



Environmental Conservation

**RFNS SENIOR SCIENCE
COLLEGE AKKALKUWA**

7.1.2: The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and no degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

1. Alternate sources of energy and energy conservation measures:

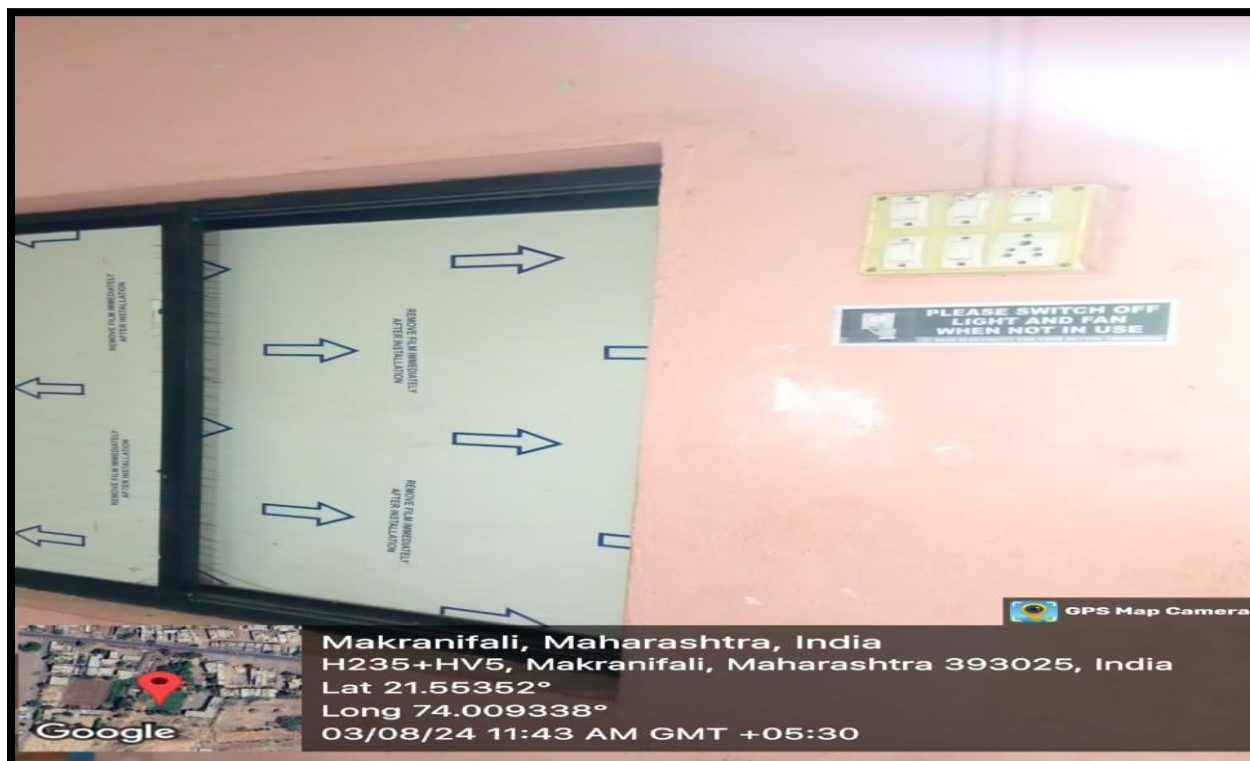
The Institution uses LED Tubes to save energy. LED tubes have been installed in all classrooms. The instructions to switch off the lights, computers, printers and equipment's are displayed where ever necessary.





The use of LED Tubes at Office, Laboratory and Classrooms





Instructions are displayed to Save Energy

2. Management of the various types of degradable and no degradable waste

Solid waste includes garbage, rubbish such as paper in classrooms, Laboratory and offices. Dustbins are located at different places to collect solid wastes .Sorapada Group Gram Panchayat collects garbage of the campus and takes it away regularly. The NSS units of the college organize cleanliness programs in college premises. The NSS volunteers regularly participate in campus cleaning initiatives. Teaching and non-teaching staff of the concerned department's instil the students for optimum care to be taken while using hazardous solid chemicals in the practical





