



ATMA MALIK INSTITUTE OF TECHNOLOGY AND RESEARCH (AMRIT)

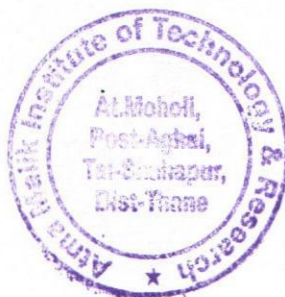
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Contact: +91 7720012139 / +91 9552773875, info@vishwatmakengg.in

7.1.2. Environmental Consciousness and Sustainability and Divyangjan friendly initiatives

Following facilities are available in the Institute for Environmental Consciousness and physically disabled

Sr. No.	Facilities/ Initiative Options	Facilities available in the Institute
1	Alternate sources of energy and energy conservation measures	<ol style="list-style-type: none">1. Solar System2. Biogas3. LED lights4. Wheeling to the Grid
2	Management of the various types of degradable and non-degradable waste	<ol style="list-style-type: none">1. Solid Waste Management2. Liquid Waste management3. E-waste Management
3	Water conservation	<ol style="list-style-type: none">1. Rain water harvesting2. Recharge well3. Sprinklers4. Drip Irrigation system
4	Green campus initiatives	<ol style="list-style-type: none">1. Activities conducted under NSS to protect environment2. Landscaping with Trees3. Display boards in campus for plastic ban & save earth
5	Disabled-friendly, barrier free environment	<ol style="list-style-type: none">1. Ramp facility with hand rails2. Walker3. Wheelchair4. Washrooms for disabled people

Kumud
IQAC



Principal
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**Alternate Sources of Energy and Energy
Conservation measures.**



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7.1.2. Alternate Sources of Energy & Energy conservation measures

1. Solar System:

In a step towards Environmental Consciousness Institute has taken initiative for energy conservation, in this regards a **Solar PV Power Generation system of 100 kW** is installed on the rooftops in college premise buildings. Total 272 no's of Solar PV modules of 365W capacity have been installed on rooftop of A wing building & Goshala. It is expected to generate on average 80,000 kW of energy per year. This will be catering to nearly 75-80% of the institutes total power consumption. The solar energy is also used for water heating in hostel building and also given to Grid for utilization in college campus.



Solar Panels Installed on A wing building & Goshala Building


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2. Biogas plant:

The wet wastefrom waste bins& waste from Goshala are used in Biogas tanks for biogas formation which is then used cooking in canteen kitchen. This plant is designed to process approximately 1000kg mixed waste produced in campus through various means.The capacity of biogas plant is 60m³ per day which is equivalent to 25kg LPG requirement per day. Organic manure produced so is approximately 2000-2500 Lit/day.The manure produced thereafter is then used for gardening & farming inside the campus.




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NAAC Coordinator



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Biogas Plant near A wing building



New Biogas in process in front of Goshala

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3. LED tube lights

All the classes, laboratory, staircase areas are wellventilated and exposed to sufficient sunlight. For enegy conservation all the lights are replaced by LED tubelights in all classes, laboratory, examination section, offices in institute's building.

