

7.1.5 Green campus initiatives include

Describe the Green campus initiative of the institution including Restricted entry of automobiles, Use of Bicycles/ Battery powered vehicles , Pedestrian Friendly pathways , Ban on use of Plastic, landscaping with trees and plants etc in 500 words

Upload the specific document as per description given below

- Policy document on the green campus/plastic free campus.
- Geo-tagged photographs/videos of the facilities.
- Circulars and report of activities for the implementation of the initiatives document

Apart from the above:

Provide Links for any other relevant document to support the claim (if any)

7.1.5 Green campus initiatives include

Restricted Entry of Automobiles	Use of Bicycles/ Battery powered vehicles	Pedestrian Friendly Pathways	Ban on use of Plastic	Landscaping with Trees and Plants
Yes	Yes	Yes	Yes	Yes

7.1.5.1. The institutional initiatives for greening the campus are as follows:

Point 1: Restricted Entry of Automobiles

Response:

As part of our commitment to sustainability and the overall well-being of our campus community, Parvathaneni Brahmayya Siddhartha College of Arts & Science proposes the implementation of a restricted entry policy for automobiles. This initiative aims to address traffic congestion, enhance safety, and promote environmentally friendly practices, aligning with the objectives set forth in the NAAC accreditation framework.

Rationale

- **Environmental Sustainability:** The increase in vehicle usage contributes to air pollution and a significant carbon footprint. By restricting automobile access, we aim to foster a greener campus environment.
- **Safety Concerns:** A high volume of vehicular traffic poses risks to students and staff. Reducing the number of vehicles on campus will create safer pathways for pedestrians.
- **Campus Atmosphere:** A less congested campus not only improves aesthetics but also enhances the overall academic experience for students and faculty.
- **Promotion of Alternative Transport:** Encouraging walking, cycling, and the use of public transport supports healthier lifestyle choices among our community members.

Objectives

- **Traffic Management:** To effectively reduce traffic congestion within campus boundaries, allowing for smoother movement and less disruption.
- **Enhance Campus Safety:** To create a safer environment for academic and recreational activities by minimizing vehicular presence.
- **Foster Sustainability:** To cultivate a culture of environmental awareness and responsibility within the college community.

- **Support Active Transportation:** To encourage the use of bicycles and walking, promoting a healthier lifestyle among students and staff.

Implementation Strategies

- **Controlled Access Points:** Establish designated entry points for vehicles, limiting access to essential personnel and services.
- **Parking Solutions:** Designate off-campus parking areas with shuttle services to facilitate easy access to the college.
- **Awareness Campaigns:** Implement campaigns to educate students and staff on the benefits of reduced automobile usage and promote available alternatives.
- **Feedback Mechanisms:** Set up channels for ongoing feedback from the college community to assess the effectiveness of the policy and make necessary adjustments.

Expected Benefits

- **Environmental Impact:** Reduction in vehicle emissions leading to improved air quality on campus.
- **Improved Safety:** A significant decrease in potential accidents, contributing to a safer educational environment.
- **Alignment with NAAC Standards:** Demonstrating our commitment to sustainable practices, which aligns with NAAC criteria for quality education and community engagement
- **Enhanced Campus Life:** A more pleasant and engaging campus atmosphere that encourage student participation and well-being.

Transportation Patterns

The transportation habits of our students and staff reflect a commitment to eco-friendly commuting:

Table: Mode of Transport

S.No	Mode	Students	Teaching staff	Non Teaching staff
1	Pedestrians	600	05	09
2	Bicycle	400	00	9
3	Auto/ public transport	1200	25	19
4	Two wheeler	903	90	30
5	Four wheeler	00	07	00

- **Public Transportation:** 41% of students and 19% of staff travel by bus, showcasing the effective public transport connections in Vijayawada.
- **Walking:** 21% of students and 7.4% of staff choose to commute on foot, promoting physical health and reducing emissions.
- **Bicycles:** 1.4% of students and 10% of non-teaching staff use bicycles, highlighting the college's support for active transportation.
- **Two-Wheelers:** 8% of students and 35% of staff commute by two-wheelers, which, while still contributing to emissions, is more efficient than cars.
- **Auto Rickshaws:** 8.1% of students and 18% of staff use auto rickshaws for commuting.
- **Cars:** Very few students (0.35%) and 7.45% of staff come by car, indicating a preference for more sustainable transport options.

