



CHINAIRLAPADU GRAMA PANCHAYAT (KANIGIRI MANDAL)

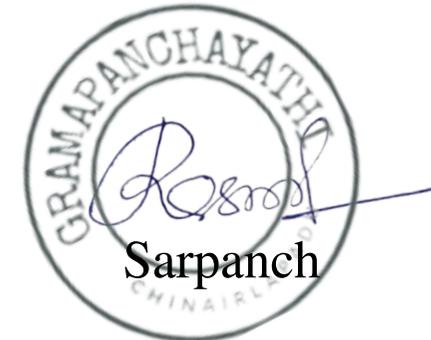
स्वच्छ सर्वेक्षण 2021

CERTIFICATE OF APPRECIATION

This Certificate of Appreciation is here by granted to ABR College of Engineering & Technology who participated in Swachh Survekshan in Madalavarigudem held on the Occasion of Gandhi Jayanthi October 2nd, 2021.



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NARASIMHARAO LAGUMARAPU
Location: Principal, ABR CET,
Kanigiri
Signing Date: 13.05.2024 22:50

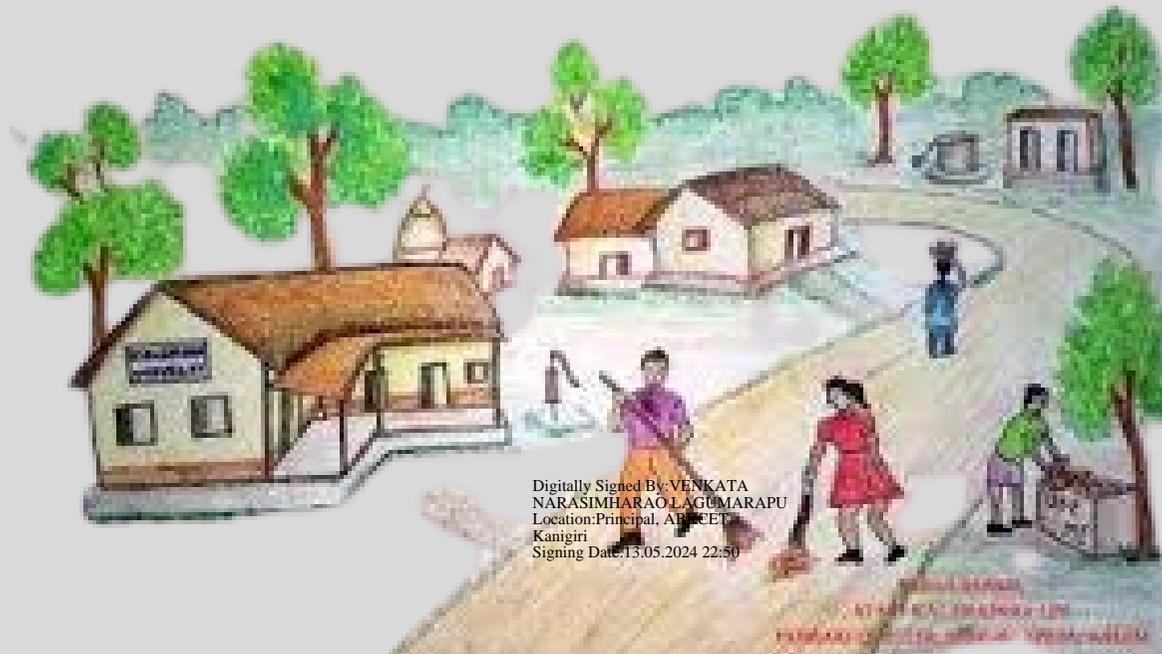


CHINAIRLAPADU GRAMA PANCHAYATH

SWATCH SURVEKSHAN 2022

CERTIFICATE OF APPRECIATION

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Sarpanch



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Prakasam Dt, (A.P), PIN 523254, Cell: 9866461623

Website: www.abrcet.edu.in E-mail: abrcet2008@gmail.com, hj.principal@jntuk.edu.in

Clean and Green Campus Initiatives





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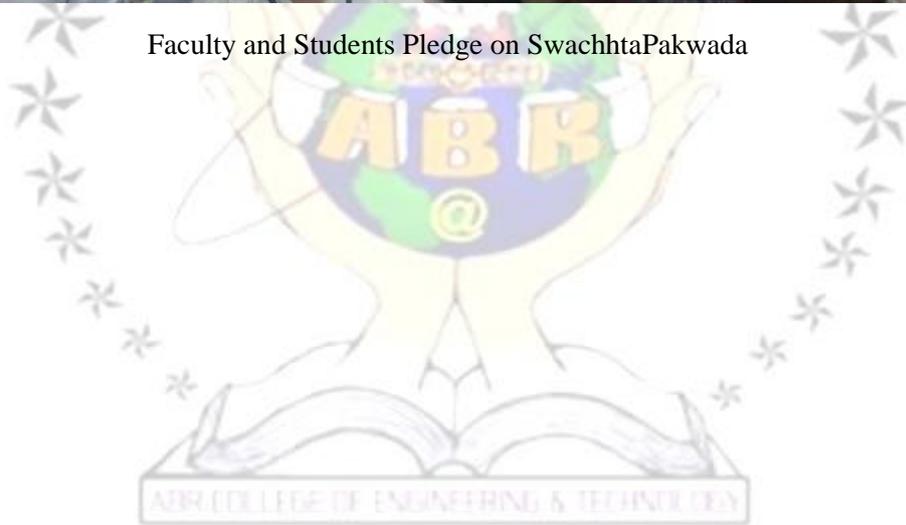
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Pledge on Indian Constitution Day



Faculty and Students Pledge on SwachhtaPakwada



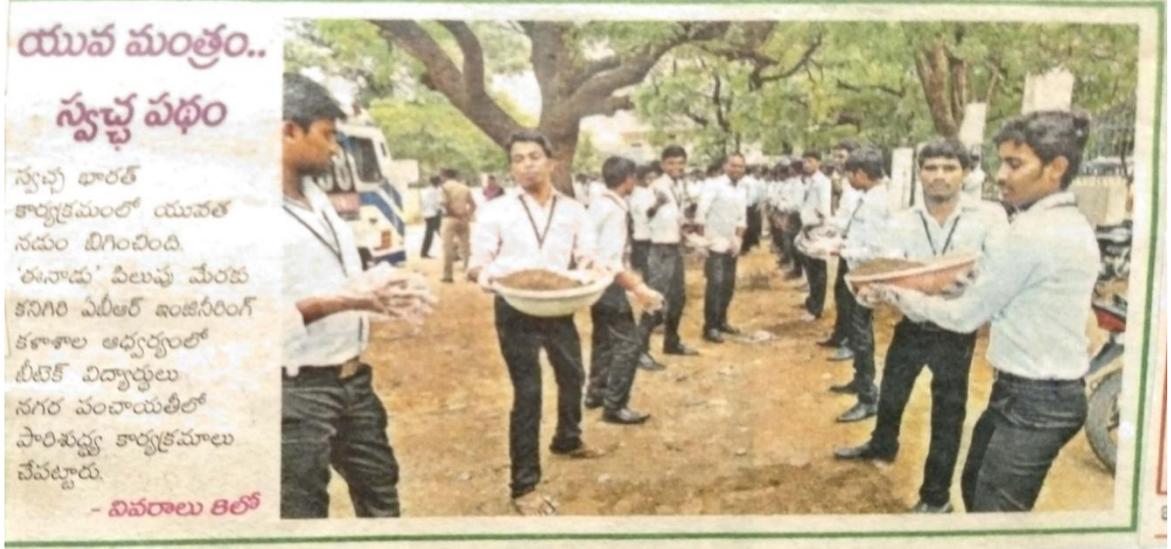


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యువ మంత్రం..

స్వచ్ఛ పథం

స్వచ్ఛ భారత్
కార్యక్రమంలో యువత
నడుం బిగించింది.
'తానాడు' పిలుపు మేరకు
కనిగిరి ఏటీఆర్ ఇంజనీరింగ్
కళాశాల ఆధ్వర్యంలో
టీఆర్ విద్యార్థులు
నగర పంచాయతీలో
పారిశుధ్య కార్యక్రమాలు
చేపట్టారు.

- వివరాలు కిలో

Conducted program on "Swachha Bharath" in Rural Places





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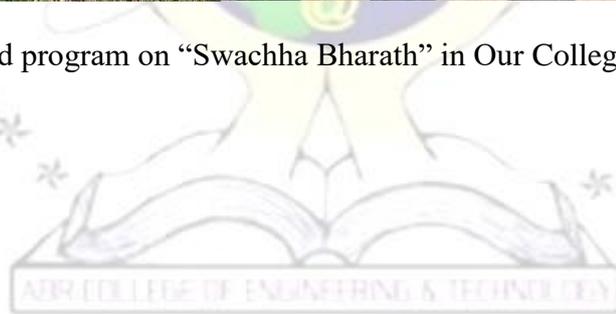
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Conducted program on “Swachha Bharath” in Our College Premises





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Day – 2 water conservation Awareness Program

నీటికి నడకలు నేర్పారు

నీరు మన దినదిన ముఖ్యమైనది. ఆ దినదిన మనకు అవసరమైనది. కానీ మనకు అవసరమైనది కాకుండా పోతుంది. అందుకే మనకు నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి.

నీటి కుంటలు, రాతికట్టలు, ఇంకా గుంతలు

అక్రికల్టర్ల ఇంజనీరింగ్ విద్యార్థుల కార్యక్రమం

ప్రకృతి సంరక్షణ

ఈ రోజుల్లో నీటి వనరులు తగ్గినంతగా ఉండవు. అందుకే నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి.

పూజలారం.. పాఠశాలల పాఠశాల

పాఠశాలల్లో నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి. నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి.

సజల సైన్యం

నీ వెనుక ఏముంది.. ముందు ఏముంది అనేది నీకనవరం.. నీలో ఏముందినేది ముఖ్యం - సార్వమ్య దేవతారం

వెలిగండ్ల మండలం శివసాగర్లో ఇంకా గుంతలు తవ్వించారు.

మూల్యార్పణం ఉండేంతగా కృషిచేయాలి.

ఇంజనీరింగ్ విద్యార్థుల కార్యక్రమం.

పాఠశాలల్లో నీటిని సులభంగా అందుకునే ప్రతి వ్యక్తిని ప్రోత్సహించాలి.

Awareness program on “water conservation” in Rural places

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Signing Date: 13.05.2024 22:36



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శ్రీ విజయం

అనుభవం... నేర్చుకుందాం & పాఠం
నిర్ణయం చేసిన నీటితో నేరు నిర్ణయం
‘కనానాడు’ స్వచ్ఛత కోసం గుంటూరు
‘కనీటి’ కష్టం కోసం
చెట్ల పెట్టుకున్నారా

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కళ్లు తెరుద్దాం

అనుభవం... నేర్చుకుందాం & పాఠం
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Conducted Awareness Program on “Water Conservation” in Our College
NARASIMHARAO LAGUMARAPU
Location: Principal, ABR CET,
Kanigiri
Signing Date: 13.05.2024 22:36



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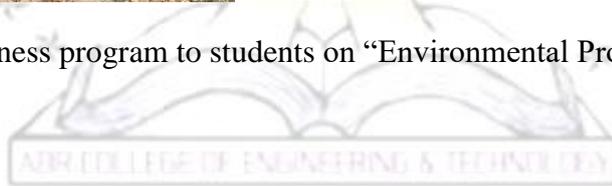
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Day – 3 Haritha Haram Awareness



Awareness program to students on “Environmental Protection”





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Day – 4 Clean and Green Programmes



హనుమంతునిపాడు పోలీస్ స్టేషన్ ఎదుట ఉన్న
పిచ్చిమొక్కలను తొలగిస్తున్న విద్యార్థులు



ఈనాడు తోడు రాగా తమవంతుగా కదిలిన కనిగిరి పోలీసులు



Awareness on Clean and Green in rural places

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Day – 5 Tree Plantation Drive



Planting Drive in Our college premises



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Day – 6 Health Programme

శ్రీనివాస్ 13/7/24
రక్తదానం చేస్తున్న ఏబీఆర్ విద్యార్థులు

ఆపద్బాంధవులు

కనిగిరి ఏబీఆర్ కళాశాల విద్యార్థులు ఏ క్షణమైనా.. ఎవరికి రక్తం అవసరమైనా ఫోన్ చేస్తే చాలు క్షణాల మీద రక్తదానం చేసేందుకు 500 మంది సిద్ధంగా ఉంటారు. ఒ పాజిటివ్, ఎ పాజిటివ్, బి పాజిటివ్, ఒ నెగెటివ్, బి నెగెటివ్, ఎబి పాజిటివ్ ఇలా.. అన్ని గ్రూపుల రక్తం ఉన్న విద్యార్థులు ఇక్కడ ఉన్నారు. ఏడాది కాలంలో ఇప్పటి వరకూ వివిధ రకాలుగా ఇబ్బంది పడుతున్న 95 మందికి రక్తదానం చేసి ఆపద్బాంధవులుగా నిలిచారు.

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Health Programme in Campus

Day – 7 Swachh Bharath Campaign



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మురుగు కాలువలో పూడిక తొలగిస్తూ.. చెత్త తీస్తూ...

Day-08 Awareness Programme on Health and Hygiene for Women



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Conducting Awareness Programme on Health and Hygiene for Women

Day-09 Swachh Survekshan Awareness Camp



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Day-10 Essay Writing – “Swachhata Hi Seva”



Conducting Essay writing on “Swachhata Hi Seva”

Day-11 Elocution on Health and Hygiene





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Day-12 Plastic Waste Management Awareness Programme



Awareness program on “Plastic Waste Management Awareness Programme”



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ABRCET/2018-19 /Admin/NSS/01

Date: - 04-07-2018

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Plantation Drive-Haritha Haram and is approved.

The title of the event is “**Plantation Drive-Haritha Haram**” and is scheduled on 09-07-2018 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.

Copy to:

1. All Department HODs
2. Coordinators
3. IQAC Cell
4. Accounts


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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Plantation Drive-Haritha Haram		
Organizing Department	:	NSS Unit		
Sponsored by	:	ABRCET		
Date(s) of the Event	:	09-07-2018	No. of Days	1
Time	:	10:30 AM to 12:30 PM		
Overview of the Event	:	The goal of the Telangana government's flagship initiative, Haritha Haram, is to increase the state's green cover. The term Haritha Haram translates to "green garland" in Telugu, Telangana's official language.		
Objectives of the Event	:	Nuclear arms and Global warming are the major two threats to the human existence," Noam Chomsky, a World-renowned, living public intellectual, stated in his book named Hegemony or Survival: America's quest for Global Dominance.		
Outcomes of the Event	:	Overall, the Haritha Haram programme has several benefits for the environment, economy, and human health, and has been successful in achieving its objectives of increasing the green cover and promoting environmental conservation		
Target Group	:	Students		
Contact Information of the Coordinator(s)	:	G NAGENDRAMMA E. SRINIVASULU		
 NSS Coordinator		 PRINCIPAL		

Enclosures:

1. Brochure / Flyer

2. Event Management



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ABRCET/2022--23/Admin/NSS/01

Date:14-11-2022

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Plantation Drive-Haritha Haram and is approved.

The title of the event is “Plantation Drive-Haritha Haram” and is scheduled on 16-11-2022 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.

