



Evidence(s) THE-Impact Ranking



University : Sri Sri University
Country : India
Web Address : www.srisriuniversity.edu.in

SDG11: SUSTAINABLE CITIES & COMMUNITIES

11.4.8

Planning development - new build standards

The Sri Sri University has been taking steps to embrace the pillars of sustainability as a whole since it also improves the quality of campus life. It is working hard to find viable answers to build a more inventive, inclusive, and sustainable green space on campus that is constructed of sustainable materials.

The Gurukul building on campus is a sustainable structure constructed in the classic vernacular form using rammed earth. Rammed earth is used because it offers greater thermal mass, temperature and noise management, strength and durability, low maintenance, and fire resistance because the university is located in a hot and humid region of Odisha. Because laterite is a naturally occurring stone with cooling properties, it is also widely employed in construction projects due to its affordability, environmental friendliness, low energy consumption, and low toxicity during production and application. Jack arches, which are used to form the roof, have the benefit of being made of very light and manageable pieces of material.

The openings below the jack roof, in the Gurukul building are provided with traditional coir mats which when sprinkled with water gives a cooling effect during day time in hot summer and the mats can be rolled during night to let in cool breeze.



Figure 01: Gurukul Building (Vedic school)



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Figure 02: Achievements of SSU in gaining Sustainability

Description:

- Natural lighting and ventilation, sustainable design, water efficient appliances, energy efficient appliances and natural stone (Laterite) is used in the construction of the building.
- Sri Sri University received “Green Champion National Award” in 2018 by Indian Green Building Council.
- A student chapter of IGBC started in 2018 to impart education on Green Architecture and inspire students for a sustainable tomorrow.