Parvathaneni Brahmayya Siddhartha College of Arts & Science is committed to promoting sustainability and reducing its carbon footprint. As part of these efforts, the college has declared the first Monday of every month as "**No Engine Day.**" This initiative encourages the campus community to utilize alternative modes of transportation, such as walking, cycling, or carpooling. By promoting these eco-friendly practices, the college aims to foster environmental responsibility and support healthier lifestyles among students and staff. This proactive step not only contributes to reducing emissions but also enhances the overall well-being of the campus community.

Conclusion

The "No Engine Day" initiative at Parvathaneni Brahmayya Siddhartha College of Arts & Science exemplifies our commitment to sustainability and environmental stewardship. By encouraging the use of public transportation, walking, and cycling, we not only contribute to a cleaner environment but also foster a culture of health and responsibility within our campus community. Through continuous efforts and awareness campaigns, we aim to inspire a broader movement towards sustainability that benefits both our college and the surrounding community. This initiative reflects our dedication to creating a positive impact on the environment while promoting healthier lifestyle choices among students and staff.

Point 2: Use of Bicycles/ Battery powered vehicles

Response:

Parvathaneni Brahmayya Siddhartha College of Arts & Science is dedicated to fostering a sustainable and environmentally friendly campus. As part of this commitment, we propose the promotion and integration of bicycles and battery-powered vehicles as viable transportation options within our college community. This initiative aligns with the goals of the NAAC accreditation process by enhancing mobility, reducing carbon emissions, and promoting healthy lifestyles.

Rationale

- **Environmental Sustainability:** Bicycles and battery-powered vehicles significantly reduce carbon emissions compared to traditional automobiles. Promoting these options will help lower our institution's overall environmental impact.
- **Health Benefits:** Bicycling is a physical activity that contributes to the overall health and well-being of students and staff, encouraging an active lifestyle.
- **Cost-Effectiveness:** Both bicycles and battery-powered vehicles offer economical alternatives for commuting, reducing the financial burden on students and faculty.
- **Decreased Traffic Congestion:** Increasing the use of non-motorized and battery-powered vehicles will help alleviate traffic congestion on campus, creating a safer and more pleasant environment.

Objectives

- **Promote Sustainable Transportation:** Encourage the adoption of bicycles and battery-powered vehicles as primary means of transport within the campus.
- **Enhance Infrastructure:** Develop and maintain dedicated lanes and parking facilities for bicycles and battery-powered vehicles.
- **Raise Awareness:** Inform and educate the campus community about the benefits of using bicycles and battery-powered vehicles through campaigns and workshops.
- **Support Active Lifestyles:** Foster a culture of physical activity and environmental responsibility among students and staff.

Implementation Strategies

Awareness Campaigns:

- ✓ Launch initiatives to promote the health and environmental benefits of using bicycles and battery-powered vehicles.
- ✓ Workshops on maintenance and safe riding practices.

Expected Benefits

- **Reduced Carbon Footprint:** Significant decrease in greenhouse gas emissions and improved air quality on campus.
- **Improved Health:** Increased physical activity leading to better health outcomes for the college community.
- **Enhanced Mobility:** More efficient movement around campus, reducing congestion and improving access to facilities.
- **Alignment with NAAC Goals:** Demonstrating a commitment to sustainable practices, health, and community well-being, supporting our NAAC accreditation efforts.

Conclusion

The promotion of bicycles and battery-powered vehicles at Parvathaneni Brahmayya Siddhartha College of Arts & Science is an essential step toward creating a sustainable, healthy, and accessible campus. By prioritizing this initiative, we not only improve the quality of life for our students and staff but also align with the objectives of NAAC accreditation.

Point 3: Pedestrian Friendly Pathways

Response:

Parvathaneni Brahmayya Siddhartha College of Arts & Science is committed to creating an inclusive and safe environment for all students, faculty, and staff. One of the key initiatives to enhance campus life is the development of pedestrian-friendly pathways. This proposal aims to improve accessibility, promote safety, and encourage a healthier lifestyle, aligning with the objectives of NAAC accreditation.

