

Energy Efficient Buildings, a Sustainable Campus Planning Approach

Akansha Masih

Faculty, Department of Architecture and Interior Design,
Government Women's Polytechnic College, Indore

Abstract: *Sustainable energy initiatives are one of the substantial measures toward achieving environmental sustainability goals and should be adopted by facilities management practices in university. In order to evaluate the potential and capability for energy conservation, a research has been conducted for both newly constructed and existing structures. In order to achieve energy efficiency in buildings while keeping an eye on costs, the research paper discusses the several energy-saving approaches that can be included during the planning, designing, construction, and execution stages. The case study was taken as women's Polytechnic college campus, Indore. This study hypothesizes that achieving the goal of sustainability of a nation starts with a small neighbourhood. At present the green campus initiative is only on papers. But through this research paper, feasible strategies will be given that can be implemented in a small area which can later be translated to big areas.*

Keywords: Sustainable Energy; Energy Conservation; Energy Efficiency; Sustainable building; green campus