

**Facilities for Alternate Sources
of Energy and Energy
Conservation Measures**



ARMY COLLEGE OF DENTAL SCIENCES

Chennapur –CRPF Road , Jai Jawaharnagar Post, Secunderabad – 500 087, Telangana

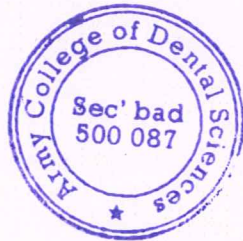
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NAAC Accredited 'A' & Certified ISO 9001 : 2015 & ISO 14001 : 2015

Facilities For Alternate Sources Of Energy And Energy Conservation Measures

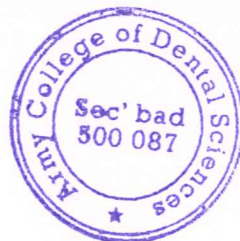
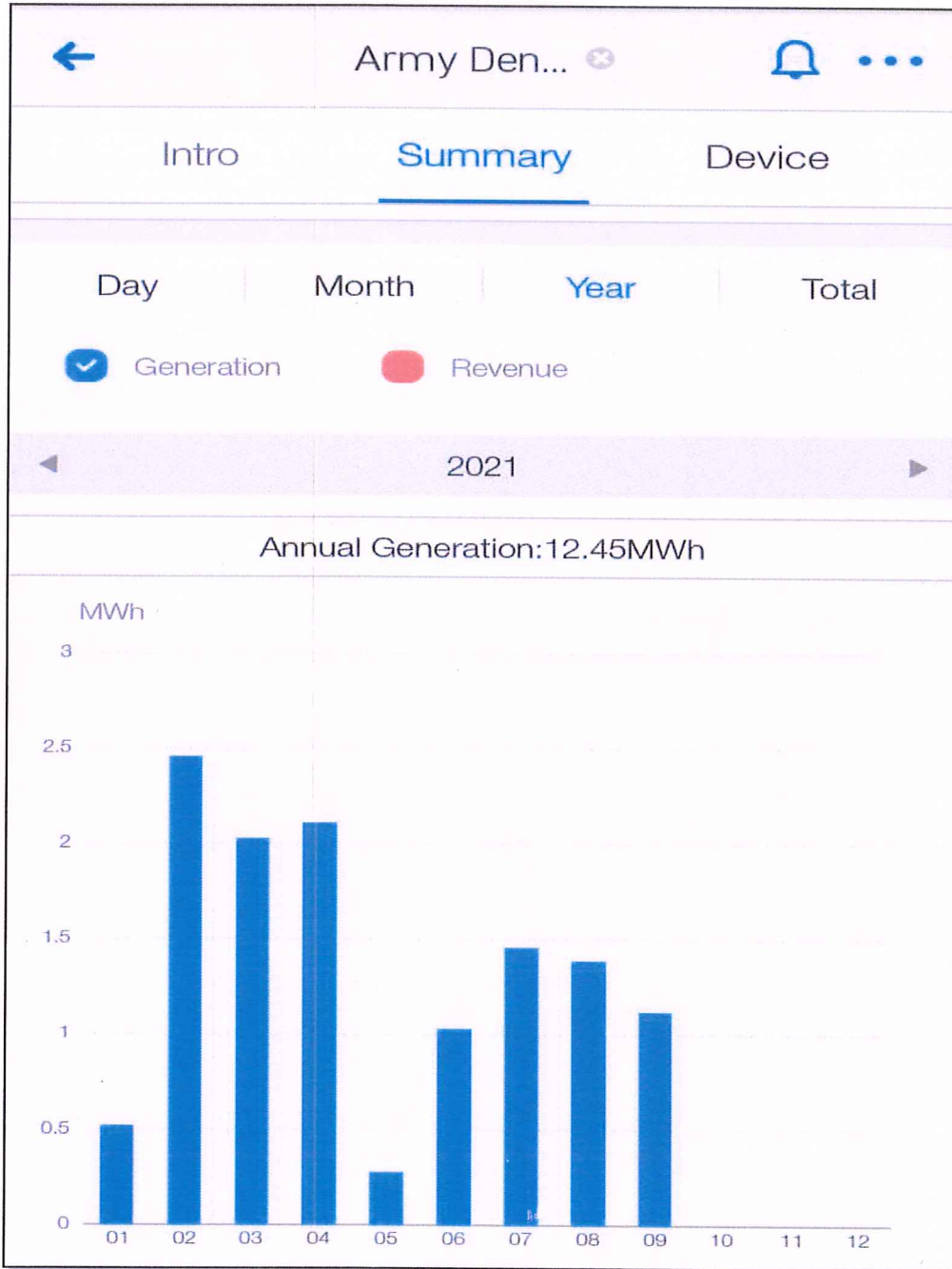
- 20 Kw solar GRID-Tie system installed on the rooftop of Girl's hostel
- Annual solar energy generation in 2019 is 14.75MWh, in 2020 is 11.23MWh, and in 2021 is 12.45MWh.
- 50 W Solar LED Street lights were installed in the college campus
- 100 W and 150 W floodlights were installed at various places in the college campus
- 10 W and 20W LED Tube lights, 50-Watt, 70-Watt Street lights were installed in the college premises
- 250 KV Generator power backup system is present.
- 3-star Air conditioner units are installed at various places in the academic and administrative block to conserve electrical power.
- Electric lighting is sparingly used during the day. The college and hostel buildings are architecturally planned to enhance ventilation thus minimizing the need for air-conditioning.
- Save Electricity signboards are placed at various places in the college to instruct students, staff, and visitors for conservation of energy.