Rationale

- **Safety:** Ensuring safe pathways reduces the risk of accidents and creates a secure environment for pedestrians, especially students moving between classes.
- **Accessibility:** Well-designed pathways improve access for all individuals, including those with mobility challenges, enhancing inclusivity across the campus.
- **Promoting Healthy Lifestyles:** Encouraging walking as a primary mode of transportation fosters a culture of physical activity, contributing to the overall well-being of the college community.
- **Aesthetic Appeal:** Attractive pathways enhance the campus environment, making it more inviting and conducive to academic and social interactions.

Objectives

- **Enhance Safety:** Design pathways that prioritize pedestrian safety through clear signage, adequate lighting, and separation from vehicular traffic.
- **Improve Accessibility:** Ensure pathways are navigable for everyone, including individuals with disabilities, by adhering to universal design principles.
- **Encourage Walking:** Promote walking as a viable option for short distances within the campus to foster a healthy and active lifestyle.
- **Create Community Spaces:** Integrate green spaces and resting areas along pathways to encourage social interaction and relaxation.

Implementation Strategies

- **Pathway Design:** Develop clear, well-marked pathways that connect key areas of the campus, including lecture halls, libraries, and recreational spaces.

- **Safety Features:** Install adequate lighting, benches, and signage to guide pedestrians and ensure safety during all hours.
- **Landscaping and Green Spaces:** Enhance pathways with greenery, flowers, and seating areas to create inviting spaces that encourage social interaction.
- **Awareness Campaigns:** Promote the benefits of using pedestrian pathways through campaigns and events, encouraging students and staff to embrace walking.