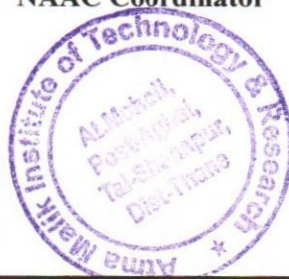


LED tubes lights used in classrooms, laboratory and near street


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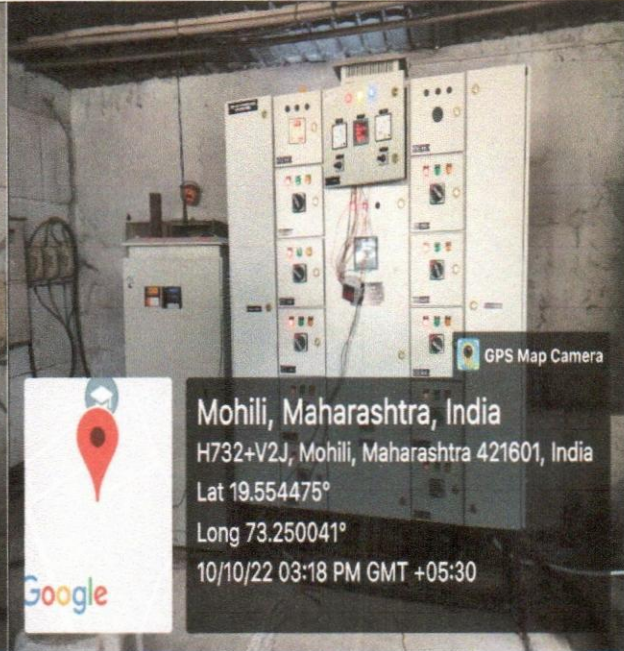
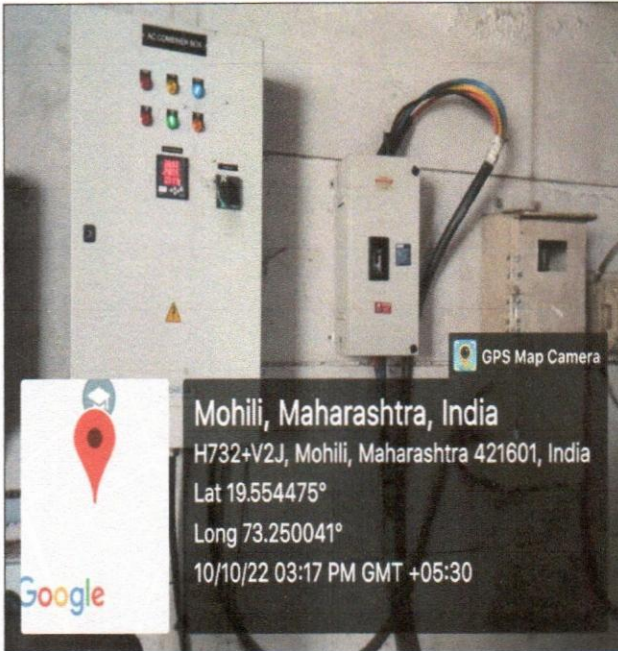
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4. Wheeling to the Grid



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**Management of the various types of
degradable and non-degradable waste**



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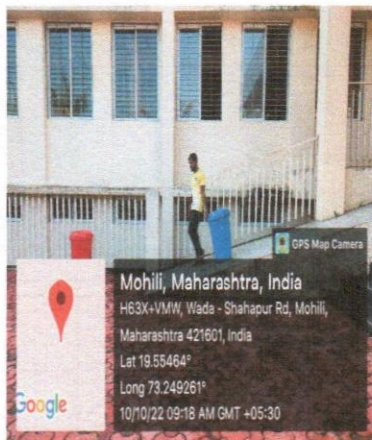
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Waste Management

Atma Malik Institute of Technology & Research (AMRIT) follows the practice of “Let’s go green and keep our campus clean”. The NSS unit of AMRIT has played a prominent role in this by organizing various awareness programs, conducting tree plantations, cleanliness drives and various other activities. Apart from these activities, the importance of waste management and methods of waste disposal mechanism is taught to students by planning activities on Environment day & also through subjects like Environmental studies (EVS) etc. In AMRIT campus the following initiatives are taken towards the waste management as follows:

Solid Waste Management

To maintain a healthy and conducive environment in our campus, we rigorously follow the waste segregation by employing Dry and Wet waste bins throughout the campus. Dry waste generated by all sorts of routine activities carried out in the campus is collected, segregated and is then sent for further disposal through the Municipal waste collecting van. Canteen leftovers are used in Goshala for cows & bulls. The wet waste from waste bins & waste from Goshala are used in Biogas tanks for biogas formation which is then used for cooking purposes in the canteen kitchen. The manure produced from Goshala waste like cow dung thereafter is then used for gardening & farming inside the campus. Biomass is also prepared and used for cooking. From cow urine different fertilizers are produced in the campus which is also being used for plants in the campus. AMRIT strictly prohibits use of plastic on campus. To sustain an eco-friendly environment and green enabled campus, various activities have been undertaken by NSS unit like Swachh Bharam Abhiyan, Cleanliness drives, Tree Plantation programs.

