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Bapatla Engineering College :: Bapatla

(Autonomous)

GREEN CAMPUS POLICY



Bapatla Engineering College:: Bapatla
(Autonomous under Acharya Nagarjuna University)
(Sponsored by Bapatla Education Society)
BAPATLA - 522102 Guntur District, A.P.,India
www.becbapatla.ac.in



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Introduction:

Bapatla Engineering College (BEC) envisions a Clean and Green Campus where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus and beyond the campus. The green campus concept offers the institution an opportunity to take the lead in redefining its environmental culture through instilling environmental ethics among students and staff. The Institute also promotes Clean and Green campus through adopting, practicing and promoting environmental friendly practices among students and staff to generate Eco-consciousness among them and in the world around them. The increasing human foot print on earth poses great environmental challenges that continue to grow over time. An unprecedented effort is required to alleviate the adverse effects that human activities have on the ecosystem, effects that in turn alter how we interact with the earth and with each other. Inclusion of all approaches to problem solving will be necessary to effect a meaningful change.

Vision:

BEC Vision is to create awareness among young students and public about various environment related problems and conservation of Nature and natural resources in the surrounding area and educating on how to live Eco-friendly.

Mission :

- To bring awareness among the students about the environment and habituated to live in Eco friendly environment.
- To help the students understand each individual's responsibility to take an initiative to save the environment.
- To help students take small steps in saving the environment.

Objectives :

- To encourage students to keep environment clean.
- To educate students to create awareness amongst public.
- To make students understand the importance of environment and its

Functions :

- To sensitize the students to minimize the use of polluting product.
- To motivate students to adopt environment friendly practices which include paper bags, save electricity, etc.
- To take necessary measures to protect the environment.



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Environmental policy of the college:

Bapatla Engineering College, Bapatla protects its own environment with its green campus initiatives and maintains a pollution free green and clean campus by planting Neem trees in and around the campus. Environment development is its basic work with the educational policies implemented on the campus.

The Institution is committed to managing its campus in accordance with responsibilities towards promoting sustainable environment. These responsibilities can be demonstrated within the following areas:

- *Green Environment and Clean Campus*
- *Solid Waste Management*
- *E -Waste Management*
- *Liquid Waste Management*
- *Soil Management*
- *Maintenance of Water Bodies*
- *Landscaping with Trees and Plants)*
- *Energy Use and Conservation*
- *Air Pollution Management*
- *Restricted Use of Automobiles*
- *Ban on Single-use Plastics on the Campus*
- *Green Audit*

Green Environment and Clean Campus:

The students are given strict instructions to maintain the campus clean. Several Quotes related to the importance of clean and green environment are displayed on the campus. A gardener and full time adequate support staff are appointed for the maintenance of litter free clean and Green Campus.

Solid Waste Management:

The college pays dedicated focus to see that minimal waste is generated in the campus. Solid waste is segregated as bio degradable and non-degradable and handed over to municipality. As a part of Swach Bharat initiative and NSS our students used to participate in Clean and Green campus program. All Departments and classrooms are provided with dustbins for dry wastage disposal. Segregation of waste into dry and wet waste from the separately allotted dustbins is done in strategic locations, thus maintaining the Campus clean and Eco- friendly.

Use of sanitary disposal machine is one of the best practices adopted by the college towards eco-friendly disposal mechanisms.



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E -Waste Management:

With the proliferation of electronics also comes the challenge of their proper disposal. The College is grappling with ways to efficiently and cost-effectively handle the issue of electronic waste, or e-waste, on campus. It's normal for people to discard of products due to normal wear and tear, but technological advancements have accelerated e-waste growth as students, faculty and administrators frequently upgrade to better gadgets. This surge has forced college administrators to carefully examine and address the environmentally responsible disposal of these products on a campus-wide scale. The college adopts most scientific and eco-friendly e-waste disposal mechanisms. All Electronic waste CPU's, Hard disks, Laboratory Equipment scrap is sent periodically to the market for sale. The institution has a contract for approved E-Waste Management and Disposal facility in order to dispose E-waste in scientific manner. Obsolete workable computers, printers and other equipment discarded by departments are sold as scrap. The cartridges of printers are refilled outside the college campus. UPS Batteries are recharged and repaired by the suppliers. Suitable budget is allocated to upgrade the systems.

Liquid Waste Management:

Next to air, water is the most important element for the preservation of life. Water is a finite commodity which, if not managed properly, will result in shortages in the near future. Water conservation can go a long way to help alleviate these impending shortages. Students are made aware that conserving water is equivalent to conserving their future. Drinking water from the tap, and refilling bottle as often as the students need is one of the best practice followed at Bapatla Engineering College. Disposable bottles are not allowed. In house - plumbers attend promptly to fix leakages and wastage of water.

Soil Management:

The college has started vermicomposting culture during 480x 3 cu.ft. In this process the college is able to produce vermicompost ,after completion of this process of vermicomposting, the same is used as manure. The main benefits of this process are to reduce the waste in the environment and also it works as a cost saving measure. The main objective of this culture is to understand the benefits of composting and organic farming. Solid waste from bird droppings, food leftovers from the canteen is treated and converted into vermicompost in the compost pit.