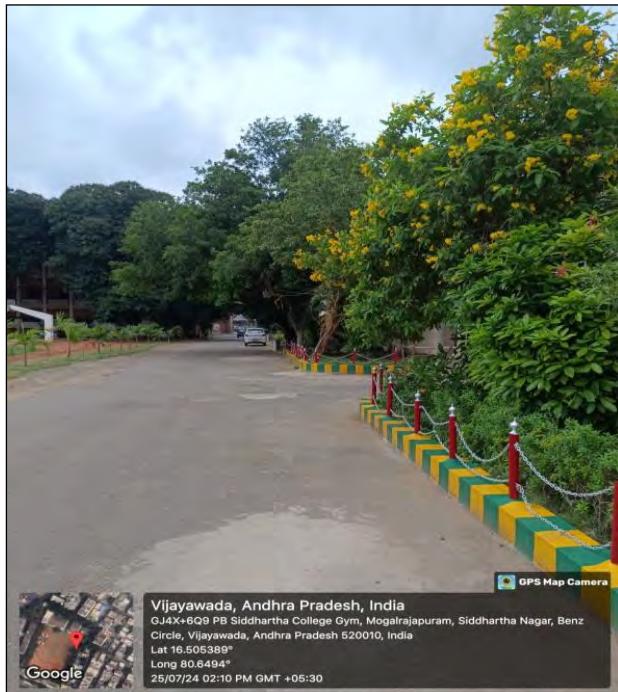
Supporting Details



Pedestrian pathways



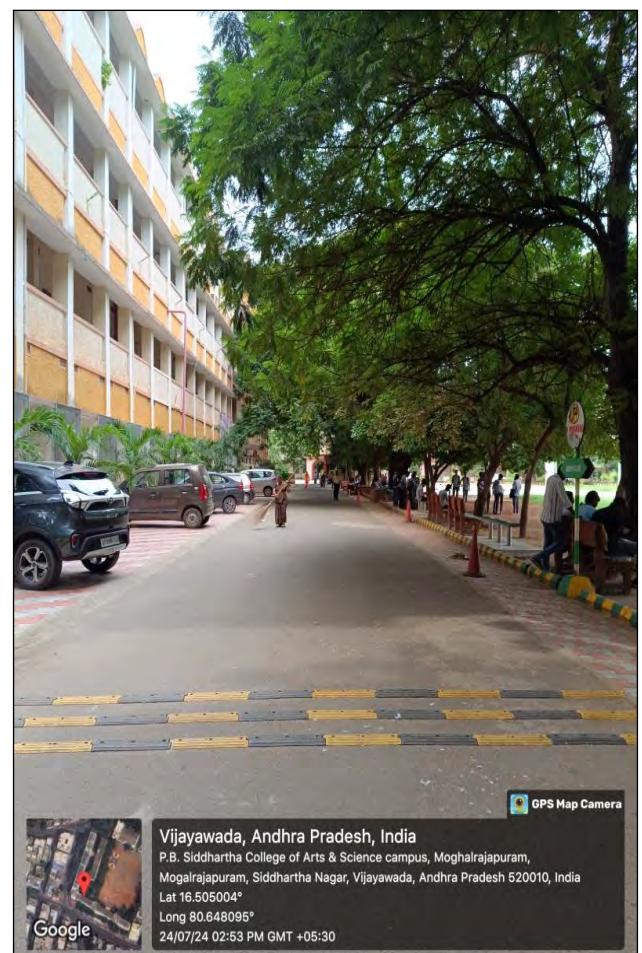
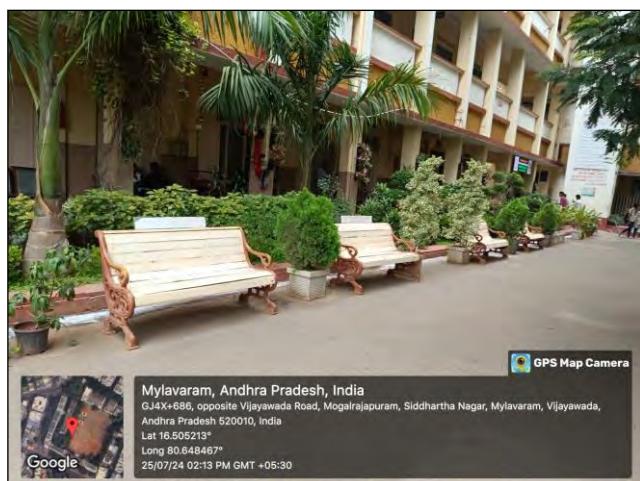
Pedestrian pathways



Mother Teresa Block Way



Indoor Stadium way



Car Parking area



Administration Path way



Gym Area Path way



Between Library & Chemistry Lab

Expected Benefits

- **Increased Safety:** Reduction in pedestrian accidents and enhanced feelings of safety among the college community.
- **Enhanced Accessibility:** Improved mobility for all individuals, creating an inclusive campus environment.
- **Healthier Lifestyle Choices:** Increased physical activity among students and staff, contributing to better overall health and well-being.
- **Improved Campus Environment:** Aesthetic enhancements that create a vibrant and inviting atmosphere conducive to learning and socializing.

Conclusion

The development of pedestrian-friendly pathways at Parvathaneni Brahmayya Siddhartha College of Arts & Science is a vital initiative that aligns with our commitment to safety, accessibility, and community well-being. By prioritizing this project, we enhance the quality of campus life, support NAAC accreditation goals, and promote a culture of sustainability and health. Through collaborative efforts, we can create an environment that encourages active engagement and fosters a sense of belonging among all members of our college community.

Point 4: Ban on use of Plastic

Response:

Parvathanei Brahmayya Siddhartha College of Arts & Science is dedicated to fostering a sustainable and environmentally friendly campus. As part of this commitment, we are following the policy of Plastic free Campus and creating awareness about the impact on use of plastic items in the campus and in life. This initiative aligns with the goals of the NAAC accreditation process by enhancing mobility, reducing carbon emissions, and promoting healthy lifestyles.

Supporting details

NAME OF THE EVENT: **REMOVAL OF PLASTIC FROM THE COLLEGE CAMPUS**

REPORT : The students of green & eco clubs actively participated in collecting the waste. They used the rice bags & baskets to place the waste during this process. After a movement of collection they segregated the waste and discarded in the respective waste bins.



Ban on Use of Plastic

Green canteen: Parvathanei Brahmayya Siddhartha College of Arts & Science is dedicated to promoting sustainability and environmental responsibility within our campus community. A key component of this commitment is the establishment of our Green Canteen initiative, which focuses on providing healthy, eco-friendly food options while minimizing environmental impact. This initiative aligns with our goals for NAAC accreditation by fostering a culture of sustainability and wellness among students and staff.



Waste collection including Plastic items if any



Point 5: Landscaping with Trees and Plants

Response

At Parvathanei Brahmayya Siddhartha College of Arts & Science, we recognize the importance of a well-designed landscape that incorporates trees and plants as essential elements of our campus environment. This initiative not only enhances the aesthetic appeal of our institution but also contributes to environmental sustainability, student well-being, and community engagement, aligning with the objectives of NAAC accreditation.

