

St. Ann's College for Women

(Autonomous), Affiliated to Osmania University
Accredited by NAAC with A⁺ Grade (3rd cycle), CPE by UGC

Mehdipatnam, Hyderabad.



CRITERION – VII

Institutional Values and Best Practices

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures



7.1.2 Geo tagged photos of the facilities

The Institution has facilities for alternate sources of energy and energy conservation measures

1. Biogas Plant

Biogas Plant is located in the backyard of the college campus. It was installed in 2005. The gas generated is utilized by the Nutrition department on the ground floor. The maintenance and monitoring are taken care of by the Department of Biotechnology with the help of Gardner and Lab attender.



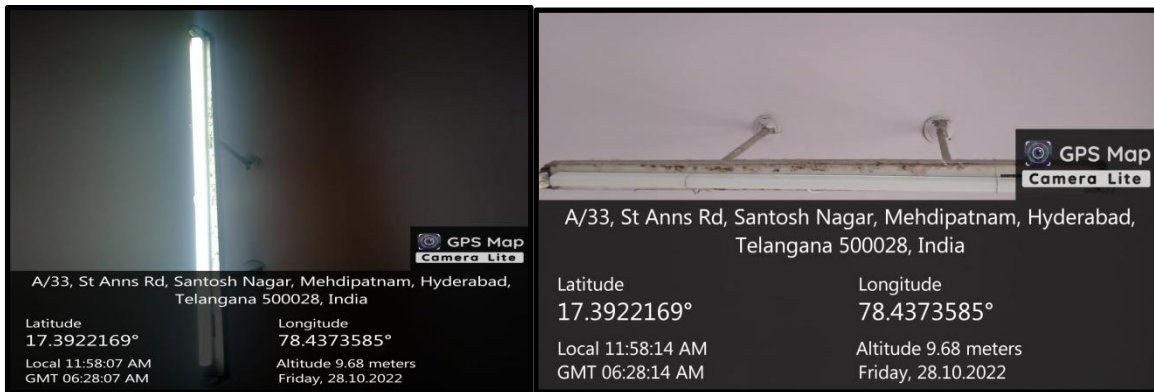
2. Use of LED Bulbs

All Departments take measures like -switching off all lights, fans and other equipment when not in use. The students of Genetics and Microbiology and Biochemistry departments were oriented and trained on measures to be taken to conserve electricity. Students followed and implemented GLP practices also which include focusing Microscopes using natural light to save electricity

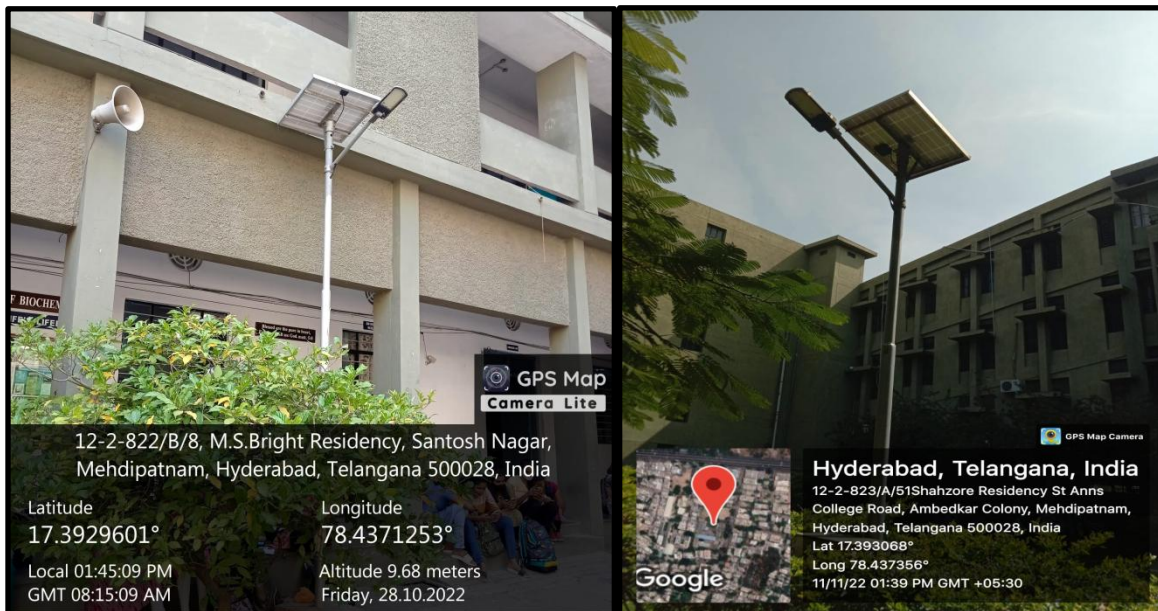
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 Hyderabad- 500 028, India



and to prevent light hazards. LED lighting is energy efficient, safer & more eco-friendly than traditional lighting. Many of the classrooms and corridors in the college use LED bulbs in place of incandescent lights. Solar is the best option when power is not available in a location.



