



**SREE
NARAYANA
COLLEGE
KOLLAM**

POLICY DOCUMENT: Energy Audit

Sree Narayana College has adopted an efficient energy management strategy that is implemented on campus with a high level of energy efficiency and an increasing rate of using renewable energy to help increase the campus' resilience to climate change. Our college annually conducts an energy audit to keep track of the institution's energy use pattern and the identification of locations where appropriate techno-economic approaches could be used to save energy and money. This strategy is reviewed on a regular basis and implemented by the stakeholders.

To ensure the efficient usage inside the campus, our institution has adopted various policies such as:

- Ensure optimal energy procurement and use throughout the institution.
- Reducing energy costs and waste while maintaining normal operations.
- An external Energy Management Expert will be assigned to provide guidance on initiatives related to energy conservation and energy transition.
- Annually review the Energy Conservation Strategy, monitor progress, and set measurable and achievable targets.
- Reduce emissions from energy use by the institution by ensuring that every stakeholder on campus commits to doing so.
- Maintain an energy efficiency and waste to energy policy that embraces green energy and energy efficiency.
- The Energy Audit should be conducted, involving staff and students, with all viable recommendations of the external expert/consultant being followed up.
- Using energy sources in a way that reduces their harmful effects on the environment.

- Installation of 20 solar panels in our campus with an average energy production of 40 units per day. The main building chiefly utilizes the energy generated from the solar power unit.
- The additional electricity generated is sold back to the grid in accordance with the agreement with the KSEB.
- The campus' biogas plant converts organic waste from the canteen and agricultural waste into renewable energy with biogas as a cost-effective and sustainable solution. Besides creating a source of energy, it also reduces the college's energy costs, cooking expenses and waste management.
- In addition to saving energy and creating a healthier and more comfortable campus environment, LED lights provide significant energy savings and environmental benefits.
- The installation of energy-efficient fixtures around the campus.