Rationale

- **Environmental Benefits:** Trees and plants play a crucial role in improving air quality, reducing urban heat, and providing habitats for local wildlife. They contribute to biodiversity and ecological balance.
- **Aesthetic Improvement:** A thoughtfully landscaped campus creates a welcoming and visually appealing environment, enhancing the overall experience for students, faculty, and visitors.
- **Stress Reduction:** Green spaces have been shown to reduce stress and promote mental well-being, providing students with areas for relaxation and study.
- **Educational Opportunities:** Landscaping can serve as a living laboratory for students, offering hands-on learning experiences in botany, ecology, and environmental science.

Objectives

- **Enhance Biodiversity:** Introduce a diverse array of native trees and plants that support local wildlife and promote ecological health.
- **Improve Aesthetic Value:** Create visually appealing green spaces that encourage social interaction and enhance the campus environment.
- **Promote Environmental Awareness:** Foster a culture of sustainability and environmental stewardship among students and staff through engagement with the landscape.
- **Provide Educational Resources:** Utilize landscaped areas as outdoor classrooms to facilitate experiential learning.

Implementation Strategies

- **Landscape Design Plan:** Develop a comprehensive landscape design that outlines the placement of trees, plants, and green spaces across the campus, considering factors such as climate, soil, and existing ecosystems.
- **Native Plant Selection:** Prioritize the use of native species that are well-adapted to the local environment, requiring less maintenance and providing better support for local wildlife.
- **Community Involvement:** Engage students, faculty, and local community members in planting and maintaining green spaces, fostering a sense of ownership and responsibility.
- **Educational Workshops:** Organize workshops and seminars to educate the college community about the importance of trees and plants, promoting sustainability practices.

- **Maintenance Plan:** Establish a regular maintenance schedule to ensure the health and longevity of landscaped areas, including irrigation, pruning, and pest management.

Green Area:

Total area of the Institute (Sq.mts.)	Built up Area (Sq.mts.)	Green Cover (Sq.mts)	Percentage of existing tree crown Cover area
29485	8613	2078.40	90.60 (sq.mt)

Greenery Expenditure

Big trees-243; Small trees – 744; No .of students – 3556; Student-Tree Ratio: 3:1

Parvathaneni Brahmayya Siddhartha College of Arts & Science is committed to fostering a sustainable and environmentally friendly campus. A significant aspect of our green initiative is the promotion and

YEAR	AMOUNT IN Rs
2021	2,17,935
2022	1,18,425
2023	87,250

maintenance of our tree population, which contributes to biodiversity, enhances campus aesthetics, and supports the overall well-being of our students. This report highlights our current tree population, the student-tree ratio, and the implications for sustainability, aligning with the objectives of NAAC accreditation.

Tree Population

- **Total Number of Trees:** 987 (**Big Trees:** 243, **Small Trees:** 744)

Our campus is home to a diverse array of trees, with a total of 987 trees comprising 243 big trees and 744 small trees. This rich biodiversity not only beautifies the campus but also plays a crucial role in improving air quality, providing shade, and supporting local wildlife.

Student Population and Ratio

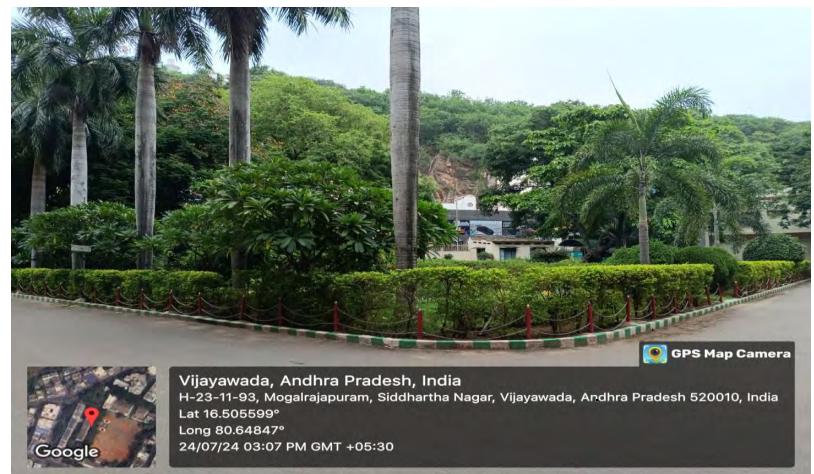
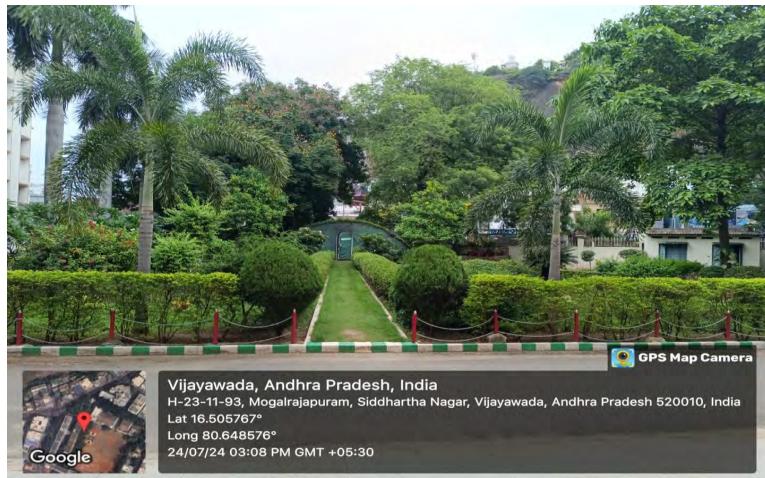
- **Total Number of Students:** 3,556
- **Student-Tree Ratio:** 3:1

