Shobhit University
EDUCATION EMPOWERS

nirf
Top 101-125 Band in Pharmacy

CRITERION 7 - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1.2 THE INSTITUTION HAS FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES 1. SOLAR ENERGY 2. BIOGAS PLANT 3. WHEELING TO THE GRID 4. SENSOR-BASED ENERGY CONSERVATION 5. USE OF LED BULBS/ POWER EFFICIENT EQUIPMENT

To reduce enormous use of paper and printing the ensure data, sign and a seal by the Competent Authority for all the papers, we have used the Class-3 Digital Signatures where a Registration Authority i.e. Dr. Mahipal Singh, Registrar of our University authenticate the documents and responses claimed in this pdf file.

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Geo-tagged photographs of the following facilities

1. Solar energy

2. Biogas plant

3. Sensor-based energy conservation

4. Use of LED bulbs

Mahipal Singh

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1. Solar Energy

Shobhit University, Gangoh, has made remarkable progress in embracing sustainable practices, with a particular emphasis on solar energy adoption. The university has strategically installed solar panels across multiple campus buildings, significantly contributing to reducing its carbon footprint and promoting energy efficiency. By harnessing renewable energy sources, Shobhit University is able to meet a substantial portion of its energy needs, showcasing its commitment to environmental sustainability. This move aligns with the growing global trend towards cleaner energy alternatives and demonstrates the university's proactive approach to combatting climate change.

The solar power initiative at Shobhit University not only supports its sustainability goals but also sets a precedent for other educational institutions in the region. The shift towards renewable energy reduces dependence on non-renewable resources, ensuring a more sustainable future. By fostering an energy-efficient campus, the university is not just reducing operational costs but also serving as a role model for other organizations seeking to transition to greener energy solutions. This initiative underscores the university's leadership in promoting sustainability within the higher education sector.

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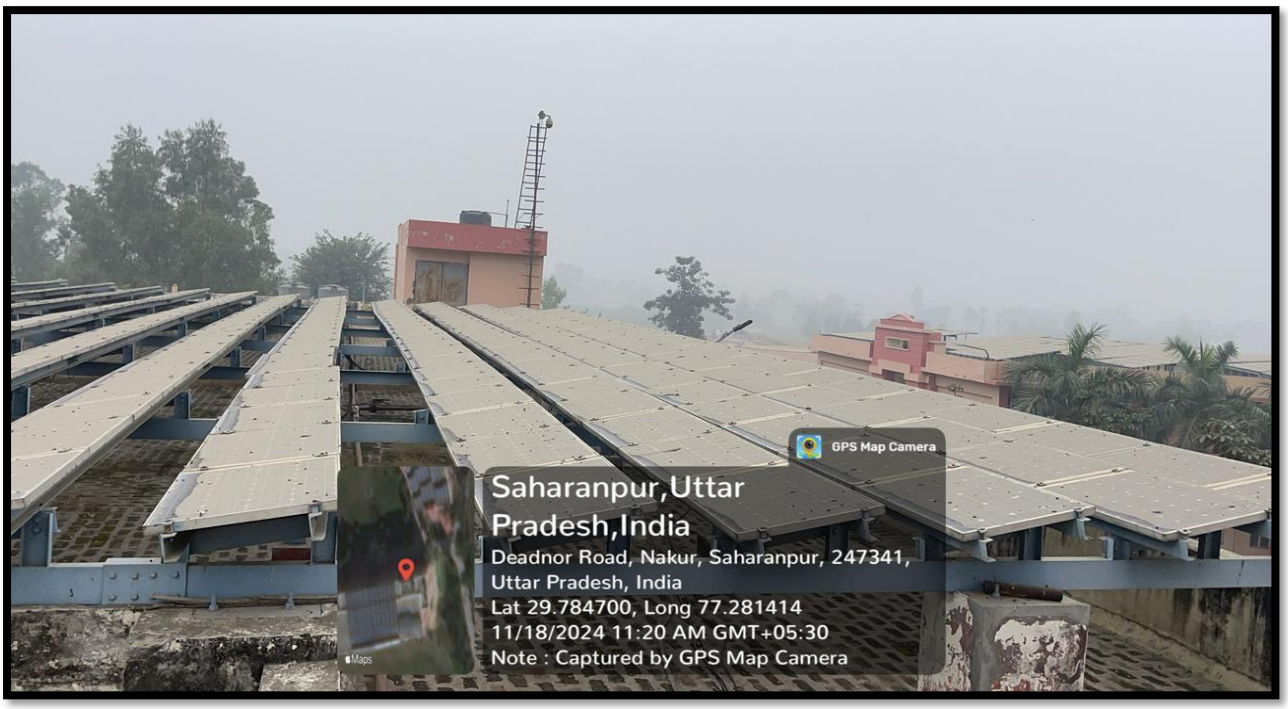

