



KLE Society's  
**S. NIJALINGAPPA COLLEGE**



II-Block, Rajajinagar, Bengaluru-10  
*Re-accredited by NAAC at A<sup>+</sup> grade with 3.53 CGPA*  
*College with UGC-STRIDE Component – I*  
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**The Green Campus, Energy and Environment Policy**  
(Revised on 2019)



**INTERNAL QUALITY ASSURANCE CELL**





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## **The Green Campus, Energy and Environment Policy**

### **Preamble**

Being a part of higher education system institute is committed to develop the awareness regarding sustainable use of campus environment for minimum utilisation of energy and to maintain clean & hygienic society.

College is located in heart of the globally recognized silicon city Bengaluru in Rajajinagar with longitude **12.9963° N** and latitude **77.5531° E**. The separate building blocks are well established in 4.93 acres of area. The campus is categorised into block A, B, C, D, E, F, G & CS inclusive of administrative, library and Gymkhana.

Since 1963, the college has always had sustainable initiatives to monitor optimum utilisation of land, ground water, underground drainage system, solar energy, safe electric grid, harvesting rain water to recharge bore-wells, scientific separation of garbage and hygienic RO drinking water unit.

Campus with 60% of open area, 20% of lush green lawns, well maintained gardens, two shade houses for medicinal plants, three water fountains and sufficient trees to maintain carbon neutrality. Eco-club, Phyton club NSS, NCC, volunteers, organize and participate in several environment awareness programmes.

### **Scope**

The Green Campus, Energy and Environment Policy will initiate and to organize new co-curricular and extracurricular practices that encourage students to take the lead in creating positive change. These initiatives provoke all the stakeholders to follow the well-defined rules and regulations of the policy in teaching, learning and administrative functions of the college with respect to the energy efficiency, sustainability and clean environment.

## **The salient features of the policy:**

### **1. Awareness programme initiatives**

### **2. Proper maintenance of infrastructure**

- i. Annual building insurance includes fire/ natural disaster/ electric short circuit
- ii. Annual Maintenance Charges
- iii. Resident engineering section for regular infrastructure maintenance
- iv. Generator unit with AMC
- v. Inverter and UPS
- vi. LED electric lighting system with common switch
- vii. Energy efficient electric appliances
- viii. Solar Power Unit for Physics lab and campus
- ix. Water Conservation through Rainwater Harvesting System
- x. Well-designed UGD system

### **3. Clean Campus Initiatives**

- i. Plastic-Free Campus
- ii. Vehicle free campus
- iii. Promoting bicycle and mass transportation (BMTTC, BMCRL)
- iv. Separate bins for dry and wet waste
- v. Outsourced House keeping

### **4. Landscaping**

- i. Lawns, potted plants, shrubs and trees along the building sides
- ii. Water fountain and Stone Water falls

### **5. Clean Air Initiatives**

- i. Smoking Free Campus
- ii. Chimneys for Kitchens
- iii. Fume hoods in chemistry labs
- iv. Exhaust fans in labs and cellars

### **6. Waste Management processes**

- i. Solid Waste Management –
  - non-recycling garbage is collected by BBMP

- Vermicomposting unit (recycling of garden and kitchen waste)
  - Maximum use of digital networking to reduce paper usage
  - Reuse of single used papers for documents
- ii. Liquid Waste Management
- Recycling organic solvents in chemistry labs
  - Neutralization of acids and alkalis before drainage
- iii. E-Waste Management
- Disposal of E-waste through MoU

## **7. Awareness Initiatives**

- i. Environment-centric Student Societies and Department Activities
- ii. Eco-club Prakruti organize rallies with placards, awareness programmes, commemoration days, national and international water day, ozone day, earth day, environment day, biodiversity day celebrations.
- iii. Conduct of quiz, elocution, debate, poster, collage preparation, best out of waste competitions.

## **8. Environment, Green and Energy Audit**

- i. Internal Audit committee- department of botany, zoology, biotechnology, chemistry and physics departments conduct audit regularly.

- 9. External Audit Committee-** PG Department of Environmental Science, Bangalore University conducts regularly on Environment, Green and Energy Audit and recommend the new suggestions to develop eco-friendly activities.

