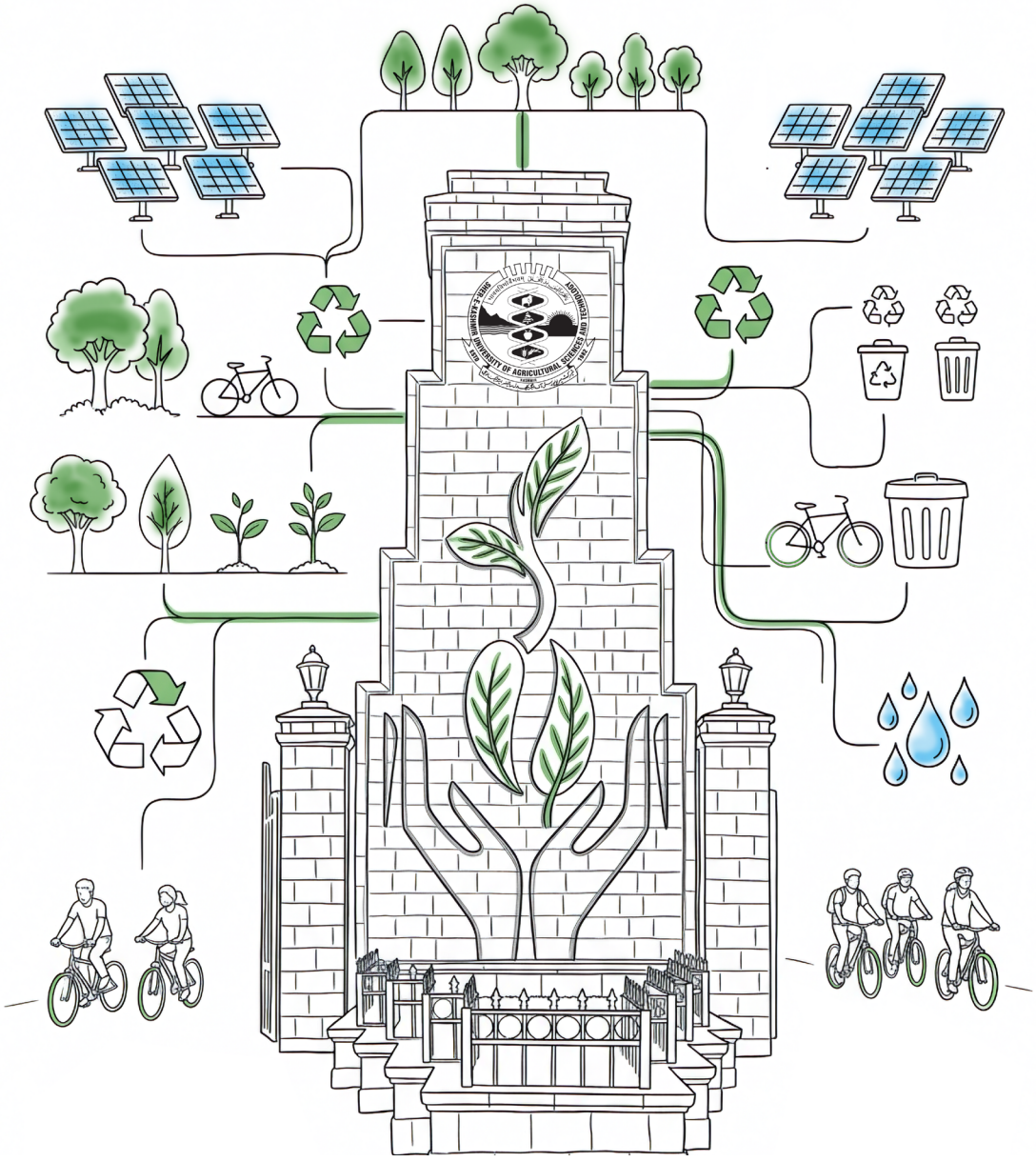
Sher-i-Kashmir
University of Agricultural Sciences
& Technology of Kashmir

Main Campus, Shalimar, Srinagar Kashmir (J&K) India-190025



POLICY DOCUMENT

GREEN & SUSTAINABLE CAMPUSES

Policy Document-1

Green & Sustainable Campuses

Sher-i-Kashmir
University of Agricultural Sciences
& Technology of Kashmir

Main Campus, Shalimar, Srinagar Kashmir (J&K) India-190025

Reviewed by
Dr. Khem Chand
Principal Scientist (Agricultural Economics)
Chairman, Project Monitoring and Evaluation Cell
ICAR-NAIP, New Delhi

Dr. Srinivas Kondapi
Principal Scientist, (Agricultural Economics)
ICAR-NAARM, Hyderabad
Editor, Indian Journal of Agricultural Economics

Published (June, 2026) by
Internal Quality Assurance Cell,
Directorate of Planning and Monitoring
Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir
Main Campus, Shalimar, Srinagar Kashmir (J&K) India-190025

Document Code
PD-01/DPM-IQAC/06-26

Designed By
Sheikh Parveez Ahmed
Graphic Designer, SKUAST-K

Ahangar Firdous

Contact
For more information, please contact
Prof. Nasir Ahmad Dar
Coordinator IQAC
Mobile: 7006172909
Email: iqac@skuastkashmir.ac.in

Printed at
SKUAST-K Press, Shalimar

Authors
Nasir A. Dar, Shabir A. Wani, Farooq A. Lone, Shah Murtaza, Umar Iqbal, Pankaj Gargotra, Khursheed A. Sofi, Masarat Bashir, Bilal A. Langoo, Syed Berjees Zehra, Aijaz A. Dar and Nazir A Ganai

---

About SKUAST-K

Established in 1982, SKUAST-K operates 7 academic campuses, 10 Krishi Vigyan Kendras (Farm Science Centres) and 13 research stations. Ranking 7th nationally in Agriculture and allied sector category (NIRF-2025) and 4th in Agriculture and Horticulture category (IIRF-2026), the varsity drives outcome-based education, translational & innovative research and impactful community engagement. Recognizing that institutional growth must align with UNSDG's, this policy provides the framework to transition all campuses into low carbon, resource-efficient and climate-resilient ecosystems, integrating sustainability into institutional governance, infrastructure management and daily campus operation.