3.A few **Solar Lamps** are also installed in the college campus to light walkways, sports ground and quadrangle.



Quadrangle

Grotto

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4. Power Efficient Equipment

Energy Star and the Environment

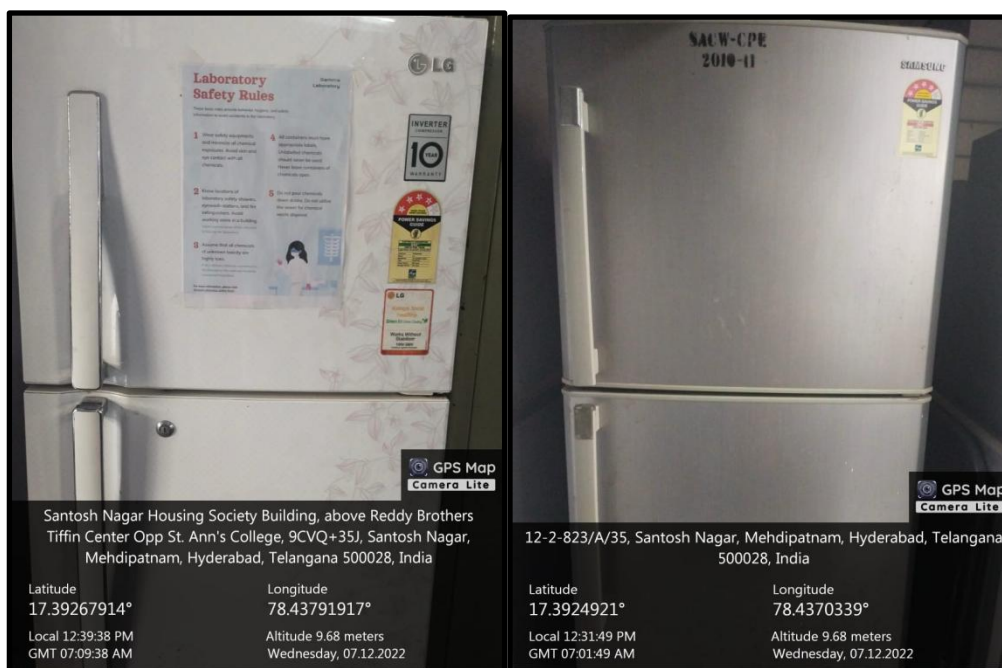
ENERGY STAR is an important tool in fighting climate change, improving air quality, and protecting public health. By reducing emissions of greenhouse gases and other air pollutants, Energy Star also provides states and local governments with more flexibility and reduced costs towards meeting their climate, air quality, and public health goals. With an ENERGY STAR certified refrigerator or cooler, we can maximize our energy and savings without sacrificing the features we want. Energy Star certified refrigerators are about 9 percent more energy efficient than models that meet the federal minimum energy efficiency standard. By properly recycling our old refrigerator and replacing it with a new ENERGY STAR certified refrigerator, we can save more money.

ENERGY STAR certified refrigerators offer high performance features such as high-efficiency compressors that create less heat and use less energy, improved insulation that helps food stay cold, and temperature and defrost mechanisms that help the refrigerator operate more efficiently.

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We at St. Ann's replaced old refrigerators with Energy Star Refrigerators. All life sciences and physical sciences labs have Energy star certified refrigerators. Energy efficient appliances use less electricity to achieve the same level of performance to similar models with the same size or capacity. The more energy efficient a model, the less energy it will use and the less it will cost to run. The more stars on the Energy Rating Label, the more energy efficient the appliance is.



Biochemistry Lab

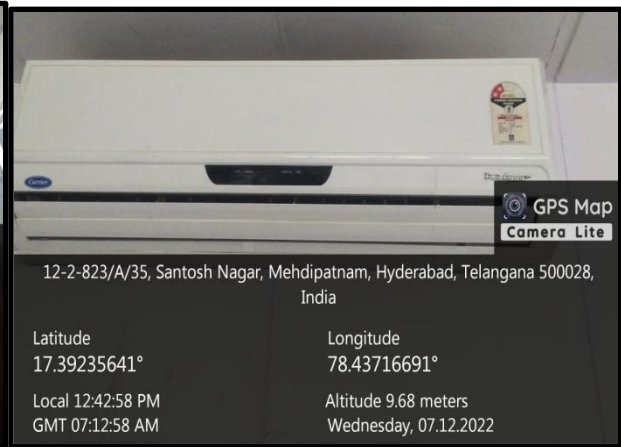
Chemistry Lab

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9CVQ+336, near Santosh Nagar Colony, Ambedkar Colony, Mehdiapatnam,
 Hyderabad, Telangana 500028, India

Latitude 17.3926135°	Longitude 78.4377624°
Local 12:38:10 PM GMT 07:08:10 AM	Altitude 9.68 meters Wednesday, 07.12.2022



12-2-823/A/35, Santosh Nagar, Mehdiapatnam, Hyderabad, Telangana 500028,
 India

Latitude 17.39235641°	Longitude 78.43716691°
Local 12:42:58 PM GMT 07:12:58 AM	Altitude 9.68 meters Wednesday, 07.12.2022

