



# LALIT NARAYAN MITHILA UNIVERSITY

Kameshwaranagar, Darbhanga-846008

## THE GREEN POLICY OF LALIT NARAYAN MITHILA UNIVERSITY

### Vision

Lalit Narayan Mithila University endeavours to achieve a human-environment co-existence based on the philosophy of "मातापूभिपुत्रोहंपृथिव्याः-अथर्ववेद (12-1-12)\*\* "Earth is my mother and we are her children".

### Mission

The Green Policy of the University visualizes setting up a national and international benchmark for an environmentally and socially sustainable campus, through action plans for environmental education, management and promoting the concept of "liberation through knowledge". The unit will show cause, spread and share the knowledge among the community.

### Objectives of the Policy

- ❖ **Planning** - The Green Policy of the University will help in integrate environmental consciousness and concerns in its day-to-day activities. It will serve as a guiding force in its future endeavors as well. The University shall abide by the regulations outlined in its Green Policy while charting out plans for future developments such as infrastructure development, and other developmental activities. In addition, the University shall comply with all applicable legislation, regulations and codes of conduct related to the Green Protocol stipulated by the State Government and Govt. of India.
- ❖ **Environmental Education Awareness & Promotion** - To endorse a commitment to sustainable development through all means. The University shall adopt best practices for environmental protection; observe conservation and honour environmental laws, regulations and standards. The University will strive to educate all its stakeholders to emerge as eco-conscious global citizens. It will motivate them to protect our natural resources, foster a university culture that supports and promotes the values and principles of social and environmental sustainability, and work toward a sustainable and just future in cooperation with organizations at the local, state, national and global levels.
- ❖ **Conservation of Campus Ecosystem** - To motivate the University to maintain and increase the green cover area of its campus in the coming years. While increasing green area, native species of flora suitable for this eco-system should be given priority. Periodic investigations into the spread of invasive species that tamper with the ecological balance of the university campus should be conducted and

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measures should be taken up to control the spread. As the university campus is located in a wetland ecosystem, efforts would be taken to map and preserve the existing wetland areas within the campus. The identity of the university campus could be built around such an ecosystem

- ❖ **Promotions of Green Energy** - To reduce energy consumption, reduce the wastage of energy and explore renewable energy sources. To do this, the university shall establish and maintain strategic partnerships with student and teaching communities, local governments, private companies and non-governmental organizations (NGOs) to develop and promote sustainable practices and to identify and address sustainability challenges in the energy sector.
- ❖ **Waste Management** - To adopt the policy of Reduce, Reuse and Recycle of the waste generated in the University. University shall implement sound long-term waste management strategies to reduce overall waste production and increase the recycled component of the waste stream.
- ❖ **Adoption of eco-friendly system** - To pave the way toward implementing the use of eco-friendly technologies for utilizing natural resources efficiently. Give guidance to the university to so modify its sale and purchase procedures to promote those products and services that cause the least harm to the environment. This shall include supporting alternative eco-friendly, products made locally. It reflects also the fair trade commitments. Repair and reuse, setting aside maintenance funds and ensuring long-term use of products purchase should be given priority before going in for new products.
- ❖ **Green Audit:** To create awareness regarding the environmental impact and promote the reduction in carbon footprints. The university shall go in for environmental auditing in consultation with the experts and with the participation of the university community annually. Necessary measures to address the issues raised in the audit report be given high priority.
- ❖ **Establishment of UGTF:** The Green Policy emphasizes to set up/establish the University Environment Task Force (UGTF). This will be empowered to advise University to take decisions and execute them regarding the sustainable environmental management of the university campus

## The structure and functions of the University Green Task Force (UGTF)

- The UGTF will be constituted with representatives from faculty members, student's community, administrative staff, engineering staff, and the sanitation/cleaning staff, nominated by the Vice-Chancellor.
- Pro-Vice-Chancellor of the University shall chair this Task Force.
- The Task Force would be constituted for a period of two years.

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- The Task Force will be entrusted with the task of preparing action plans according to the national & state green policies adopted by the University and would give necessary guidance to the various departments in the university to implement the action plans.
- The Task Force should be empowered with the task of ensuring that the environmental sustainability of the university is considered as of the utmost importance and with approving the university development plans with minimum harm done to the existing biodiversity and ecology of the campus.
- The Task Force will also be in charge of designing and implementing various awareness campaigns to achieve the Green Campus status.
- The Task Force will guide the various units of the University campus to ascertain the implementation of Green Policy. Including inspection visits to ensure proper implementation.
- The Task Force shall ensure that interdisciplinary courses that address ecological concerns are designed and taught in the university at different levels. The Task Force shall also work towards promoting interdisciplinary research that promotes ecological concerns.
- Specially invited guests from outside the university like Panchayat members; environmental activists; Forest department officials, and members from research institutes shall be initiated to attend meetings as consultants as and when considered necessary by the Task Force, especially while considering development plans that could affect the society at large. But, the decisions shall be taken with the consent of the two-third majority of the members in the Task Force.