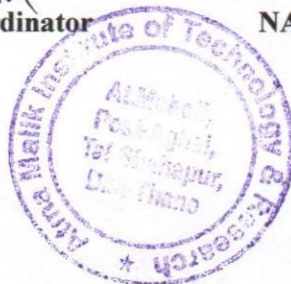


Garbage collection every morning from classrooms, labs, washrooms and waste collection in Bhojanalaya

Shiraj
IQAC Coordinator

Shiraj
NAAC Coordinator

Shiraj
Principal

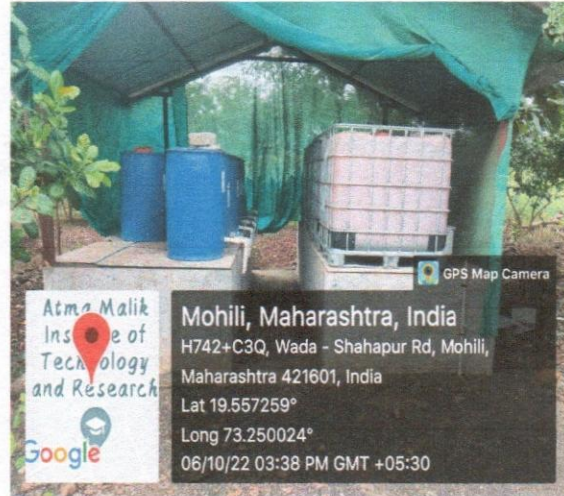


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Biomass prepared & fertilizers making in AMRIT

Liquid Waste Management

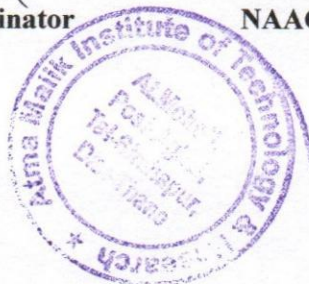
The chemicals used in the chemistry laboratory are as per the instructions and guidelines of Mumbai University. The by-products generated from laboratory waste are small in quantity and they are properly released into the drainage system. Liquid waste is mainly generated from hostels, canteens and laboratories, residential washing etc. all this liquid waste is properly released into the drainage system without causing any harm to the environment. The proposal for designing of Sewage Treatment Plant (STP) has been proposed and is in process.

Waste Recycling & Reuse System

Most of the paper waste, scrap generated is either sent for recycling, some of it used by the creative team of our college during college fests. The Student Council volunteers collect all the useful material like unused sheets, boxes available on the campus and further it is used by the creative team for the decoration purpose during cultural & other programs.

Kumar
IQAC Coordinator

Kumar
NAAC Coordinator



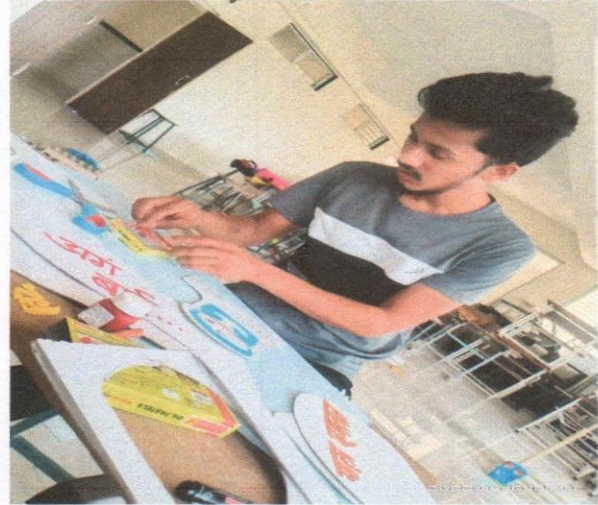
Kumar
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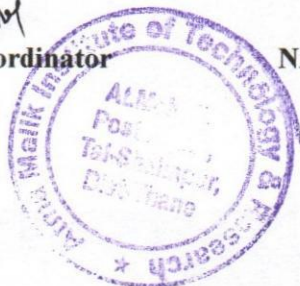
E-Waste Management

The waste compact discs and other disposable non-hazardous items are used by students for decoration during college fests as creative means of showcasing the waste management practice.

The old version computers from computer department labs are transferred to the Atma Malik Schools for their computer labs. E-waste generated in the campus and through labs is collected through the maintenance team and is safely disposed through vendors.

