JSS Academy of Higher Education & Research
(Deemed to be University)
Accredited 'A+' Grade by NAAC
Sri Shivarathreeshwara Nagara
Mysuru – 570 015, Karnataka, INDIA

SMART CAMPUS POLICY

I. INTRODUCTION:

JSS Academy of Higher Education & Research, Mysuru has established its state of art Campus using cutting edge technology. Smart campus theme is adopted and realigned with the Sustainable Development Goal of UNO under the broad 10 elements for smart campus initiative with the commitment of our social responsibility to our **environment** and for **our city and community** carved out in **'TOUCHING THE LIVES OF MILLIONS'**

For our environment

1. Ensure that the developments in JSS AHER are sustainable and do not have a negative impact on the environment.
2. Promote the concepts of the 3Rs of Reduction, Reuse and Recycling and eliminate, where possible, the use of non-degradable materials.
3. Aim for a continuous reduction of the carbon footprint of the Institution.
4. Provide equipment, training and other resources to ensure a healthy and safe environment for the students and staff.
5. Continuously work and evolve environmental improvements in the way we manage our transport, waste, and energy

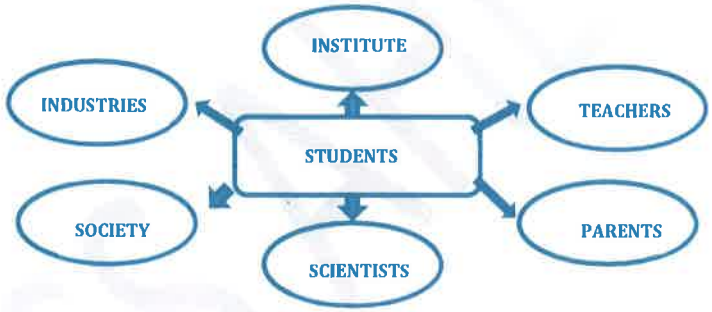
For our City and our Community

1. To work with the City of Mysore and regional partners to raise the health profile of the city and neighboring districts; and in partnership to help secure the economic, health, social and cultural regeneration of the City and region.
2. Make significant and major contributions through our Faculty to the Social Responsibility agenda including:
   - ✓ the training of the future health professional workforce
   - ✓ The ongoing support for health professionals
   - ✓ Support JSS Hospital to provide access to quality healthcare at affordable costs
   - ✓ Nurture and contribute to research that impacts healthcare and health policies and makes significant contribution to national and global health.
3. Working with young people in local schools: - to discuss health and science and its relevance to their everyday lives
   - ✓ to inspire them to consider careers in science and health
   - ✓ to devise creative and fun activities to help engage them
4. By involving the public/patients in our work to improve the quality of our teaching and healthcare delivery.

II. OBJECTIVE:

- ✓ Embed the use of smart technology into daily life of the campus; providing an opportunity for the development and application of innovation and technology to support a smart campus.
- ✓ Integrate an enhanced process and Programme focused on materials, security, health, transport, energy and environmental management.
- ✓ Focus on maintaining "Eco friendly institution" through best practices.
- ✓ Provide world class facilities and enabling nationally and internationally renowned industrial/institutional partners have to meaningful collaboration.
- ✓ To Provide value base education and to create responsible & responsive citizens.
- ✓ To ensure good health & wellbeing of the campus inmates & stakeholders.
- ✓ To Provide & ensure uninterrupted service.
- ✓ To maintain high standards of academic, education & research pursuit.
- ✓ Ensure to use resource Judiciously to Align/integrate smart campus elements with SDG's.
- ✓ To ensure reduced carbon "footprint" in all its Campuses and to achieve zero carbon footprint by 2030 as far as possible.

III. Our Stake Holders:



IV. Need assessment:

- ❖ Set clear strategies and goals
- ❖ Comprehensive approach
- ❖ Integrate students, faculty, staff and external partners
- ❖ Initiate pilot projects in areas required involving stakeholders & students.
- ❖ Plan policies, financial resources, facilities management, curriculum, sustainability literacy, ecosystems, land use, energy resources, etc.