## Key action areas under the Green Policy are given below:

### 1. Energy management

- The University will try and meet its energy needs by using local and renewable / green energy sources upto 50%.
- Reduce electricity consumption -Awareness programmes on containing energy wastage will be conducted to sensitize all the stakeholders and society at large.
- Low energy LED lights 100 in number should replace high consumption lights in phase wise manner.
- The Sensor based solar/green energy lights should be installed at strategic locations. Faulty and non-functional solar lights to be repaired/replaced.
- All electronic appliances AC, Fans and Refrigerator should be replaced with energy efficient (At least BEE\*\*\*) units.
- The dependence on solar/green energy should be increased. For this, the university should explore the possibilities of obtaining CSR funds. University has large roof top area which could be fitted with solar energy panels. University should thrive to become completely self-reliant for its energy requirements. Class rooms and labs to be equipped with Solar energy system.



- Natural Sunlight would be used with supportive technology based equipment in the classrooms to reduce the consumption of electricity.
- As an academic input for better energy management, an inter-disciplinary AECC/ SEC/ Value both in UG& PG Program added course on human ecology and renewable energy could be introduced. This will prepare students to become advocates for the ecological integrity of the climate of the planet and give them tools to influence change in their chosen professions and communities.

## 2. Waste Management

- Efforts should be taken to build up a fully functional system for waste management, which should rest on the principles of reducing, reusing, repairing, redesigning, replenishing, refusing, reconsidering and recycle
- Building up a system – A designated space will be allocated for collecting solid and e-waste of the campus by the Estate Office. The departmental councils of respective university departments will identify the solid waste and e-waste in their departments and will make stock entry of the material to be discarded i.e. old AC, old battery, furniture, papers etc. The departments will submit this report to the Estate Office annually. Further, the Estate Office will make necessary arrangements to get the discarded material from each department and deposit it at the designated place. A panel of vendors, including those who are capable of managing e-waste and solid waste, should be prepared for periodic waste removal.
- The fine arts department could be roped in to find out possibilities of creating “wealth from the waste” generated from within the university like, installations, gardens that would ensure the up-cycling of solid wastes.
- Reducing the paper wastes through relying more on electronic devices at all levels, including governance, examinations, admission, finance etc. e-governanceshould beensured.
- Recycle paper products like files, folders etc. prepared in house/ purchased should be promoted and used by university offices.
- Solid waste management at in-situ level- Composting pit would be constructed for managing bio-degradable waste like dry leaves, grass, used tea bags/leaves to prepare organic manure. Five sites for creating composting pits are identified:
  - i. Nargauna palace.
  - ii. Behind Chemistry department.
  - iii. Faculty of Commerce and MBA campus.
  - iv. Administrative office near new examination building.
  - v. Raj Motor Garage.

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- Awareness programmes would be organized for the University community on waste management and wastesegregation on regular basis.
- The system for waste segregation and storing should be put firmly in place by installing separate 10x2 pole hanging dustbins for plastic waste and non-bio degradable waste and degradable waste.

### 3. Water Management

The geographic location of the university provides it with unique opportunities and constraints.

- **Rainwater harvesting** - the buildings constructed in the university in future and presently under construction should be provided with rainwater harvesting facilities and after proper filtration, the rainwater could be utilized for groundwater recharging and could be stored in ponds.
- **Revival and cleaning of ponds** - Hydroponics can be introduced in the ponds for natural cleaning and beautification. Regular digging up (Ugahi) of ponds for rejuvenation and recharge. The existing connecting system of ponds needs repair and renovation. Sewage and drain water should not be allowed to enter the ponds. Approvable treatment plant should be provided to treat the water entering all ponds.
- Lemon grass to be planted around lakes. This grass has medicinal and aesthetic values.
- **A Drainage map** of the university should be prepared which would be the basis for watershed management and landscaping.
- Awareness campaigns on reducing the water wastage in the university.

### 4. Green Campus

- The Green cover area of the campus shall be maintained and increased by at least 20%. While increasing green areas, native species of flora suitable for this ecosystem should be given importance. The sides of the roads should be planted with trees and especially native fruit trees which would delight the students in future.
- Miyawaki technique could be applied to increase biodiversity in limited space which could be the green lungs of the campus. Miyawaki technique is named after the Japanese botanist Akira Miyawaki, the Miyawaki method is a forest regeneration technique that aims to recreate self-sustaining multi-layered indigenous forests on degraded land with little to no human intervention.
- A tree survey of the entire campus should be done. Every tree should be mapped given a unique number.

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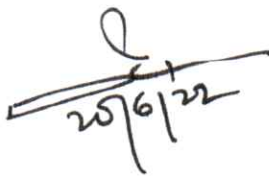
- Artificial forest would be created through social forestry behind Nargauna Palace.

## 5. Auditing

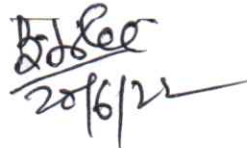
A third party green audit, environment audit and energy audit of the University campus should be done every five years.


## 6. Other measures

- Guide the university administration to establish and maintain an environmental and socially sustainable campus and its allied units.
- Spreading and educating the community through awareness programs and sharing knowledge.
- Setting up a task force to prepare plans and proposals to achieve the green target also to look after the execution and implement action.
- Staff and students should be advised to use public transportation systems and vehicle pooling.
- Walking pathways and seats at different locations within the campus so that students are open to the effects of the environment in their daily interaction.
- Campus to be declared as free from stray animals, tobacco, Gutkha, plastic and vendor. No spitting of Paan/Gutkahetc at public places would be allowed.
- Mosquito traps and regular inspection of mosquito breeding areas need to be carried out.
- Green buildings should be built in future.

  
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