1. Preamble

Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K), committed to excellence in agricultural education, research, and extension, recognizes its responsibility towards environmental protection and sustainable development. As an institution deeply connected with natural resources, ecology, and rural livelihoods, SKUAST-K strives to adopt environmentally responsible practices and promote a green, clean, and sustainable campus.

2. Purpose of Green & Sustainable Campuses Policy

SKUAST-K operates within one of the world's most climate-vulnerable ecological zones. Kashmir is experiencing rising temperature, erratic precipitation, glacial retreat, water stress, biodiversity loss, and increasing frequency of extreme weather events. These climate risks directly threaten food systems, water security, livelihoods, and urban sustainability. As a public university system embedded in this sensitive mountain ecosystem, SKUAST-K has both a moral obligation and a strategic mandate to lead by example in climate-responsible development and resilience building.

Our seven campuses across Kashmir are no longer merely sites of instruction; they are micro-cities that consume energy and water, generate waste, house thousands of young people, and shape the environmental values of future leaders. Sustainability in higher education can no longer be traded as a peripheral or aesthetic agenda. It must be embedded into the core physical, financial and governance architecture of Universities. Campuses must become low-carbon, water-positive, climate-resilient, and digitally monitored living laboratories that operationalise the sustainable Development Goals at institutional scale.

The purpose of this Green Campus Policy is to provide a framework for integrating environmental sustainability into campus planning, operations, academics, research, and community outreach, thereby reducing the ecological footprint of the university. This policy of SKUAST-K envisions clean and Green Campuses where eco-friendly practices and education combine to transform the campus into a serene, ambient and environment friendly location otherwise surrounded by mesmerizing hills of Zabarwan and gardens of Nishat and Shalimar. Being a multi campus institution it offers us an opportunity to take a lead in changing the landscape and redefining our environmental priorities with multi-dimensional approach instilling/inculcating an environmental ethics among the faculty and staff across various faculties/campuses of university. Green Campus aims to reduce waste, conserve natural resources and adopt remarkable energy solutions.

SKUAST-K therefore proposes a comprehensive transition of all six campuses into SDG-aligned green and sustainable campuses.

3. Vision

To establish Green & Sustainable campus ecosystems across SKUAST-K and inspire next generation environmental leadership, champion UNSDG alignment and mitigate global ecological crises to secure a safe and vibrant planet for future generations .

4. Scope

This policy applies to all constituent Faculties, Research stations, Krishi Vigyan Kendras (KVKs), administrative units, hostels, laboratories, farms, and other facilities under SKUAST-K. It is applicable to students, faculty members, officers, staff, contractors, and visitors.

5. Policy Statement

SKUAST-K is committed to conserving natural resources, minimizing environmental impact, and fostering environmental awareness by adopting sustainable practices in energy use, water management, waste management, biodiversity conservation, and campus operations.

6. Objectives

- To promote sustainable and innovative use of natural resources and use of eco-friendly products and services.
- To reduce energy consumption and greenhouse gas emissions.
- To conserve water and enhance water-use efficiency in all campuses of SKUAST-K
- To implement the "Zero Waste" principle of minimizing waste production by adopting 5Rs framework: refuse, reduce, reuse, recycle and rot with a aim of achieving Zero waste campus.
- To protect and enhance biodiversity in all campuses to achieve "Net Zero Emission" targets of 2050.
- To integrate environmental consciousness into teaching, research, and extension activities.
- Transform all campuses into UN-SDG aligned green campuses.

7. Key Policy Areas

7.1 Energy Conservation and Management

- Use of energy-efficient lighting, equipment, and appliances
- Periodic energy audits
- Encouragement of energy-saving practices among campus users
- Gradual transition to solar energy systems

7.2 Water Conservation

- Rainwater harvesting and groundwater recharge structures
- Efficient irrigation systems in university farms and landscapes
- Sensor based smart irrigation for water conservation to be started
- Reuse of treated wastewater for gardening and agricultural activities
- Regular monitoring to prevent water wastage

7.3 Waste Management

- Segregation of waste at source (biodegradable, non-biodegradable, hazardous)
- Composting and vermicomposting of organic waste
- Scientific disposal of laboratory, biomedical, and chemical waste
- Proper collection and disposal of e-waste
- Reduction of single-use plastics on campus and promotion of reusable alternatives such as cloth bags and steel bottles.

7.4 Biodiversity and green cover enhancement

- Maintenance and expansion of green cover through plantation drives
- Develop bicycle friendly pathways and pedestrian zones to reduce vehicular transport
- Conservation of native plant species and germplasm
- Protection of soil health, water bodies, and agro-ecosystems
- Promotion of eco-friendly construction and landscaping practices
- Develop biodiversity parks and arboretum on campus
- Establishment of butterfly garden and pollination

7.5 Climate Smart Agriculture Demonstration

- Establish climate resilient model farms
- Demonstrate water efficient irrigation technology
- Promote organic & conservation agricultural practices

7.6 Sustainable Transportation

- Encouragement of walking and cycling within campus
- Promotion of shared transport facilities
- Gradual adoption of electric or low-emission vehicles e.g., E-rickshaws
- Restriction of unnecessary vehicular movement
- Encourage car pooling

7.7 Environmental Awareness and Capacity Building

- Establishment and strengthening of Green Campus / Eco Clubs
- Inclusion of environmental sustainability in curriculum and research
- Organization of awareness programs, workshops, and campaigns
- Observance of World Environment Day and other relevant events

8. Implementation Structure and Hierarchy of Responsibility

Effective implementation of the Green & Sustainable Campuses Policy shall be ensured through a well-defined institutional mechanism with clear roles, responsibilities, and accountability at different levels of the University.