Dustbin Placed for Collection of Solid Waste







Regular Cleanness Work by Staff



NSS Volunteer Participate Cleanness Drive on Ahinsa Saptah Organize by NSS





Cleanness Drive by Student in Swachhata Pandharwada 2019-20 Organize by NSS



Cleanness Drive by NSS Volunteer in Campus



Use of Solid Waste Management Facility Provided by Grampanchayat



Garbage collection vehicle of Grampanchayat Collects Garbage

Vermicomposting Project





Vermicomposting Project for Organic Waste by Zoology Department

Drainage System for Chemical Waste



Maintenance of Non-working Electric Equipment for E- Waste Manegement

Ref. No. 223DEC-1

TO NANDURBAR JURISDICTION

SHOP NO A1 DSK COMPLEX OPP BUS STAND
NANDURBAR
9975391414 / 9763286588
GSTIN/UIN: 27DWNPS5012Q1ZP
State Name : Maharashtra, Code : 27
E-Mail : megacomnbd@gmail.com

Dated 1-Dec-22

Tax Invoice

Party : RFN SANCHALIT SR SCIENCE COLLEGE AKKALKUWA
State Name : Maharashtra, Code : 27

| Description of Goods and Services | HSN/SAC | Quantity | Rate (Incl. of Tax) | Rate | per | Disc. % | Amount |
|-----------------------------------|----------|----------|---------------------|----------|-----|---------|------------|
| PRINTER REPAIRS | 84713010 | 1 pc | 3,500.00 | 2,966.10 | pc | | 2,966.10 |
| NETPROTECTOR AV | 8523 | 1 pc | 1,100.00 | 932.20 | pc | | 932.20 |
| TOTAL SECURITY 3YR | 84713010 | 2 pc | 249.99 | 211.66 | pc | | 423.72 |
| CARTRIDGE REFILL | 8443 | 1 pc | 570.00 | 483.05 | pc | | 483.05 |
| CART 12A- Q | | | | | | | |
| CARTRIDGE | | | | | | | |
| CGST | | | | | | | 4,805.07 |
| SGST | | | | | | | 432.45 |
| ROUND OFF | | | | | | | 432.45 |
| | | | | | | | 0.03 |
| Total | | 5 pc | | | | | ₹ 5,670.00 |

Amount Chargeable (in words)
INR Five Thousand Six Hundred Seventy Only

Declaration
NO CLAIM WILL BE ENTERTAINED OF GST CREDIT ,
NOT REFLECTING IN GSTR2B OF THIS BILL AFTER
7DAYS FROM BILL DATE.