Maintenance of Water Bodies:

The Institution aims to provide the best services to the students in all the possible ways, in education facilities, in infrastructure and in basic necessities like water. The institution functions with the help of ground water. There are bore wells and RO water plant which cater to the needs of the college. The institution has a good storage of ground water, drinking water and water for cleaning purpose. The Institution has R.O purifier, which purifies and



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separates drinking water and waste water. That waste water is used for cleaning purpose and transformer earthlings and gardening purpose. Every floor is equipped with drinking water facility. Apart from the ground water the College has rain water harvesting pits, which function efficiently during rainy season. It is made mandatory to clean and disinfect water holding tanks at least monthly once or more often, if required. So, the college realizes the value of every drop of water and saves the rain water strategically for future use.

Landscaping with Trees and Plants:

The NSS unit of BEC organise Tree Plantation program every year at the College Campus. Faculty and students take part in the Programme, a green initiative of the government. Students and staff enthusiastically initiate and participate in the tree plantations drive on the campus and also outside the campus. Environmental promotional activities conducted to bring awareness in the student's community regarding advantages of tree plantation for an Eco-friendly Environment. BEC celebrates "The World Environmental day" on June 5th every year and "International Plantation Day" every year regularly. This program promotes eco-friendly environment, by stepping up the oxygen levels on the campus. In addition, because of the decreased pollution levels and the increase in water and air quality provided by rooftops, demands for health care and stress could be reduced. Less stress levels also means happier and more

Energy Use and Conservation

A.) Use of LED Bulbs in College :

Principal's Office, Office of IQAC, Administrative Office, Library, Guest Rooms, , Ladies Common Room, Virtual Classrooms, Language Lab, Computer Labs, Science Lab, Departmental Offices, and all classrooms have LED bulbs to save and conserve energy.

B) Conducting Energy Audit:

Energy audit of consumption of electricity in the college is conducted every academic year .The objective of this audit is to identify the extent of energy consumption and find appropriate strategies conservation.

Noise Pollution Management:

A) Silence zones in the college:

Various display boards have been placed in the library and other places for awareness to maintain silence in the college.

B) Noise control in the college:

The security guard and the Physical Director of the college ensure smooth entry and exit of students without any noise.

C) No pressure horns for vehicle:

Our staff members and students are asked to refrain from pressure horns in the campus.



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Air Pollution Management:

A) Periodic Awareness Programme for Staff, Students and Society: The College conducts awareness programmes for staff, students and society for protecting and maintaining environment. Environment awareness programmes, rallies, etc. are conducted on various issues related to environment and health.

B) Establishment of Oxygen Park, plantation of oxygen rich plants: The College has a beautiful green campus. A range of medicinal plants and old trees like Neem Trees and etc. make the campus Oxygen Park.

C) “No Smoking, No Tobacco” in campus area: Tobacco and tobacco products are strictly prohibited in the college premises and consuming Tobacco and tobacco products is a punishable offence. The instructions regarding this are given to the students and the staff members. The boards are displayed at various places in the college.

Restricted Use of Automobiles:

Patterns of parking and driving around campus have significant effects on campus life and the environment at large. While it seems like a relatively small issue in the context of the operations of the College, reducing driving behaviour fits within many of the other initiatives that the College has set forth to achieve, such as the Sustainability Initiative and creating well-rounded citizens of the community at-large. Bapatla Engineering College has adopted restricted use of automobiles entry through its clearly laid out parking policy which restricts the students to get only 2 wheelers.

Ban on Single-use Plastics on the Campus:

Bapatla Engineering College has been constantly adopting practices and revising its policies towards a cleaner and plastic-free campus. Following the MHRD and UGC guidelines on 2 October 2019 to educational institutions across the country, Bapatla Engineering College has issued a notification to Students and all Stakeholders that there would be a ban implemented on the use of single use plastics on the campus with effect from 15 October 2019. The institution through its NSS unit conducts sensitization programs on the harmful impact of single-use plastics and mandates all the students to avoid bringing non-bio-degradable plastic items to the institution, which include plastic bags, cups, plates, small drinking water bottles, straws and sachets. The institution facilitates environment friendly substitutes like stainless steel, washable and reusable tumblers at all water units and mandate the canteen to serve only in paper plates/stainless steel and glasses/paper cups to systematically ban the use of plastics on the campus. Bapatla Engineering College encourages the students to sensitize their respective households about the harmful effects of plastics and make their households plastic-free



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Green Audit:

Bapatla Engineering College committed to create “An environment of educational excellence” adopts the ‘Green Campus’ system for environmental conservation and sustainability. The College conducts Green Audit regularly to identify, quantify, describe and priorities a framework of Environment Sustainability in compliance with the applicable regulations, policies and standards.

A gardener and full time staff are appointed for the maintenance of clean and Green Campus These strategies are incorporated into the institutional planning and budgeting processes with the aim of developing a clean and green campus. The institution is committed to make necessary efforts to involve the students, faculty and staff in “Green Campus Initiatives”.



PRINCIPAL
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