I. Apex Level (Policy and Strategic Oversight)

Vice Chancellor (Chairperson)

- Overall authority for policy approval and strategic direction
- Ensures integration of sustainability into institutional governance and development planning
- Reviews annual progress and approves major sustainability initiatives and funding

Finance Committee / Board of Management

- Approves financial allocations and Green Campus Fund utilization
- Reviews major infrastructure and investment proposals related to sustainability

II. University Level Coordination

Coordinator IQAC / Nodal Officer (Green Campus / Sustainability)

Composition:

- Coordinator IQAC (Chairperson)
- IQAC Faculty Members
- Representative from Division of Environmental Science
- Representative from Faculty of Forestry
- Representative from Faculty of COAE&T

Functions:

- Acts as the central coordinating authority for implementation
- Prepares University-level Green Campus Action Plan
- Consolidates reports from all campuses
- Coordinates with government agencies and funding bodies
- Ensures compliance with SDGs, NAAC, NIRF, and statutory frameworks

III. Institutional Level Implementation

Deans / Directors of Faculties / Heads of Stations / KVK Incharges

- Responsible for implementation at respective campuses
- Ensure compliance with sustainability targets in academic, research, and administrative units
- Submit periodic progress reports to the central coordination unit
- Facilitate campus-level infrastructure development and behavioral change initiatives

IV. Campus-Level Operational Committee

Green Campus Committee (Each Campus)

Composition:

- Dean/Director (Chairperson)
- Senior Faculty Members
- Administrative Officer
- Estate/Engineering Representative
- Student Representative (Eco Club/NSS/NCC)

Functions:

- Implement campus-specific action plans
- Monitor energy, water, waste, and biodiversity indicators
- Conduct green audits and awareness programmes
- Ensure compliance with University sustainability policies
- Report quarterly progress to the central coordinating unit

V. Technical and Support Units

Engineering / Estates Division

- Execution of infrastructure projects (solar, water systems, green buildings)
- Maintenance of utilities and sustainability installations

ARIS Cell / Digital Governance Unit

- Implementation of e-office, paperless systems, and sustainability dashboard
- Data collection and digital monitoring systems

Farm / Research Units

- Implementation of climate-smart agriculture practices
- Maintenance of biodiversity and soil-health initiatives

VI. Operational Staff Level

Administrative Staff / Technical Staff / Support Staff

- Day-to-day implementation of energy saving, waste segregation, and water conservation practices
- Maintenance of cleanliness, recycling systems, and resource efficiency
- Support documentation and data collection for audits

VII. Student and Community Participation

Eco Clubs / NSS / NCC / Student Volunteers

- Awareness generation and behavioural change campaigns
- Participation in plantation drives, cleanliness drives, and sustainability events
- Support in monitoring and reporting environmental practices

VIII. Monitoring and Accountability

- Annual performance review of each campus based on Green Campus Performance Index
- Integration of sustainability performance into institutional appraisal systems
- Periodic internal and external environmental audits
- Corrective action plans for non-compliance

IX. Reporting Mechanism

- Quarterly campus-level reports to Central Coordination Unit
- Annual Green Campus Report submitted to University authorities
- Public disclosure of key sustainability indicators through institutional platforms

9. Paperless Examination

- To adopt the paperless examination system in totality fostering reduction in over abundance use of papers and promote environmental sustainability.

10. Major Green Campus initiatives

- Installation of solar panel roof tops
- Waste water management/Rain water harvest
- Use of micro scale techniques
- Sensor based energy conservation
- Display posters on E-waste management

- Plastic free campuses
- Paperless examination and e-office
- Tree plantation drives
- Cleanliness drives
- Landscaping and gardens
- Use of LEDs only
- Digital Library/E learning centers
- Pedestrian friendly pathways
- Restricted entry of automobiles
- Battery powered vehicles
- No vehicle Day observed
- Organization of sensitization programmes for the stakeholders

The university is committed to take all the necessary efforts to involve the faculty, staff and students, in "**Green & Sustainable Campuses**" initiatives by designating the volunteers, NSS, NCC cadets for the purpose.

11. Financial Framework and Resource Mobilization

Annual Budget Requirement

To achieve the objectives of the Green & Sustainable Campuses Policy, SKUAST-K shall earmark dedicated financial resources for sustainability interventions across its constituent campuses. Based on preliminary estimates, the University may require an annual investment of **5–10 crore** during the initial phase (2026–2030), which may be enhanced based on project requirements and scaling of activities.

The estimated annual allocation may broadly cover the following components:

Component	Indicative Annual Allocation (Rs Crore)
Renewable Energy (Solar Installations, Energy Efficiency Measures)	1.50–3.00
Water Conservation and Wastewater Recycling Systems	0.75–1.50
Waste Management and Composting Infrastructure	0.25–0.75
Biodiversity Conservation, Landscaping and Green Cover Enhancement	0.50–1.00
Sustainable Transportation and Electric Mobility	0.50–1.00
Digitalization, E-Office and Paperless Examination Systems	0.50–1.00
Environmental Audits, Monitoring and Sustainability Dashboard	0.10–0.25
Capacity Building, Awareness and Outreach Activities	0.15–0.50
Research, Innovation and Demonstration Projects	0.50–1.00
Total	5–10 Crore per annum

Sources of Finance

The implementation of the Green & Sustainable Campuses Policy shall be supported through a combination of internal and external financial resources, including:

A. Government Schemes and Grants

- Ministry of Education, Government of India.
- Ministry of Environment, Forest and Climate Change (MoEFCC).
- Ministry of New and Renewable Energy (MNRE).
- Department of Science and Technology (DST).
- University Grants Commission (UGC).
- National Mission for Sustainable Agriculture (NMSA).
- National Innovations in Climate Resilient Agriculture (NICRA).
- Jal Shakti Abhiyan and water conservation schemes.
- Swachh Bharat Mission.
- Smart Campus and Digital India initiatives.
- Government of Jammu & Kashmir sustainability and climate adaptation programmes.

B. Self-Generated University Funds

- Internal University Development Funds.
- Revolving Funds generated through research farms and university enterprises.
- Consultancy, testing, certification and advisory services.
- Revenue generated through commercialization of technologies and intellectual property.
- Savings accrued through energy efficiency and resource conservation measures.
- Student welfare and development funds earmarked for environmental initiatives.

C. Externally Mobilized Resources

- Corporate Social Responsibility (CSR) contributions.
- National and international research grants.
- Multilateral and bilateral funding agencies.
- Alumni contributions and endowment funds.
- Public-private partnerships for renewable energy and waste management projects.
- Green bonds and sustainability-linked financing mechanisms, where feasible.

Green Campus Fund

The University shall establish a dedicated **Green Campus Fund** to pool resources from various sources and ensure sustained financing of environmental initiatives. The Fund shall be utilized exclusively for green infrastructure, renewable energy, biodiversity conservation, climate resilience projects, environmental education, sustainability research, and monitoring activities.