V. Smart Campus elements:

1. Building & infrastructure
2. Education, learning & digitalization
3. Sports & recreation
4. Safety & security
5. Waste, water & air management
6. Utilities
7. Green environment resilience
8. Food & health
9. Services & connectivity
10. Governance

VI. Sub Parameters for Smart Campus Initiatives

Building & Infrastructure

- Accessibility
- Safety and Security
- Energy efficient
- Rain Water Harvesting
- Walkable campus
- Bicycle
- Sustainable Transport
- Road network
- Signage

Sports & Recreation

- Playgrounds
- Sport facilities-Indoor and Outdoor
- Recreational space
- Open Gym
- Yoga facilities
- Amusement park
- Open air theatre
- Swimming pool

Waste, Water & Air Management

- Sanitation and cleanliness
- STP
- Solid waste management
- Plastic waste management
- E-waste management
- Automatic sensor taps
- Air monitoring system

Green Environment Resilience

- Green Campus
- Landscaping
- Preserving open space
- Soil erosion control
- Ground water recharging

Services & Connectivity

- Online services
- Amenities- Bank, Food court, Stationery, pharmacy
- Wi-Fi Services
- LAN

Education, Learning & Digitization

- Smart Classroom
- E-Resources
- Wi-Fi Connectivity
- ICT Enabled services
- Modular Laboratories
- Innovation Centre
- Virtual Class and Laboratories
- Outreach Programmes

Safety & Security

- CCTV surveillance
- Fire alarms
- Fire fighting
- Peripheral safety
- Visitor management system
- Biometric system
- Anti-ragging
- Women safety/ICC
- Student counselling

Utilities

- Solar Projects
- Smart lighting System
- Emergency power backup
- Smart micro grids
- Bio-gas plant
- Kiosks

Food & Health

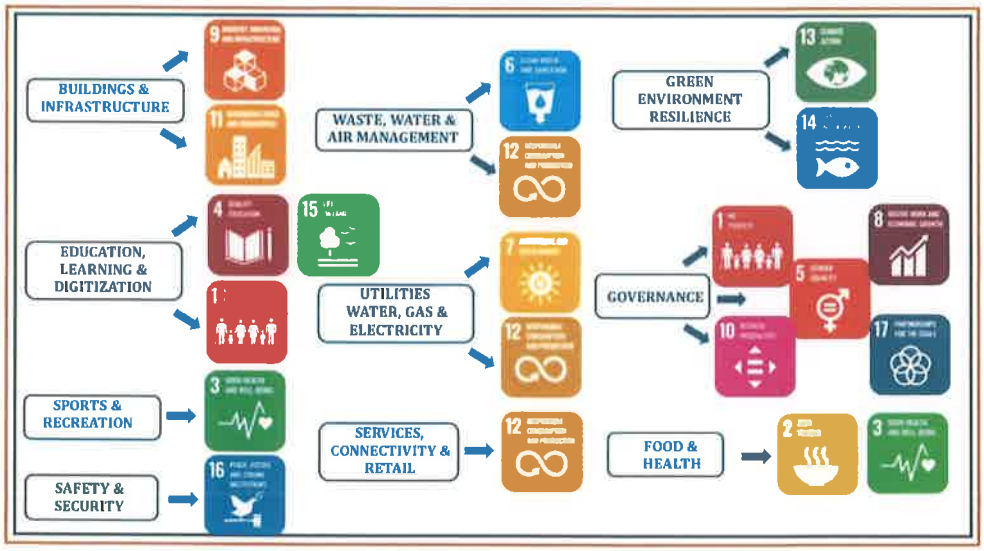
- Wellness Centre
- Health Centre
- Potable water facility
- Personal Hygiene
- Nutritional Values
- Dietary Components

Governance

- ERP
- Less paper Office
- Training and Development
- ART- Accountability, Responsibility, Transparency