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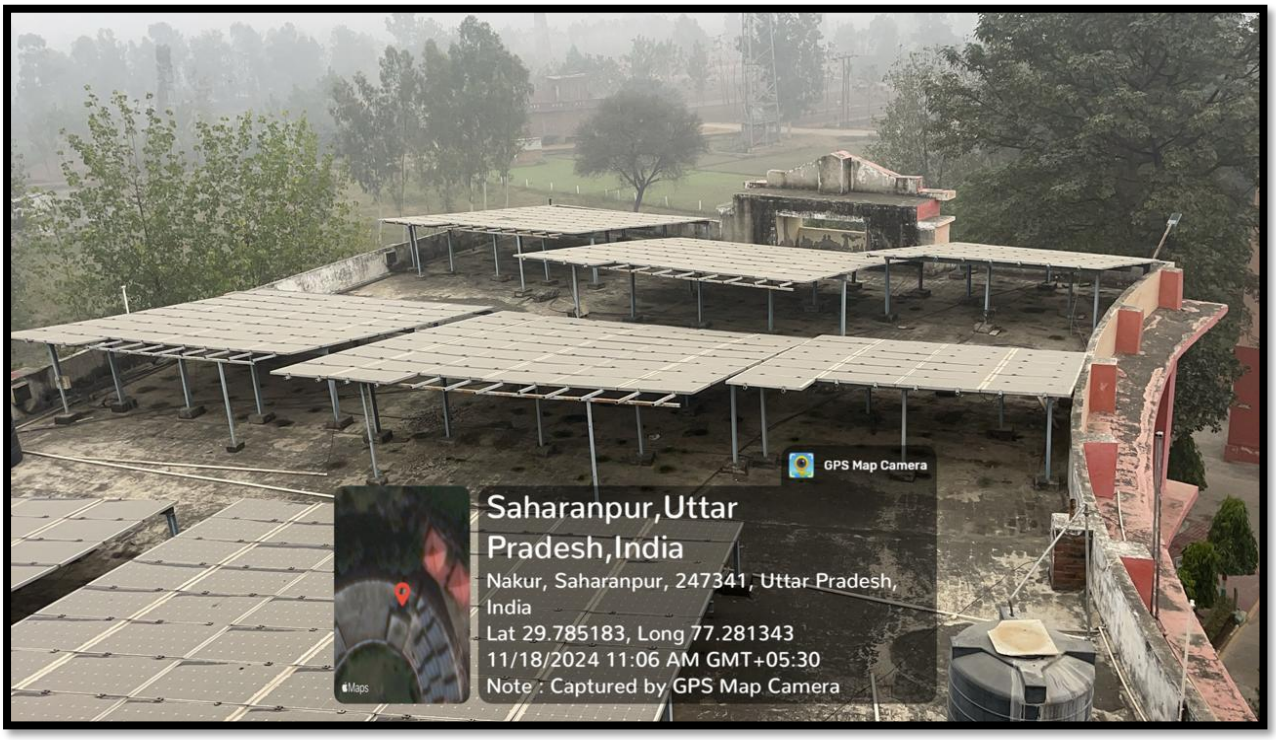

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2. Biogas Plant

Shobhit University, Gangoh, has taken a significant step toward sustainability and environmental conservation by implementing a biogas plant. This innovative plant utilizes organic waste, such as food scraps and agricultural residues, to produce biogas, a renewable energy source that can be used for cooking or electricity generation. By adopting waste-to-energy technology, the university not only minimizes its reliance on fossil fuels but also plays a crucial role in effective waste management. This initiative reflects the university's commitment to eco-friendly practices and contributes to reducing its carbon footprint.