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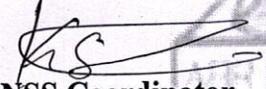
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4. Accounts

PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Plantation Drive-Haritha Haram		
Organizing Department	:	NSS Unit		
Sponsored by	:	ABRCET		
Date(s) of the Event	:	16-11-2022	No. of Days	1
Time	:	10:30 AM to 12:30 PM		
Overview of the Event	:	Government agencies: By engaging in plantation activities in their respective regions of operation, government agencies including the municipal corporation, public works department, and forest department can take part in the initiative.		
Objectives of the Event	:	The initiative also seeks to educate the general people on the value of safeguarding and maintaining the environment.		
Outcomes of the Event	:	Best conclusion for Haritha haram will be the results it brings about. The lowering of climatic temperatures, reduction in pollution levels, increase in general public health, increase in wild resources, and enhancement of wildlife and biodiversity		
Target Group	:	Students & Staff		
Contact Information of the Coordinator(s)	:	M. GAYATHRI M. C RAMANAJANEYULU		
 NSS Coordinator		 PRINCIPAL ABR COLLEGE OF Engineering and Technology Chinnalrapadu (V), Kanigiri (M). Prakasam Dt. A.P. - 523254		

Enclosures:

1. Brochure / Flyer

2. Event Management



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ABRCET/2021-22/Admin/NSS/01

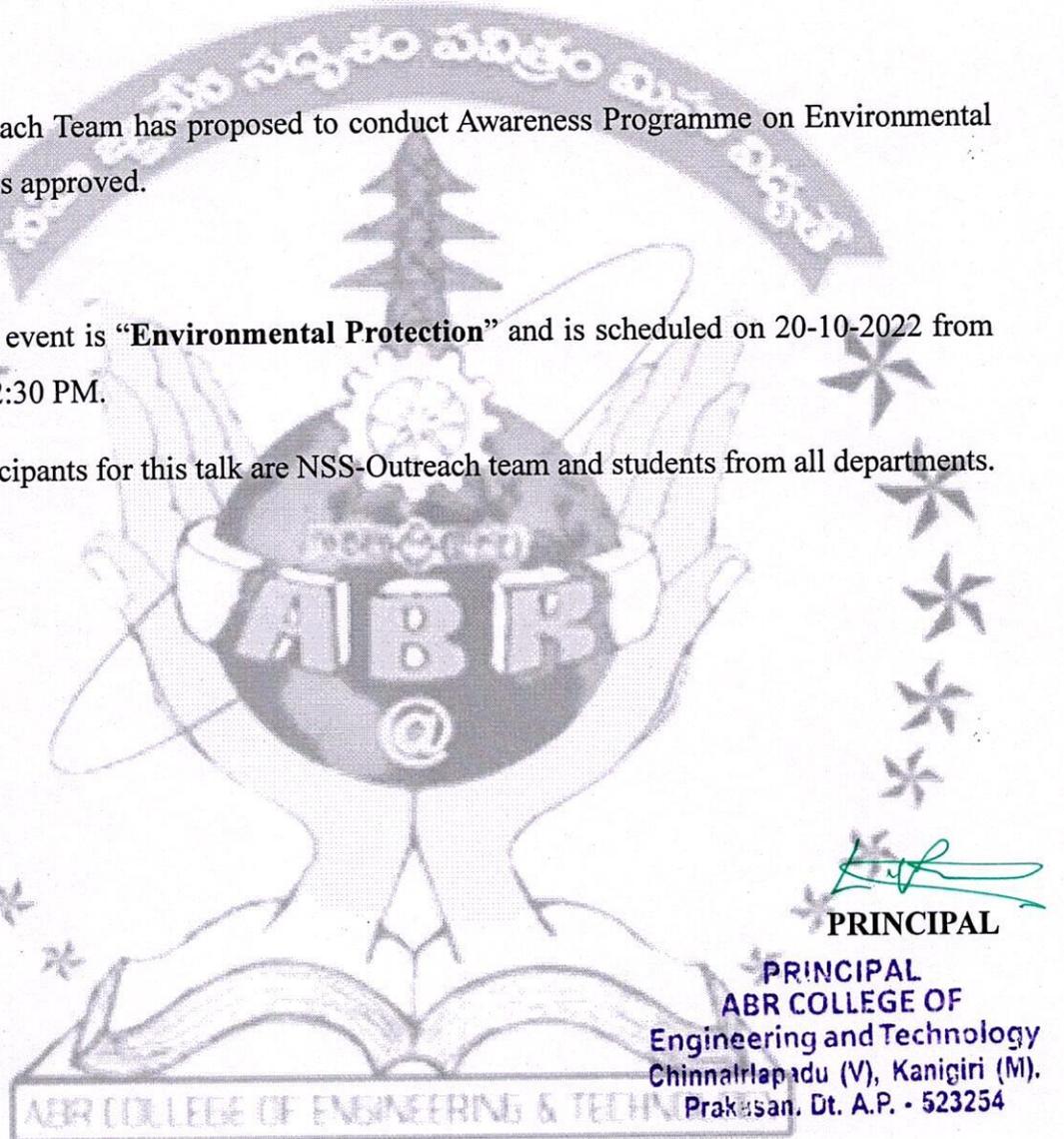
Date: - 17-10-2022

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct Awareness Programme on Environmental Protection and is approved.

The title of the event is “Environmental Protection” and is scheduled on 20-10-2022 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.



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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Environmental Protection
Organizing Department	:	NSS Unit
Sponsored by	:	ABRCET
Date(s) of the Event	:	20-10-2022
Time	:	10:30 AM to 12:30 PM
Overview of the Event	:	Environment is thus defined as "the sum total of water, air and land, interrelationships that exist among them and with the human beings, other living organisms and property.
Objectives of the Event	:	<ol style="list-style-type: none">1. Understanding, and looking for possible solutions to common yet simple and easily observable socio-economic conditions and problems.2. To observe and examine some common characteristics of non-living things.3. Observing simple events in the earth and sky, drawing their causes and images.4. Exploring important aspects of your socio-civil environment, and understanding its various aspects.
Outcomes of the Event	:	<ol style="list-style-type: none">1. An Environmental Studies major will be able to critically examine all sides of environmental issues and apply understanding from disciplines such as history, economics, psychology, law, literature, politics, sociology, philosophy, and religion to create informed opinions about how to interact with the environment on both a personal and a social level.2. An Environmental Studies major will be able to recognize the physical, chemical, and biological components of the earth's systems and show how they function.3. An Environmental Studies major will be able to do independent research on human interactions with the environment.
Target Group	:	Students & Staff
Contact Information of the Coordinator(s)	:	T. SAIDA REDDY
		 NSS Coordinator
		 PRINCIPAL PRINCIPAL ABR COLLEGE OF Engineering and Technology Chinnairlapadu (V), Kanigiri (M), Prakasam Dt. A.P. - 523254

Enclosures:

1. Brochure / Flyer

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2. Event Management



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ABRCET/2018-19 /Admin/NSS/01

Date:04-06-2018

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Haritha Haram and is approved.

The title of the event is “**Haritha Haram**” and is scheduled on 16-06-2018 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.


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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	: Haritha Haram
Organizing Department	: NSS Unit
Sponsored by	: ABR CET
Date(s) of the Event	: 16-06-2018
Time	: 10:30 AM to 12:30 PM
Overview of the Event	: Forest blocks adjacent to major cities and towns are under development as urban parks, acting as urban "lung" spaces. The vegetation in urban open spaces acts as a sink for carbon dioxide. They reduce pollution and produce oxygen.
Objectives of the Event	: <ul style="list-style-type: none">❖ The main objective of the Haritha Haram programme is to increase the green cover of the state from the existing 24% to 33% by planting and nurturing millions of saplings every year.❖ The programme also aims to create awareness among the public about the importance of preserving and protecting the environment.
Outcomes of the Event	: Overall, the Haritha Haram programme has several benefits for the environment, economy, and human health, and has been successful in achieving its objectives of increasing the green cover and promoting environmental conservation in Kanigiri.
Target Group	: Students
Contact Information of the Coordinator(s)	: S. RAMU S. PRAVEENA
 NSS Coordinator	 PRINCIPAL ABR COLLEGE OF Engineering and Technology Shinnairlapadu (V), Kanigiri (M), Prakasam Dt: A.P. : 523254

Enclosures:

1. Brochure / Flyer

2. Event Management

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Figure: ABR College Students Participating Vanam Manam Programme



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Figure: Our College Conducting Vana Mahotsav



Figure: ABR College Students Participating Plantation Programme

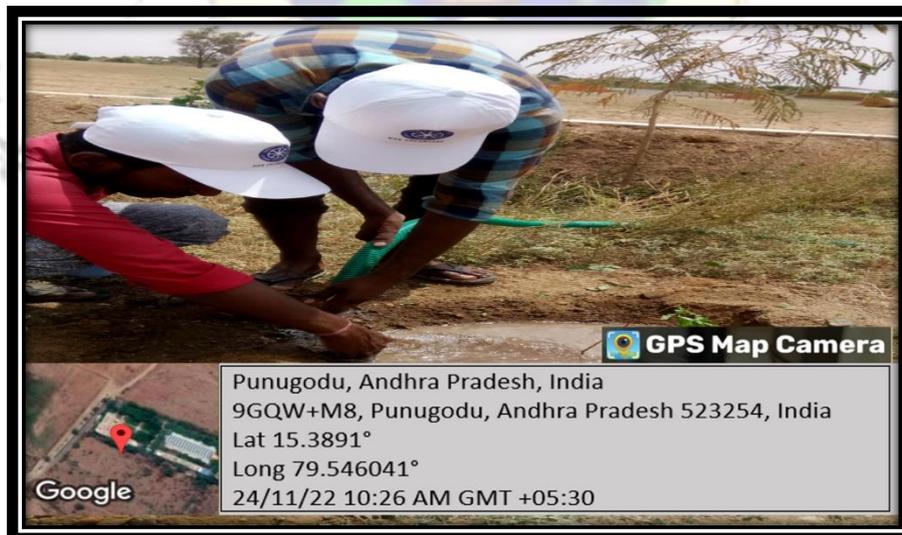


Figure: Our College Students participating Haritha Haram



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Figure: Conducting Awareness Programme on Environmental Protection





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Environmental Promotional Activities Conducted beyond the Campus

The primary objective behind this tree plantation initiative was to disseminate the message to the public about the importance of planting trees in preserving a clean and eco-friendly environment, reducing pollution, and enhancing the green landscape. Trees play a crucial role as the primary source of oxygen production, thereby assisting in the reduction of CO2 levels. Given the global challenges of climate change and various other environmental issues, tree planting has become a crucial strategy for mitigating these challenges. The tree plantation activity aimed to instill a sense of environmental consciousness among NSS volunteers and the general public, emphasizing the significance of trees in environmental sustainability and the overall beautification of the surroundings. Commencing at 09:30 A.M., the activity engaged the NSS volunteers in pre-planting preparations and the actual tree plantation process. By actively participating in this initiative, NSS volunteers were encouraged to deepen their commitment to environmental conservation.





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Plastic Awareness Program:

At ABR College, the commitment to environmental sustainability is evident through its various programs and initiatives aimed at raising public awareness on plastic pollution. The college has implemented several plastic awareness programs that have had a significant impact on educating both students and the broader community on the importance of reducing plastic usage. Through its dedication to conducting numerous events focusing on this crucial issue, ABR College has emerged as a trailblazer in promoting environmental consciousness.

One of the key components of ABR College's plastic awareness programs is its emphasis on educating the public about the harmful effects of plastic pollution on the environment. Through workshops, seminars, and awareness campaigns, the college has effectively conveyed the message that plastic waste poses a serious threat to ecosystems, marine life, and overall environmental health. These efforts have not only informed individuals about the negative consequences of plastic pollution but have also inspired them to take action in their daily lives to reduce plastic consumption.

ABR College has organized numerous events to engage the public and foster a sense of community involvement in combating plastic pollution. These events have ranged from beach clean-ups and recycling drives to guest lectures by environmental experts and film screenings highlighting the detrimental effects of plastic waste. By providing opportunities for individuals to actively participate in these initiatives, the college has succeeded in creating a sense of shared responsibility and collective action in addressing the issue of plastic pollution.

One of the most commendable aspects of ABR College's efforts is its multi-faceted approach to raising public awareness on plastic pollution. In addition to organizing events and programs within the college community, the institution has also collaborated with local organizations, government agencies, and NGOs to amplify its impact and reach a wider audience. By working in partnership with various stakeholders, ABR College has been able to leverage its resources and expertise to make a meaningful difference in promoting environmental sustainability.



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Blood Donation:

ABR College stands as a beacon of hope and altruism when it comes to blood donation campaigns and awareness programmes. With a strong commitment to fostering public awareness and conducting numerous events aimed at promoting the noble cause of blood donation, ABR College plays a vital role in encouraging students and the community to participate in life-saving initiatives.

The college's dedication to promoting blood donation campaigns is evident in its proactive approach towards organizing blood drives and seminars on the importance of donating blood. These initiatives not only help save lives but also foster a sense of community responsibility among the students. By actively participating in such events,

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students at ABR College become advocates for promoting public awareness about the critical need for blood donation.

ABR College goes above and beyond by conducting awareness programmes that highlight the significance of regular blood donation and its impact on the community. Through informative sessions and interactive workshops, students are educated on the process of blood donation, its benefits, and how it can make a difference in saving lives. These programmes not only empower students with knowledge but also instill a sense of empathy and compassion towards those in need.

One of the hallmarks of ABR College is its commitment to conducting many events focused on blood donation campaigns towards students. From blood donation marathons to awareness rallies, the college leaves no stone unturned in mobilizing the student community towards this noble cause. Through these events, students are not only encouraged to donate blood but also to spread the message of altruism and community service.





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➔ ఆదర్శంగా ఏబీఆర్ కళాశాల విద్యార్థులు
➔ మేమున్నామంటూ ముందుకు

రక్తదానం ప్రాణదానంతో సమానం. దుతున్నారు. అత్యవసర సమస్యల్లో అత్యవసరంగా రక్తం అవసరం కావాలన్నా క్షణగాత్రులకు శస్త్ర చికిత్సలకు అవసరమైన రక్తం మూడేళ్లుగా కళాశాలలో వివిధ కార్యక్రమాల ద్వారా రక్తం అందించే అంజనీరింగ్ విద్యార్థులు. యాల్టి వగలు రాత్రి అనే తేడా లేకుండా రక్తం ఇచ్చేందుకు నిబద్ధులు. అంతేకాదు ఇతరుల ద్వారా రక్తం అందించేందుకు తమ వంతు సహాయం చేయాలని కోరుతున్న విద్యార్థులు ఏబీఆర్ అంజనీరింగ్ కళాశాల ఒక కమిటీగా ఏర్పడి ఎందరికో రక్తదానం చేసి వారి ప్రాణాలను కాపాడారు. -న్యూస్టుడే, కనిగిరి

శివరంధ్ర రక్తం దానం చేస్తున్న విద్యార్థులు

ప్రజల్లో చైతన్యం తేవాలి

-చక్రపాణి

నా గ్రూపు చి పాజిటివ్ నాలుగేళ్లుగా రక్తదానం చేస్తున్నాను. ఎవరైనా పోస్ చేస్తే సుందించి ఉచితంగా రక్తదానం చేసి వస్తున్నాను. ప్రస్తుతం రక్తదానంపై ప్రజల్లో సరైన అవగాహన లేదు. దీంతో రక్తదానం చేయడానికి ముందుకు రావడం లేదు. ఈవిషయంపై ప్రభుత్వం గ్రామాల్లో విస్తృతంగా ప్రచారం చేయాలి.

యువత ముందుకు రావాలి

-ప్రతాప్ రెడ్డి

రక్తదానం చేసేందుకు ప్రతి యువకుడు, విద్యార్థి ముందుకు రావాలి. ఇలాపనే ఎంతో మంది ప్రాణాలను కాపాడిన వారమౌతారు. అందుకే విద్యార్థులు ఒక కమిటీగా ఏర్పడి ఎవరికీ అవసరమైనా వారికి రక్తదానం చేస్తున్నాం. నేను ఇప్పటికీ ఆరుసార్లు రక్తదానం చేశాను. ఎవరినైనా రక్తం అవసరమైతే వెంటనే మా కార్యకర్తలను సంప్రదించాలి.

కంటం రహదారిలో గత ఏడాది జరిగిన రోడ్డు ప్రమాదంలో తీవ్రంగా గాయపడి రక్తమోతమవుతున్న ముగ్గురికి విద్యార్థులు రక్తం అందించి వారి ప్రాణం కాపాడారు.	ఫోన్ చేస్తే చాలు			
గత ఏడాది జనవరి 20వ తేదీన దిన ఇద్దరూ పక్క ద్వినక్రవాహనంపై వెళుతూ మాత్రాద్రి, సర సింహాలు ఎవరుగా	9666079509 9533554921 9803969036 8500084442 9440719220 9866551416	అత్యవసర పరిస్థితుల్లో రక్తం అందజేసేవారు ఈ నెంబర్లకు సంప్రదించాలని విద్యార్థులు పేర్కొన్నారు.	వస్తున్న వాహనాన్ని డీకొని తీవ్రంగా గాయపడటంతో విద్యార్థులు ప్రతాప, చక్రపాణిలు రక్తం అందించి ప్రాణాలు కాపాడారు.	ఈ ఏడాది మార్చి 30వ వెంకటమ్మ అనే మహిళా రక్తహీనతతో బాధపడుతుండగా అనిరుద్ రక్తదానం చేసి ఆమెకు ప్రాణం పోశాడు.