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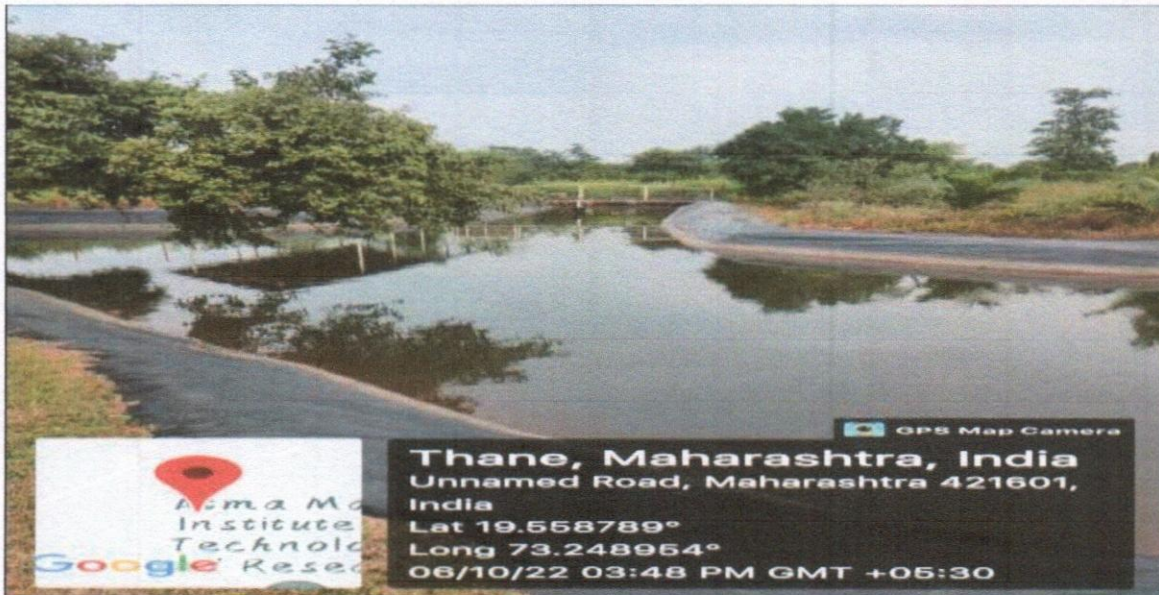
Water Conservation



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Water conservation Facility in AMRIT:



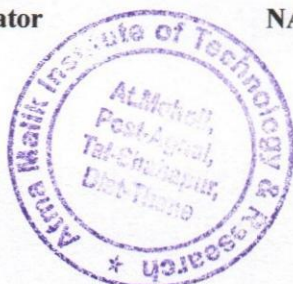
Rain water harvesting in AMRIT campus

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NAAC Coordinator

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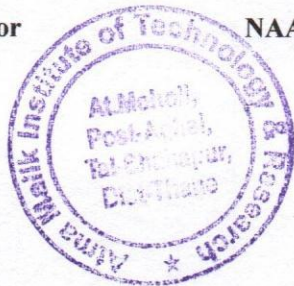


Tank & bunds facility for water storage & recharge

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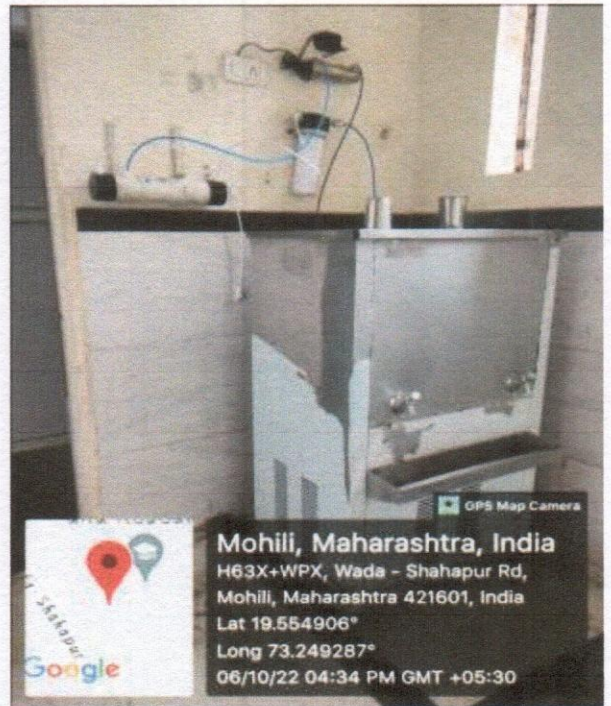