The biogas plant aligns with the university's broader sustainability goals, benefiting both the campus and the local community. It supports a greener, more energy-efficient environment by converting waste into valuable energy.

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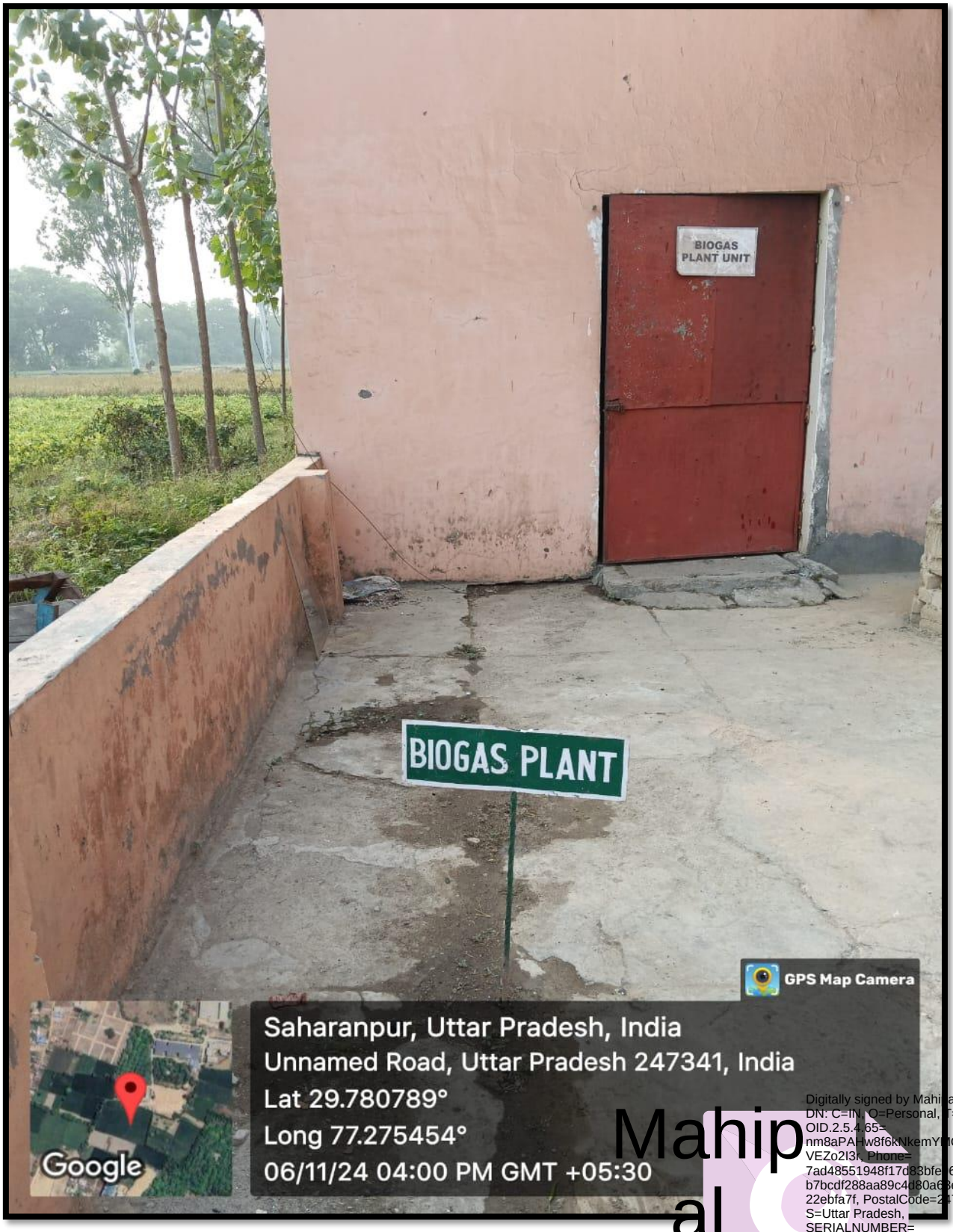

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3. Sensor-based energy conservation

Shobhit University, Gangoh, has implemented sensor-based energy conservation measures across its campus to enhance energy efficiency and reduce consumption. By utilizing advanced sensor technologies, the university optimizes its energy usage in various areas such as lighting, air conditioning, and heating systems. Motion sensors automatically control lighting in classrooms, corridors, and common areas, ensuring that lights are only on when spaces are occupied. Similarly, temperature sensors regulate the air conditioning and heating systems based on real-time occupancy and environmental conditions, further minimizing energy wastage. These sensor-based systems not only help in reducing electricity costs but also contribute to the university's commitment to sustainability and environmental stewardship.