This is a Computer Generated Invoice

for MEGA COMPUTERS
Authorized Signatory

Bill Copy by Service Provider

3. Water conservation

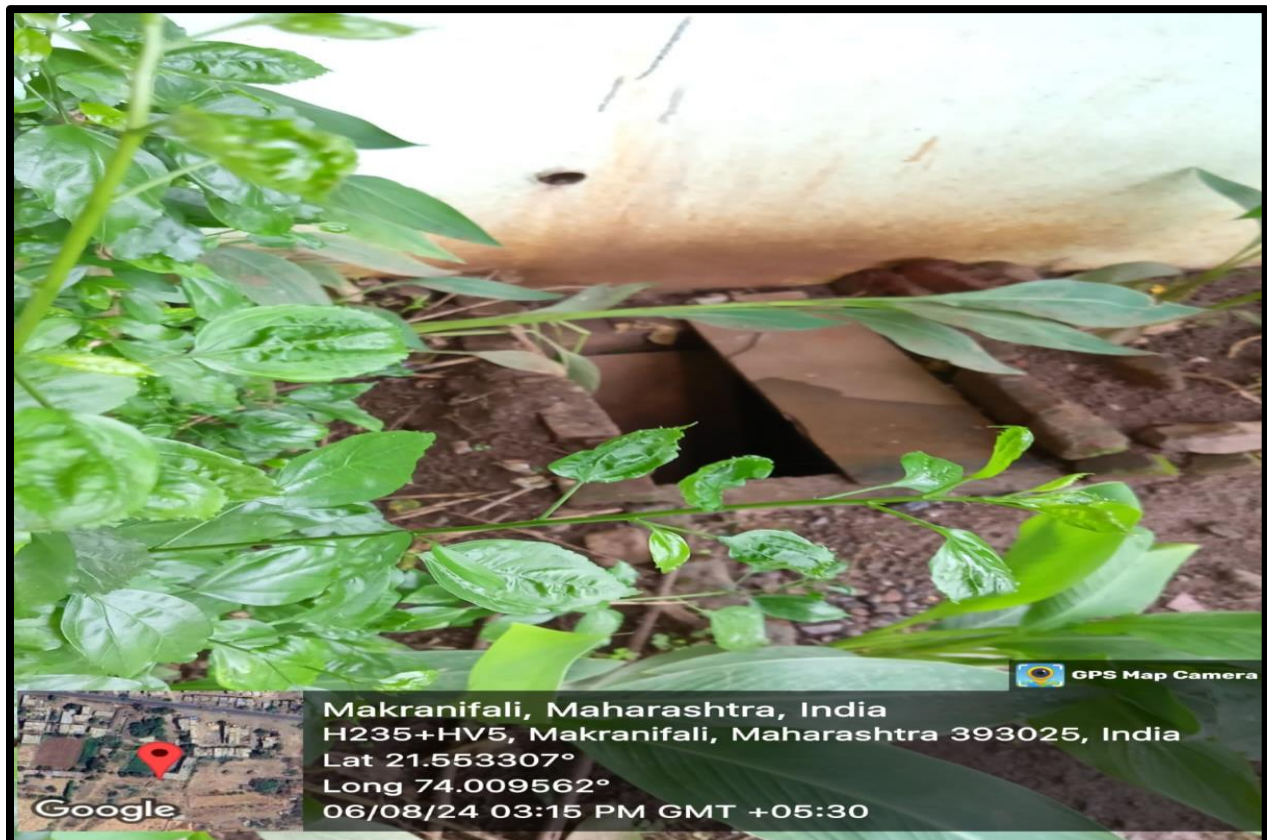
The major sources of wastewater generation in College are wash basins, toilets and science laboratories. The wastewater from science laboratories is disposed properly. Liquid wastes generated in the science laboratories are diluted with water & then discharged. The college has designed the outflow of the liquid waste in such a way that it prevents contamination of wastewater on the campus. A properly constructed leakage proof sewage system is used for drainage



Drainage System for Waste Water



Safety Tank for Waste



Drainage Chamber of Drainage System



Absorption Pit



Reuse of Wastage Water for Plan

Rain Water Harvesting

As a measure of water conservation, a proper rain water harvesting system has been installed in the main building of the college to channelize the water collected during rainy season. The Department of Chemistry has met with its need of distilled water by storing the rainwater in a tank. The rain water falling on the roof-top is smoothly carried to the tank, where it is stored for being used in practical. The remaining rainwater is harvested in the percolation tank.



Rain Water Harvesting System for Water Conservation



Ground Water Recharge Trough Open Space & Farm

4. Green campus initiatives

Restricted entry of Automobiles:. All entry points into the campus were closed for vehicles and those who come by vehicles had to park them outside the campus and walk to their department or office. Most of the students of our College come from nearby villages; they use public state transport for daily commute to the college. Bus stand is just half kilometer away from the campus hence students prefer to walk.



Celebrate World Bicycle Day for Promotion for Bicycle use for Environment Conservation

Use of Public State Transport by students: The majority of our students use public transport to commute to college.

५९२० ९९५५ ४४७९९ ओळख पत्र क्र. 023-055521
महाराष्ट्र राज्य मार्ग परिवहन महामंडळ
र. ५-००

विद्यार्थ्याचे नांव विहीता विना.ड. जेलन
पत्ता सावनासही
जन्मतारीख ०२/०४/२००३
शिक्षण संस्थेचे नांव व पत्ता
विना.ड. विना.ड. महाविद्यालय
अहमदनगर जिल्हा

आगार प्रमुखाची सही व शिक्का

५९०९९५९३२७

महाराष्ट्र राज्य मार्ग परिवहन महामंडळ
विद्यार्थी मासिक सवलत पास

| जालीना | ओळखपत्र क्र. | वैध | नांव | पत्ता | जन्म दि. | वय | शिक्षण संस्थेचे नांव | पत्ता | जन्म दि. | वय | शिक्षण संस्थेचे नांव | पत्ता |
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आगार प्रमुखाची सही व शिक्का

