

4.1.3 Availability of general campus facilities and overall ambience

DOCUMENTAL EVIDENCES

The institution has adequate general facilities.

- ❖ The institution campus is a sprawling area of 50.19 acres that radiates greenery, cleanliness, planned-construction, architectural aesthetics, fresh-air, rich flora and fauna.
- ❖ Laboratories, office spaces and teachers' rooms are well ventilated and draw natural light. Buildings, old as well as new, are driven by the positive ambience of spacious corridors, lawns, gardens, parking spaces and clean washrooms.
- ❖ A state of the art convention center of 1500 seating capacity caters to the required needs of this institute.
- ❖ Three central facility seminar halls of capacity 300, 200, 100 each are available in the convention centre for the conduct of conferences, seminar, workshops, Institution events etc.,
- ❖ Ramps are also in place in all the building along with elevators. It has dedicated facilities extended to differently abled persons.
- ❖ All residents have individual common rooms supplied with air-conditioners, airy rooms for residents, healthy kitchen and dining halls, clean toilets, reading rooms, sports and recreational facilities.
- ❖ Each building has its green cover in the form of lawns, gardens and large numbers of trees that nurture a refreshing ambience for the young intellectual minds to live in harmony with nature.
- ❖ The institution is well connected with the common transport services. In addition to that colleges buses are available Faculties are also picked by cars and vans.
- ❖ Round the clock medical assistance available in the campus. Medical center have all medical facility like general ward, Ambulance with 24x7 Driver.
- ❖ Installed roof-top Solar Power Plant of 650kWp capacity to avoid the emission of greenhouse gases to the equivalent of 13,84,086 kg CO₂ due to generation of renewable energy by Solar PV power plants. Total power generated through the Solar PV plants is 3522128.5 units till 31st December 2021, which is equal to 16% of our annual consumption.
- ❖ LED fixtures – of around 86.312 KW capacities has been installed in our campus in the past 6 years. At least 70% of less power is consumed due to this.

- ❖ Passive Infra-red motion sensor lights provided in Computer Science block labs and staff cabin for energy savings.
- ❖ Solar Water heaters in Hostels and staff quarters – installed capacity 35,500 litres. This is equivalent to 240 electric geysers of various capacities.
- ❖ Sewage Treatment Plant (STP) – 500KLD of water is treated and utilized for Landscaping and flushing purpose in the University and Hostels. One plant of 250KLD capacity for Men's Hostel and another 250KLD capacity plant for Institute are in operation.
- ❖ Bio-gas plant of 50m³ capacity for Ladies Hostel is commissioned in June 2017. The gas generated is utilized in Ladies Hostel Mess Kitchen. Bio gas plant with a capacity of 500 KGS/DAY is installed in Mens Hostel.
- ❖ All existing buildings are registered with Indian Green Building Council (IGBC) for green building certification under IGBC – EB rating. All New buildings constructed over the last six years and those under construction are registered with GBCI EDGE and USGBC LEED for green building certification for Gold rating.
- ❖ Campus Solid Waste Management program is implemented – to segregate and recycle organic waste, paper, cartons, paper cups, soft drink tins, plastic, pet bottles, e-waste, bio-waste, etc.
- ❖ Garbage incinerator machine with 50kg/hr capacity installed in solid waste management yard for reducing waste product to inert ash. Daily generation 500kg/day and generated fly ash being used as manure.
- ❖ 250Kg Eco-bin installed in campus for food waste collected from mess & kitchen. 30,735Kg compost manure collected till July' 2020 and it is used for landscaping.
- ❖ To reduce pollution inside the campus, a bicycle has been provided for students to commute between Men's Hostel, Ladies Hostel and College Main gate. Battery Cars and Electric Bike provided for staff and Eco friendly Load vehicle for Hostel.
- ❖ Sanitary napkin incinerator with wet scrubber (for pollution control) is installed for disposing the napkins. Wet scrubber is attached at the outlet of burner fumes where the fumes gets scrubbed in water and gets filtered to remove the harmful emissions.
- ❖ 15 Nos new AC buses, which are BS-IV compliant vehicles, have been provided for induction into the student transport fleet.
- ❖ 33% of Carbon foot print is offset by the above environment – friendly measures in campus.

- ❖ In Boys and Girls Hostels facilities ; 24 Hours power back-up through central power distribution system, Separate dining hall for Veg. and Non-Veg, Reading Room, Recreation Hall with DTH facilities, GYM – fitness center, Computing Facility, Swimming Pool, Elevator facility, WIFI connectivity, CCTV Cameras, Water Treatment Plants, RO Drinking water, Outdoor /Indoor sports facility, Solar water Heaters and Launderette Service.