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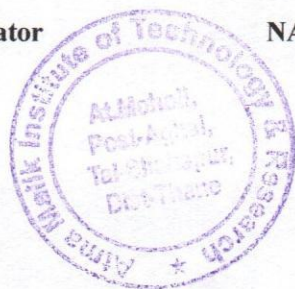


Safe drinking water facility available at different location in AMRIT campus

Shameer
 IQAC Coordinator

Shameer
 NAAC Coordinator

Shameer
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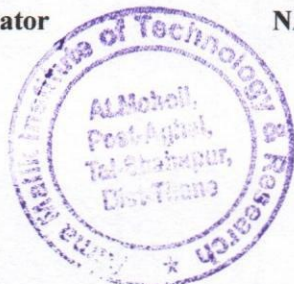
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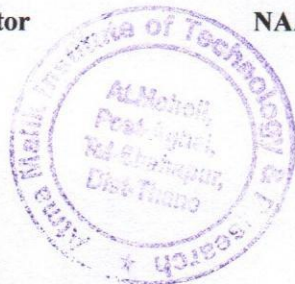
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Shameer
NAAC Coordinator



Shameer
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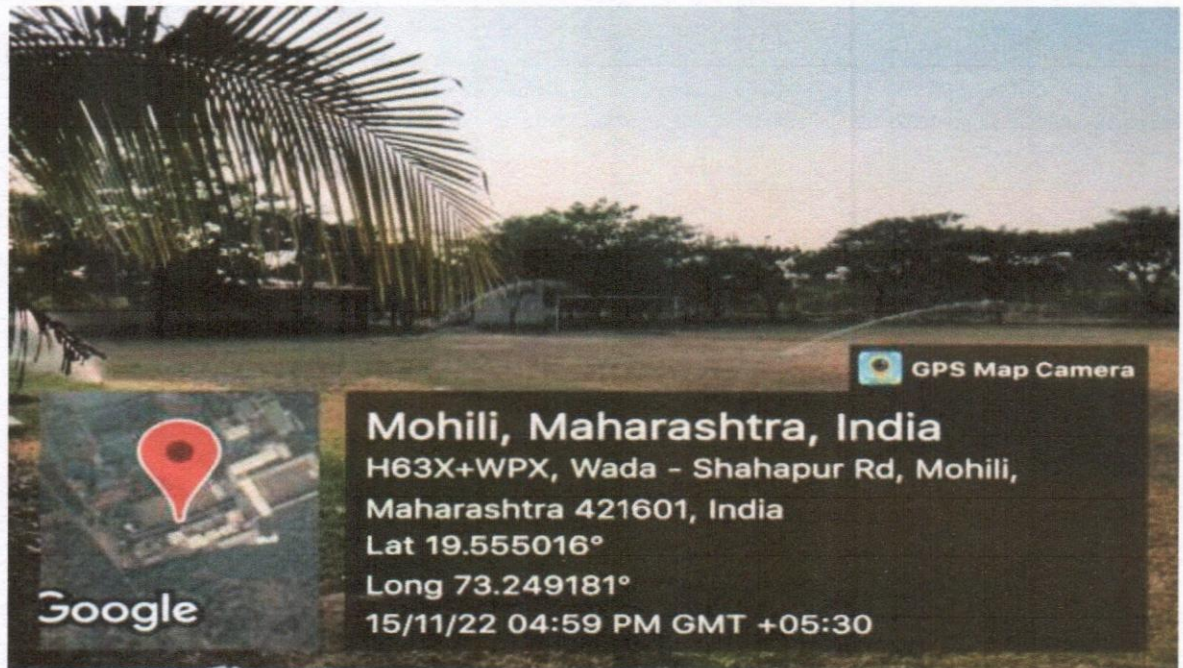
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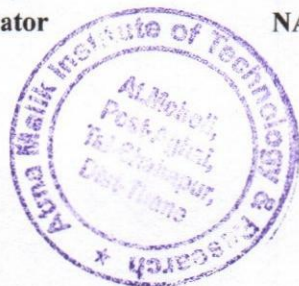
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Drip Irrigation system for farming & Sprinklers for gardening