५९२० ९९५५ ४४७९९ ओळख पत्र क्र. 024-300350
महाराष्ट्र राज्य मार्ग परिवहन महामंडळ
र. ५-००

विद्यार्थ्याचे नांव तुक्की मालविना जे.स.या
पत्ता तुक्की मालविना जे.स.या
जन्मतारीख ०२/०४/२०००
शिक्षण संस्थेचे नांव व पत्ता
विना.ड. विना.ड. महाविद्यालय
अहमदनगर जिल्हा

आगार प्रमुखाची सही व शिक्का

५९०९९५९३३८

महाराष्ट्र राज्य मार्ग परिवहन महामंडळ
विद्यार्थी मासिक सवलत पास

| जालीना | ओळखपत्र क्र. | वैध | नांव | पत्ता | जन्म दि. | वय | शिक्षण संस्थेचे नांव | पत्ता | जन्म दि. | वय | शिक्षण संस्थेचे नांव | पत्ता |
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| १० | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ | ४४ |
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| १२ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ | ४६ |
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आगार प्रमुखाची सही व शिक्का

म. रा. मा. प. म
रा. प. अककलकुवा आगार
क्र: ००२९०५५०५/०८/२४ ०७:५१:५८
साथी बस 5204304
पुनर्वसन ते अककलकुवा
(प्रवासाचे एकूण टप्पे = 1.0) 55024
फूल: ₹१०.०० = ₹ १०.००
अ.स.निधी सहित
रोख = ₹ १०.००
AKKW25 ०१३७९५ SK VALVI
अहस्तांतरणीय ८६२८५८०६१३१६६७३

Student Bus Ticket and Pass- Student Use Public Transport

Ban on plastic:- - Students are appealed not to use plastic materials to maintain plastic free campus. In this regard instructions are given to students in the class rooms as well as notice boards. The premises are also kept clean through cleanliness campaigns with the help of NSS Volunteers. Students are instructed to use garbage cans for disposal of water, pouches, plastic bags, which helps in maintaining cleanliness on the campus. Dustbins have been kept in each class room, library, office, and staff room. All this garbage is collected with the help of non-teaching staff and transferred to the garbage truck of the Gram Panchayat for disposal.



Plastic Free Campus Board



Street Play Act by NSS Volunteers on "Plastic Free Campaign" on 04/10/ 2019



Rangoli Competition on "Clean India" in Mahatma Gandhi Jayanti Saptah



Elocution Competition- Topic "Plastic Free Recruitment" on 24/09/2019



Essay Competition- Topic "Plastic Free Recruitment" in Mahatma Gandhi Jayanti Saptah on 24/09/2019



Global Warming Workshop for Environment Awareness on 22/01/2019 by SDD



Guidance by Prof. Dr. Ankush Khobragade on "Clean India Mission " in One- Day Seminar on Sanitation Campaign Pandharavada on 01/08/2019



Tree Plantation by NSS Volunteer in Kulpati Dhan Van Yojna

घन वन योजनेतून वृक्षारोपण

लोकमत न्यूज नेटवर्क
नंदुरबार : अक्कलकुवा येथील वरिष्ठ विज्ञान महाविद्यालयात राष्ट्रीय सेवा योजनेमार्फत कुलपती घन वन योजनेद्वारे वृक्षारोपण करण्यात आले. आरएफएनएस वरिष्ठ विज्ञान महाविद्यालयाच्या राष्ट्रीय सेवा योजना एककमार्फत कुलपती घन वन योजना अंतर्गत मान्यवरांच्या हस्ते वृक्षारोपण करण्यात आले. प्रमुख पाहुणे म्हणून राष्ट्रीय सेवा योजना जिल्हा समन्वयक

डॉ. विजय पाटील व डॉ. योगेश दुशिंग, प्रा. अंकुश खोब्रागडे, डॉ. मनोज मुधोळकर, प्रा. गोपाल शेंडे, प्रा. गोदू सूर्यवंशी, योगेश महाजन, कांतीलाल पाटील, जगदीश पटेल, नारायण पाटील, प्रशांत पिंपरे, भगवान पाटील, अंकुश ठाकरे, मनीष पटेल, भरत साळवे उपस्थित होते.