Energy star Air conditioners in Labs, ICT



12-2-823/A/35, Santosh Nagar, Mehdiapatnam, Hyderabad, Telangana
 500028, India

Latitude 17.39232757°	Longitude 78.43716892°
Local 12:44:14 PM GMT 07:14:14 AM	Altitude 9.68 meters Wednesday, 07.12.2022



12-2-823/A/35, Santosh Nagar, Mehdiapatnam, Hyderabad, Telangana
 500028, India

Latitude 17.3924312°	Longitude 78.43694493°
Local 12:44:42 PM GMT 07:14:42 AM	Altitude 9.68 meters Wednesday, 07.12.2022

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Nutrition Lab

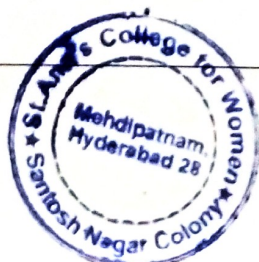
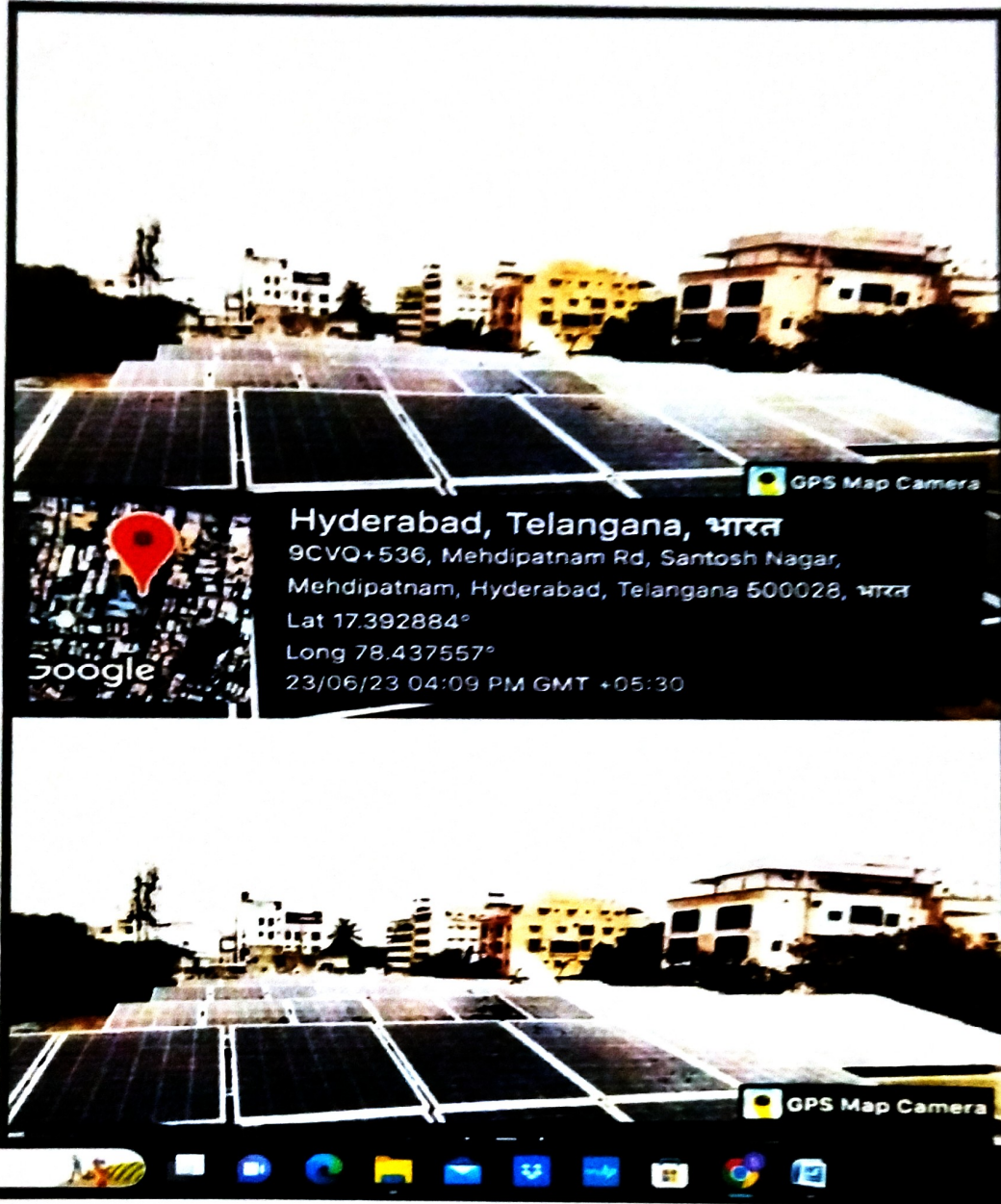
Battery powered Vehicle



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Installation of Solar Panel



[Signature]
Principal
St. Ann's College For Women
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Mehdiapatnam, Hyderabad-28