Kumar
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Kumar
NAAC Coordinator



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Green campus initiatives

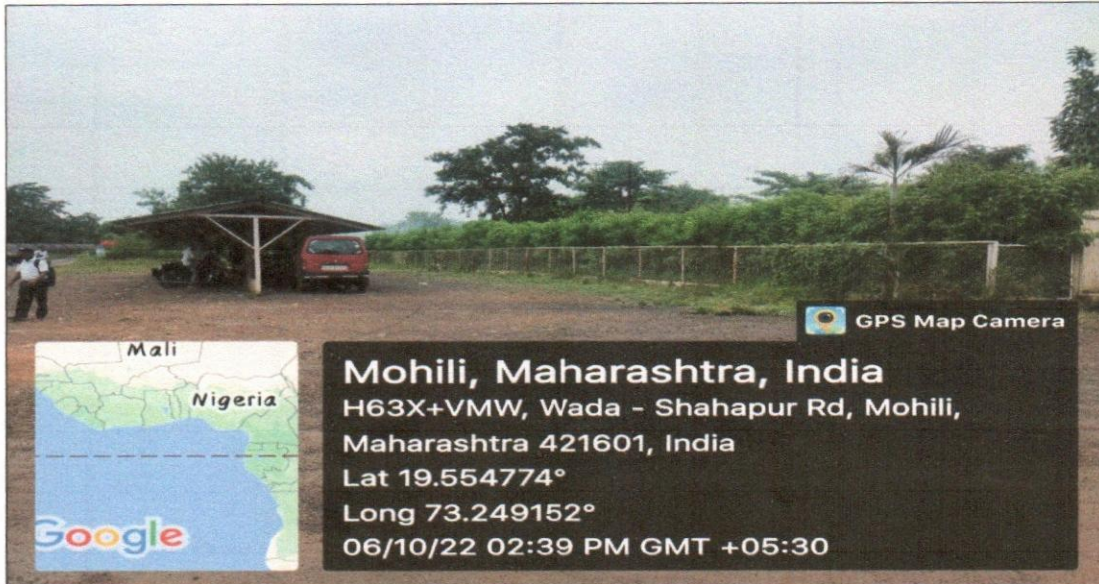


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Green Campus Initiatives:

Parking outside the campus for external vehicles



To avoid pollution, outside vehicle entry is restricted and a Security guard is on duty to keep watch on outside vehicles at the main gate



Sharma
IQAC Coordinator

Sharma
NAAC Coordinator

Sharma
Principal



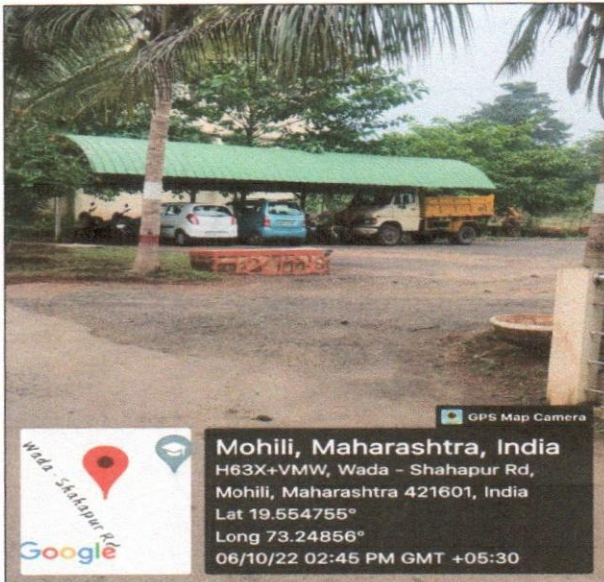
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Parking facility for the vehicles of staff & students inside campus



