



Progress Report on SDG 11

Rajshahi University of Engineering & Technology (RUET)

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Sustainable Cities and Communities at Rajshahi University of Engineering & Technology (RUET)

RUET is committed to promoting inclusive, safe, resilient and sustainable communities, in alignment with **Sustainable Development Goal 11**. The university's efforts span campus infrastructure, research on urban sustainability, and community engagement—ensuring that both the institution and its surrounding region thrive together.

Key Highlights

- RUET's campus spans approximately **152 acres** ($\approx 0.615 \text{ km}^2$), described as an evergreen, "green-campus" with landscaped gardens of mango, litchi, coconut and deodaru trees. [RUET+2RUET+2](#)
- The department of Building Engineering & Construction Management at RUET published a paper "*Advancing Green Building Design in Bangladesh: Empowering Sustainability with Polyurethane Foam for High-Performance Insulation and Eco-Friendly Construction*" (Oct 2023) demonstrating active research into sustainable built environment practices. icpaceruet.org
- A campus-based renewable-energy assessment reported that RUET receives on average **4–6.5 kWh/m² per day** of solar radiation, underlining the physical potential of the campus for sustainable infrastructure deployment. [Memorial University Research Library](#)
- RUET maintains accessibility and connectivity: its urban site is about 4 km (≈ 10 minutes' drive) from the Rajshahi railway station and bus terminal, and 8 km from Shah Makhdum Airport, ensuring students, staff and visitors can engage easily with the broader city and region. ipe.ruet.ac.bd+1
- The university incorporates community-oriented zones: residences, academic blocks, cultural and recreational spaces are clearly demarcated, enabling both student life and urban-adjacent public use. [RUET+1](#)

Impact & Next Steps

By embedding green infrastructure within its campus, conducting research on sustainable building and energy systems, and maintaining strong urban-connectivity, RUET is positioning itself as a model for sustainable communities in Bangladesh.

Planned directions for improvement include:

- Publishing quantitative indicators such as **area (hectares) under green space**, **percentage of campus energy derived from renewable sources**, and **number of urban-sustainability research projects**.
- Developing demonstration sites on-campus—such as vertical farms, rain-water harvesting zones or smart green zones—that serve both educational and community-benefit purposes.
- Strengthening partnerships with the local municipal authority of Rajshahi city to pilot smart-city / green-city initiatives that involve students, faculty and local residents.
- Increasing community outreach by organising annual urban-sustainability challenges or hackathons for local schools and urban neighbourhoods, thus embedding RUET's impact beyond campus walls.