FACILITIES FOR ALTERNATE ENERGY REOSURCE



BIO GAS PLANT



SOLAR POWER PLANT

FACILITIES FOR WASTE MANAGEMENT (SOLID & WASTEWATER)



GARBAGE INCINERATOR



SANITARY NAPKIN INCINERATOR



BIOBOX- BIOGAS GENERATION UNIT



PYROLYSIS UNIT



WASTEWATER TREATMENT PLANT





Latitude: 12.872726
 Longitude: 80.085782
 Accuracy: 27.7m
 Time: 09-08-2019 14:17
 Note: Mira carbon stp1

**MIRA CARBON SEWAGE TREATMENT PLANT
 & VERMI FLTRATION TREATMENT UNIT**

FACILITIES FOR WATER TREATMENT



V3GM+8RC, Peerakankaranai, Tamil Nadu 603210, India

Latitude: 12.875848° Longitude: 80.0844942°
 Local 10:00:54 AM Altitude: -42.8 meters
 GMT 04:30:54 AM Thursday, 18-11-2021

RO PLANT FOR WATER TREATMENT

FACILITIES FOR RAINWATER HARVESTING



Latitude: 12.875334
 Longitude: 80.083529
 Elevation: -47.2m
 Accuracy: 27.6m
 Time: 20-12-2018 11:39
 Note: Rain water harvesting I, 5/Blook 1

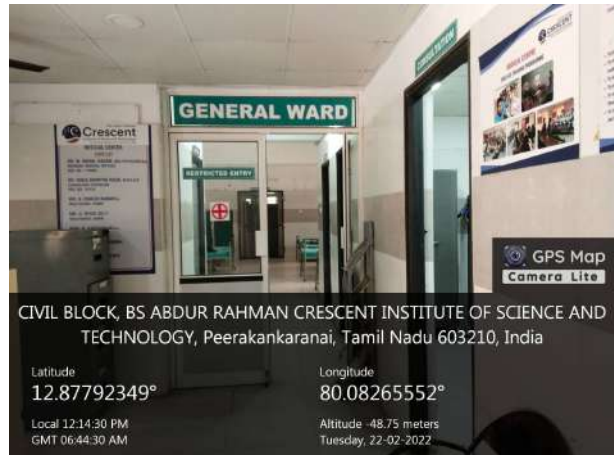
RAIN WATER COLLECTION WELL



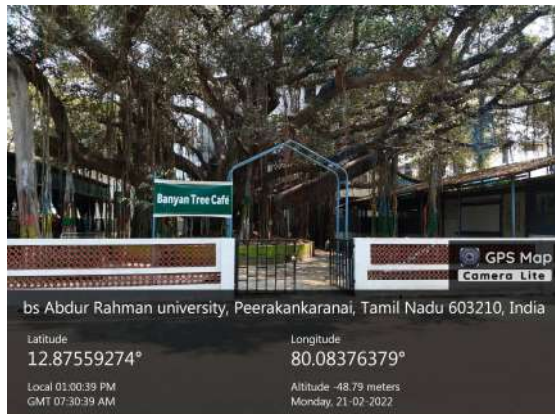
Latitude: 12.875476
 Longitude: 80.082899
 Elevation: 29.79m
 Accuracy: 5.7m
 Time: 11-09-2019 13:44
 Note: rwh g

RAINWATER FILTER UNIT

GENERAL FACILITIES



MEDICAL CENTRE



CAFETERIA



ATM

BOOK SHOP



PLAY GROUND



CANTEEN FOR STUDENT



CANTEEN FOR STAFF



SWIMMING POOL



PARKING FACILITY



COMMON ROOMS



SOLAR WATER HEATERS



LED FIXTURES



PASSIVE INFRA-RED MOTION SENSOR LIGHTS

FACILITIES FOR DISABLED PERSONS



RAMP FACILITY



LIFT



SPECIAL RESTROOMS

ECO FRIENDLY VEHICLE



BICYCLES



BATTERY OPERATED KART



SOLAR POWERED WASTE COLLECTION VEHICLE



BATTERY OPERATED SCOOTER



BEEMA-BAMBOO PLANTS FOR LANDSCAPING



OXY PARK



AIR QUALITY MONITORING STATION



STAFF QUARTERS



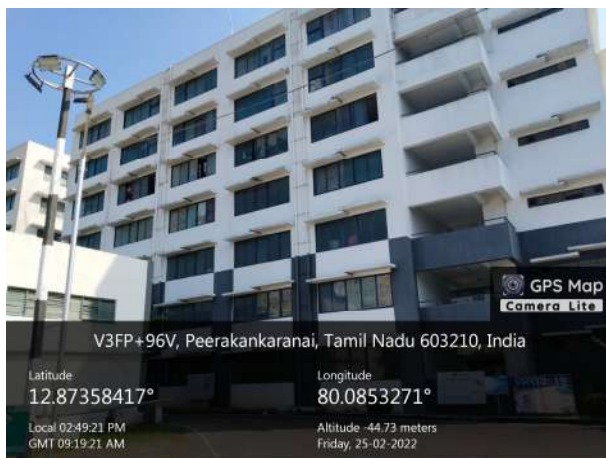
CCTV Camera installed at Clock Tower



CCTV Camera installed at Boys Hostel Entrance



PARENTS WAITING HALL



HOSTEL FOR STUDENTS



TRANSPORTATION FACILITY