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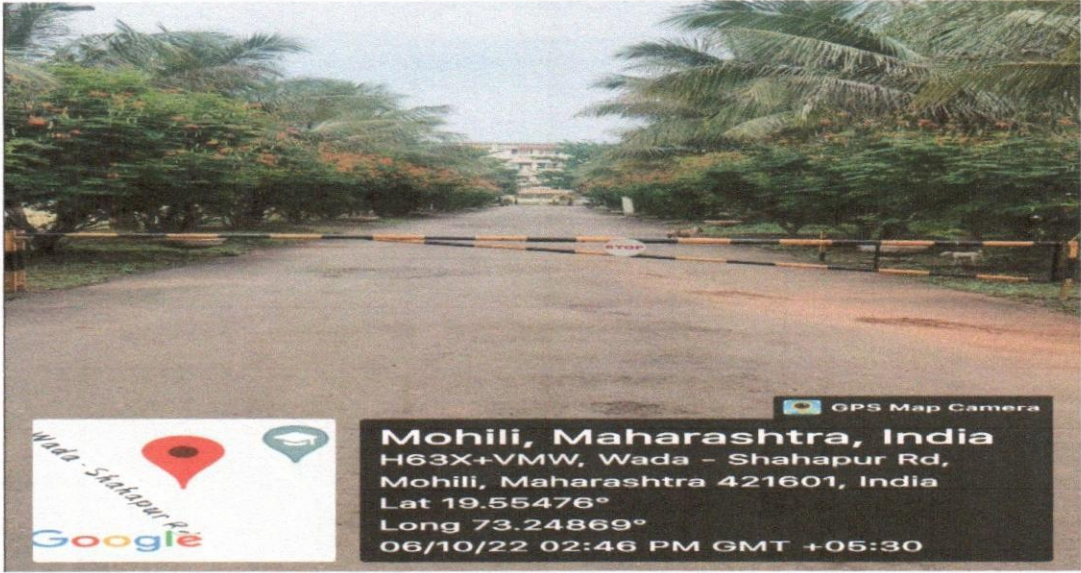
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Restricted entry of vehicles inside the college premises



Display boards for Plastic ban & Green campus



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Pedestrian Friendly pathways



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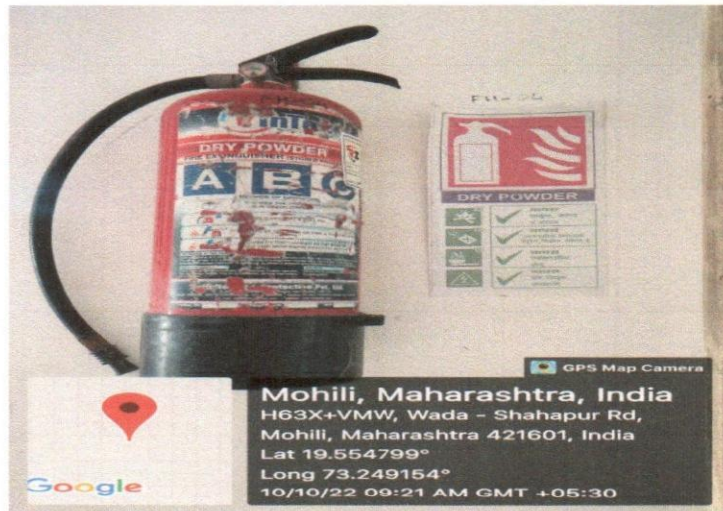
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Fire Safety Measures



Mohili, Maharashtra, India
H63X+VMW, Wada - Shahapur Rd, Mohili,
Maharashtra 421601, India
Lat 19.554794°
Long 73.249158°
10/10/22 09:19 AM GMT +05:30

Mohili, Maharashtra, India
H63X+VMW, Wada - Shahapur Rd,
Mohili, Maharashtra 421601, India
Lat 19.554799°
Long 73.249154°
10/10/22 09:20 AM GMT +05:30



Mohili, Maharashtra, India
H63X+VMW, Wada - Shahapur Rd,
Mohili, Maharashtra 421601, India
Lat 19.554799°
Long 73.249154°
10/10/22 09:21 AM GMT +05:30

