TECHNO INTERNATIONAL NEW TOWN
(Formerly known as Techno India College of Technology)
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Energy-Saving Measures & Use of Renewable Energy

Techno International New Town (TINT) has made significant strides in its commitment to sustainability and environmental stewardship. Recognizing the urgency of addressing climate change and reducing carbon footprints, TINT has implemented a series of innovative measures to save energy and utilize renewable energy resources. These initiatives reflect the institution's dedication to fostering a greener campus and caring for the planet. TINT is actively contributing to the reduction of its carbon footprint and promoting the use of renewable energy sources.

- **Solar Energy Integration**
- **Smart Lighting and Fan Systems**
- **Light-Sensor Based Outdoor Lighting**
- **Power-Saving LED Lights**

Solar Energy Integration

A cornerstone of TINT's green initiative is the integration of solar energy. The college has installed solar panels on the rooftops of its buildings, which now supply a portion of the campus's power requirements. This shift towards solar energy not only reduces reliance on non-renewable energy sources but also decreases greenhouse gas emissions, contributing to a cleaner environment.

Photographs of Roof-top Solar Cells at TINT:

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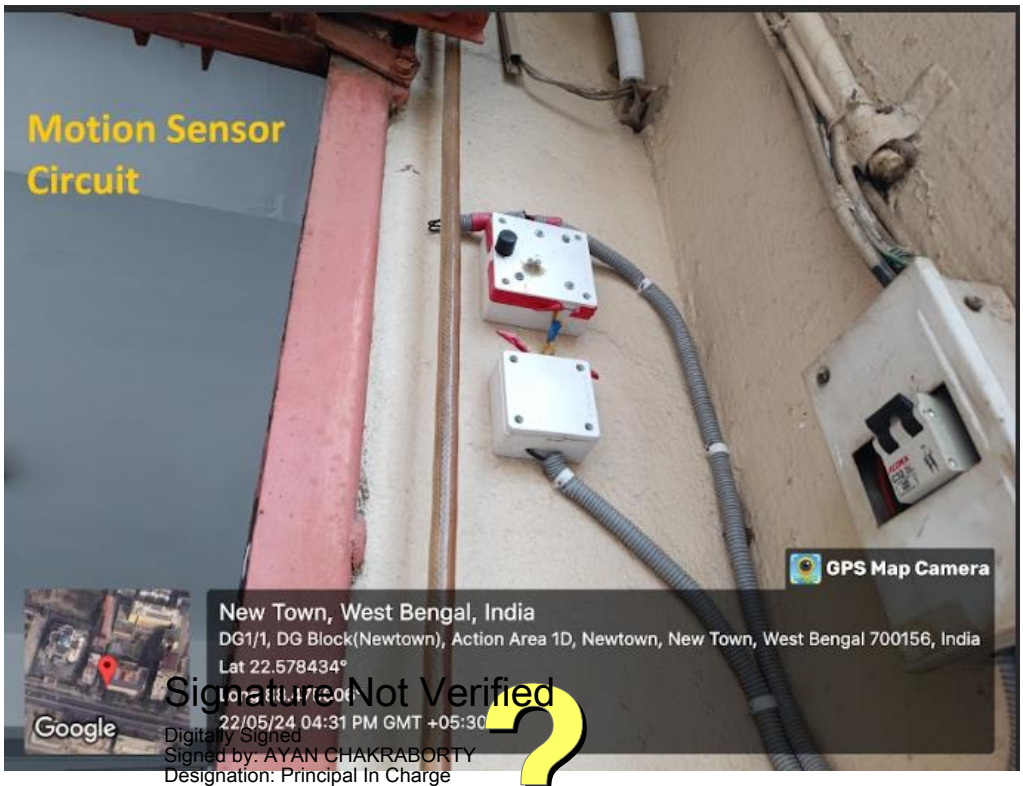
Smart Lighting and Fan Systems

To further enhance energy efficiency, TINT has adopted advanced lighting and fan systems based on motion-sensor technology. Classrooms and toilets are now equipped with motion-sensor based lights and fans that activate only when the presence of individuals is detected. This measure significantly reduces unnecessary energy consumption, ensuring that power is used only when needed.