ఏబీఆర్ కాలేజీలో రక్తదాన దినోత్సవం

కనిగిరి: స్థానిక ఏబీఆర్ ఇంజనీరింగ్ కళాశాలలో శుక్రవారం పరల్డ్ బ్లడ్ డొనేషన్ డేను ఘనంగా జరుపుకున్నారు. ఈ సందర్భంగా ఏబీఆర్ ఇంజనీరింగ్ కళాశాల చైర్మన్ ఆవుల బసిరెడ్డి మాట్లాడుతూ రక్తదానం దాని ప్రాముఖ్యం, అవసరాన్ని వివరించారు. ఈ సందర్భంగా ప్రభుత్వ ఆసుపత్రి లోని 75 మంది రోగులకు పండ్లు, రొట్టెలు పంపిణీ చేశారు. కనిగిరి, కాశిరెడ్డినగర్లో నివసిస్తున్న లారీ డ్రైవర్ ఏసీబి, మరియుమ్మ కుమారుడు 7వ తరగతి చదువుతున్న సామ్యూల్ను ఏబీఆర్ దత్తతు తీసుకుని పూర్తి ఖర్చు భరించి చదివించనున్నట్లు ప్రకటించారు.

రోగులకు పండ్లు పంపిణీ చేస్తున్న ఏబీఆర్



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Swachh Bharath:

ABR College stands as a beacon of educational excellence, not only for its academic prowess but also for its commitment to environmental sustainability through its clean and green initiatives and awareness programmes. The college has taken significant strides in cultivating a culture of environmental consciousness among its students and the wider community, with a strong emphasis on public awareness.

ABR College has taken significant initiatives to promote Swachh Bharat and instill a sense of civic responsibility among its students. Through various awareness programmes and events, the college has been successful in educating the student community about the importance of cleanliness and hygiene in both personal and public spaces.

The Swachh Bharat Abhiyan, launched by the Indian government, aims to make India clean and free from open defecation. ABR College has taken this initiative seriously and has organized numerous events to create awareness among the students about the objectives and significance of the Swachh Bharat campaign. These events have played a crucial role in fostering a sense of responsibility towards maintaining cleanliness and sanitation in the college premises as well as in the surrounding areas.

The college has conducted many awareness programmes focusing on the key issues related to Swachh Bharat such as waste management, recycling, and personal hygiene. These programmes have been designed to engage and educate students about the role they can play in contributing to a cleaner and healthier environment. Through interactive workshops, seminars, and cleanup drives, students have been actively involved in spreading awareness and implementing sustainable practices to promote cleanliness.

One of the key strategies adopted by ABR College is to encourage students to participate in community service projects that promote cleanliness. By organizing events such as cleanliness drives, tree plantation campaigns, and awareness rallies, the college has been successful in mobilizing students to take action and make a positive impact on their surroundings. These activities have not only enhanced the students' understanding of environmental issues but have also instilled a sense of pride and ownership in keeping their campus and community clean.



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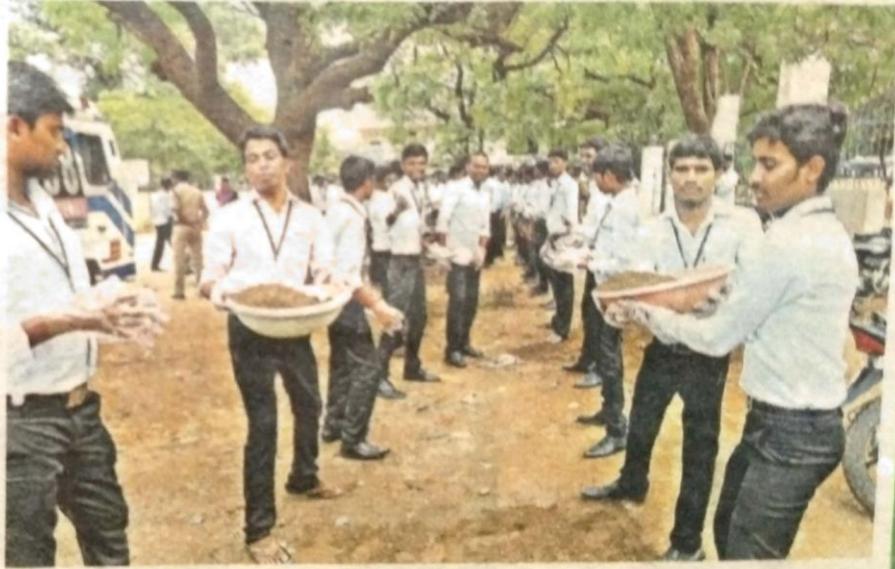


యువ మంత్రం..

స్వచ్ఛ పథం

స్వచ్ఛ భారత్
కార్యక్రమంలో యువత
నడుం బిగించింది.
'తనూడు' పిలుపు మేరకు
కనిగిరి ఏటీఆర్ ఇంజనీరింగ్
కళాశాల ఆధ్వర్యంలో
బీటెక్ విద్యార్థులు
నగర పంచాయతీలో
పారిశుధ్య కార్యక్రమాలు
చేపట్టారు.

- వివరాలు 8లో





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మురుగు కాలువలో పూడిక తొలగిస్తూ.. చెత్త తీస్తూ...

Rally Conducted by SAFE (Step Ahead for Equality)



Digitally Signed By: VENKATA
NARASIMHARAO LAGUMARAPU
Location: Principal, ABR CET,
Kanigiri
Signing Date: 13.05.2024 22:53



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Recharge Pits



Students are digging Recharge Pits



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Students' participation in construction of Recharge pits for water conservation



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Bunds



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Students are making bunds for water retention during Monsoon Season



Students' participation in bund making



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Water Infiltration:





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More Infiltration galleries are installed around the campus to capture water and percolates water rapidly. By utilizing these infiltration pits, the college allows rainwater to seep into the ground, replenishing groundwater levels and reducing runoff. This, in turn, helps in conserving water resources and maintaining a sustainable water balance. The collected rainwater is stored in the water storage tank for future use, ensuring that ABR College maximizes water efficiency and minimizes wastage.





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BY

3BLBusinessSolutionsLLP

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Green Audit - An Effective Efforts towards Environment Sustainability & Energy Conservation

The guidelines set by the National Assessment and Accreditation Council (NAAC) on "Institutional Values and Social Responsibilities" require campuses to implement environmentally friendly practices, educate about change and environmental issues, and demonstrate sensitivity towards these matters. In essence, institutions need to embrace sustainability, raise awareness, and display a commitment to addressing environmental challenges.

Definition

Green audit is a comprehensive process that involves the methodical identification, quantification, documentation, reporting, and analysis of various elements pertaining to environmental diversity.

In light of the pressing environmental challenges such as pollution and the depletion of natural resources, Prime Minister Narendra Modi has launched the Swachh Bharat Abhiyan with the aim of promoting cleanliness across India. Additionally, the University Grants Commission has made it compulsory for all higher educational institutions to adhere to the "Green Campus, Clean Campus" initiative. As environmental sustainability emerges as a critical national priority, the significance of higher education institutions in promoting environmental sustainability has become more pronounced.

A Green Audit stands as a highly effective ecological tool aimed at addressing pressing environmental concerns. It involves the systematic identification, measurement, documentation, reporting, and monitoring of key environmental factors in a specified area. This process entails the continuous monitoring of environmental practices within and in the vicinity of designated sites that have both direct and indirect impacts on the surrounding environment. By conducting a Green Audit, institutions have the opportunity to assess and account for their energy consumption, water usage, waste generation including wastewater, solid waste, and hazardous waste. The Green Audit process serves as a crucial initiative to enhance environmental consciousness and instil awareness regarding sustainable resource management practices. It serves to foster a deeper understanding and respect for ecological



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values and ethical considerations. Through the Green Audit, institutions gain valuable insights on how to enhance environmental conditions and pave the way for sustainable progress.

Why Green Audit

Green auditing involves the meticulous examination and evaluation of an organization's operations to determine whether they are environmentally friendly and sustainable. Historically, we have demonstrated commendable proficiency in consuming natural resources judiciously and efficiently. Nonetheless, we have developed a habit of excessive resource usage, particularly in communal areas, including the overconsumption of energy, water, and chemicals. As such, it becomes imperative to assess whether our processes consume more resources than necessary and whether we dispose of waste properly. Green auditing serves to regulate such practices and foster efficient natural resource utilization. In light of climate change and resource depletion, it is of utmost importance to scrutinize existing practices and transform them into green and sustainable ones, which is precisely what green auditing helps achieve. It further promotes overall awareness and mindfulness among institution associates toward environmental precautions.

The objectives of the green audit conducted by the college are as follows:

- ❖ Evaluate the effectiveness of various waste management practices implemented within the facilities.
- ❖ Foster a greater sense of environmental consciousness and understanding across the campus.
- ❖ Identify and document the eco-friendly initiatives and practices implemented by the university.
- ❖ Identify the strengths and weaknesses of current green practices.
- ❖ Conduct a comprehensive survey to assess the implementation and effectiveness of green practices.
- ❖ Analyze the survey results and propose suitable solutions for the identified issues.
- ❖ Identify and evaluate potential environmental risks.



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- ❖ The ultimate goal of the environmental audit program is to gather fundamental data on environmental parameters and address any environmental concerns.
- ❖ Encourage and motivate staff members to optimize the sustainable utilization of available resources.

"A Pre-Audit Meeting: Strengthening the Path to a Successful Green Audit"

A pre-audit meeting is a pivotal step in preparing for a green audit, allowing for a comprehensive understanding of the scope and objectives of the upcoming audit. Such meetings serve as a crucial platform to discuss the green initiatives currently in place and the environmental scenario of the College campus. The significance of this initial meeting lies in its ability to set the tone for the audit process and ensure that all stakeholders are aligned with the goals and expectations. This exchange of information provides valuable insights for the audit team, enabling them to familiarize themselves with the sustainability efforts of the College and any challenges or areas of improvement identified in past audits. Moreover, the pre-audit meeting serves as a platform to collect essential documents and data that will guide the audit team in their assessment. By sharing the audit protocol and plan in advance, stakeholders can review the framework and prepare accordingly, fostering a more efficient and focused audit process.

The success of the pre-audit meeting is also underscored by the selection of the audit team, a critical decision that involves collaboration between college staff and management. By involving relevant stakeholders in this process, the audit team can be tailored to address specific aspects of the audit, ensuring a comprehensive and thorough evaluation of the College's sustainability practices.

The College's management's commitment to green auditing is a pivotal step towards sustainable practices and environmental stewardship within the institution. The pre-audit meeting represented a crucial juncture where the management demonstrated a willingness to prioritize green initiatives and support environmentally conscious endeavors.

During the pre-audit meeting, it was evident that the College's management recognized the importance of adopting green auditing practices. Their readiness to encourage all green activities showcased a proactive approach towards integrating sustainability into the College's operations. By committing to promote environmentally friendly activities post-audit, such as



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awareness programs on the environment, campus farming, and planting more trees on the campus, the management signaled a genuine dedication to fostering a greener campus environment.

The decision to focus on activities like awareness programs and campus farming underscores the College's holistic approach towards sustainability. By engaging in educational initiatives and practical projects like campus farming, the institution can raise awareness about environmental issues while actively contributing to eco-friendly practices. Furthermore, the emphasis on planting more trees on the campus reflects a long-term commitment to enhancing the campus's green infrastructure and promoting biodiversity.

A clean and healthy environment plays a pivotal role in aiding effective learning and providing a conducive learning atmosphere. In recognition of this fundamental relationship between environmental quality and educational excellence, efforts are being made worldwide to address environmental education issues. Among the various strategies employed to manage environmental problems, the Green Audit stands out as one of the most efficient and ecological approaches. It embodies a professional care ethos that places responsibility on every individual within the nexus of economic, financial, social, and environmental factors.

The necessity of conducting a Green Audit on a College campus becomes apparent when considering the transformative impact it can have on students. By becoming acquainted with the concept of the Green Audit, its benefits in terms of environmental sustainability, and the role it plays in fostering social responsibility, students are empowered to become active and conscientious citizens of our country. Therefore, the implementation of Green Audit initiatives at the College level is not just desirable but imperative.

Nestled within the heart of a bustling city, ABR College stands as a sanctuary of tranquility, enveloped by lush greenery and a diverse array of trees. As one steps onto the campus grounds, the immediate sensation is that of stepping into a world where time seems to slow down, and the air is filled with the refreshing scent of foliage. The presence of nature in abundance at ABR College creates a pleasant atmosphere that is conducive to learning, relaxation, and contemplation.

The college's landscape is adorned with a rich tapestry of different types of trees, each contributing to the overall aesthetic appeal and ecological diversity of the campus. The vibrant hues of trees add a splash of colour to the campus during autumn, creating a



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picturesque backdrop for students and visitors alike. Walking along the meandering pathways that wind through the verdant campus, one encounters a multitude of tree species, each with its own unique characteristics. The variety of trees at ABR College creates a dynamic and ever-changing landscape that evolves with the seasons, providing a constant source of wonder and beauty.

The presence of such abundant greenery and diverse trees at ABR College fosters a sense of connection with nature and imparts a feeling of serenity to all who walk its hallowed grounds. Students find solace in the embrace of towering trees, seeking refuge from the demands of academic life amidst the soothing rustle of leaves and the chorus of birdsong. The college campus becomes a living, breathing entity, pulsating with the vibrant energy of the natural world.

ABR College, an institution committed to excellence in education, is taking meaningful steps towards creating a green and vibrant campus. By emphasizing the importance of greenery, the college aims to enhance the overall atmosphere, promote biodiversity, and create a pleasant environment for its students, faculty, and visitors. This essay delves into the efforts made by ABR College to incorporate more trees, attract a diverse range of birds, and cultivate a tranquil and inviting ambiance. ABR College recognizes that greenery plays a pivotal role in creating a nurturing and inspiring educational environment. By embracing nature, the college acknowledges the benefits it brings, including improved air quality, reduced stress levels, and enhanced overall well-being. The College has undertaken a commendable initiative of planting numerous trees across its campus. This endeavor not only beautifies the surroundings but also provides shade, reduces the heat island effect, and promotes a more sustainable ecosystem. The college aims to increase the number of trees each year, ensuring a greener future for generations to come.

Scope of the Audit

The audit scrutinizes the data and the actions with respect to broad parameters and metrics used to measure and monitor environmental performance of

- a) Energy conservation
- b) Renewable Energy



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- c) Waterconservation
- d) WasteManagementandRecycling
- e) Carbonsequestration
- f) Trainingandskilldevelopment
- g) Recommendation&Suggestions
- h) Conclusion

ABR COLLEGE OF ENGINEERING AND TECHNOLOGY

ABR College of Engineering and Technology, located in the rural village of Chinna Irlapadu, Kanigiri Andhra Pradesh, was founded by Sri A. BASI REDDY through the ABR Educational Society in 2008 with the vision of establishing a leading institute in the private sector for technical education. The society, established in 2007, comprises forward-thinking administrators dedicated to providing the highest quality technical education to students. The college offers a range of B. TECH courses including Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Artificial Intelligence & Data Science, Mechanical Engineering, Electrical & Electronics Engineering, Mining Engineering, Agricultural Engineering, and MBA, attracting around 700 to 750 students annually. With spacious instructional facilities and continuously updated laboratories equipped with cutting-edge technology, the college boasts a faculty of over 100 highly qualified and devoted members. Approximately 65% of students secure job placements through campus recruitment drives with renowned core companies. The institution hosts a state-of-the-art Digital Library stocked with technical reference materials, magazines, and national and international journals to meet the educational needs of students and faculty. Sports facilities and a dispensary are available on campus for the well-being of students and staff. ABR College of Engineering and Technology places a strong emphasis on technical skill development and instilling a sense of social responsibility in its students, aligning with the college's core vision and mission. Committed to continuous improvement in energy efficiency across all operations, the institution remains dedicated to delivering top-notch technical and management education.



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We, at ABR CET, our mission centers on delivering top-tier technical and management education, underscored by an unwavering dedication to perpetually enhancing energy efficiency throughout all facets of our operations.