Reinvestment of Savings

Any savings achieved through reduced energy consumption, water conservation, paperless operations, waste recycling, and other sustainability measures shall be reinvested into the Green Campus Fund to create a self-sustaining cycle of environmental improvement and financial efficiency.

12. Expected Challenges and Mitigation Strategies

Category	Expected Challenges	Mitigation / Strategy to Tackle
Climatic Challenges	Rising temperatures, erratic rainfall, floods, droughts, snowfall variability, and extreme weather events	Climate-resilient infrastructure, rainwater harvesting, water conservation measures, climate-smart agriculture, disaster preparedness plans, and periodic climate risk assessments
Water Scarcity	Declining groundwater levels and increasing water demand across campuses	Installation of rainwater harvesting systems, wastewater recycling, micro-irrigation, leak detection systems, and water audits
Biodiversity Loss	Habitat degradation, invasive species, and declining native flora and fauna	Biodiversity parks, native species plantation, conservation programs, and regular biodiversity audits
Energy Challenges	Increasing energy demand and dependence on conventional energy sources	Solar energy installations, LED lighting, energy-efficient appliances, smart energy monitoring systems, and periodic energy audits
Waste Management Challenges	Increasing generation of solid, liquid, laboratory, and e-waste	Waste segregation at source, composting, recycling facilities, e-waste collection centers, and awareness campaigns
Social Challenges	Resistance to behavioural change among students, staff, and visitors	Awareness programs, sustainability campaigns, incentives, recognition awards, and stakeholder engagement activities
Institutional Challenges	Lack of coordination among departments and campuses	Establishment of Green Campus Committees, regular review meetings, digital monitoring systems, and clearly defined responsibilities
Financial Challenges	Limited budget availability for sustainability projects	Resource mobilization through government grants, CSR funds, alumni contributions, external funding agencies, and Green Campus Fund
Technological Challenges	Limited availability of advanced green technologies and technical expertise	Capacity-building programs, collaborations with research institutions, industry partnerships, and pilot demonstration projects
Transportation Challenges	Dependence on fossil-fuel vehicles and traffic congestion within campuses	Promotion of cycling, walking, e-rickshaws, electric vehicles, carpooling, and vehicle-free zones
Digitalization Challenges	Resistance to adoption of paperless systems and digital governance	Training programs, ICT infrastructure strengthening, e-office implementation, and digital literacy initiatives
Policy and Compliance Challenges	Delays in implementation and monitoring of sustainability policies	Regular audits, compliance reviews, performance indicators, accountability mechanisms, and periodic policy updates
Economic Challenges	Inflation, rising maintenance costs, and fluctuations in funding support	Phased implementation, cost-benefit analysis, reinvestment of savings from energy and water conservation, and diversification of funding sources
Human Resource Challenges	Limited manpower for monitoring and implementation	Formation of volunteer groups, NSS/NCC participation, Eco Clubs, faculty coordinators, and community involvement
Disaster and Emergency Risks	Fire hazards, earthquakes, landslides, and other natural disasters	Regular mock drills, emergency response plans, disaster management committees, and installation of safety equipment

Key Risk Management Measures

1. Establish a **Green Campus Risk Management Cell** under IQAC.
2. Conduct **annual climate, energy, water, and environmental audits**.
3. Develop a **Sustainability Dashboard** for monitoring KPIs.
4. Maintain an **Emergency Response and Disaster Preparedness Plan** for all campuses.
5. Allocate contingency funds through the **Green Campus Fund**.
6. Strengthen collaborations with government agencies, NGOs, industry, and international organizations.
7. Undertake periodic stakeholder consultations and awareness programmes.

13. Compliance

All university stakeholders are expected to comply with this policy. Non-compliance may attract corrective measures as per university rules.

14. Review of Policy

This policy shall be reviewed every five years or earlier if required to incorporate new regulations, technologies, or best practices.

15. Effective Date

This Green Campus Policy shall come into force with effect from **01-07-2026**.

Annexure I: Implementation Timeline

Year	Component	Action Plan (with Annual Targets)	Responsible Unit
2026	Energy & Renewable	Conduct campus energy audit and convert 10% campus lighting to LED	Estates Wing, COAE&T
	Water Management	Conduct water audit and install rainwater harvesting in 10% buildings and establishment of STPs in main campus	Estates Wing, COAE&T, Deans and Heads of the Stations.
	Waste & Plastic Management	Implement waste segregation and establishment of composting units in 30% of campus facilities	Estates wing, DSW
	Biodiversity & Green Cover	Increase green cover by 5% through plantation drives and establish carbon park/biodiversity park in main campus	FoF, Div of Env. Sci., Deans and Heads of the Stations.
	Sustainable Transport	Reduce internal vehicle use by 10% through cycling and walking promotion	Estates Wing, DSW, Deans of Faculties
	Climate Action & Awareness	Conduct sustainability awareness programmes covering 50% campus community	Div of Env. Sci., DSW, Deans of Faculties
2027	Energy & Renewable	Expand LED lighting to 25% of campus infrastructure	Estates Wing, COAE&T
	Water Management	Install rainwater harvesting in 15% of buildings and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	Compost 25% biodegradable waste	Div of Env. Sci., DSW
	Biodiversity & Green Cover	Increase green cover by 8% and establish carbon parks/biodiversity parks in 20% of campuses and stations	FoF, Div of Env. Sci.
	Sustainable Transport	Replace 5% campus vehicles with electric carts	Estates Wing, DSW
	Climate Action & Awareness	Sustainability training for 70% new students	Div of Env. Sci., DSW
2028	Energy & Renewable	Install solar panels supplying 10% campus electricity	Estates Wing, COAE&T
	Water Management	Micro-irrigation covering 15% research farm area, and expansion of STPs in another campus	Estates Wing, COAE&T, Deans and Heads of the Stations.
	Waste & Plastic Management	35% campus waste recycled	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 10% and establish carbon parks/biodiversity parks in 30% of campuses and stations	FoF, Div of Env. Sci.
	Sustainable Transport	Encourage cycling for 15% student population	Estates Wing, DSW
	Climate Action & Awareness	Green Campus Week with 1000+ participants	FoF, Div of Env. Sci., DSW
2029	Energy & Renewable	Expand renewable installations to achieve 20% renewable electricity	Estates Wing, COAE&T
	Water Management	Rainwater harvesting in 25% buildings and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	30% reduction in paper use through digitalization	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 12% and establish carbon parks/biodiversity parks in 40% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	15% staff participating in carpooling	Estates Wing, DSW
	Climate Action & Awareness	Establish baseline campus carbon footprint	FoF, Div of Env. Sci., DSW