## **Objectives of the Policy**

- i. To protect and conserve ecological systems and resources within the campus by sustainable utilisation
- ii. To ensure adequate use of environmental resources to meet the needs and to prevent pollution
- iii. To integrate environmental concerns into co-curricular, extra-curricular activities, policies and future plans
- iv. To organize the programmes for social development and outreach activities through IQAC initiatives

- v. To involve all the stakeholders and the local community to raise awareness about pollution and their adverse effect upon human and environment
- vi. To organize state/ national level seminars and conferences to contribute towards the world climatic change and conservation of nature & natural resources
- vii. To continuously improve the efficient use of all resources energy and resources to reduce adverse effect
- viii. To ban single use plastic materials
- ix. To minimize the use of paper in administration through having policy for E-governance.

## **Guidelines**

### **1. Awareness programme initiatives**

- i. IQAC should initiate the departments to design the timeline chart to organize awareness programmes.
- ii. All the departments should get the approval for events in IQAC meeting
- iii. Head of the Institute should allot the budget to the events and must be approved by college development committee and finance committee
- iv. All the awareness programmes like commemoration days, national and international water day, ozone day, earth day, environment day, biodiversity day celebrations in association with NSS, NCC, YRC, Eco-club and department associations
- v. The calendar of such events should be displayed in college website student notice board and college social media handles
- vi. The report of activities should be published in college bulletin for the stakeholders circulation

### **2. Proper maintenance of infrastructure**

- i. Admin staff should renew the building insurance and AMC regularly with permission of principal
- ii. HoDs and Coordinators should report any kind of civil or maintenance work to the principal. Principal will recommend the resident engineer to be workdone with permission of the management
- iii. All the generators, Inverter, UPS, electrical appliances, solar lighting system should be get serviced with prior permission of the principal.

### **3. Clean Campus Initiatives**

- i. In the beginning of the academic year during student orientation programme all the students are pledged with the oath to maintain the cleanliness and hygienic campus with active participation
- ii. In cafeteria, canteen only high quality recycled paper or cloth bags to prevent the plastic usage
- iii. All the faculty and students of use mass transportation/ bicycle once in week compulsorily  
Institute Vehicle free campus
- iv. No any vehicles are allowed in the campus
- v. All the stake holders strictly use the bins kept in every corner of the campus
- vi. Outsourced Housekeeping employees should keep the campus clean

### **4. Landscaping Initiatives**

- i. To keep the campus green and calm the Lawns, garden, potted plants, shrubs and trees are well maintained by scientific watering and organic fertilizers under the supervision of botany department.
- ii. Gardner and technicians should maintain the water fountain and Stone Water falls in good working condition. Unscientific storage of water should be prevented to curb the mosquito population. During rainy seasons the fogging or mosquito repellents are applied to prevent the contagious diseases.

### **5. Clean Air Initiatives**

- i. Smoking, chewing of tobacco products is strictly banned, otherwise the stakeholders are subjected to high penalty.
- ii. Chimneys in BHM & chemistry departments should be elevated & maintained properly.
- iii. Exhaust fans, refrigerators, AC units and science equipments should be get serviced regularly.

### **6. Waste Management processes**

- i. Solid Waste Management –
  - All the stakeholders should be educated to dump the dry & wet waste in separate chambers of bins. further kitchen waste and litter should be recycled by vermi compost unit of the campus.

- All the admin staff and faculty should reuse the blank papers & should follow the digital documentation & display to conserve the trees.
- ii. Liquid Waste Management
- In chemistry laboratory the students & teachers should use acids and alkalis in micro scale & must be drained after complete dilution.
- iii. E-Waste Management
- The irreparable electronic gadgets like mobile phones, calculators and computer accessories should be pooled once in a quarter & should be handover to the collaborated company for safe disposal.

## **7. Environment, Green and Energy Audit**

Internal Audit committee should be constituted by the principal and include the students & faculty of botany, zoology, biotechnology, chemistry and physics departments to conduct internal audit regularly. The committee should report & suggest the initiatives for better maintenance of campus.

8. The institute should outsource the assignment of Audit to a reputed organisation or company for environment, green & energy analysis. The Committee should submit the report with the compliances and the control measurements to the authority of the college.