View Video for Sensor based energy conservation

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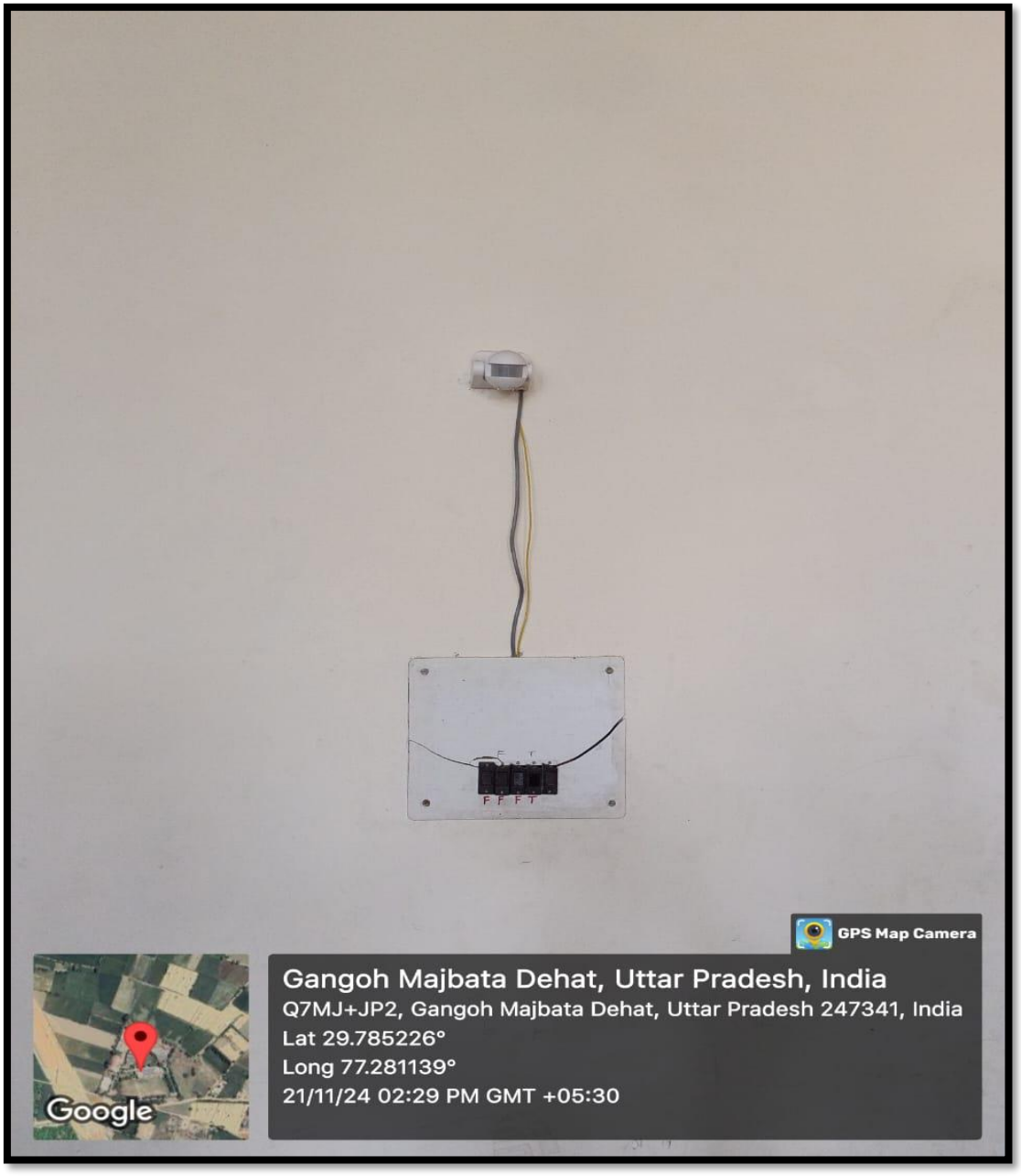

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4. Use of LED bulbs

Shobhit University, Gangoh, has made significant strides in energy conservation by adopting LED lighting across its campus. This initiative is part of the university's broader commitment to sustainability and environmental responsibility. LED bulbs are known for their energy efficiency, long lifespan, and low maintenance costs, making them a smart choice for reducing energy consumption. By replacing traditional lighting systems with LEDs, the university is taking a proactive step in reducing its electricity demand, which not only leads to cost savings but also aligns with its goal of fostering an eco-conscious campus.