2030	Energy & Renewable	Achieve 30% renewable energy share	Estates Wing, COAE&T
	Water Management	Greywater recycling supplying 15% irrigation demand and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	Reduce single-use plastic by 50%	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 15% and establish carbon parks/biodiversity parks in 50% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	10% campus vehicles electric	Estates Wing, DSW
	Climate Action & Awareness	Sustainability training covering 80% university community	Div of Env. Sci., DSW
2031	Energy & Renewable	Renewable energy share reaches 40%	Estates Wing, COAE&T
	Water Management	30% farm area under micro-irrigation and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	Compost 60% biodegradable waste	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 18% and establish carbon parks/biodiversity parks in 60% of campuses and stations	FoF, Div of Env. Sci.
	Sustainable Transport	Electric transport serving 15% campus mobility	Estates Wing, DSW
	Climate Action & Awareness	Sustainability clubs in 100% colleges	Div of Env. Sci., DSW
2032	Energy & Renewable	Achieve 45% renewable energy share through solar pumps	Estates Wing, COAE&T
	Water Management	Capture 30% stormwater runoff through recharge structures and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	100% safe management of laboratory hazardous waste	Estate wing, DSW
	Biodiversity & Green Cover	Improve biodiversity index by 20%, and establish carbon parks/biodiversity parks in 70% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	20% campus vehicles electric	Estates Wing, DSW
	Climate Action & Awareness	Establish 10 climate-resilient technology demonstration sites	Div of Env. Sci., DSW
2033	Energy & Renewable	Renewable energy share reaches 50%	Estates Wing, COAE&T
	Water Management	Reuse 25% campus water and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	70% campus waste recycled and establishment of STPs in 100% campuses and stations	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 22%, and establish carbon parks/biodiversity parks in 80% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	25% students using bicycles/e-bikes	Estates Wing, DSW
	Climate Action & Awareness	Increase carbon sequestration by 10% through plantation	FoF, Div of Env. Sci., DSW

2034	Energy & Renewable	Renewable share increases to 60%	Estates Wing, COAE&T
	Water Management	20% reduction in water consumption and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	Compost 90% organic waste	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 25%, and establish carbon parks/biodiversity parks in 90% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	40% campus vehicles electric	Estates Wing, DSW
	Climate Action & Awareness	Annual carbon accounting for all departments	FoF, Div of Env. Sci., DSW
2035	Energy & Renewable	Achieve 70% renewable electricity share	Estates Wing, COAE&T
	Water Management	Reduce 30% campus water consumption and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	90–95% waste diverted from landfill	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 30%, and establish carbon parks/biodiversity parks in 100% of campuses and stations	FoF, Div of Env. Sci., DSW
	Sustainable Transport	50% campus transport electric	Estates Wing, DSW
	Climate Action & Awareness	Obtain Green Campus certification	Div of Env. Sci., Directorate of Research
2036	Energy & Renewable	Renewable share increases to 75%	Estates Wing, COAE&T
	Water Management	35% campus water reused or recycled and expansion of STPs another campus	Estates Wing, COAE&T
	Waste & Plastic Management	95% campus waste recycled/composted	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 32%	FoF, Div of Env. Sci., DSW
	Sustainable Transport	55% campus vehicles electric	Estates Wing, DSW
	Climate Action & Awareness	Publish annual sustainability report	Div of Env. Sci., DSW
2037	Energy & Renewable	Renewable energy share reaches 80%	Estates Wing, COAE&T
	Water Management	Reduce water use by 35% compared to baseline and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	Achieve near-zero landfill waste (97%)	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 34%	FoF, Div of Env. Sci., DSW
	Sustainable Transport	60% campus mobility electric	Estates Wing, DSW
	Climate Action & Awareness	Establish climate research & innovation hub	FoF, Div of Env. Sci., DSW

2038	Energy & Renewable	Renewable share 85% of electricity demand	Estates Wing, COAE&T
	Water Management	40% water reused/recycled and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	98% waste recycled or composted	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 36%	FoF, Div of Env. Sci., DSW
	Sustainable Transport	65% campus vehicles electric	Estates Wing, DSW
	Climate Action & Awareness	Expand carbon sequestration plantation by 15%	FoF, Div of Env. Sci., DSW
2039	Energy & Renewable	Renewable energy share reaches 90%	Estates Wing, COAE&T
	Water Management	45% water reuse across campus and expansion of STPs in another campus	Estates Wing, COAE&T
	Waste & Plastic Management	99% waste diverted from landfill	Estate wing, DSW
	Biodiversity & Green Cover	Increase green cover by 38%	FoF, Div of Env. Sci., DSW
	Sustainable Transport	70% electric mobility adoption	Estates Wing, DSW
	Climate Action & Awareness	Achieve 40% reduction in campus carbon emissions	FoF, Div of Env. Sci., DSW
2040	Energy & Renewable	Achieve 95% renewable energy use across campus	Estates Wing, COAE&T
	Water Management	Reduce water consumption by 50% from baseline and expansion of STPs in the remaining campuses	Estates Wing, COAE&T
	Waste & Plastic Management	Achieve 100% zero-waste campus	Estate wing, DSW
	Biodiversity & Green Cover	Achieve 40% increase in green cover	FoF, Div of Env. Sci., DSW
	Sustainable Transport	Achieve 75% electric mobility across campus	Estates Wing, DSW
	Climate Action & Awareness	Achieve carbon-neutral campus status	FoF, Div of Env. Sci., DSW
	Periodic environmental audits	Periodic environmental audits will be conducted after every 5 years time period	IQAC, SKUAST-K