To accomplish this, we shall, in precise,

- Implement an Energy Management System effectively.
- Adhere to relevant legal and regulatory obligations concerning energy consumption.
- Enhance resource management efficiency by embracing the principles of Reduce, Reuse, and Recycle to minimize waste.
- Embrace cutting-edge technologies and industry best practices.
- Procure energy-efficient products and services.
- Engage and educate staff and students through comprehensive training and awareness programs.
- Ensure the availability of information and necessary resources to achieve energy objectives and goals.
- Regularly assess the efficacy of the Energy Management System through systematic audits and management reviews.

The following are the list of trees present in the campus.

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1. Plant Name and Scientific Names:

S.No.	PLANT NAME	SCIENTIFIC NAME
1	Neem tree	Azadirachta indica.
2	Coconut tree	Cocos nucifera
3	Custard apple	Annona squamosa
4	Teak tree	Tecton grandis
5	Jasmine	Jasminum spp
6	Lemon tree	Citrus limon
7	Curry tree	Murrayakoenigii
8	Jujube tree	Ziziphus mauritiana
9	Coriander plants	Coriandrum sativom
10	Orange tree	Citrus sincnsis
11	Mango tree	Mangifera indica
12	Drumstick	Moringa oleifera
13	Goa tree	Goa tree
14	Mul berry	Morus
15	Yathi tree	Banyan tree
16	Paper leafe [white],[pink]	Ficus elastica
17	Silky willow	Salix sericea
18	Mirchi farm	Capsicum annum
19	Marry gold	Tagetes erecta
20	Bamboo	Bambusa vulgaris
21	Indian gooseberry	Phyllanthus emblica
22	Eucalyptus tree	Eucalyptus globulus
23	Yellow flower tree	Tecona stans
24	Trumpet tree [yellow]	Tabebuia chrysotricha
25	Cigar tree	
26	Northen catalpa	Catalpa speciosa warder ex engelm
27	Quickstick	Gliricidiasepium
28	Fire bush	Hamelia patens
29	Norfolk island pine	Araucaria heterophylla
30	Henna	Lawsoniainermis
31	Bay laurel	Lauras nobilis
32	Western red cedar	Thuja plicata
33	Vegetable humming bird	Sesbania grandiflora
34	Ficus lispida	
35	Chinese ixora	Arngan
36	Weeping fig	Salix babynonica
37	Myrsing cubane	
38	Pin wheel flower	Tabernaemontala divaricate
39	eqpharbia	Spurge family



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2. Number of Plants are Campus in:

S.No.	Name of the Plant	No. of Plants
1	Neem Tree	46
2	Coconut Tree	10
3	Custard Apple	15
4	Teak Tree	55
5	Jasmine	10
6	Lemon Tree	5
7	Curry Tree	5
8	Jujube Tree	20
9	Coriander Plants	2
10	Orange Tree	0
11	Mango Tree	0
12	Drumstick	10
13	Goa Tree	15
14	Mul Berry	0
15	Yathi Tree	0
16	Paper Leafe [White],[Pink]	10
17	Silky Willow	50
18	Mirchi Farm	0
19	Marry Gold	5
20	Bamboo	20
21	Indian Gooseberry	05
22	Eucalyptus Tree	06
23	Yellow Flower Tree	10
24	Trumpet Tree [Yellow]	5
25	Cigar Tree	2
26	Northern Catalpa	05
27	Quick stick	06
28	Fire Bush	10
29	Norfolk Island Pine	12
30	Henna	5
31	Bay Laurel	40
33	Vegetable Humming Bird	02
34	Ficus Lispida	0
35	Chinese Ixora	10
36	Weeping Fig	2
37	Myrsing Cuban	0
38	Pin Wheel Flower	5
39	Euphorbia	2



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3. O₂, CO₂ levels of the trees:

S.No	Plant Names	Scientific Names	O ₂ Levels per Year	CO ₂ Levels per Year
1	Neem Tree	Azadirachta Indica.	6 to 8 kg / day	20 to 30 Kg
2	Coconut Tree	Cocos Nucifera	115/day	20 to 30 Kg
3	Custard Apple	Annona Squamosa	5 - 7 Kg	15 to 25 Kg
4	Teak Tree	Tecton Grandis	6 to 9 Kg	20 to 30 Kg
5	Jasmine	Jasminum Spp	5 to 10 grms per hour	0.5 to 1 Kg
6	Lemon Tree	Citrus Limon	5 to 6 Kg	20 to 30 Kg
7	Curry Tree	Murrayakoenigii	5 - 6 Kg	20 to 30 Kg
8	Jujube Tree	Ziziphus Mauritiana	5 to 6 Kg	20 to 30 Kg
9	Coriander Plants	Coriandrum Sativom	0.01 –0.05 Kg	0.1 to 0.3 Kg
10	Orange Tree	Citrus Sincensis	5 - 6 Kg	20 to 30 Kg
11	Mango Tree	Mangifera Indica	6 - 9 Kg	20 to 30 Kg
12	Drumstick	Moringa Oleifera	6 - 9 Kg	20 to 30 Kg
14	Mul Berry	Morus	6 - 8 Kg	20 to 30 Kg
15	Yathi Tree	Banyan Tree	8 to 9 Kg	300 to 400 Kg
16	Paper Leafe [White],[Pink]	Ficus Elastica	0.2 – 0.3 Kg	0.5 to 1 Kg
17	Silky Willow	Salix Sericea	5 - 10 Kg	20 to 30 Kg



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18	Bamboo	Bambusa Vulgaris	3 - 6 Kg	10 to 20 Kg
19	Indian Gooseberry	Phyllanthus Emblica	6 - 9 Kg	20 to 30 Kg
20	Eucalyptus Tree	Eucalyptus Globulus	5 - 10 Kg	20-30 Kg
21	Yellow Flower Tree	Tecona Stans	3 - 6 Kg	10-15 Kg
22	Trumpet Tree [Yellow]	Tabebuia Chrysotricha	5 - 10 Kg	20-30 Kg
23	Cigar Tree		4 - 8 Kg	15-25 Kg
24	Northern Catalpa	Catalpa Speciosa Warder Ex Engelm	4 - 8 Kg	15-25 Kg
25	Quickstick	Gliricidiasepium	3 - 6 Kg	10-20 Kg
26	Fire Bush	Hamelia Patens	2 - 4 Kg	5-10 Kg
27	Norfolk Island Pine	Araucaria Heterophylla	3 - 6 Kg	10-15 Kg
28	Henna	Lawsoniainermis	2 - 4 Kg	5-10 Kg
29	Bay Laurel	Lauras Nobilis	3 - 6 Kg	10-15 Kg
30	Western Red Cedar	Thuja Plicata	5 - 10 Kg	20-30 Kg
31	Vegetable Huming Bird	Sesbania Grandiflora	3 - 6 Kg	10-15 Kg
32	Ficus Lispida		3 - 6 Kg	10-15 Kg
33	Chinese Ixora	Arngan	2 - 4 Kg	5-10 Kg
34	Weeping Fig	Salix Babynonica	3 - 6 Kg	10-20 Kg
35	Myrsing Cubane		2 - 4 Kg	5-10 Kg



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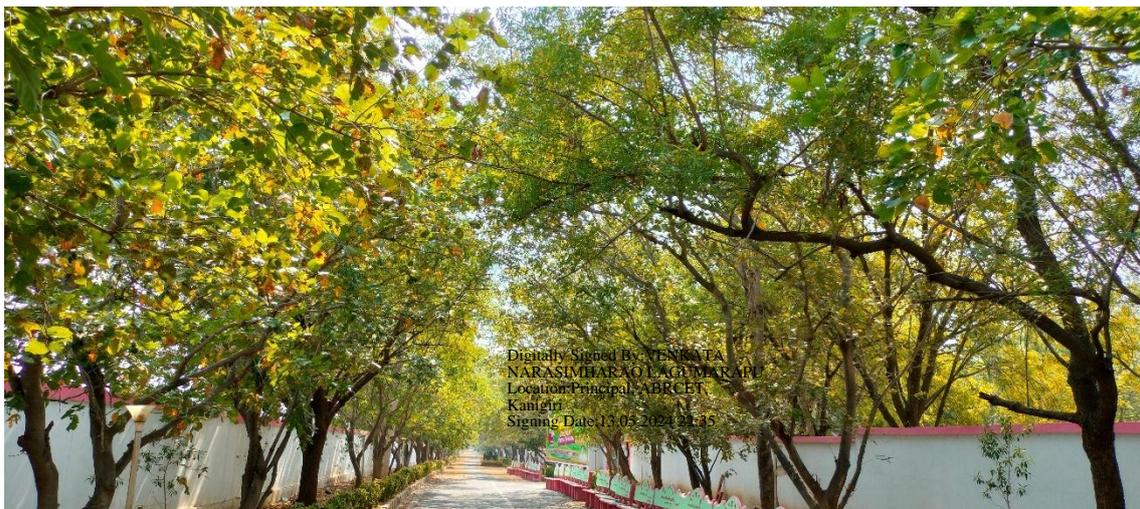
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36	Pin Wheel Flower	Tabernaemontala Divaricate	2 - 4 Kg	5-10 Kg
37	Eqpharbia	Spurge Family	2 - 4 Kg	5-10 Kg

Pictures showcasing the lush green campus of ABR College of Engineering and Technology.





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Front view of 1st Block

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Aerial view of Block-1

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Greenery photos of ABR CET

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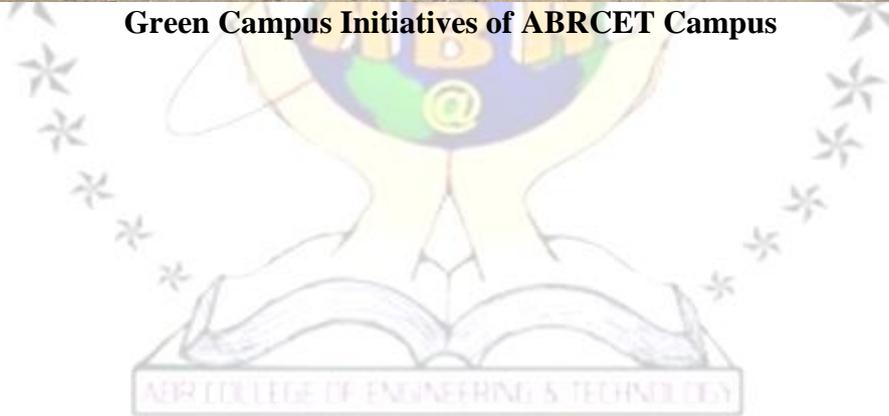
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Green Campus Initiatives of ABR CET Campus





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ఉద్యమంలా వనం మనం



పచ్చిలో మానవహారం నిర్వహిస్తున్న విద్యార్థులు

మనం మనం వనం మనం

పచ్చిలో మానవహారం నిర్వహిస్తున్న విద్యార్థులు మనం మనం వనం మనం వనం

విద్యుతంగా మొక్కలు నాటివ అభివృద్ధులు

కాకినాడలో విద్యార్థులు వనం మనం వనం



పామరూ సీం కార్యాలయంలో ప్రతిష్టా పాఠాన్ని ఎమ్మెల్యే కలం

వనం మనం వనం



కనిగిరిలో మొక్కలు నాటుతున్న విద్యార్థులు



సీమనూరులో మొక్కలు నాటుతున్న కన్వర్జన్ విద్యార్థులు



పామరూ సీం కార్యాలయంలో మొక్కలతో రాబోయే నిర్వహిస్తున్న అభివృద్ధులు

A Paper clip about VANAM- MANAM Program conducted by ABR College AB R College actively conducts numerous green campus initiatives, including annual tree plantation drives aimed at promoting environmental stability. Each year, a significant number of students enthusiastically participate in these activities. The college fully supports all efforts towards creating a sustainable environment. The campus features a diverse array of plants and trees, contributing to a vibrant and eco-friendly atmosphere.





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Plantation drive program conducted by ABR CET -NSS Team





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15



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Plantation drives are conducting in every year in ABR CET for promoting Environmental sustainability

CARBON FOOTPRINTS

Carbon is an essential element that forms the basis of life on Earth. It plays a crucial role in various natural processes, from photosynthesis in plants to the formation of fossil fuels like coal and oil. However, the excessive release of carbon dioxide (CO₂) into the

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atmosphere, primarily from human activities, has led to alarming levels of global warming and climate change. As the impacts of climate change become increasingly evident, there is a growing urgency to address the issue of carbon footprints and reduce greenhouse gas emissions.

The Implication of Carbon Footprints

Global warming, driven by the accumulation of greenhouse gases in the atmosphere, poses a significant threat to the environment and human well-being. Carbon footprint, a measure of the total greenhouse gas emissions caused by individual activities, organizations, events, or products, provides valuable insights into the extent of one's contribution to climate change. By calculating carbon footprints, we can identify areas where emissions can be reduced and take steps towards a more sustainable future.

Carbon Footprints at ABR College

As an institutional organization, ABR College utilizes various energy resources, including electricity and solar systems. It is essential for the College to calculate its carbon footprint to evaluate its environmental impact and implement strategies for reducing emissions. By collecting data from different sources and using standard emission factors, the College can assess its carbon footprint and work towards enhancing its Clean Development Mechanism (CDM) practices.

The Urgency of Climate Action

In the 21st century, the world faces unprecedented challenges related to global warming, climate change, food security, poverty, and population growth. The continued rise in atmospheric CO₂ levels, coupled with the disproportionate amount of carbon emissions compared to absorption, emphasizes the pressing need for comprehensive research and initiatives to mitigate climate change. We must prioritize efforts to reduce carbon footprints, promote sustainable practices, and transition towards a low-carbon economy to safeguard the planet for future generations.

Conclusion

The increasing awareness of carbon footprints and their implications for climate change underscores the critical role that individuals, organizations, and institutions like ABR College play in addressing environmental sustainability. By understanding and reducing our carbon footprints, we can contribute to mitigating the impacts of global warming and



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fostering a more resilient and environmentally conscious society. It is imperative that we prioritize climate action, advocate for sustainable practices, and commit to reducing emissions to secure a healthier and more sustainable future for all living beings on Earth.

ABR College is committed to creating a very pleasant atmosphere on its campus, aiming to establish a harmonious coexistence between nature and the college community. One way they achieve this is by encouraging the presence of birds and their nests. By providing suitable habitats for birds, ABR College contributes to the overall ecological balance and enhances the college's eco-friendly initiatives. To foster a bird-friendly environment, the college has taken steps to plant more trees and create green spaces throughout the campus. Trees offer not only shade and aesthetic beauty but also serve as natural habitats and food sources for birds. The presence of trees and greenery promotes biodiversity, creating a tranquil and inviting ambiance for students and staff.

College values sustainability and understands the positive impact of green spaces on the overall well-being of its community. They prioritize the preservation and protection of trees, ensuring proper care and maintenance. By planting and nurturing more trees, the college actively contributes to creating a greener and more eco-friendly atmosphere.

The Institute appreciates the role that birds play in the ecosystem and acknowledges their contribution to a healthy and vibrant environment. By embracing the presence of birds and their nests, the college fosters a deeper connection with nature and encourages students and staff to appreciate and respect the natural world.

Birds' Nests:



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ABR College has continued to spearhead more green initiatives aimed at further reducing its environmental footprint. These initiatives include installing energy-efficient lighting and appliances, promoting alternative transportation options such as biking and carpooling, and incorporating more plant-based options in campus dining facilities.

The success of ABR College's green transformation serves as a powerful example of how educational institutions can make a positive impact on the environment and inspire others to do the same. By conducting a green audit, implementing sustainable practices, and sharing success stories, ABR College has demonstrated that even small changes can lead to significant outcomes when it comes to promoting environmental responsibility. As ABR College continues to innovate and expand its green initiatives, it will undoubtedly inspire other institutions to follow suit and work towards a more sustainable future for all.



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Water Audit

Water is a fundamental natural resource, essential for sustaining life and supporting various activities. However, the availability of water is not infinite and is facing challenges due to the increasing population of nations worldwide. As the population grows, the per capita availability of utilized water is on the decline, leading to concerns about water scarcity. Moreover, factors such as the rising standard of living, industrialization, and urbanization contribute to a surge in freshwater demand, putting further pressure on water resources.