This switch to LED lighting contributes directly to minimizing the university's carbon footprint, supporting its efforts to create a more sustainable and environmentally friendly campus. The initiative goes beyond just reducing energy use—it also serves to raise awareness about sustainable practices among students, staff, and faculty. By prioritizing energy-efficient solutions, Shobhit University is setting an example of how educational institutions can play a key role in promoting environmental stewardship and sustainable living.

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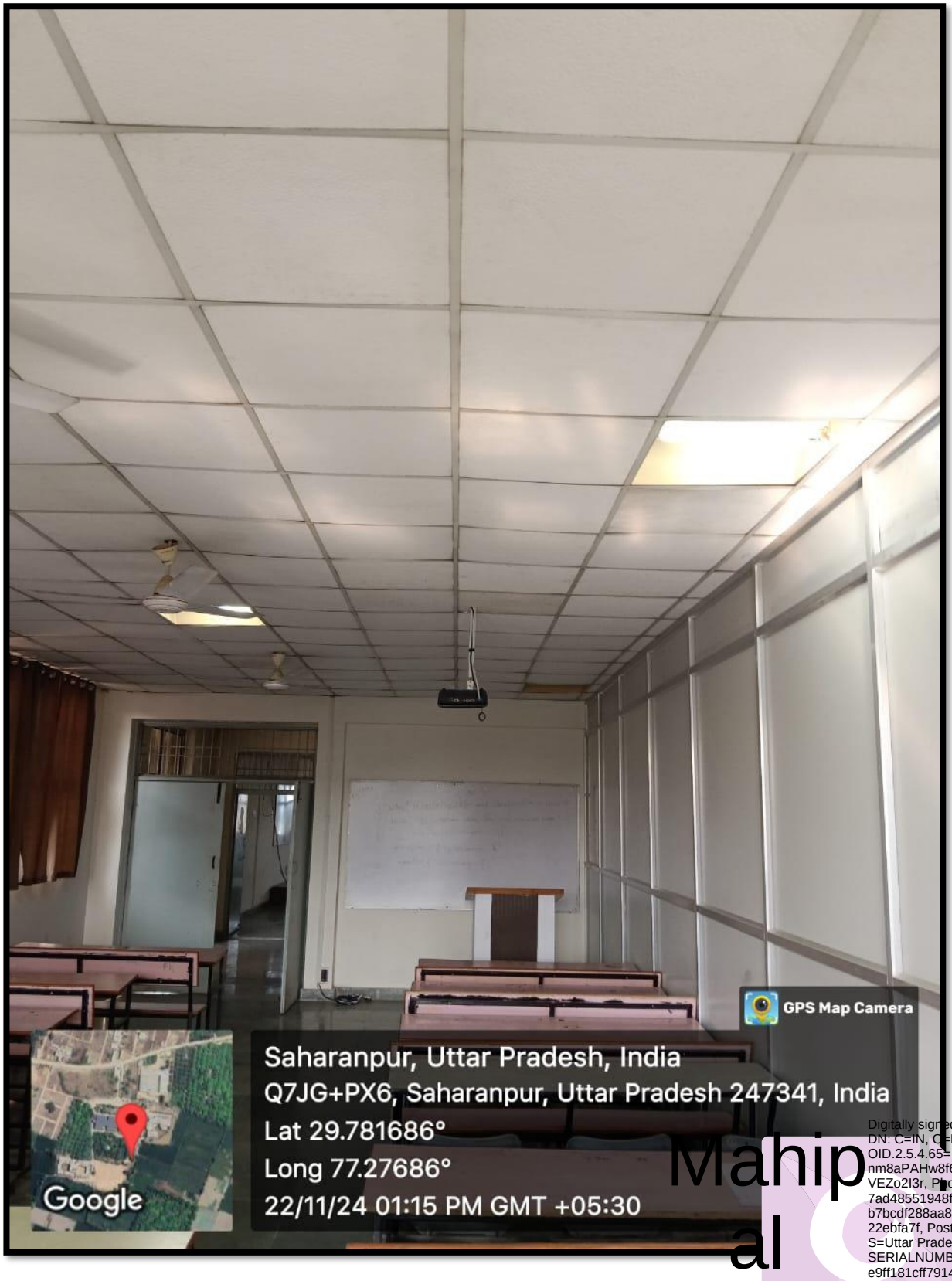