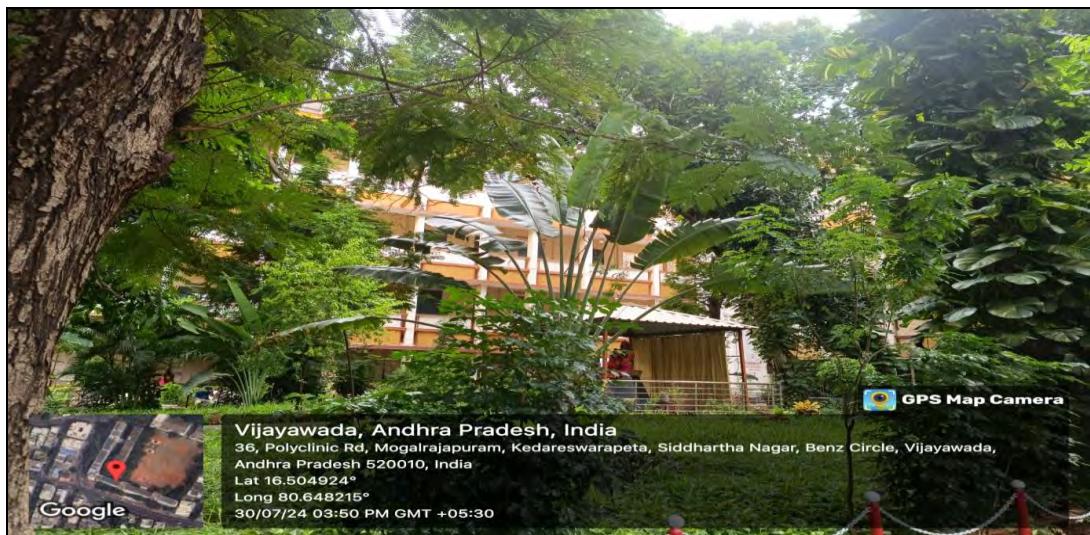
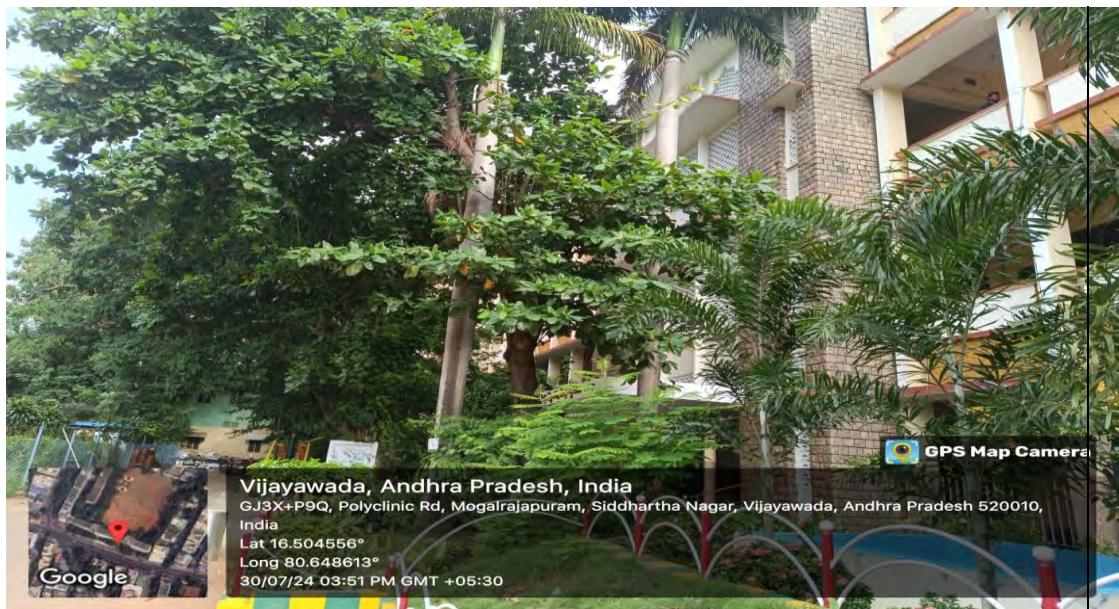
With a total student population of 3,556, our student-tree ratio stands at an impressive 3:1. This means there is one tree for every three students on campus, reflecting our commitment to creating a green and sustainable learning environment.

