



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNTU-GV , Vizianagaram
ACCREDITED BY NAAC and Recognized under 2(f) &12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam (RD), Anakapalli dist-531113

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

S.No	Name of the facility with location	Description	Links for Geotagged photos and bills
1.	Solar energy <i>Location: Roof of the Main Building Roof of the Decennial Block</i>	Solar power plant was installed in June 2018. A total of 118625 units/Year of energy is generated through the solar plant till date and reducing the Carbon Di-Oxide	https://avanthienggcollege.ac.in/assets/images/gallery/energyconservation1.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/energyconservation4.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/eng2.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/solarbill1.pdf
2.	Wheeling to the Grid <i>Location- Installed at beside NRPM-VSP main road</i>	Net Metiring facility is given to the solar plant, by using Solar Plant 118625 Unit power will be generated	https://avanthienggcollege.ac.in/assets/images/gallery/engwheel1.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/engwheel2.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/engwheel3.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/energybill.pdf
3.	Sensor -Based Energy Conservation Location:- Infront of Hostel Building		
4.	Use of LED bulbs/ power efficient equipment	Usage of LED lights and power efficient devices	https://avanthienggcollege.ac.in/assets/images/gallery/energyconservation2.jpg
		encouraged in the campus. All	https://avanthienggcollege.ac.in/assets/images/gallery/eng2.jpg



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	Location: Installed at various places in college Labs, Class rooms ,Hostels and college campus.	the conventional high power causing devices are gradually replaced with LED lights and power saving equipment.	https://avanthienggcollege.ac.in/assets/images/gallery/energyconservation4.jpg
			https://avanthienggcollege.ac.in/assets/images/gallery/engled.jpg
		1.Total No. of Bulbs : 1020 2.Total No. of LED : 855 3.Total Lighting Load in Kilo Watts : 50680 4.LED Lights Load : 47880 5. Total No. of AC 's : 17 6. Total No. of 5 Star AC's :2	https://avanthienggcollege.ac.in/assets/images/gallery/ledbulbs.pdf
5.	Location LED Lights installed at Conference Hall	Usage of LED lights and power efficient devices encouraged in the campus. All the conventional high power causing devices are gradually replaced with LED lights and power saving equipment.	https://avanthienggcollege.ac.in/assets/images/gallery/confirenceledbulbs.pdf
6.	Location LED Light installed at Computer Labs	Usage of LED lights and power efficient devices encouraged in the campus. All the conventional high power causing devices are gradually replaced with LED lights and power saving equipment.	https://avanthienggcollege.ac.in/assets/images/gallery/computerledbulbs.pdf