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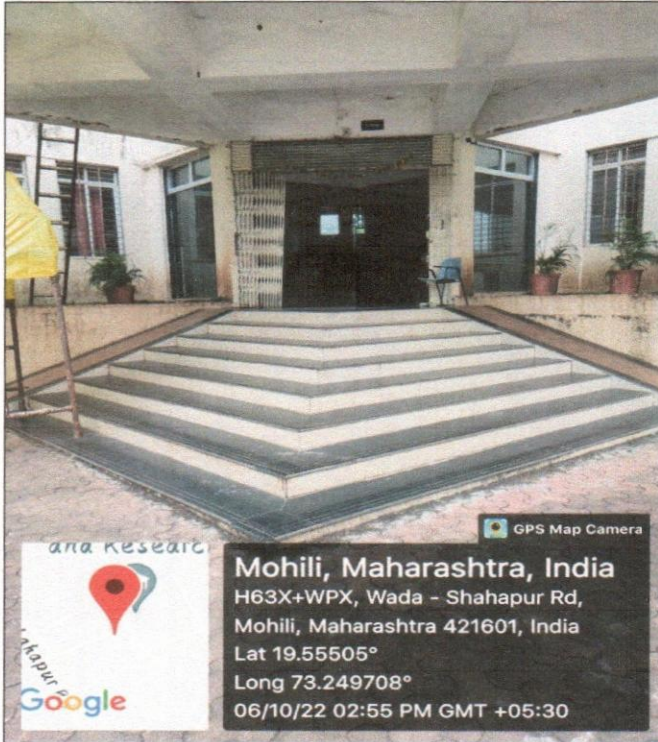
**Disable-friendly, barrier free
environment.**



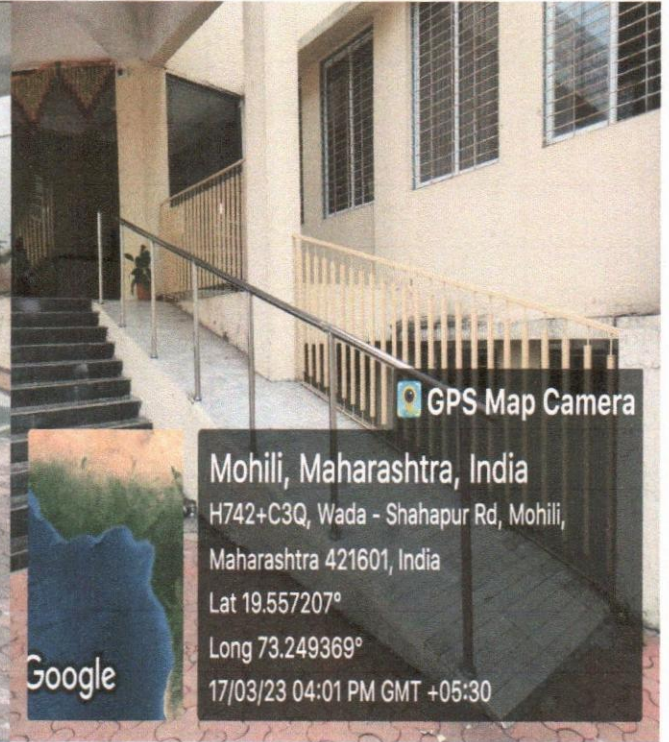
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Ramp facility for Physically handicapped (Divyanjan)



Mohili, Maharashtra, India
H63X+WPX, Wada - Shahapur Rd,
Mohili, Maharashtra 421601, India
Lat 19.55505°
Long 73.249708°
06/10/22 02:55 PM GMT +05:30



Mohili, Maharashtra, India
H742+C3Q, Wada - Shahapur Rd, Mohili,
Maharashtra 421601, India
Lat 19.557207°
Long 73.249369°
17/03/23 04:01 PM GMT +05:30



Mohili, Maharashtra, India
Maharashtra State Highway 79, Mohili,
H742+63R, Mohili, Maharashtra 421601, India
Lat 19.555654°
Long 73.250979°
11/03/23 03:15 PM GMT +05:30

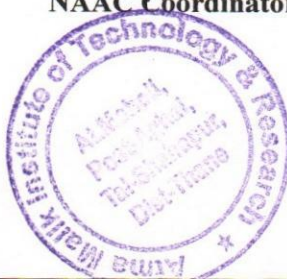


Mohili, Maharashtra, India
H742+C3Q, Wada - Shahapur Rd, Mohili,
Maharashtra 421601, India
Lat 19.555726°
Long 73.251008°
11/03/23 03:15 PM GMT +05:30

Shamee
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Shamee
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Washrooms for Disabled with side handrails



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