Location: Academic Blocks

Purpose:

- Green landscaping
- Shade provision
- Educational demonstration

Features:

- Trees
- Ornamental plants
- Lawns
- Flower beds

Zone 2 – Administrative Green Zone

Location: Administrative Buildings

Purpose:

- Environmental enhancement
- Aesthetic landscaping

Features:

- Decorative vegetation
- Green belts
- Landscape gardens



Zone 3 – Community Engagement Zone

Location: Public-facing campus areas

Purpose:

- Awareness activities
- Outreach programs
- Sustainability demonstrations

Features:

- Plantation areas
- Awareness displays
- Environmental campaigns

Zone 4 – Research and Demonstration Zone

Location: Greenhouse and research facilities

Purpose:

- Research
- Demonstration projects
- Student learning

Features:

- Experimental plantations
- Greenhouse facilities
- Smart agriculture projects
- Plant monitoring systems

Zone 5 – Ecological Enhancement Zone

Location: Open green areas and peripheral landscapes

Purpose:

- Habitat enhancement
- Ecological balance
- Carbon sequestration



Features:

- Tree plantations
- Native vegetation
- Pollinator-friendly plants
- Open green spaces

5. BIODIVERSITY CONSERVATION INITIATIVES

The University implements the following biodiversity conservation measures:

Tree Plantation Program

- Annual plantation campaigns
- One Student One Tree initiative
- Native species preference

Plant Protection and Monitoring

- Regular inspection of vegetation
- Disease monitoring
- Maintenance schedules

Greenhouse Conservation Activities

- Plant propagation
- Demonstration projects
- Educational activities

Sustainable Landscaping

- Water-efficient landscaping
- Environmentally responsible maintenance

Habitat Improvement

- Increased vegetation density
- Pollinator-supportive plants



- Green corridors

6. EDUCATION AND RESEARCH

The Department of Biosciences and Department of Food, Nutrition and Agriculture Sciences at Grand Asian University will proactively lead the education & Research on the Biodiversity in collaboration with local and international organizations. Biodiversity is integrated into:

Academic Activities

- Environmental Science courses
- Biodiversity-related assignments
- Field observations

Research Activities

- Sustainability research
- Smart agriculture research
- Environmental monitoring projects

Student Projects

- Biodiversity surveys
- Plantation projects
- Sustainability innovation activities

7. COMMUNITY ENGAGEMENT

GAUS conducts biodiversity-related outreach activities including:

- Biodiversity awareness campaigns
- Plantation drives
- Environmental seminars
- School outreach programs
- World Environment Day activities
- Community sustainability events



These activities extend biodiversity awareness beyond campus and encourage public participation in environmental protection.

8. IMPLEMENTATION RESPONSIBILITIES

Unit	Responsibility
Sustainability Committee	Strategic oversight
UI GreenMetric Secretariat	Coordination and reporting
Environmental Club	Student engagement
Academic Departments	Education and research
Estate & Maintenance Office	Landscape management
Quality Enhancement Cell	Monitoring and evaluation

9. MONITORING AND EVALUATION

The following indicators are monitored annually:

Indicator	Monitoring Method
Vegetation Coverage	Campus surveys
Tree Plantation Activities	Plantation records
Biodiversity Awareness Events	Event reports
Community Outreach Activities	Activity reports
Greenhouse Activities	Project records
Digital Monitoring Activities	System records

Annual review findings are incorporated into future campus sustainability planning.

10. CONTRIBUTION TO SDGs

This plan contributes directly to:

- SDG 3 – Good Health and Well-Being
- SDG 4 – Quality Education
- SDG 11 – Sustainable Cities and Communities
- SDG 12 – Responsible Consumption and Production
- SDG 13 – Climate Action
- SDG 15 – Life on Land
- SDG 17 – Partnerships for the Goals



APPROVAL

Prepared & Reviewed By: Registrar	Approved by: Pro – Vice Chancellor
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