Annexure II: Monitoring Indicator / KPI

Year	Component	Monitoring Indicator / KPI
2026	Energy & Renewable	Completion of campus energy audit report and 10% campus lighting replaced with LED
	Water Management	Water audit completed; rainwater harvesting installed in 10% buildings and STP established in main campus
	Waste & Plastic Management	Waste segregation system operational in 30% campus facilities and composting units functional
	Biodiversity & Green Cover	Minimum 5% increase in tree plantation area and 1 carbon/biodiversity park established
	Sustainable Transport	10% reduction in internal vehicle movement and cycling/walking tracks identified
	Climate Action & Awareness	At least 50% students and staff trained through sustainability awareness programmes
2027	Energy & Renewable	25% of total campus lighting converted to LED
	Water Management	Rainwater harvesting systems installed in 15% buildings and STP operational in additional campus
	Waste & Plastic Management	25% biodegradable waste converted into compost
	Biodiversity & Green Cover	Green cover increased by 8% and biodiversity/carbon parks established in 20% campuses/stations
	Sustainable Transport	5% campus vehicles replaced with electric carts
	Climate Action & Awareness	70% of newly admitted students trained in sustainability practices
2028	Energy & Renewable	Solar panels installed generating 10% of campus electricity demand
	Water Management	Micro-irrigation covering 15% research farms and additional STP operational
	Waste & Plastic Management	35% of campus waste recycled or composted
	Biodiversity & Green Cover	10% increase in green cover and biodiversity parks established in 30% campuses/stations
	Sustainable Transport	15% student population using bicycles or eco-friendly transport
	Climate Action & Awareness	Green Campus Week conducted with ≥1000 participants
2029	Energy & Renewable	Renewable installations providing 20% campus electricity consumption
	Water Management	Rainwater harvesting installed in 25% campus buildings and additional STP commissioned
	Waste & Plastic Management	30% reduction in paper consumption through digital office systems
	Biodiversity & Green Cover	12% increase in green cover and biodiversity parks in 40% campuses/ stations
	Sustainable Transport	15% staff participating in carpooling or shared mobility
	Climate Action & Awareness	Baseline campus carbon footprint report prepared
2030	Energy & Renewable	30% campus electricity supplied through renewable energy sources
	Water Management	Grey water reuse supplying 15% irrigation demand
	Waste & Plastic Management	50% reduction in single-use plastic use across campus
	Biodiversity & Green Cover	15% increase in campus green cover and biodiversity parks in 50% campuses/stations
	Sustainable Transport	10% campus vehicle fleet converted to electric vehicles
	Climate Action & Awareness	80% campus community trained in sustainability practices

2031	Energy & Renewable	Renewable energy contribution reaches 40% of electricity consumption
	Water Management	30% research farm area under micro-irrigation systems
	Waste & Plastic Management	60% biodegradable waste composted
	Biodiversity & Green Cover	18% increase in green cover and biodiversity parks in 60% campuses/ stations
	Sustainable Transport	Electric transport meeting 15% campus mobility demand
	Climate Action & Awareness	Sustainability clubs functional in all colleges
2032	Energy & Renewable	45% renewable energy share including solar pumps
	Water Management	30% storm water runoff captured through recharge structures
	Waste & Plastic Management	100% safe handling and disposal of laboratory hazardous waste
	Biodiversity & Green Cover	20% improvement in campus biodiversity index
	Sustainable Transport	20% campus vehicles electric
	Climate Action & Awareness	10 climate-resilient technology demonstration units established
2033	Energy & Renewable	Renewable energy share reaches 50% of campus electricity demand
	Water Management	25% campus water reused for irrigation or landscaping
	Waste & Plastic Management	70% campus waste recycled and STPs functional in all campuses/ stations
	Biodiversity & Green Cover	22% increase in green cover and biodiversity parks in 80% campuses/ stations
	Sustainable Transport	25% students using bicycles/e-bikes
	Climate Action & Awareness	10% increase in campus carbon sequestration through plantations
2034	Energy & Renewable	Renewable energy contribution increases to 60% of campus electricity demand
	Water Management	20% reduction in campus water consumption from baseline
	Waste & Plastic Management	90% organic waste composted
	Biodiversity & Green Cover	25% increase in green cover and biodiversity parks in 90% campuses/ stations
	Sustainable Transport	40% campus vehicle fleet electric
	Climate Action & Awareness	Annual carbon accounting conducted for all departments
2035	Energy & Renewable	Renewable energy share reaches 70%
	Water Management	30% reduction in water consumption compared to baseline
	Waste & Plastic Management	90–95% waste diverted from landfill
	Biodiversity & Green Cover	30% increase in green cover and biodiversity parks in 100% campuses/ stations
	Sustainable Transport	50% campus transportation electric
	Climate Action & Awareness	Green Campus certification obtained
2036	Energy & Renewable	Renewable energy contribution reaches 75%
	Water Management	35% campus water reused or recycled
	Waste & Plastic Management	95% campus waste recycled or composted
	Biodiversity & Green Cover	32% increase in green cover
	Sustainable Transport	55% campus vehicles electric
	Climate Action & Awareness	Annual sustainability report published

2037	Energy & Renewable	Renewable energy share reaches 80%
	Water Management	35% reduction in water consumption compared to baseline
	Waste & Plastic Management	97% waste diverted from landfill
	Biodiversity & Green Cover	34% increase in green cover
	Sustainable Transport	60% campus mobility electric
	Climate Action & Awareness	Climate research and innovation hub established
2038	Energy & Renewable	Renewable energy provides 85% of electricity demand
	Water Management	40% campus water reused or recycled
	Waste & Plastic Management	98% campus waste recycled or composted
	Biodiversity & Green Cover	36% increase in green cover
	Sustainable Transport	65% campus vehicles electric
	Climate Action & Awareness	15% additional carbon sequestration plantation achieved
2039	Energy & Renewable	Renewable energy share reaches 90%
	Water Management	45% campus water reused across facilities
	Waste & Plastic Management	99% waste diverted from landfill
	Biodiversity & Green Cover	38% increase in green cover
	Sustainable Transport	70% electric mobility adoption
	Climate Action & Awareness	40% reduction in campus carbon emissions compared to baseline
2040	Energy & Renewable	95% campus electricity generated from renewable sources
	Water Management	50% reduction in campus water consumption from baseline
	Waste & Plastic Management	100% zero-waste campus achieved
	Biodiversity & Green Cover	40% increase in campus green cover achieved
	Sustainable Transport	75% campus transport electrified
	Climate Action & Awareness	Carbon-neutral campus status achieved