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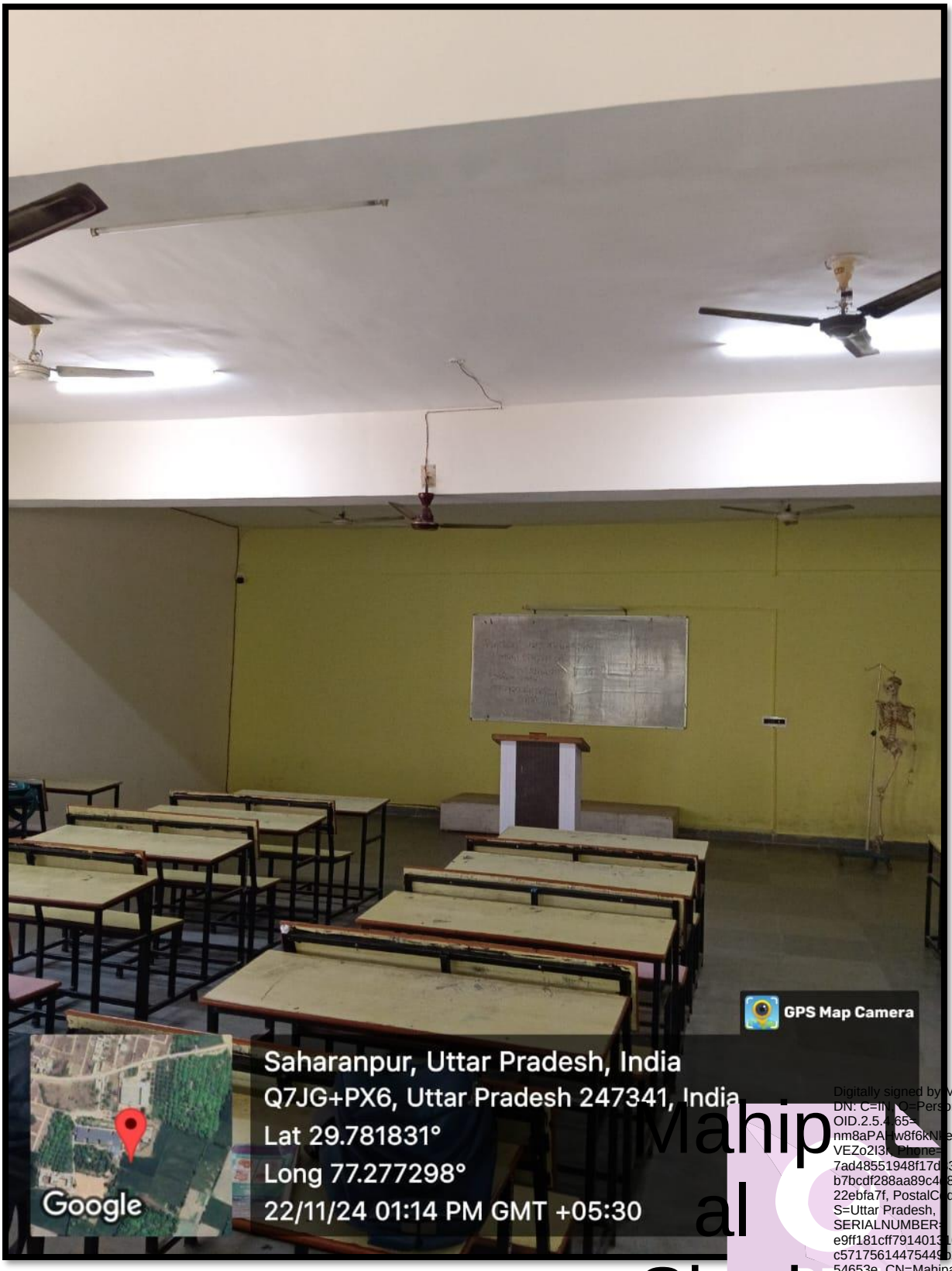