One of the significant issues exacerbating the problem of water scarcity is the unabated discharge of industrial effluents into water bodies. This continuous pollution compromises the quality of available water sources, making them unfit for various uses. Recognizing the critical importance of addressing the issue of water scarcity, the Honourable Prime Minister Narendra Modi declared a national mission on water conservation known as 'Jal Shakti Abhiyan.' The mission aims to rally all citizens to collectively work towards conserving every drop of water and implementing water-saving measures.

One of the key strategies proposed to address water scarcity is the conduct of water audits across all sectors of water use. A water audit involves a qualitative and quantitative analysis of water consumption to identify opportunities for reducing, reusing, and recycling water. By scrutinizing the water usage patterns and identifying inefficiencies in water distribution systems, a water audit serves as an effective tool for minimizing losses and optimizing water use in sectors such as irrigation, domestic, power, and industrial.

The importance of water audits cannot be overstated. They provide a systematic process for evaluating water consumption, which may reveal surprising results and highlight areas for improvement. By pinpointing specific problems in water usage, organizations and communities can work towards implementing tailored solutions to enhance water conservation efforts. Additionally, water audits can help in introducing mechanisms to attract and incentivize efficient water management practices.

Various factors influence the water requirements of different communities, including climate, culture, food habits, work conditions, and levels of development. For instance, according to WHO standards, schools necessitate a certain amount of water per student for drinking



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purposes and sanitation facilities. It is essential to understand the specific water needs of different sectors and communities to ensure efficient water management and conservation practices.

Sustainable Water Practices

In the face of growing concerns over water scarcity and environmental sustainability, ABR College has emerged as a beacon of exemplary water conservation practices. Through a series of innovative initiatives and decentralized management strategies, the College has not only significantly reduced its water footprint but has also achieved self-reliance in meeting its water needs. This transformative journey towards sustainable water management serves as a model for educational institutions and communities worldwide.

Water conservation

The conservation of water on the campus has been implemented through a dual strategy.

- Focus on reducing water consumption by employing water-efficient fixtures.
- A gravity-based rainwater harvesting (RWH) system has been put in place to maximize water recharge.
- The campus primarily relies on fresh groundwater extracted from bore wells as its water resource.

GREEN INITIATIVES

College is taking important steps to protect and conserve its precious biodiversity and the environment through green initiatives. Here are some examples of initiatives that the College has taken:

1. Conservation and preservation of green cover: The College recognizes the importance of maintaining and preserving the natural vegetation cover on its campus, which is crucial to sustaining its biodiversity. The College has taken steps to protect it from damage and degradation due to human footfall and development activities.

2. Waste management: The College has implemented a comprehensive waste management system, including the installation of waste segregation bins, composting pits, and an efficient drainage system. The waste management system ensures that solid waste is segregated at the source, and organic waste is turned into compost. This helps reduce the amount of waste generated on campus and promotes a culture of sustainability.



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3. Rainwater harvesting: To address water scarcity issues and ensure the availability of clean water for the campus, the College has implemented a rainwater harvesting system. The system collects and stores rainwater rather than allowing it to run off.

At the heart of ABR College's success in water conservation lies a holistic approach that integrates technology, community engagement, and institutional commitment. The College has implemented a range of measures to optimize water use across its campus, from the installation of water-efficient fixtures in bathrooms and laboratories to the implementation of rainwater harvesting systems in gardens and outdoor spaces. By addressing water loss during filling and discharge in key facilities such as toilets, urinals, and wash basins, the College has been able to drastically reduce its overall water consumption.

ABR College has actively engaged with students, faculty, and staff to promote water conservation awareness and behaviour change. Through educational campaigns, workshops, and outreach initiatives, the College has instilled a culture of responsible water use and stewardship among its campus community. By fostering a sense of shared responsibility and environmental consciousness, ABR College has not only achieved tangible results in water conservation but has also cultivated a long-term commitment to sustainability among its stakeholders.

The college features four specialized Reverse Osmosis Plants that are utilized for producing potable water. Approximately 2 kiloliters of water per day is treated through the RO system to supply all floors within the block. The team responsibly repurposes the reject water from the RO process for landscaping, effectively reducing freshwater consumption. This approach offers a twofold advantage by minimizing pumping costs and decreasing reliance on fresh water sources.



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RO Water Plant

The campus is equipped with state-of-the-art bubble taps and water-efficient fixtures in washrooms and canteen areas to optimize water consumption.

Rain Water Harvesting Units

Rainwater harvesting has been practiced since ancient times and is a cost-effective way to utilize rainwater for domestic or agricultural purposes. In areas facing water scarcity, this method proves to be especially beneficial. During the monsoon season, a significant amount of rainwater goes to waste as it flows into gutters. By implementing rainwater harvesting systems, we can capture this water and prevent it from being wasted.

ABR College is dedicated to promoting water conservation practices through various initiatives, including regular water audits and active engagement in activities for water storage and management. The college encourages student participation in these endeavours to



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create a culture of responsible water usage and conservation. Students play a pivotal role in these efforts, contributing to a more sustainable environment within the college premises and beyond. The college facilitates student participation in activities such as rainwater harvesting, recharge pits, maintaining water storage tanks, constructing bunds, and organizing awareness campaigns on efficient water usage. These efforts contribute to creating a culture of responsible water conservation on campus, fostering a sustainable environment for future generations.





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Gravity Flow

1. Recharge Pits



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Students are digging Recharge pits in ABR CET



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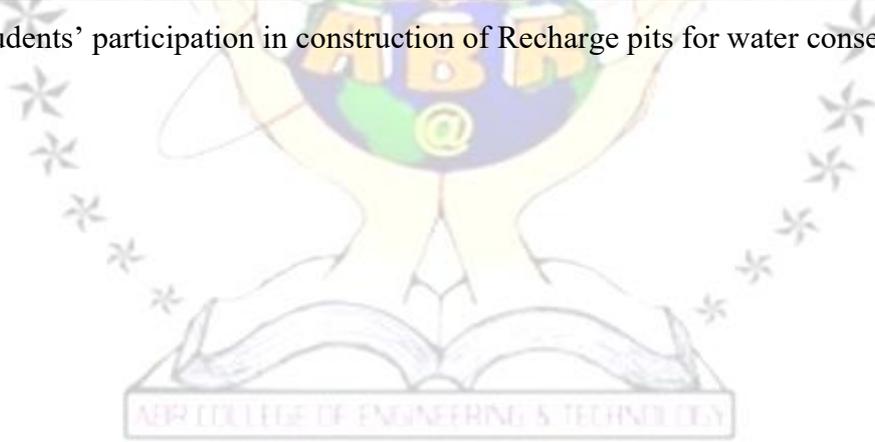
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Students' participation in construction of Recharge pits for water conservation



Bunds

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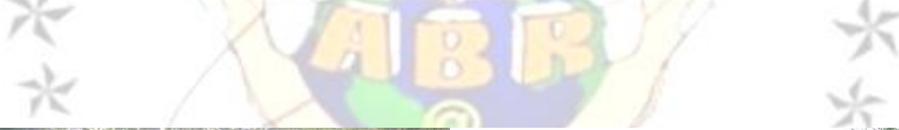
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Students are making bunds for water retention during Monsoon Season



Students' participation in bund making

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Water Infiltration galleries in ABR CET



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More Infiltration galleries are installed around the campus to capture water and percolates water rapidly. By utilizing these infiltration pits, the college allows rainwater to seep into the ground, replenishing groundwater levels and reducing runoff. This, in turn, helps in

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conserving water resources and maintaining a sustainable water balance. The collected rainwater is stored in the water storage tank for future use, ensuring that ABR College maximizes water efficiency and minimizes wastage.

Water storage tank:

The Institute is dedicated to implementing effective water conservation practices on its campus. As part of their efforts, the college has installed a large water storage tank to collect rainwater during the rainy season. This innovative approach allows them to harness and utilize rainwater, reducing their dependency on traditional water sources. By actively promoting the collection and storage of rainwater, ABR College is taking a proactive step towards sustainable water management and preserving this valuable resource for future use.





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Energy Audit:

Energy is undeniably one of the major inputs for the economic development of any country. The proper management of energy resources is crucial in ensuring sustainable growth while minimizing the environmental impact. Energy management, as a strategic approach, aims to optimize energy utilization to reduce costs and enhance efficiency. An essential tool in these endeavours is the energy audit, which provides a systematic evaluation of energy consumption and identifies areas for improvement. This essay focuses on the importance of energy management and the outcomes of an energy audit conducted at ABR College, Kanigiri in Andhra Pradesh.

Introduction:

The Energy Audit conducted at ABR CET aimed to analyse the campus's current energy consumption patterns, identify areas for energy optimization, and propose energy conservation measures along with cost-benefit analysis. The scope of work and methodology adhered to the proposed guidelines, ensuring accurate data collection and analysis to reflect the facility's typical energy consumption. The audit focused on enhancing energy management and system efficiency, emphasizing a comprehensive understanding of equipment performance. Balancing energy inputs with usage and evaluating costs enabled the selection of optimal solutions based on financial considerations.

Energy Audit Methodology:

1. Historical Data Analysis: This phase involved establishing energy consumption trends based on historical data and correlating them with production variations.
2. Actual Measurement and Data Analysis: Site measurements and field trials using portable instruments enabled an evaluation of equipment efficiency and system losses.
3. Identification and Assessment of Energy Conservation Opportunities: By evaluating potential energy-saving opportunities, the audit determined the investment required for implementing modifications, considering the associated benefits and payback periods.

The energy resources utilized by ABR College include electricity from APSPDCL, solar energy, and diesel generators. To achieve the objectives of the energy audit, the primary

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goals were to analysed the data on energy consumption patterns, identify wastage, and implement feasible solutions. The secondary objectives included gaining experience in energy management, developing technical and management skills, and fostering collaboration with stakeholders within and outside the College.

The indirect benefits of the energy audit at ABR College were manifold. It reinvigorated the focus on energy conservation among stakeholders, facilitated knowledge sharing between energy auditors and staff, and enabled the timely detection of operational inefficiencies such as loose connections or cable heating. Moreover, the audit highlighted the importance of unbiased external assessments in identifying additional opportunities for energy savings and improving overall energy efficiency. The outcomes of the energy audit underscore the critical role of energy management in achieving economic sustainability and environmental responsibility. By optimizing energy use and reducing wastage, ABR College can not only reduce operational costs but also enhance its environmental stewardship. The proposed energy-saving measures exemplify practical steps that institutions can take to improve energy efficiency and achieve tangible cost savings in the long run.

Energy Conservation & Renewable Energy:

The institution has placed a strong emphasis on optimizing energy utilization and adopting sustainable energy practices, including the integration of renewable energy sources into our energy portfolio. The college currently operates with a dedicated **160KVA** transformer and maintains a contracted demand of **80 KVA** with the state electricity board. While our energy consumption typically remains within acceptable parameters, occasional spikes occur during months with increased laboratory activity, necessitating heightened attention to managing energy demands effectively. A skilled energy management team is in place to oversee campus energy requirements, with the implementation of a Manual Power Factor Control (MPFC) system to regulate power factor and avoid penalties. In a proactive move towards energy conservation, the institution has transitioned to energy-efficient LED lighting systems through a sustained five-year program of replacing conventional lighting fixtures. Continuing our commitment to energy efficiency, our institution has established a dedicated energy policy outlining strategic guidelines and principles.

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Energy Efficiency Road Map

A proactive stance towards minimizing energy consumption, and a preference for procuring high-rated energy-efficient equipment. Additionally, regular internal energy audits are conducted to identify areas for improvement, with a focus on supplementing fossil fuel energy usage with renewable alternatives. As part of our forward-looking energy strategy, the institution is embarking on a solar Lights installation project featuring a **50KW** grid-integrated system. Leveraging rooftop space for renewable energy generation underscores our commitment to reducing reliance on traditional energy sources. Pending final review and approval, the project execution is slated for prompt completion to further enhance our campus's sustainability efforts.

Energy audit and proposals for last 5 years

The conservation of energy stands as the paramount concern of the administration, leading to the implementation of a myriad of initiatives geared towards optimizing the judicious use of energy resources. The institutional ethos surrounding energy efficiency is encapsulated in the following strategic framework:

Measure

The department of electrical engineering conducted an internal energy audit to accurately determine the energy consumption across campus buildings. This initiative was guided by the principle that effective control follows accurate measurement. The measurement process serves as the initial phase in evaluating the energy audit, with a dedicated and diligent team consistently monitoring energy usage and analyzing consumption trends.

Monitor and Control

The team engages in proactive monitoring of energy consumption patterns and formulates strategies to curtail and mitigate energy wastage. Robust checks and balances have been devised to regulate inefficient energy usage. Advancing an energy-efficient stance, the team has implemented a standardized temperature setting of 24°C for air conditioning systems, exemplifying a conscientious approach towards energy conservation.

Adopt New Technologies

The institution's relentless pursuit of cutting-edge technologies to minimize energy consumption has been institutionalized as a fundamental practice.

This commitment extends beyond mere equipment replacement to a proactive stance

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in prioritizing the acquisition of highly energy-efficient assets for all procurement endeavors.

This directive underscores the institution's unwavering dedication to energy conservation. An internal energy audit was conducted at the college, resulting in substantial energy savings.

This practice of energy auditing was initiated in 2021 and has since become a staple at the institution.

The diligent team consistently undertakes energy audits, complemented by periodic evaluations from an external agency to validate measures taken and provide recommendations for enhancement mechanisms.

S.No	Name	Designation
1	Dr. L V Narasimha Rao	Secretary
2	K Meeravali	Member
3	T Jyothi	Member
4	P Venkateswarlu	Member
5	D Manohar	Member

Energy consumption profile:

Source of Energy: ABR CET uses energy in the following forms:

Electricity from APCPDCL: Receives electricity from APCPDCL, with RKVAH – reactive Kilo Watt Ampere Hour. CMD – 80kW.

High speed Diesel Generator: HSD is used as a fuel for diesel generator which is used in case of power shut down. ABR CET equipped with 125KVA Kirloskar Generator.

Some of the initiatives for conservation of energy include

- Substitution of traditional tube lighting systems with energy-efficient LED fixtures
- Exchange of CRT monitors with LCD displays
- Upgrading outdated air conditioning units to energy-efficient 3-star rated models

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Substitution of traditional tube lighting systems with energy-efficient LED fixtures



Replaced old ACs with energy efficient 3 star rated ACs

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The Generator is used for Only Emergency Conditions and Periodic Maintenance is carried out.

The Summary of The Energy Audit for the Last 5years is As Follows

S.No.	Name of the Project	Energy before implementation	Energy after implementation
1	The substitution of conventional air conditioning units with 3-star energy-efficient models	1.7KWH/ Air Conditioner	KWH/ Air Conditioner
2	Upgrade of outdated ceiling fans to more energy-efficient options.	75W/fan	43W/fan
4	The implementation of LED lighting to replace traditional streetlights	100W/fixture	15W/fixture
5	Transition from antiquated CRT monitors to modern LCD displays	80W/unit	20W/unit

The aforementioned initiatives have been executed as part of a proactive replacement

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policy, resulting in a steady influx of outdated equipment being exchanged for new, energy-efficient devices and equipment.

We, at ABR CET, our mission centers on delivering top-tier technical and management education, underscored by an unwavering dedication to perpetually enhancing energy efficiency throughout all facets of our operations.

To accomplish this, we shall, in precise,

- Implement an Energy Management System effectively.
- Adhere to relevant legal and regulatory obligations concerning energy consumption.
- Enhance resource management efficiency by embracing the principles of Reduce, Reuse, and Recycle to minimize waste.
- Embrace cutting-edge technologies and industry best practices.
- Procure energy-efficient products and services.
- Engage and educate staff and students through comprehensive training and awareness programs.
- 7. Ensure the availability of information and necessary resources to achieve energy objectives and goals.
- Regularly assess the efficacy of the Energy Management System through systematic audits and management reviews.

Lighting system

Light Emitting Diode (LED) Lamp: LED lamps are highly energy-efficient and long-lasting. They work by passing an electric current through a semiconductor material, which emits light. LED lamps are known for their energy savings, durability, and versatility in terms of colour and brightness options.

ABR College has made significant efforts to promote energy saving and sustainability on its campus. One of the primary strategies they employ is the use of LED lights. LED lights are known for their energy efficiency and long lifespan. By replacing traditional lighting fixtures with LED lights throughout the college campus, ABR College has not only reduced its energy consumption but also lowered maintenance costs. ABR College has also incorporated solar lights into its infrastructure. Solar lights harness the power of the sun to generate electricity,

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making them a renewable and environmentally-friendly lighting solution. These solar lights are particularly useful for outdoor areas, such as walkways and parking lots, where they provide illumination while minimizing energy consumption.