Benefits of the Student-Tree Ratio

- Environmental Impact:** A high number of trees relative to the student population contributes to better air quality, reduced noise pollution, and lower urban heat levels. Trees absorb carbon dioxide and release oxygen, supporting a healthier campus ecosystem.
- Aesthetic and Recreational Spaces:** The presence of trees enhances the visual appeal of the campus and provides natural spaces for students to study, relax, and socialize, promoting overall mental well-being.
- Educational Opportunities:** The diverse tree population serves as a living laboratory for students, offering opportunities to study botany, ecology, and environmental science.
- Community Engagement:** The college encourages students to participate in tree planting and maintenance activities, fostering a sense of responsibility and stewardship towards the environment.

The tree population and favourable student-tree ratio at Parvathaneni Brahmayya Siddhartha College of Arts & Science are key components of our commitment to sustainability and environmental responsibility. By maintaining a robust tree population, we not only enhance the aesthetic and ecological value of our campus but also support the health and well-being of our students.







Expected Benefits

- **Enhanced Campus Environment:** Improved aesthetics that contribute to a more pleasant and inviting atmosphere for learning and social interaction.
- **Increased Biodiversity:** A more diverse ecosystem that supports local flora and fauna, enhancing ecological balance.
- **Student Well-Being:** Access to green spaces that promote relaxation, mental health, and academic performance.
- **Alignment with NAAC Goals:** Demonstrating our commitment to environmental sustainability and community engagement, supporting our NAAC accreditation efforts.

Conclusion

Landscaping with trees and plants at Parvathanei Brahmayya Siddhartha College of Arts & Science is a vital initiative that enhances the campus environment and promotes sustainability. By prioritizing this project, we can create a beautiful and functional landscape that supports the well-being of our students and staff while aligning with the objectives of NAAC accreditation. Together, we can cultivate an educational environment that values nature and fosters a culture of environmental stewardship.

S.NO: 186

No: Porp. P.Lovaraju (Cash / Credit Bill) Date: 1.5.22
 203 **TEJASRI GARDENS** Cell: 9959040106
 (LANDSCAPING WORK)

తెజస్రి గార్డెన్స్

ALL VARIETIES OF FRUITS, FLOWERS, INDOOR PLANTS & LAWN GRASS SUPPLIERS
 NH-65 Bandar Road, Opp. chepala Kundlu, Penamaluru, Vijayawada - 520 039, Krishna Dist., A.P.,
 Sri./M/s: *BSP*

Sl. No.	PARTICULARS	Qty	RATE	AMOUNT Rs.
1	Washingtonia palms	10	225	2250 00
2	Oxycardieam	2	550	1100 00
3	Dracena CTC chaco	2	250	500 00
4	Dracena Lemon Light	2	250	500 00
5	Dracena Victoria	2	500	1000 00
6	Aglaonema Narrow leaf	2	450	900 00
7	Aglaonema Show white	2	350	700 00
8				6950 00
9				
10				
11				
12				
13				
14	Reet from Special funds			
15				
<u>Quo</u>				<u>TOTAL:</u>
Plant & to replace <u>Date</u> For TEJASRI GARDENS the dead pot plants and others				