Annexure III: Major initiatives taken to implement the clean and green campus policy

S.No	Category	Initiative	Achievement
01	Green Campus	• Environmental protection and reclamation of degraded land • Cleaning of all the neglected areas in the campus which were under extreme shabby conditions. • Development of lawn behind Library from scratch. • Planting of different species, increasing the already established biodiversity of the campus. • Maintenance of all the lawn and landscaping areas of the campus. • Regular upkeep of lawns, gardens, hedges, and flower beds across the campus to ensure a clean and aesthetically pleasing environment. • Landscaping/ development of roadside areas of the main campus, particularly from Mosque to the Boys Hostel, Girls hostel to Directorate of Research, etc. • Sanitation of all the buildings in the main campus. • Coordinating with different Divisions of the University for Events, supervising landscaping staff/laborers and maintaining equipment.	• Plantation drive in main campus Shalimar was carried out on a massive scale. 1800 Plants like Golden Cupressus, Nerium Oleander, Loquat, olive etc were planted. Moreover, 22000 sqft of area was covered with lawn Grass. • 25000 Saplings have been planted on the southern degraded hill slopes of faculty of Forestry Benehama. • 1000 saplings were planted at Faculty of Agriculture, Wadura. • 1000 saplings were planted at Faculty of Veterinary Sciences & AH, Shuhama Alusteng. • Plantation drives were launched in different degraded areas including forest areas of Benihama Ganderbal where arboreal, indigenous and exotic species were planted such drives were also conducted at FoA Wadura and FOFy Rangil. • Lavendar and Rosemary Parks were established at Faculty of Forestry Benihama. • Use of plastic/ artificial flowers is banned in all campuses. • Environment friendly buildings for energy saving has been established throughout SKUAST-K. • Green Lawn with coverage area of 1.5 ha has been established for recreation and greening of the campus. • Ornamental plant resources, including trees, shrubs, and climbers; herbaceous ornamental plants covering 0.6 ha**;** and woody plant diversity contributing to aesthetic beauty, landscape coverage, and environmental protection has been established. • Playgrounds, resting areas, natural ground coverage and green patches covering 5 ha have been developed for students as an institutional initiative. • Aesthetic roads and drive ways of 5 ha for smooth mobility and increased connectivity have been developed in the FOA, Wadura.
02	Biodiversity conservation	Establishment of Bio-diversity Park Conservation of unique species	For conservation of germplasm, Biodiversity Park was established at Faculty of Forestry Benihama Ganderbal. More than 100 spp of indigenous and exotic plants e.g., *Ginkgo biloba*, *Betula utilis*, *Acer negando*, Rhododendron spp, Junipers spp have been planted in the park.
03	Clean and Green Campus recognition		Faculty of Forestry, Benhama has planted more than 1 lakh plants in the campus to make it a Green Campus.
04	Zero Waste	Waste recycling system for the first time in UT of J&K	• Around 1000 Waste Bins has been placed in the main campus Shalimar for waste disposal. • Setting up of Waste treatment plants at Shalimar campus under CSR initiative by J&K Bank • SKUAST-K is the only university in UT of J&K which has initiated Paperless examination from 2022 at UG Level, saved 22 lac pages/year amounting to 264 trees/year 44000 liters of water, 264 trees, 165,000 KW energy equipment to 17368 liters petrol.

05	Waste to Wealth	Conversion of Waste, old furniture put into use after repairs	• SKUAST-K turned old furniture into a useful resource through an initiative saving approx. 1.25cr and reducing environmental footprint. This initiative freed over 4000 sqft of valuable storage space at Shalimar campus • Waste processing sites have been established in KVKs for converting the waste from farm into compost. • Conservation of farm animals waste into vermi composting serves as a model for scientific waste utilization and revenue generation in all KVKs. • All the waste products, left over of the crops (leave, stubbed and weeds) from Advanced Research Station for Saffron & Temperate Seed Spices, Pampore are being decomposed and are used as manure which not only reduces the cost of purchasing of inputs especially fertilizer but shifting the practices towards integrated farming system. • The waste product in the laboratory is disposed scientifically and reusable items are used again after proper sterilization (Div of Animal Genetics & Breeding, FVSc & AH Shuhama). • The laboratories of various Division in FVSc & AH Shuhama, managed waste disposal through proper segregation, and effective sterilization, disinfection and disposal methods thus contributing to minimizing the negative impact of lab waste. • Conversion of Human Hair and Poultry waste into NPK rich organic fertilizer (FVSc & AH Shuhama). • Division of Veterinary Public Health FV Sc &AH Shuhama is encouraging the use of less hazardous materials, reusing lab equipment after proper sterilization, keeping in view the environmental responsibility of the Division within the university. • Farm waste is converted into compost for eco-friendly utilization, aligning with the principles of sustainable agriculture (FVSc & AH Shuhama). • Under HADP project No. 25, the sub-component "Poultry Farm Waste Management and Waste to Wealth" is actively being implemented (FVSc & AH Shuhama).
06	E-waste	Electronic Repairing cell (ERC) was established at main campus	Repairable electronic items including Laptops, Photocopiers and UPS units were shifted to ERC for restoration
07	Alternate sources of energy	Solar energy harvesting and Energy efficient appliances	• Around 2000 solar panels, 100 solar street lights, 5000 LED bulbs and 100 star rated appliances have been installed throughout various campuses of SKUAST-K. • Solar panels installed for recharging batteries of administrative building and separate solar panels for polyhouse batteries (KVK Budgam). • KVK Anantnag uses LED bulbs, contributing to significant reduction in electricity consumption. The station has also installed one solar based irrigation pump of 7.5 hp capacity through JKEDA during 2024 and is fully operational. • A 20 KW solar based power plant has been installed by JKEDA in Advanced Research Station for Saffron & Temperate Seed Spices, Pampore.
08	Sustainable/ Eco-friendly Agriculture	Organic Agriculture initiative taken under NAHEP to safeguard our environment	Organic input Resources and production center has been established at FOA, Wadura.