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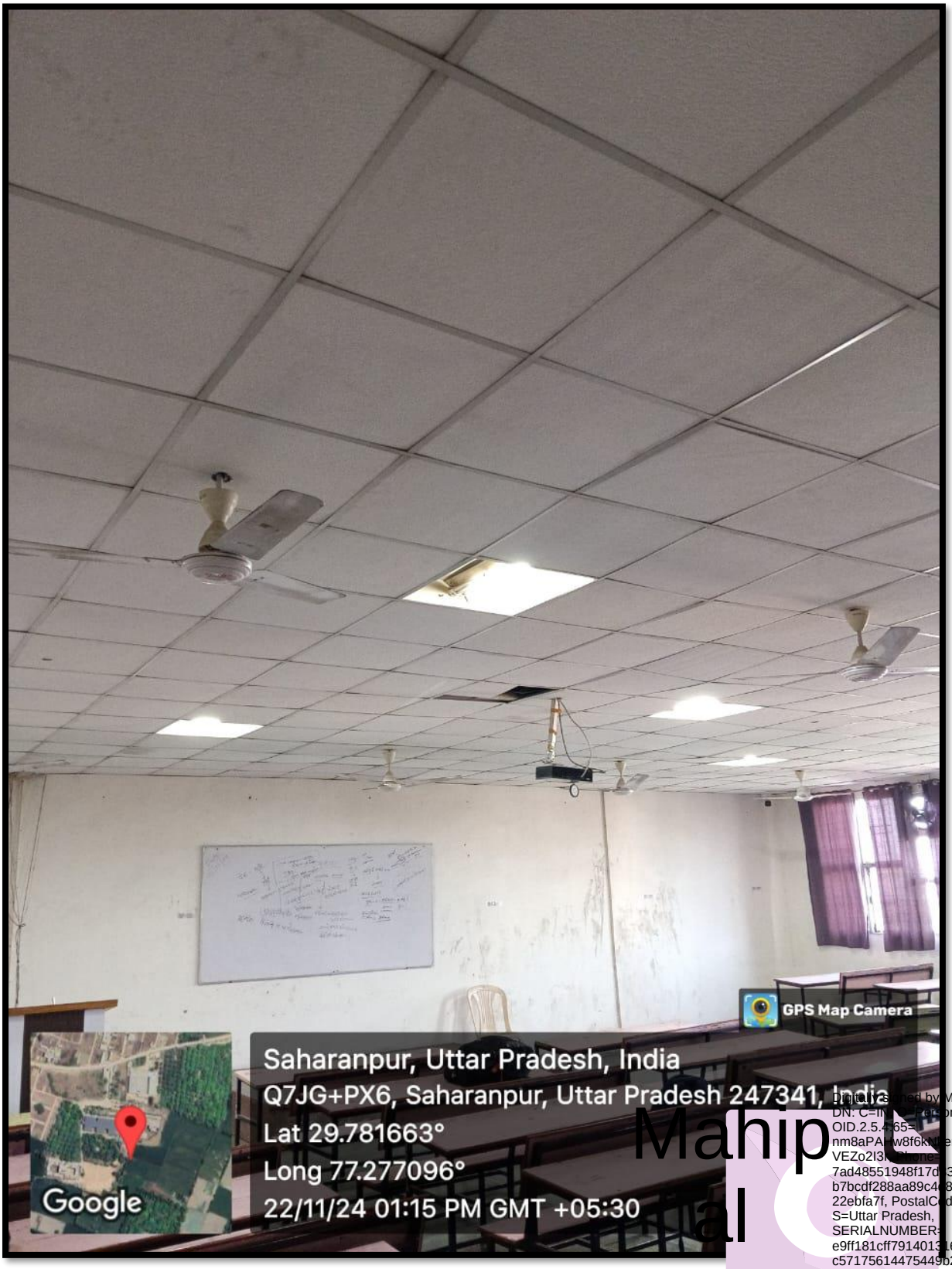

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