Photographs of Motion-Sensor Based Power System:



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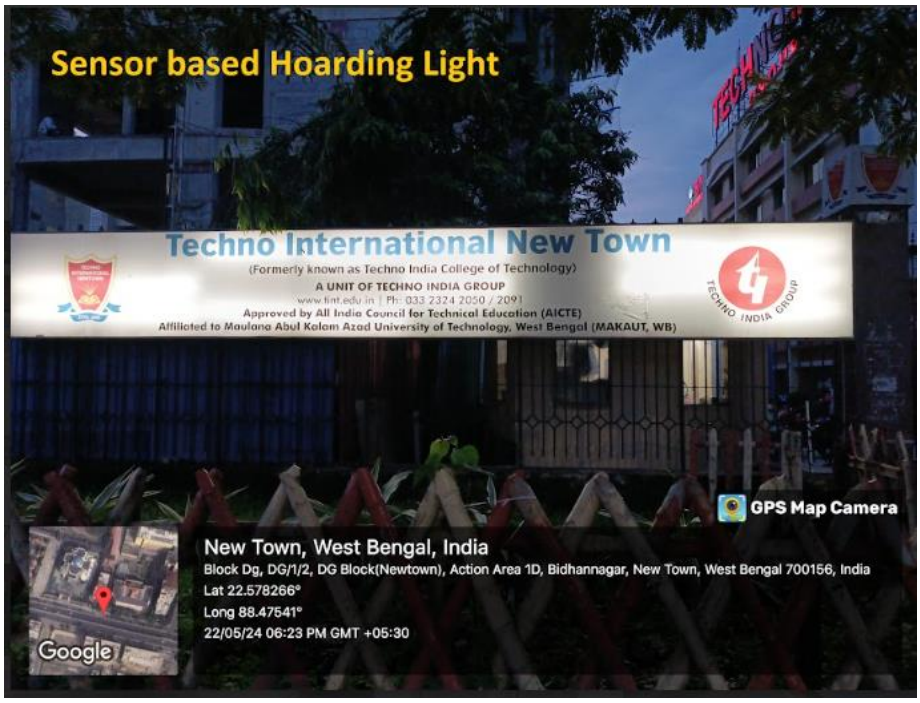
Light-Sensor Based Outdoor Lighting

The college has also implemented light-sensor based lighting systems for glow signs and outdoor open-space lighting within the campus. These lights automatically adjust their intensity based on the natural light available, optimizing energy usage and providing illumination only when necessary. This technology ensures effective energy management while maintaining adequate lighting for safety and visibility.

Photographs of Light-Sensor Based Outdoor Lighting:



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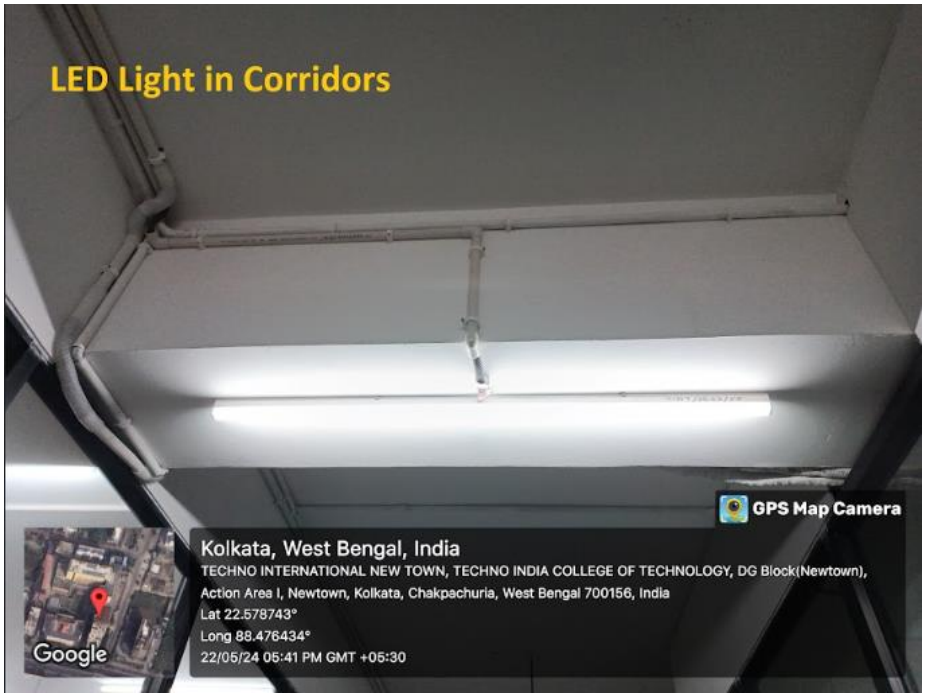
Power-Saving LED Lights

In a move to enhance energy efficiency across the campus, TINT has replaced traditional lighting with power-saving LED lights. LEDs consume significantly less energy compared to conventional bulbs and have a longer lifespan, reducing both energy consumption and maintenance costs. This transition underscores TINT's commitment to adopting sustainable practices.

Photographs of LED Lights in Campus:



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TINT's proactive approach towards energy efficiency and renewable energy utilization sets a commendable example for educational institutions and organizations. These initiatives not only demonstrate TINT's dedication to sustainability but also play a critical role in nurturing a culture of environmental responsibility among students and staff. As TINT continues to innovate and expand its green initiatives, it stands as a beacon of progress in the global effort to protect and preserve our planet for future generations.