INTEGRATION OF SDGs INTO KEY ELEMENTS OF SMART CAMPUS		
No	KEY ELEMENTS	SDGs
1	BUILDINGS & INFRASTRUCTURE	SDG 9 (Industry, Innovation & Infrastructure), SDG 11 (Sustainable Cities & Communities)
2	EDUCATION, LEARNING & DIGITISATION	SDG 4 (Quality Education), SDG 15 (Life on Land), SDG 1 (No Poverty)
3	SPORTS & RECREATION	SDG 3 (Good Health & Well- Being)
4	SAFETY & SECURITY	SDG 16 (Peace, Justice & Strong Institutions)
5	WASTE, WATER, AIR MANAGEMENT	SDG 6 (Clean Water & Sanitation), SDG 12 (Responsible Consumption & Production)
6	UTILITIES – WATER, GAS, ELECTRICITY	SDG 7 (Affordable & Clean Energy),SDG 12 (Responsible Consumption & Production)
7	SERVICES, CONNECTIVITY & RETAIL	SDG 12 (Responsible Consumption & Production)
8	GREEN ENVIRONMENT RESILIENCE	SDG 13 (Climate Action), SDG 14 (Life Below Water)
9	GOVERNANCE	SDG 1 (No Poverty), SDG 5 (Gender Equality), SDG 8 (Decent Work & Economic Growth), SDG 10 (Reduced Inequalities), SDG 17 (Partnerships for the Goals)
10	FOOD & HEALTH	SDG 2 (Zero Hunger), SDG 3 (Good Health & Well-Being)

VII. SMART CAMPUS INITIATIVES IN LINE WITH SUSTAINABLE DEVELOPMENT GOALS (SDGs OF THE UN)



VIII. Best practices: -

JSS Academy of Higher Education & Research emphasize on creation of a world-changing, connected, healthy and vibrant, ecofriendly, value-based campuses.

a. Governance:

- ✓ Create Healthy environment to support the mental, physical, and social wellbeing of the students and staff.
- ✓ Evaluate, understand, and improve the physical environment
- ✓ Develop new practices for workplace wellbeing.
- ✓ Develop the technology, to measure and influence health related behavior.

b. Students Centric:

- ✓ Safe and secure campus with homely atmosphere monitored round the clock.
- ✓ Dedicated band width with high-speed internet across its campuses and facilities to pursue their academic goals.
- ✓ Data-driven services and spaces for an improved student experience.
- ✓ Technology-enabled learning & teaching (including active learning, interactive teaching, flexible study).

c. ICT enabled:

- ✓ Open, flexible, integrated, interoperable, secure, and scalable ICT architecture.
- ✓ Physical security challenges in the campus be monitored through CCTV surveillance.
- ✓ Smart Portal for always establishing connectivity with students from entry to exit.

d. Environment Friendly:

- ✓ Resilient infrastructure systems and Innovation in infrastructure design and delivery.
- ✓ Ensure optimal utilization of resources with 3R's integral part of JSS and adopt safe/time-tested waste management protocols.
- ✓ Consumption pattern be observed through the meters/ registers provided for ease of monitoring its facilities for optimization & improvement to evolve suitable measure for ethical use of resources to the extent possible.
- ✓ Low carbon, low impact energy in a complex urban environment, focusing on generation, storage, distribution, and management.
- ✓ Adopt an energy / resources conservation and ensure cost-effective, energy-efficient approach with consideration given for flexibility of use and future remodeling convenience to achieve the lowest feasible life cycle costs.
- ✓ Encourage recycling efforts across the Institution/department at all levels.
- ✓ Follow the related policies and relevant guideline in place like Campus Maintenance Policy, Transport Policy, Infrastructure Policy, Energy Conservation & Recycling Policy, Waste Management Policy....

IX. Reference Document:

- The Swachh Bharat Mission (Urban) guidelines, Government of India.
- National conservation strategy and policy statement on environment and development, Government of India.
- National Cyber Security Policy, Ministry of Communication and Information Technology, Government of India.

X. AUTHORITY:

The Vice-Chancellor, Registrar & Deputy Registrar (Sr. Grade) of the Academy holds delegated authority and is responsible for overseeing and implementation of all aspects of the JSS Academy of Higher Education & Research's "SMART CAMPUS POLICY".

- The Campus Facilities Maintenance & Management Authority shall be the Principal coordinator & Constituent units are responsible for implementation of this policy.

XI. Date of implementation:

This policy will come into immediate effect from 01.01.2022

XII. Date of revision:

01.01.2024

REGISTRAR

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