SNO: 309

No: Corp. P. Lovaraju (Cash / Credit Bill) Date: 10/7/22
Cell: 9959040106278 **TEJASRI GARDENS**

(LANDSCAPING WORK)



టేజస్రి గార్డెన్స్

ALL VARIETIES OF FRUITS, FLOWERS, INDOOR PLANTS & GROUNDCOVERS SUPPLIERS
NH -65 Bandar Road, Opp. chepala Kundilu, Penamalur, Vijayawada - 521139, Krishna Dist., A.P.,
Sri./M/s:.....

Sl. No.	PARTICULARS	Qty	RATE	AMOUNT Rs.
1	Triangle Palm	1	650	650
2	Victoria gold	3	450	1350
3	Zonado Green	2	250	500
4	Araliea Tagore New	2	200	400
5	Kanakambram (H.B)	10	100	1000
6				3900
7				
8				
9	111 Cheque No. 681142			
10	20/7/22			
11	PAID AND CANCELLED			
12				
13				
14				
15				
TOTAL:				
To replace the lost plants				

For TEJASRI GARDENS

No. Prop. P. Lovaraju Cash/Credit Bill Date. 08/03/23
5 NO. 157 © 9959040106

TEJASRI GARDENS
(LANDSCAPING WORK)

తెజస్రి గార్డెన్స్

ALL VARIETIES OF FRUITS, FLOWERS, INDOOR PLANTS & LAWN GRASS SUPPLIERS
NH-65 Bandar Road, Opp. Chepala Kundilu, Penamaluru, Vijayawada - 521 139, Krishna Dist., A.P.

Sri/Ms.: P. B. Siddhartha College of Arts & Science

SL. No.	PARTICULARS	Qty.	RATE	AMOUNT Rs. Ps.
1	Hemigraphis	12	40	480
2	Sigepium pink	12	60	720
3	Sigepium white	6	60	360
4	Eperia	6	75	450
5	Philodendron green	6	100	600
6	Xanadu	6	80	480
7	Spiders	6	80	480
8	Ribbon grass	6	40	240
9	Pedalathus variegated	12	50	600
10	Oxycardium gold	6	80	480
11	Fish bone cartie	6	100	600
12	Rho	6	30	180
13	Pandanus	6	30	180
14	Jade	6	40	240
15	Pepronia variegated	6	50	300
			TOTAL	6390

Below meet four
special friends
For TEJASRI GARDENS

S.NO: 364

No: 375 Porp. P.Lovaraju (Cash / Credit Bill) Date: 15.07.22
Cell: 9959040106

TEJASRI GARDENS
(LANDSCAPING WORK)

తెజస్రి గార్డెన్స్

ALL VARIETIES OF FRUITS, FLOWERS, INDOOR PLANTS & LAWN GRASS SUPPLIERS
NH -65 Bandar Road, Opp. chepala Kundilu, Penamaluru, Vijayawada - 521139, Krishna Dist., A.P.,
Sri./M/s:.....

Sl. No.	PARTICULARS	Qty	RATE	AMOUNT Rs.
1	Carpete Lawn grass	1000 SFT	20	20,000
2				
3				
4				
5				
6				-AID Changers, M/s. 68/248
7				15/8/22
8				
9	Certified that the items in the bill are			
10	Received in Good Condition and entered in Stock Register Page No.			PAID AND CANCELLED
11	of.....			N/A/AMM
12	the bill may be presented for payment			RECEIVED
13	from.....			
14				
15				
TOTAL: 20,000				00
Recd from special funds.				
For TEJASRI GARDENS				

Dated: 15/8/22

NAME OF THE EVENT: **WORLD ENVIRONMENT DAY**

REPORT: The students of green club actively participated in the WORLD ENVIRONMENT DAY celebrations. Director sri vemuri Babu Rao enlightened the students on the theme we are living on the planet chocked by plastic.



NAME OF THE EVENT: **PIPE COMPOSTING ON THE COLLEGE CAMPUS**

REPORT: The students of green & eco clubs actively participated in making pipe composting. They collected unused pipes, dried leaves, vegetable waste from the canteen. By doing this activity the students of the clubs tried to aware the rest of student community to utilize the pipe composting at their home.