Despite these energy-saving measures, there are instances when ABR College may need to rely on diesel generators. These generators are usually used during emergencies or power outages to ensure that critical operations can continue without disruption. However, the college aims to minimize their reliance on diesel generators by continually exploring and adopting alternative energy sources and energy-saving technologies. ABR College's commitment to energy saving, evident through the use of LED lights, solar lights, and occasional diesel generators, showcases their dedication to environmental sustainability.

Power bill of ABRCET Campus

Section: KANIGIRI RURAL DistName:09-CHINNA IREL Useno:4111309000199
Name: ABR EDUCATIONAL SOCIETY LT2/1 Phase: 1 Group: M1 SdAvil:
158850 Conn.Load:55 Ctr.Load:55 ScType: NON-SLAB 303131431008 Trans
Id:303131431008 FeederCd:303131440704 DOS:20-05-08

Mon/Year	Old Meter Reading	Current Meter	Units	Demand
Mar-18	277098	281509	4411	51248
Apr-18	281509	287901	6392	72154
May-18	287901	294957	7056	78551
Jun-18	294957	301418	6737	72593
Jul-18	301418	305818	4600	51041
Aug-18	305818	310478	4888	53869
Sep-18	310478	317776	7564	81891
Oct-18	317776	324270	6697	72587
Nov-18	324270	330542	6272	70146
Dec-18	330542	336995	6453	72562
Jan-19	336995	342070	5075	57458
Feb-19	342070	344684	2614	34443
Mar-19	344684	348488	3804	45185
Apr-19	348488	353985	5497	61671
May-19	353985	360700	6715	74412
Jun-19	360700	365474	4774	54076
Jul-19	365474	369599	4125	49799

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Jul-19	369599	374425	4826	58387
Aug-19	374425	380150	5725	66589
Sep-19	380150	385816	5666	65943
Oct-19	385816	390950	5134	59695
Nov-19	390950	395268	4318	52276
Dec-19	395268	399145	3877	47660
Jan-20	399145	403707	4562	55511
Feb-20	403707	407397	3690	45952
Mar-20	407397	412230	4833	56928
Apr-20	412230	415352	3122	40755
May-20	415352	416483	1131	22308
Jun-20	416483	418007	1524	26617
Jul-20	418007	419837	1830	30709
Aug-20	419837	421956	2119	33377
Sep-20	421956	423462	1506	28230
Oct-20	423462	425262	1800	29465
Nov-20	425262	427631	2369	35446
Dec-20	427631	429302	1671	26798
Jan-21	429302	431093	1791	31201
Feb-21	431093	433007	1914	31005
Mar-21	433007	435744	2737	36171
Apr-21	435744	439514	3770	47428
May-21	439514	442896	3382	42204
Jun-21	442896	445247	2351	33498
Jul-21	445247	447105	1858	29433
Aug-21	447105	449494	2389	33486
Sep-21	449494	452917	3423	50113
Oct-21	452917	456140	3223	46468
Nov-21	456140	459425	3285	44002
Dec-21	459425	461959	2534	34608
Jan-22	461959	465617	3658	46650
Feb-22	465617	468524	2907	38526
Mar-22	468524	472231	3707	45970
Apr-22	472231	476443	4212	51674
May-22	476443	480733	4290	57384
Jun-22	480733	484842	4109	55788
Jul-22	484842	489280	4438	58959
Aug-22	489280	493058	3778	54735
Sep-22	493058	493058	0	55325
Oct-22	493058	500657	7599	90671
Nov-22	500657	501556	899	16237
Dec-22	501556	506051	4495	57197

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Jan-23	506051	510468	4417	55502
Feb-23	510468	512852	2384	32946
Mar-23	512852	515571	2719	36611
Apr-23	515571	518956	3385	43851
May-23	518956	522168	3212	50488
Jun-23	522168	524828	2660	45871
Jul-23	524828	527443	2615	42915
Aug-23	527443	530582	3139	50008
Sep-23	530582	532999	2417	43069
Oct-23	532999	536354	3355	52627
Nov-23	536354	540081	3727	57137
Dec-23	540081	544452	4371	63048
Jan-24	544452	548426	3974	59113
Feb-24	548426	551680	3254	50466

Academic Year: 2018 - 2019

Mon/Year	Old Meter Reading	Current Meter Reading	Units	Demand
Jun-18	294957	301418	6737	72593
Jul-18	301418	305818	4600	51041
Aug-18	305818	310478	4888	53869
Sep-18	310478	317776	7564	81891
Oct-18	317776	324270	6697	72587
Nov-18	324270	330542	6272	70146
Dec-18	330542	336995	6453	72562
Jan-19	336995	342070	5075	57458
Feb-19	342070	344684	2614	34443
Mar-19	344684	348488	3804	45185
Apr-19	348488	353985	5497	61671
May-19	353985	360700	6715	74412

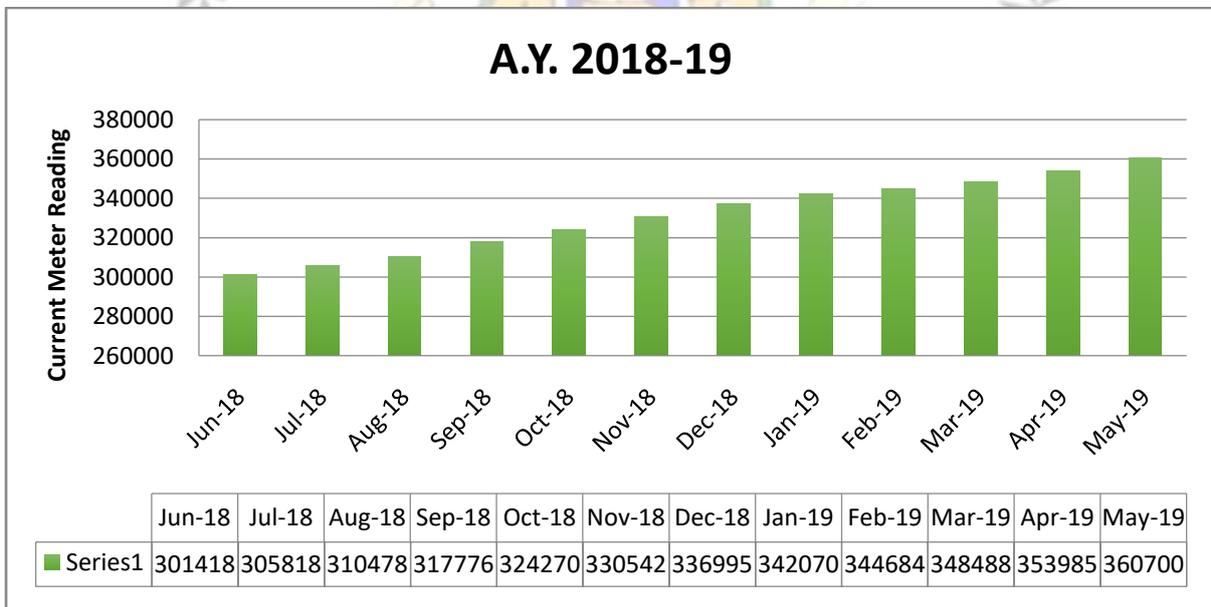
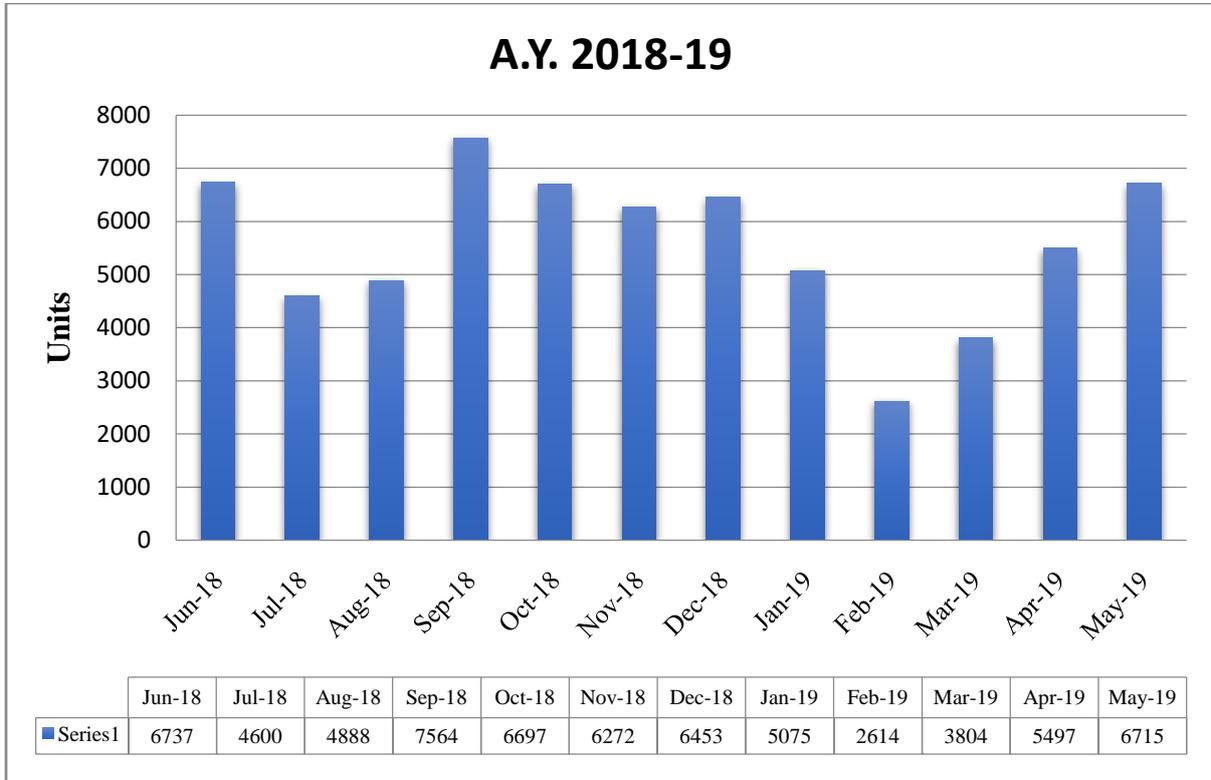
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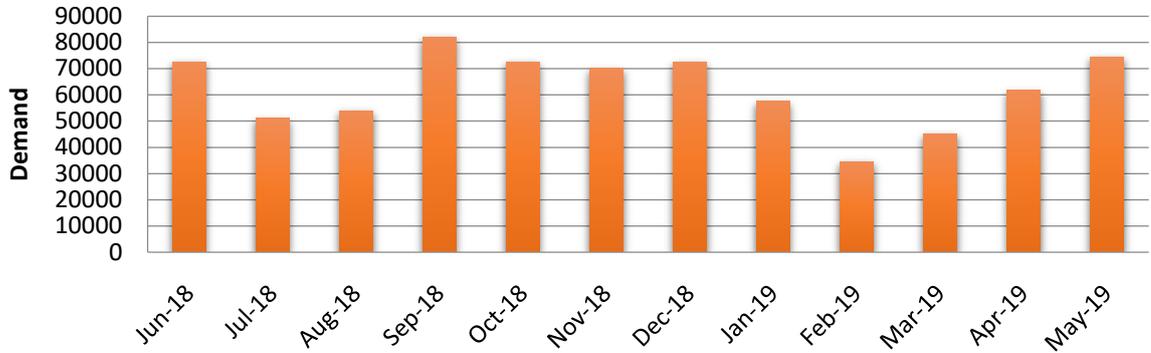


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A.Y. 2018-19



	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19
Series1	72593	51041	53869	81891	72587	70146	72562	57458	34443	45185	61671	74412

Academic Year: 2019 – 2020

Mon/Year	Old Meter Reading	Current Meter Reading	Units	Demand
Jun-19	360700	365474	4774	54076
Jul-19	365474	369599	4125	49799
Jul-19	369599	374425	4826	58387
Aug-19	374425	380150	5725	66589
Sep-19	380150	385816	5666	65943
Oct-19	385816	390950	5134	59695
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Jan-20	399145	403707	4562	55511
Feb-20	403707	407397	3690	45952
Mar-20	407397	412230	4833	56928

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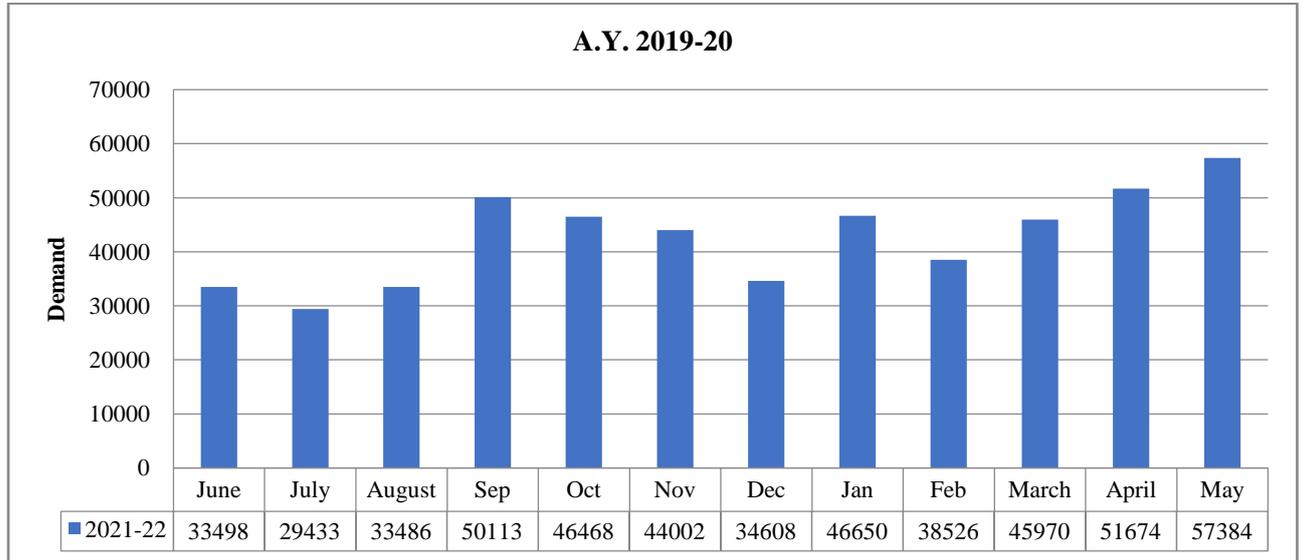
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Apr-20	412230	415352	3122	40755
May-20	415352	416483	1131	22308



Academic Year: 2020 - 2021

Mon/Year	Old Meter Reading	Current Meter Reading	Units	Demand
Jun-20	416483	418007	1524	26617
Jul-20	418007	419837	1830	30709
Aug-20	419837	421956	2119	33377
Sep-20	421956	423462	1506	28230
Oct-20	423462	425262	1800	29465
Nov-20	425262	427631	2369	35446
Dec-20	427631	429302	1671	26798
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Mar-21	433007	435744	2737	36171
Apr-21	435744	439514	3770	47428
May-21	439514	442896	3382	42204

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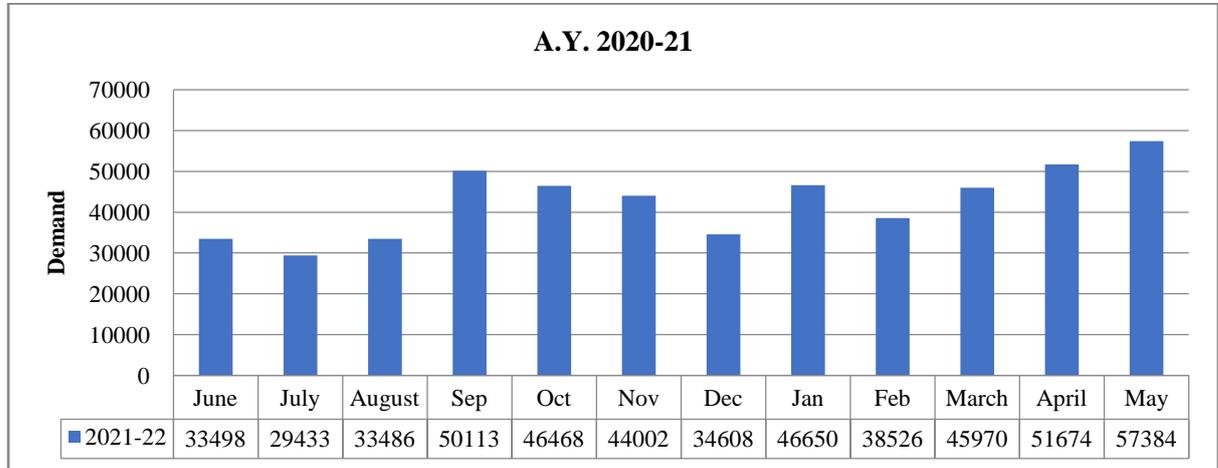
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Academic Year: 2021 - 2022