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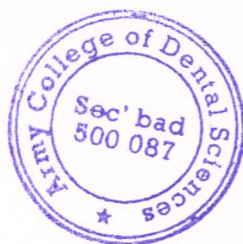
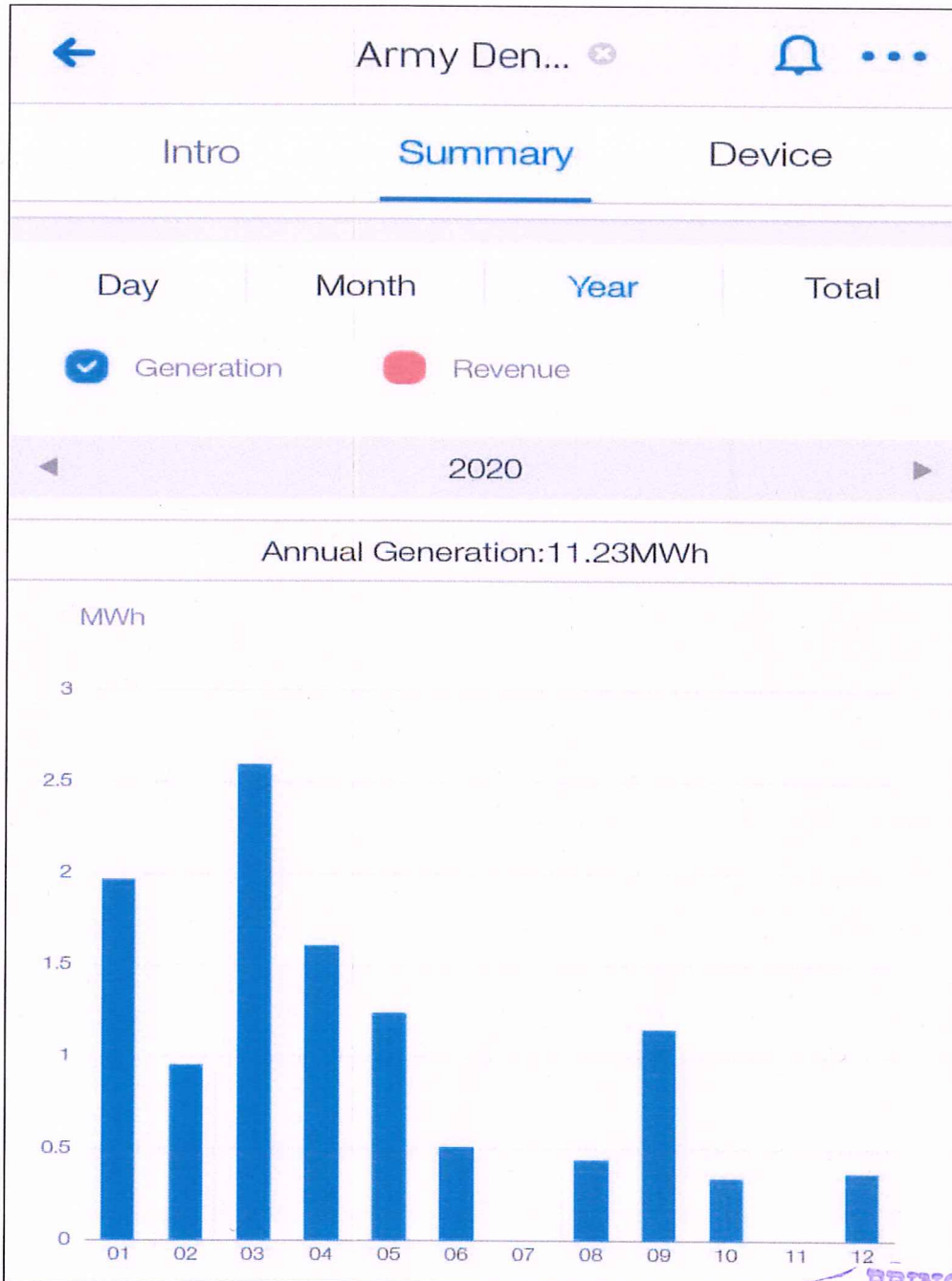