प्राचार्य डॉ. सी. पी. सावंत, डॉ. विनोद जोगदंड यांनी वृक्ष संवर्धन या विषयावर विद्यार्थ्यांशी चर्चा केली.

Hello Nandurbar
Page No. 2 Sep 15, 2022
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Newspaper cutting of Tree Plantation



Plants Care by Staff and Student

Landscaping with plants-

This includes the plants present in the campus. This also helps in ensuring that the environmental policy is enacted, enforced and reviewed using various environmental programmes. Campus is having 51 different types of plant species.



Landscaping



Landscaping

| Botanical garden & college campus plant Lists | | |
|--|--|-------------|
| Botanical name | | No of plant |
| Bambusa vulgaris | | 01 |
| Celastrum bicolor | | 01 |
| Rhoeo spathacea | | 01 |
| Agave americana L | | 01 |
| Zephyranthes citrina | | 01 |
| Hymenocallis tenuiflora Hook | | 03 |
| Canna indica L | | 04 |
| Euphorbia talyca L | | 01 |
| Bougainvillea spectabilis | | 01 |
| Lantana camara L | | 02 |
| Tecoma stans | | 01 |
| Ipomoea quamoclit L | | 02 |
| Argemone nervosa (Burm) | | 03 |
| Plumeria alba L | | 01 |
| Hibiscus macrophylla Wats | | 01 |
| Hibiscus scholastica (L) | | 01 |
| Nyctanthus arborescens | | 01 |
| Jasminum sambac | | 01 |
| Kalanchoe pinnata (Lam) | | 01 |
| Pithecellobium dulce (Roxb) | | 01 |
| Mimosa pudica L | | 02 |
| Cassia surattensis (Burm) | | 02 |
| Delonix regia | | 02 |
| Cassia glauca | | 01 |
| Bauhinia tomentosa L purpurea | | 01 |
| Clitoria ternatea L | | 03 |
| Ziziphus maritima Lamk | | 01 |
| Aycaea hillimbil | | 01 |
| Hibiscus scholastica L | | 01 |
| Hibiscus schizopetalus Hook | | 02 |

| Lists of Botanical garden & college campus department of Botany | | |
|--|--|-------------|
| Botanical name | | No of plant |
| Amorpha reticulata L | | 02 |
| Amorpha canescens L | | 02 |
| Polypodium longifolia | | 10 |
| Zingiber officinale L | | 01 |
| Ixora chinensis Lamk | | 01 |
| Plumeria alba L | | 01 |
| Passiflora foetida L | | 01 |
| Madhuka indica L | | 04 |
| Lectonotus grandis L | | 01 |
| Tylophora indica L | | 01 |
| Justicia adhatoda L | | 03 |
| Ocimum tenuiflorum | | 01 |
| Aspidistra indica L | | 02 |
| Asparagus racemosus | | 01 |
| Phyllanthus emblica | | 03 |
| Magnifera indica L | | 01 |
| Neel marmelos | | 02 |
| Psidium guajava | | 01 |
| Sparganium angustifolium | | 01 |
| Coccoloba mucifera L | | 01 |
| Cissus quadrangularis | | 01 |
| Thevetia peruviana L | | 01 |
| Melia azadirachta | | 01 |

List of plant species in the campus



Botanical Garden



Medicinal Plant Garden



Tree Plantation by Hon. Chairman of Institute Mr. Appasaheb Prakash Patil & Principal Prof, Dr. C. P. Sawant in Swachatta Pakwada on 15/08/2021 Organize by SDD



Tree Plantation Programme jointly Organize by NSS and Forest Department on Environment day



Guest Lecture by Nandkishor Suryawanshi BDO Akkalkuva on Tree Conservation and Tree Plantation by Principal Prof. Dr. C.P. Sawant, and Student Guest at College Campus and Devmogra Village Organize by NSS on 10/07/2021