Mon/Year	Old Meter Reading	Current Meter Reading	Units	Demand
Jun-21	442896	445247	2351	33498
Jul-21	445247	447105	1858	29433
Aug-21	447105	449494	2389	33486
Sep-21	449494	452917	3423	50113
Oct-21	452917	456140	3223	46468
Nov-21	456140	459425	3285	44002
Dec-21	459425	461959	2534	34608
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Mar-22	468524	472231	3707	45970
Apr-22	472231	476443	4212	51674
May-22	476443	480733	4290	57384

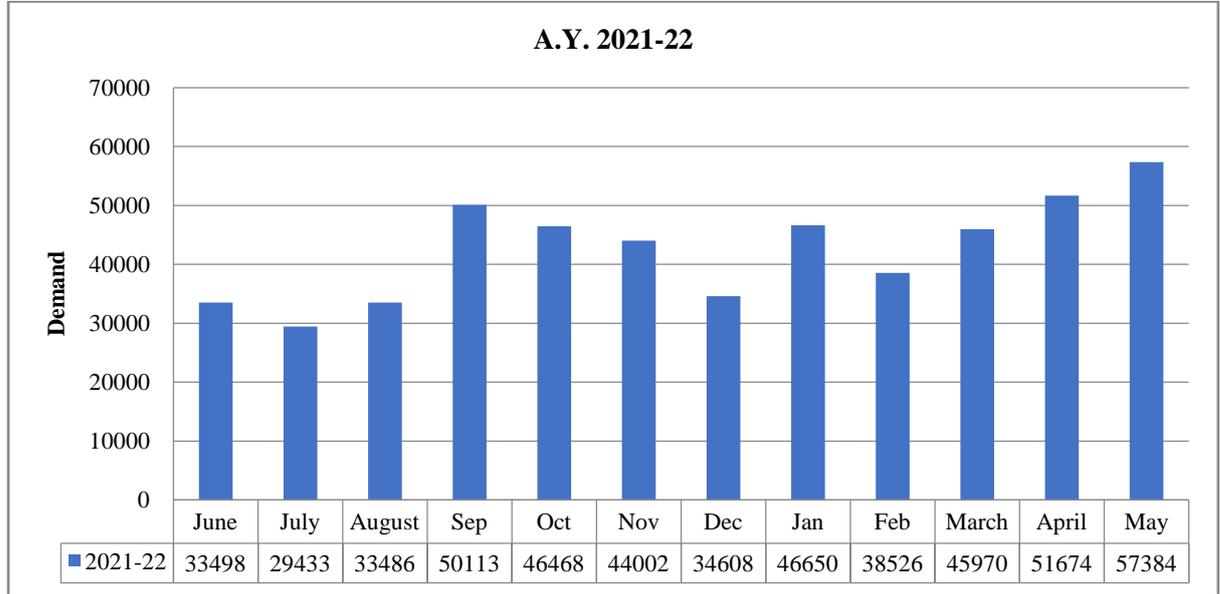
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Academic Year: 2022 - 2023

Mon/Year	Old Meter Reading	Current Meter Reading	Units	Demand
Jun-22	480733	484842	4109	55788
Jul-22	484842	489280	4438	58959
Aug-22	489280	493058	3778	54735
Sep-22	493058	493058	0	55325
Oct-22	493058	500657	7599	90671
Nov-22	500657	501556	899	16237
Dec-22	501556	506051	4495	57197
Jan-23	506051	510468	4417	55502
Feb-23	510468	512852	2384	32946
Mar-23	512852	515571	2719	36611
Apr-23	515571	518956	3385	43851
May-23	518956	522168	3212	50488

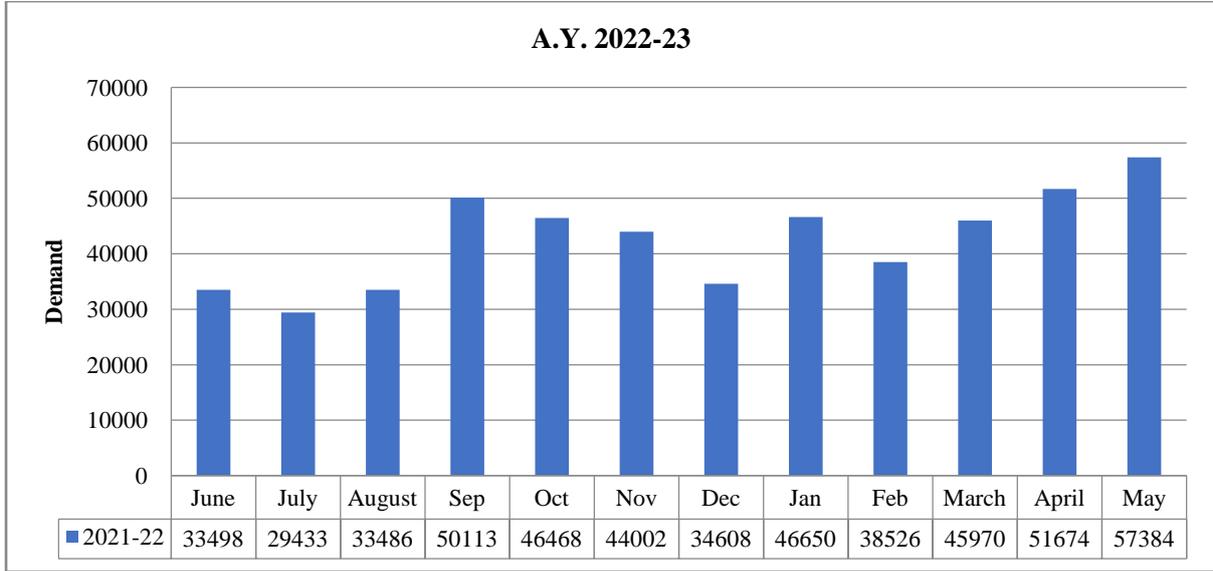
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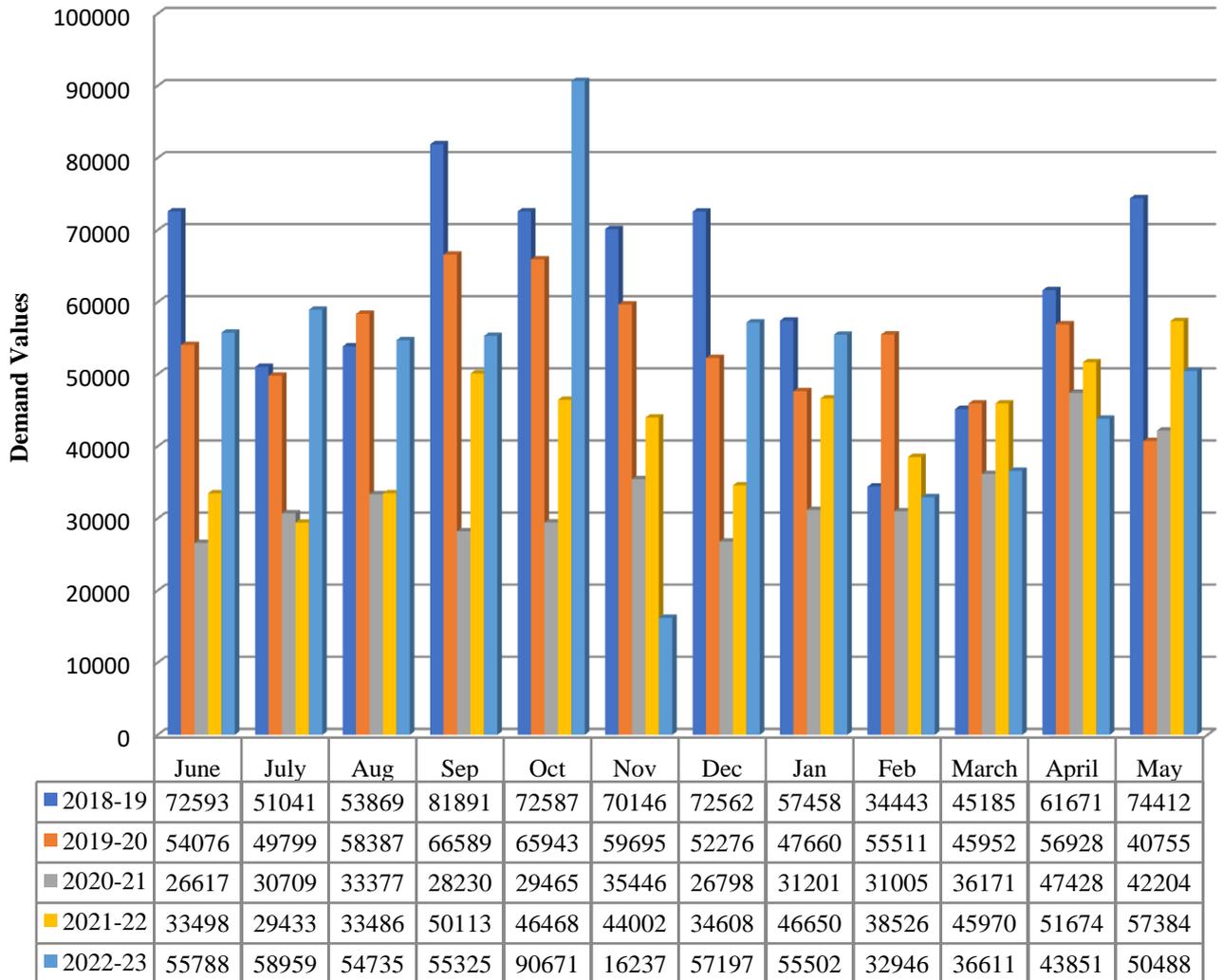


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5 Academic Years of Energy Demand in terms of Kwh



Generator

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Regular maintenance involves inspecting and servicing the generators, including changing oil and filters, checking fuel levels, and conducting performance tests. These proactive measures help ensure that the generators operate at their highest efficiency, reducing fuel consumption and emissions. ABR College continually explores alternative energy sources and implements energy-saving practices to minimize the need for diesel generators. This includes using energy-efficient appliances and lighting, optimizing HVAC systems, and investing in renewable energy technologies such as solar panels. By actively seeking sustainable solutions, ABR College aims to reduce their carbon footprint and contribute to a greener future.



ABR COLLEGE OF ENGINEERING & TECHNOLOGY

Generator

To raise awareness about energy-saving practices at ABR College, informative wall posters with messages like "Switch Off Lights and Fans When You Leave the Room" These posters can be placed in prominent locations around the campus to remind students and staff about the importance of conserving energy. By promoting simple actions like turning off lights and fans when not in use, the college community can contribute to a more sustainable and environmentally friendly campus.

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Executive Summary:

ABR College of Engineering and Technology stands as a distinguished institution in the realm of technical and management education in Kanigiri, offering educational services for over 14 years since its establishment by the ABR Educational Society in 2008. The

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campus boasts expansive instructional facilities and laboratories that are consistently upgraded with cutting-edge equipment. With a faculty of over 100 highly qualified and devoted members, the college ensures exceptional instructional facilities across all disciplines, coupled with a range of amenities. Showcasing a commitment to sustainable practices, the institution has placed a strong focus on enhancing energy efficiency as a core objective. To spearhead this initiative, the college management has established a specialized committee tasked with formulating an institutional policy geared towards reducing energy consumption, optimizing water usage, and enhancing overall resource efficiency. Embracing the latest sustainability practices, ABR College has prioritized energy-saving and eco-friendly initiatives within its premises. A thorough green audit conducted by the 3BL Business Solutions LLP team encompassed various environmental parameters such as waste management, indoor air quality assessments, landscaping practices, and greenery analyses. This comprehensive evaluation encompassed all facets of energy, water, and environmental management practices within the institution, culminating in a series of recommendations and opportunities for enhancement. Moving forward, ABR College of Engineering and Technology is poised to adopt a proactive, top-driven approach in seizing these opportunities, committing to ongoing efficiency improvement endeavors and sustainability measures across its facilities.

Acknowledgement

3BL Business Solutions LLP expresses its sincere gratitude to ABR College of Engineering and Technology for the invaluable opportunity and steadfast support extended during the Green/Environmental Audit.

We deeply appreciate the keen interest, enthusiasm, and unwavering dedication of the management towards advancing energy conservation initiatives within the campus premises. A special acknowledgment is extended to the esteemed ABRCET team led by Principal Dr. L V Narasimha Rao, Dr. DV Ramalinga Reddy, Mr. K. Meeravali, and Mr. M.V Lakshmaiah for their pivotal role and significant contribution throughout the audit process.

Our heartfelt thanks also go out to all personnel from diverse departments whose cooperation and assistance were instrumental in facilitating the successful completion of this audit.

Overview

ABR College of Engineering and Technology is a technical institution that offers undergraduate and post-graduate courses in multiple Engineering disciplines. The campus sates its electricity needs via grid electricity while keeping Diesel Generators as a backup option. The college uses various sources of water to maintain its daily requirements, including fresh water from the ground water. Rainwater harvesting pits with gravity design have been installed to collect rainwater.

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ISO 9001:2000 certified institution.

ABR Nagar, Kandukur Road, CHINA IRLAPADU (V), Kanigiri (M)

Prakasam Dt, (A.P), PIN 523254, Cell: 9866461623

Website: www.abrcet.edu.in E-mail: abrcet2008@gmail.com, hj.principal@jntuk.edu.in

The institution has established sustainability practices as part of its environmental pledge, striving endlessly to minimize its carbon footprint through enhanced resource management, such as reducing the consumption of energy, water, and waste remediation. ABR CET has made significant progress in this realm, achieving milestone after milestone, for which 3BL Business Solutions LLP commends the institution. Here are some of the essential measures and initiatives carried out:

1. The college relies on grid electricity to meet its electricity requirements.
2. Diesel Generators are available as a backup option for emergency purposes.
3. Various water resources are utilized for serving the campus's water needs, including fresh water from the municipality and ground water.
4. Rainwater harvesting pits with gravity design have been installed to collect rainwater for future usage.
5. The institution has implemented various sustainability practices to reduce overall resource consumption effectively.
6. The efforts towards improving resource management are extremely commendable, and the institution's contribution towards environmental conservation is highly appreciated.

Maximum utilization of natural light in classrooms

- High green landscape to building area ratio
- Implementation of gravity runoff design for optimal rainwater collection
- Responsible storage and disposal of E-waste
- Utilization of energy-efficient air conditioners and lighting systems

Despite having a history of successful in-house sustainability initiatives, ABR CET has demonstrated a strong commitment to environmental stewardship by actively seeking a comprehensive green/environmental audit. This underscores the institution's dedication to sustainability and openness to further improvements. Entrusted with this important task, 3BL Business Solutions LLP embarked on a detailed energy audit and green audit study within the facility. The team, comprised of the following individuals, diligently conducted the study.

- **Mr. Robin Isaac**
- **Mr. Harish Kumar**

In the early week of March 2021, a comprehensive audit was conducted at the facility, encompassing the following activities:

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Location: Principal, ABR CET,
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Signing Date: 13.05.2024 22:36



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Consultation with the green audit team to review implemented activities/projects

Site visits to observe and comprehend the initiatives in place

Analysis and Interpretation of Collected Data:

The contents of the report are based on the data provided by, ABR CET, Institutional personnel during the detailed green audit.

The Institution personnel should implement the suggestions made in the report after verifying safety aspects. It is the responsibility of the Institution personnel to observe statutory regulations, if any, as applicable norms, and guidelines.

Action Plan:

ABRCET College should set a target date for implementation of the projects identified in the facility. A cross functional team needs to be identified and entrusted with the task of implementation of the projects in a phased manner.