09	Solid/ Liquid waste management	Management of solid waste by adopting novel technologies	▪ Agri-waste generated from fields and dairy farms is converted into vermicompost across all campuses of University. Local microbial consortium has been developed at FOA Wadura under NAHEP. ▪ For the management of the waste of organic nature compostors have been installed in all hostels of the University. • In Girls Hostels sanitary napkin decomposers and segregation waste color coded dustbins have been installed. ▪ Vermicomposting pits of 10,000 cubic feet capacity are functional at KVK Budgam with a approximate production of about 100 quintals. ▪ Solid and Liquid waste generated at the campus is incorporated into field under natural farming practices ensuring safe and sustainable disposal and soil health enrichment (KVK Anantnag). ▪ A concrete vermi compost unit of 25 quintals/ annum has been constructed at the Advanced Research Station for Saffron & Temperate Seed Spices station Pampore which is operational and vermi compost produce is being used at this station. ▪ MLRI Manasbal has created a success model of solid waste management for demonstration purpose and revenue generation. The centre has 5 Organic Waste Decomposters and produced 434.5 tons of Vermi compost in last 03 years with a turnover of 65.23 lakhs.
10	Water conservation	To conserve water and enhance water-use efficiency in all campuses of SKUAST-K	• Micro irrigation fertigation system has been installed in Apple Orchards of Faculty of Horticulture SKUAST-K Shalimar • Runoff rain water harvesting structures have been constructed at FOF, Benehama Ganderbal located at hilly areas with barren and rocky soils. • Two rainwater harvesting structures were constructed and two others were renovated and upgraded in adopted village Shangrin under project TDC-NICRA (KVK, Anantnag). • A concrete sump has been constructed for rain water collection and later used for irrigation purpose at Advanced Research Station for Saffron & Temperate Seed Spices, Pampore.
11	Environmental Awareness programs	To integrate environmental consciousness into teaching, research, and extension activities	All the faculties, research stations and KVKs are involved in impacting education regarding environment through various training programs, awareness camps and workshops.

Reviewers' Comments

Dr. Khem Chand
Principal Scientist (Agricultural Economics)
Chairman, Project Monitoring and Evaluation Cell
ICAR-NAIP, New Delhi

"The Green & Sustainable Campuses Policy of SKUAST-K is a comprehensive and visionary document that represents one of the pioneering national initiatives for transforming university campuses into environmentally sustainable and climate-resilient ecosystems. The policy provides a well-structured roadmap with clearly defined strategies, measurable targets, and a long-term vision extending up to 2040. Its holistic approach towards environmental stewardship, resource efficiency, biodiversity conservation, and sustainable infrastructure development makes it a commendable model for other State Agricultural Universities and higher educational institutions across the country."

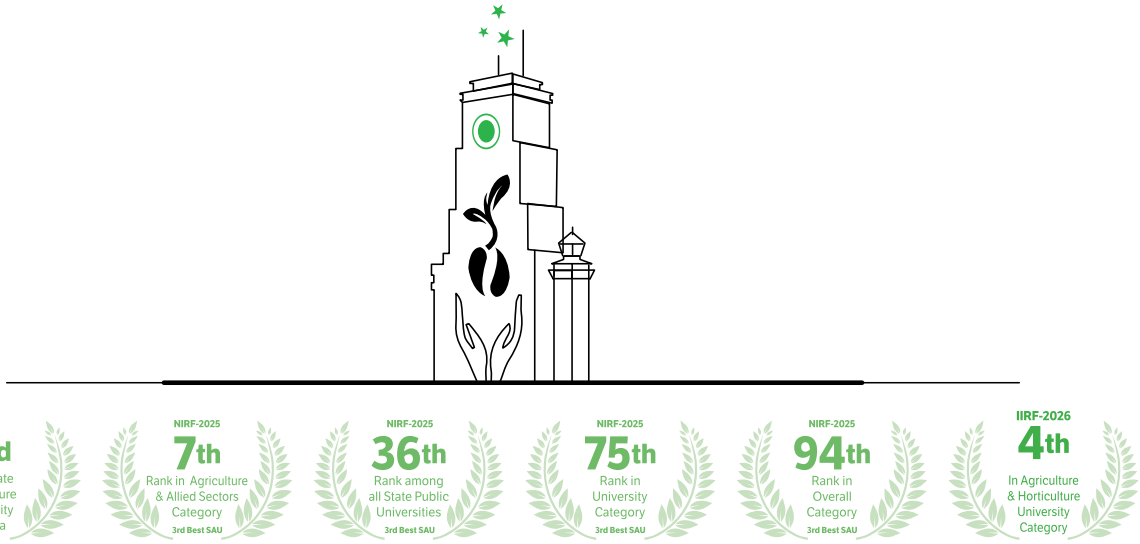
Dr. Srinivas Kondapi
Principal Scientist, (Agricultural Economics)
ICAR-NAARM, Hyderabad
Editor, Indian Journal of Agricultural Economics

"The Green & Sustainable Campuses Policy of SKUAST-K is comprehensive, ambitious, and well aligned with national priorities, Sustainable Development Goals (SDGs), climate resilience frameworks, and contemporary environmental management practices. The policy outlines a robust implementation roadmap up to 2040, supported by well-defined Key Performance Indicators (KPIs) for monitoring progress and ensuring accountability. It reflects a strong institutional commitment towards sustainability and serves as an exemplary framework for integrating environmental responsibility into campus governance and operations."

POLICY DOCUMENT

GREEN & SUSTAINABLE CAMPUSES

This policy document reflects SKUAST-K's dedication to green & sustainable campuses, and the concept of one health by sharing the purpose, key policy areas, implementation structure, SKUAST-K's transformative initiatives for green campuses, financial framework, expected challenges, mitigation strategies, implementation timeline and key performance indicators.



www.skuastkashmir.ac.in | facebook.com/KashmirSKUAST | twitter.com/skuast_kashmir

Citation:

Dar, N. A., Wani, S.A., Lone, F.A., Murtaza, S., Umar, I., Gargotra, P., Sofi, K. A., Masarat, B., Langoo, B.A., Berjees S.Z., Dar, A.A. and Ganai, N.A. (2026). Policy Document: (PD-01/DPM-IQAC/06-26) Green & Sustainable Campuses. Internal Quality Assurance Cell, Directorate of Planning and Monitoring SKUAST-Kashmir, Shalimar, Srinagar. P: 1-24.

Published by

Internal Quality Assurance Cell,
Directorate of Planning and Monitoring
Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir
Main Campus, Shalimar, Srinagar Kashmir (J&K) India-190025