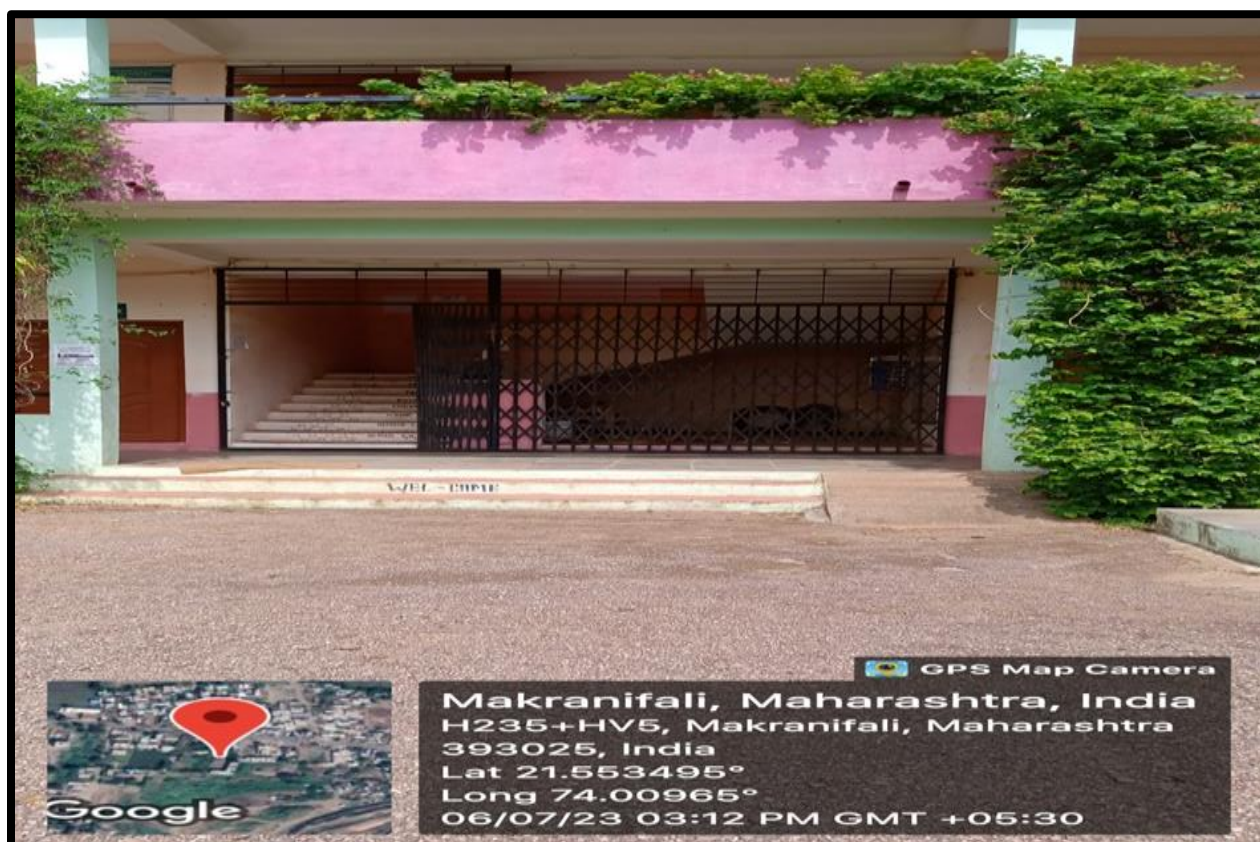


Tree Plantation by NSS Volunteer in Kulpati Dhan Van Yojna

5. Disabled-Friendly, Barrier Free Environment:



Signposts



Ramp on Entrance Gate



Ramp on Entrance Gate

Summery:-

The institution prioritizes energy conservation and environmental management. LED tubes are installed in all classrooms to reduce energy use, and clear instructions for turning off lights and equipment are provided. Solid waste, including paper, is collected in dustbins throughout the campus, and garbage is regularly removed by the Sorapada Group Gram Panchayat. NSS units organize and participate in campus cleaning initiatives, and staff educate students on safely handling hazardous chemicals. Wastewater is managed through a well-designed sewage system that prevents contamination. Science lab liquid wastes are diluted and safely discharged. Vehicle access is restricted, with parking outside the campus to encourage walking, especially for students who use nearby public transport. The campus is designed to be disabled-friendly and barrier-free.