Environmental Initiatives in Campus:

Environmental management requires supplementary accountability on and above the core operations. The best organizations imbibe environmental practices as part of their business plan. The responsibility of environmental management and its practice is even greater for education institutions as they act as support for future environment thought leadership.

The college has carried various initiatives for conservation of environment. Some of the best practices include

- Annual energy audits, both internal and external.
- Rainwater harvesting for effective water management.
- Utilization of organic waste from landscaping for vermi-composting.
- Emphasis on natural lighting for reduced energy consumption.
- High window to wall ratio in classrooms to improve indoor air quality.
- Utilization of wastewater reject from RO plant for landscaping, reducing freshwater usage.
- Installation of energy-efficient equipment.

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- Proper management and disposal of E-Waste.

The activities and the best practices mentioned are covered in detail in the comprehensive green audit report.



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ABRCET/2018-19 /Admin/NSS/01

Date: - 04-07-2018

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Plantation Drive-Haritha Haram and is approved.

The title of the event is “**Plantation Drive-Haritha Haram**” and is scheduled on 09-07-2018 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.

Copy to:

1. All Department HODs
2. Coordinators
3. IQAC Cell
4. Accounts



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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Plantation Drive-Haritha Haram		
Organizing Department	:	NSS Unit		
Sponsored by	:	ABRCET		
Date(s) of the Event	:	09-07-2018	No. of Days	1
Time	:	10:30 AM to 12:30 PM		
Overview of the Event	:	The goal of the Telangana government's flagship initiative, Haritha Haram, is to increase the state's green cover. The term Haritha Haram translates to "green garland" in Telugu, Telangana's official language.		
Objectives of the Event	:	Nuclear arms and Global warming are the major two threats to the human existence," Noam Chomsky, a World-renowned, living public intellectual, stated in his book named Hegemony or Survival: America's quest for Global Dominance.		
Outcomes of the Event	:	Overall, the Haritha Haram programme has several benefits for the environment, economy, and human health, and has been successful in achieving its objectives of increasing the green cover and promoting environmental conservation		
Target Group	:	Students		
Contact Information of the Coordinator(s)	:	G NAGENDRAMMA E. SRINIVASULU		
 NSS Coordinator		 PRINCIPAL		

Enclosures:

1. Brochure / Flyer

2. Event Management

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ABRCET/2022--23/Admin/NSS/01

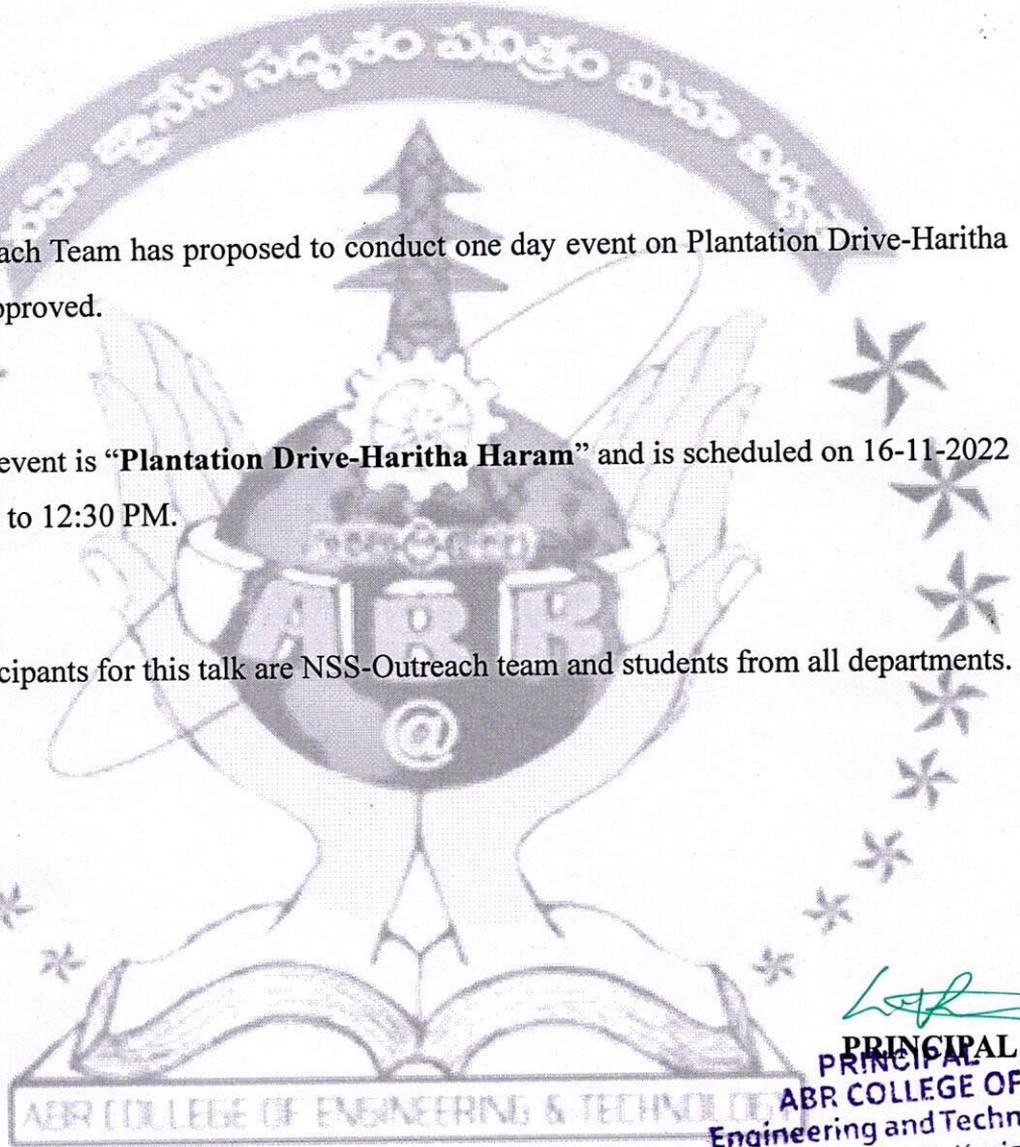
Date:14-11-2022

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Plantation Drive-Haritha Haram and is approved.

The title of the event is “**Plantation Drive-Haritha Haram**” and is scheduled on 16-11-2022 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.




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4. Accounts

PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Plantation Drive-Haritha Haram		
Organizing Department	:	NSS Unit		
Sponsored by	:	ABRCET		
Date(s) of the Event	:	16-11-2022	No. of Days	1
Time	:	10:30 AM to 12:30 PM		
Overview of the Event	:	Government agencies: By engaging in plantation activities in their respective regions of operation, government agencies including the municipal corporation, public works department, and forest department can take part in the initiative.		
Objectives of the Event	:	The initiative also seeks to educate the general people on the value of safeguarding and maintaining the environment.		
Outcomes of the Event	:	Best conclusion for Haritha haram will be the results it brings about. The lowering of climatic temperatures, reduction in pollution levels, increase in general public health, increase in wild resources, and enhancement of wildlife and biodiversity		
Target Group	:	Students & Staff		
Contact Information of the Coordinator(s)	:	M. GAYATHRI M. C RAMANAJANEYULU		
NSS Coordinator		PRINCIPAL		

Enclosures:

1. Brochure / Flyer

2. Event Management

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ABRCET/2021-22/Admin/NSS/01

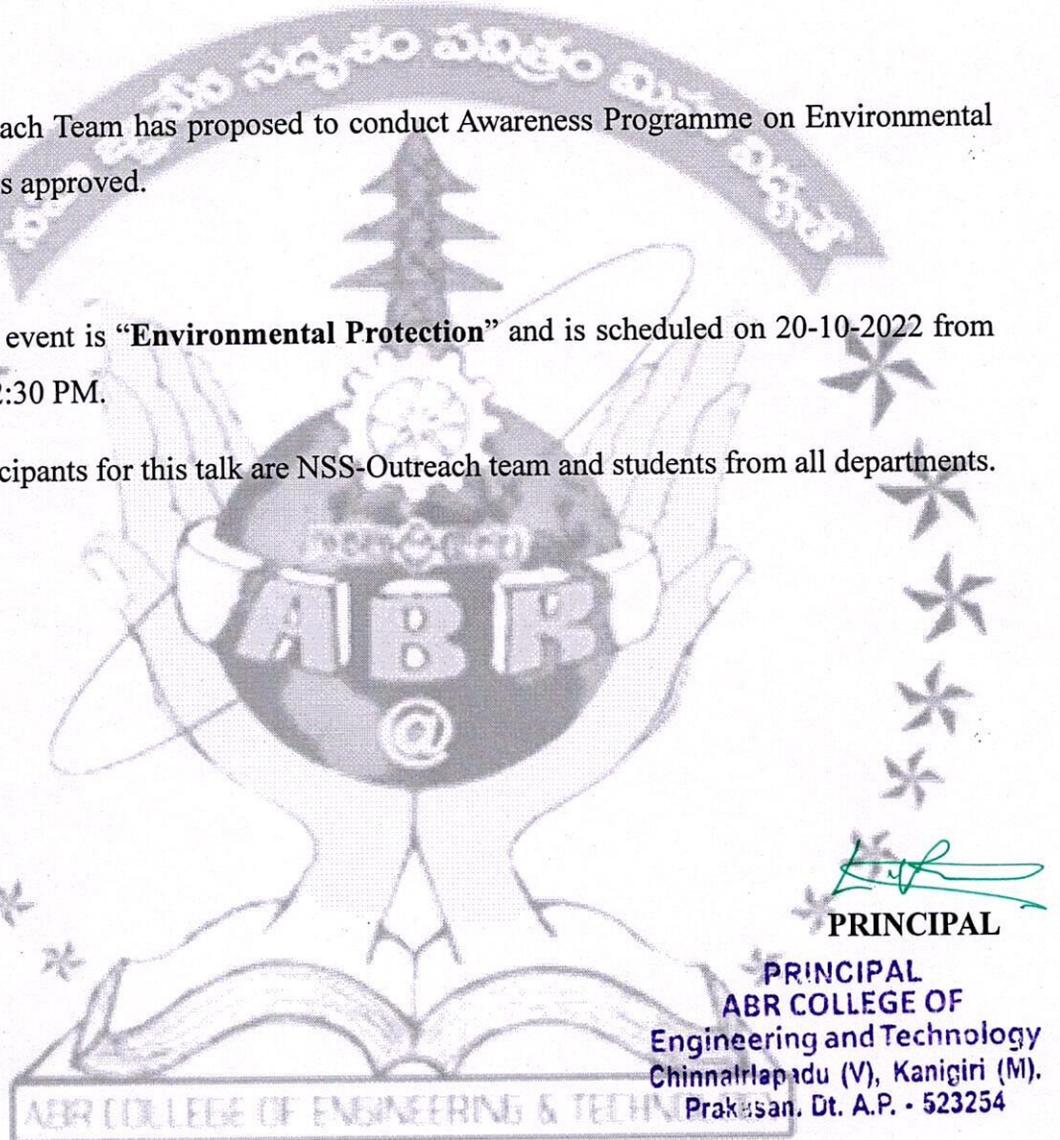
Date: - 17-10-2022

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct Awareness Programme on Environmental Protection and is approved.

The title of the event is “Environmental Protection” and is scheduled on 20-10-2022 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.



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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	:	Environmental Protection
Organizing Department	:	NSS Unit
Sponsored by	:	ABRCET
Date(s) of the Event	:	20-10-2022
Time	:	10:30 AM to 12:30 PM
Overview of the Event	:	Environment is thus defined as "the sum total of water, air and land, interrelationships that exist among them and with the human beings, other living organisms and property.
Objectives of the Event	:	<ol style="list-style-type: none">1. Understanding, and looking for possible solutions to common yet simple and easily observable socio-economic conditions and problems.2. To observe and examine some common characteristics of non-living things.3. Observing simple events in the earth and sky, drawing their causes and images.4. Exploring important aspects of your socio-civil environment, and understanding its various aspects.
Outcomes of the Event	:	<ol style="list-style-type: none">1. An Environmental Studies major will be able to critically examine all sides of environmental issues and apply understanding from disciplines such as history, economics, psychology, law, literature, politics, sociology, philosophy, and religion to create informed opinions about how to interact with the environment on both a personal and a social level.2. An Environmental Studies major will be able to recognize the physical, chemical, and biological components of the earth's systems and show how they function.3. An Environmental Studies major will be able to do independent research on human interactions with the environment.
Target Group	:	Students & Staff
Contact Information of the Coordinator(s)	:	T. SAIDA REDDY
 NSS Coordinator		 PRINCIPAL PRINCIPAL ABR COLLEGE OF Engineering and Technology Chinnairlapadu (V), Kanigiri (M). Prakasam Dt. A.P. - 523254

Enclosures:

1. Brochure / Flyer

2. Event Management



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ABRCET/2018-19 /Admin/NSS/01

Date:04-06-2018

OFFICE ORDER

The NSS-Outreach Team has proposed to conduct one day event on Haritha Haram and is approved.

The title of the event is “**Haritha Haram**” and is scheduled on 16-06-2018 from 10:30 AM to 12:30 PM.

The target participants for this talk are NSS-Outreach team and students from all departments.


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PROPOSAL TO ORGANIZE

NSS ACTIVITY

Title of the Event	: Haritha Haram
Organizing Department	: NSS Unit
Sponsored by	: ABR CET
Date(s) of the Event	: 16-06-2018
Time	: 10:30 AM to 12:30 PM
Overview of the Event	: Forest blocks adjacent to major cities and towns are under development as urban parks, acting as urban "lung" spaces. The vegetation in urban open spaces acts as a sink for carbon dioxide. They reduce pollution and produce oxygen.
Objectives of the Event	: <ul style="list-style-type: none">❖ The main objective of the Haritha Haram programme is to increase the green cover of the state from the existing 24% to 33% by planting and nurturing millions of saplings every year.❖ The programme also aims to create awareness among the public about the importance of preserving and protecting the environment.
Outcomes of the Event	: Overall, the Haritha Haram programme has several benefits for the environment, economy, and human health, and has been successful in achieving its objectives of increasing the green cover and promoting environmental conservation in Kanigiri.
Target Group	: Students
Contact Information of the Coordinator(s)	: S. RAMU S. PRAVEENA
 NSS Coordinator	 PRINCIPAL ABR COLLEGE OF Engineering and Technology Shinnairlapadu (V), Kanigiri (M), Prakasam Dt: A.P. : 523254

Enclosures:

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Figure: ABR College Students Participating Vanam Manam Programme





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Figure: Our College Conducting Vana Mahotsav



Figure: ABR College Students Participating Plantation Programme

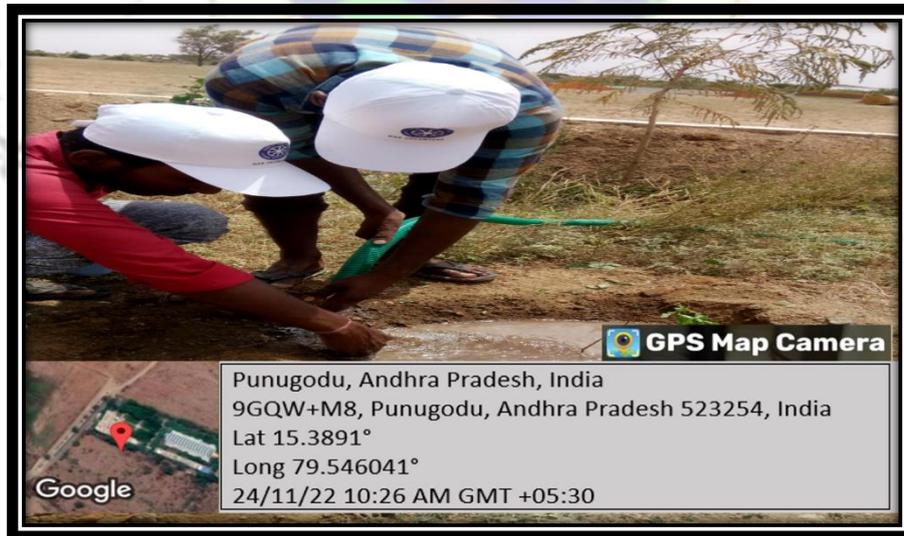


Figure: Our College Students participating Haritha Haram



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Figure: Conducting Awareness Programme on Environmental Protection