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Annual solar energy generation in 2021



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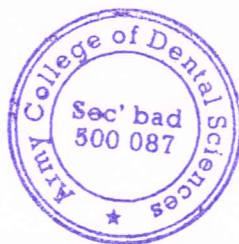
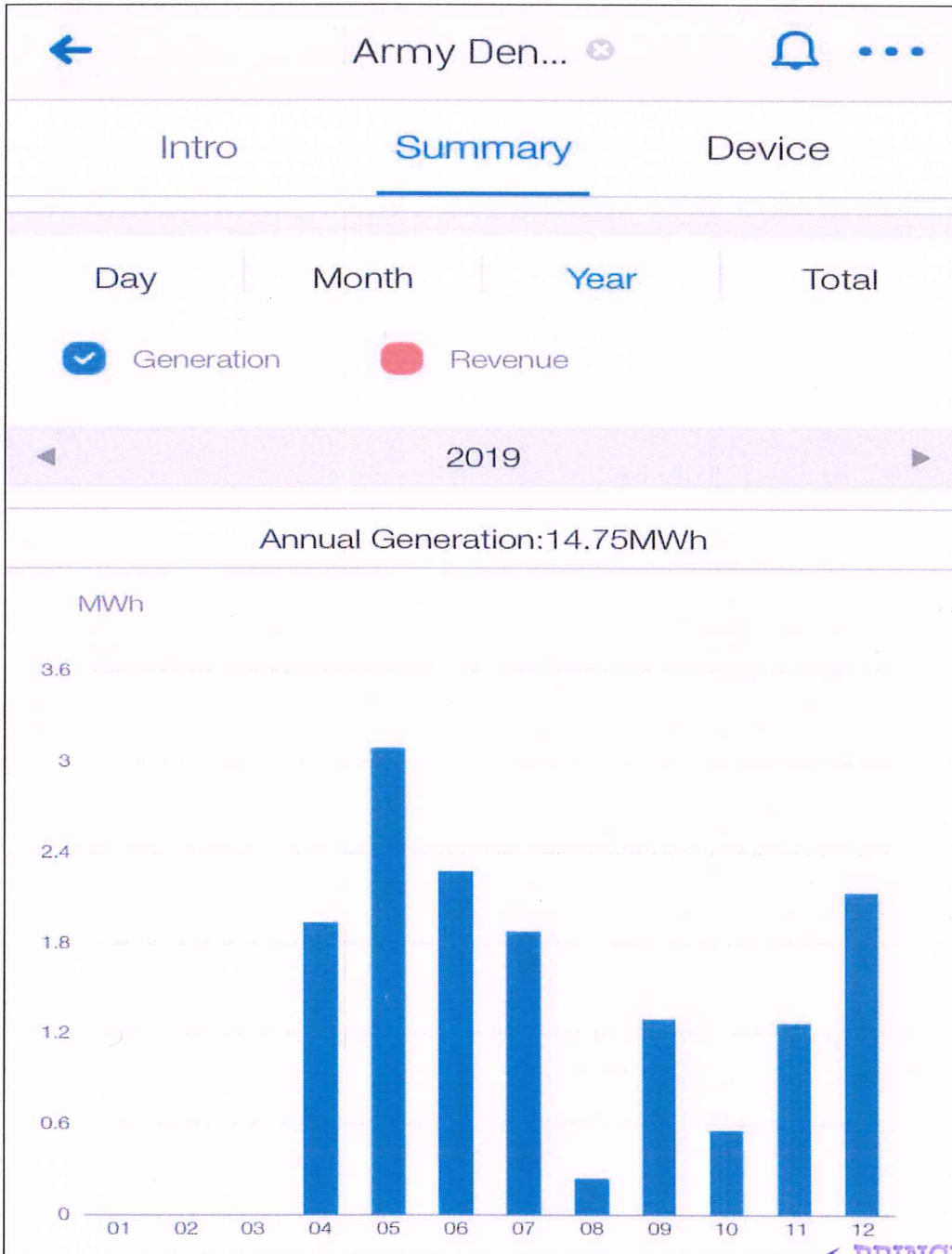
Annual solar energy generation in 2020



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Annual solar energy generation in 2019



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