



DEPARTMENT OF BOTANY

Best Practice

NURTURING PLANTS

Objectives of the Practice:

1. To make the campus green, beautification and Aesthetic by nurturing the plants.
2. To Fostering Sustainability and Environmental protection.
3. To maintain ecological balance.
4. To Cultivate a habit of nurturing, gardening and plantation management among students.

Resource Persons and Technical Support:

The project initiated by the departmental in charge Sri. N. Nageswara Rao in the Campus and continued since last six years through the involvement of staff and students and made their efforts to keep the Campus green and environmentally protected. He has vast experience in identification and raising various plant species in wild and cultivated state. He has worked Formerly with forest Nurseries, Arboretums and Plant Propagation projects in Regional Forest Research Institute Rajahmundry, Integrated Tribal Development Agencies and Andhra Pradesh Girijan Co-operative Corporation extensively and aquatinted technical knowledge on plantations with low-cost local resources.

Significance of the Practice:

The alarming Global warming recognizes the importance of environmental sustainability and the need to incorporate green practices in various sectors. One such practice gaining popularity is nurturing plants in institutes particularly in academic institutes nurturing plants has emerged as a best practice for several reasons. Nurturing plants in institutes significantly contributes to improving the overall environment. Plants act as natural air purifiers, absorbing carbon dioxide and releasing oxygen through photosynthesis. This process helps in reducing air pollution and improving air quality within the institute premises. By incorporating plants, institutes can create a healthier and more pleasant environment for students, staff, and visitors. Plants have an undeniable aesthetic appeal that adds beauty, serenity and enhances the visual appeal of the surroundings. Additionally, nurturing plants can encourage students and staff to adopt sustainable practices in their personal lives, such as recycling, reducing waste, and conserving water. Institutes can take this opportunity to educate and raise awareness about environmental issues, inspiring individuals to become responsible global citizens.

Methodology:

The department of Botany of this institute adopts the practice in nurturing the plants continuously in the college premises by conducting various activities with the active participation of students and staff to enhance the greenery, beautification and Aesthetic sense of the institute. The department of botany effectively implements plant nurturing in collaboration with local nurseries and environmental organizations. The department raised a sustainable plant nursery in the college premises maintained by the student and staff. The nursery management involves seed collection, sowing, potting, planting

and watering with pest control management regularly as a co-curricular activity. In addition the department of botany maintains a botanical garden and landscaping in the college premises.

Results:

The continuous collective efforts made through the students and staff of the botany department resulted in appearance of lush green beautified cool campus in the institute. A large number of herbs, shrubs, trees which includes ornamental, medicinal, avenue plants grown and survived in the premises which reduces high temperature and become a biodiversity conserved spot by providing shelter for birds, honey bees, moths, butterflies and insects. The trees also provide shelter for the students to assemble during leisure hours and relish those moments under the cool shade. The local senior citizens and children are visited daily in the morning and evening and spend some time to relax in the pollution free green, pleasant atmosphere.

The institute received ISO 14001: 2015 by HYM International certifications Pvt. Ltd. for implementation of greenery and environmental promotion activities and also awarded best environmental campus awarded among the all college in the district level.

Constraints Encountered:

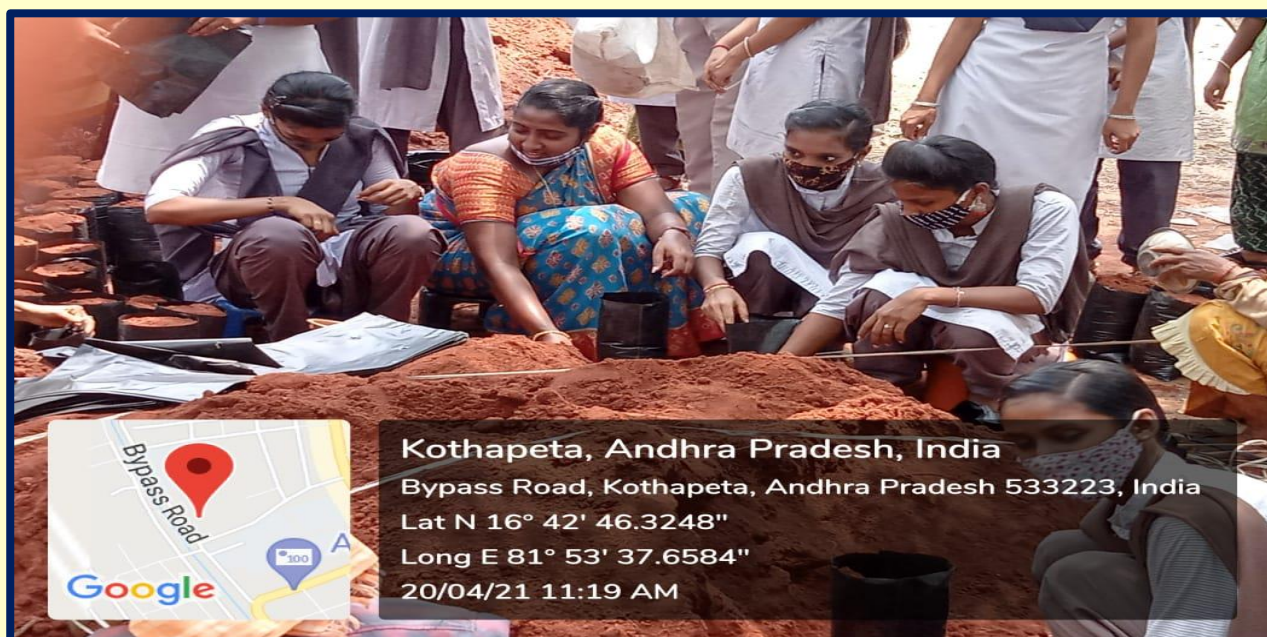
The institute doesn't have sanctioned post of the Gardner to care taking and maintain the plants. We couldn't avoid plastic bags used as potting for raising some seedlings as it is readily available for cheaper cost and plants distribution even though it is not an ecofriendly practice.

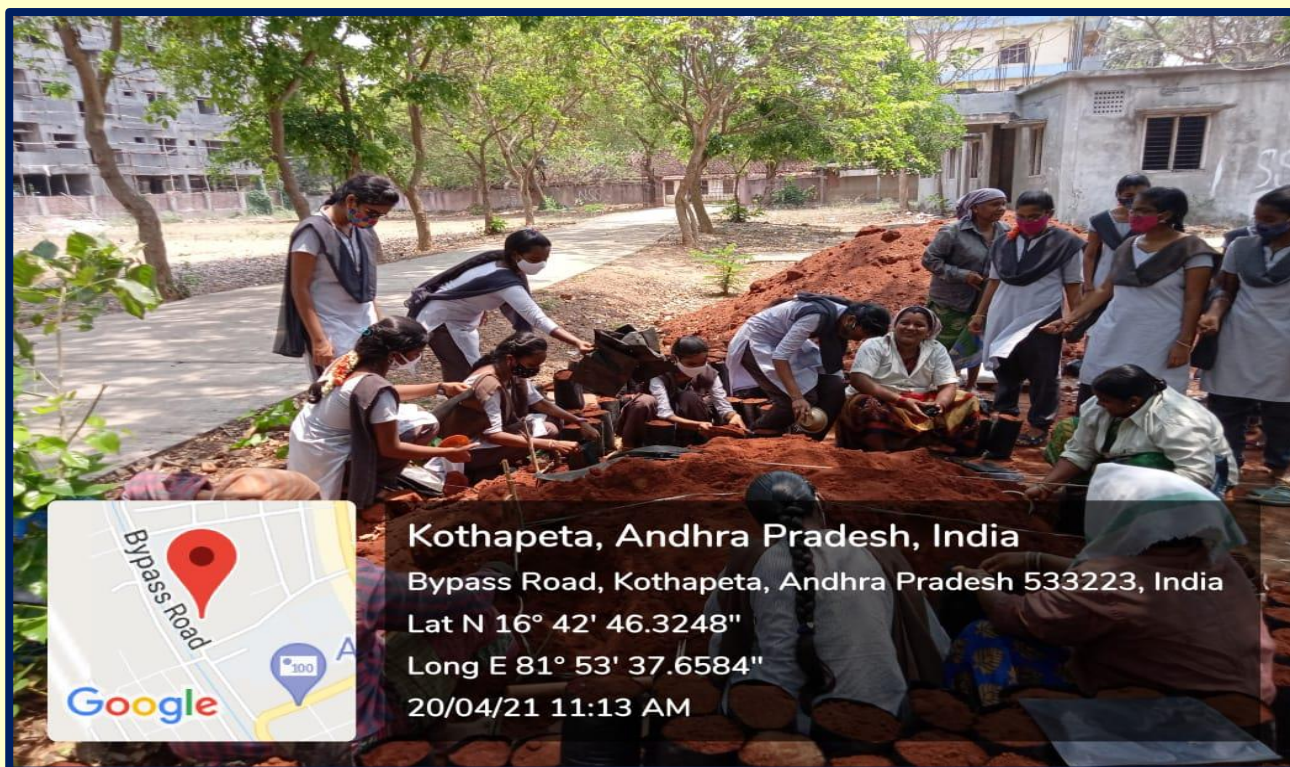
Conclusion:

In conclusion, Nurturing plants in institutes has evolved into a best practice that offers multiple benefits for the environment, aesthetics, learning, and sustainability. By incorporating plants within the premises, institutes create healthier and more inviting spaces while instilling a sense of responsibility towards the environment.

Methodology Activity Photographs:

Students' activity in Nursery management i.e., Bag filling, seed sowing, Weeding, watering Nursery beds preparation in the college premises.





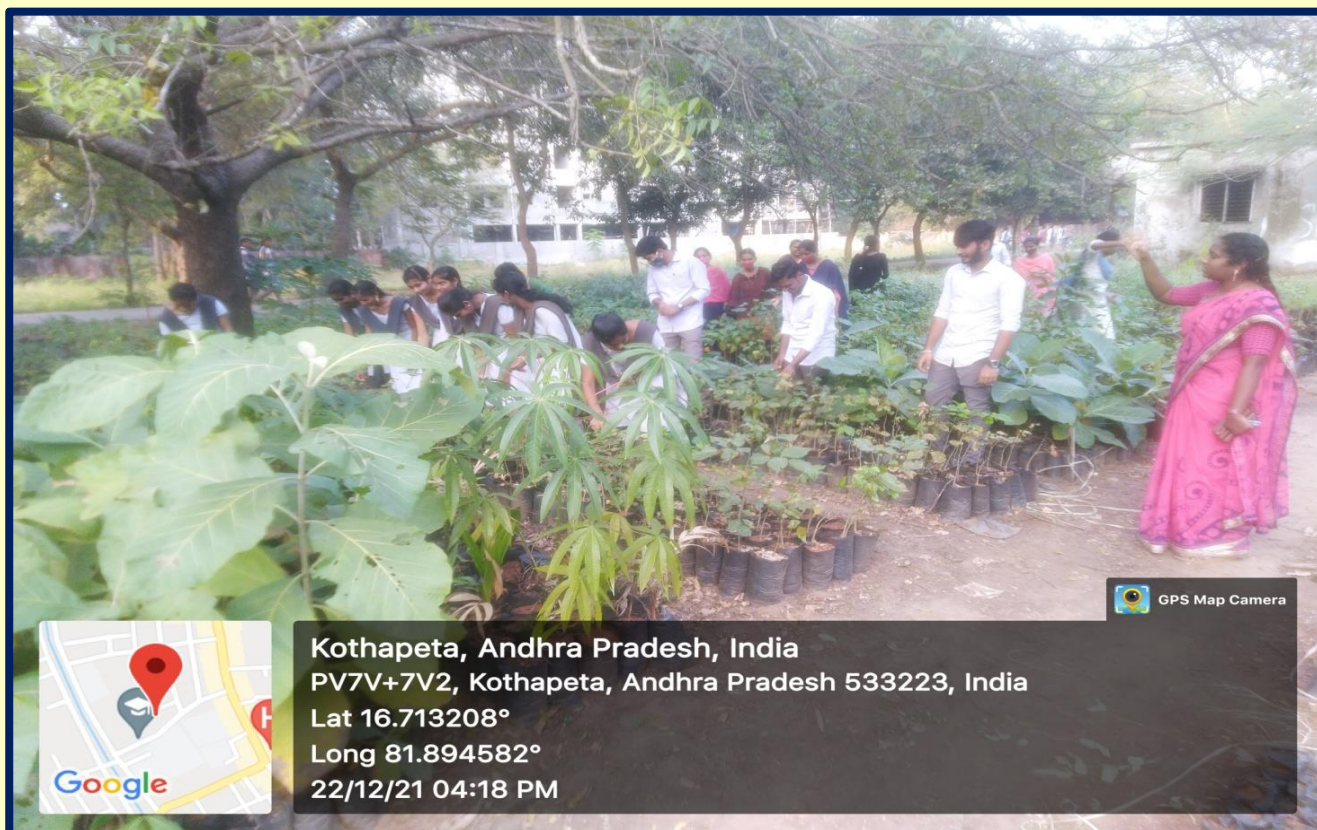




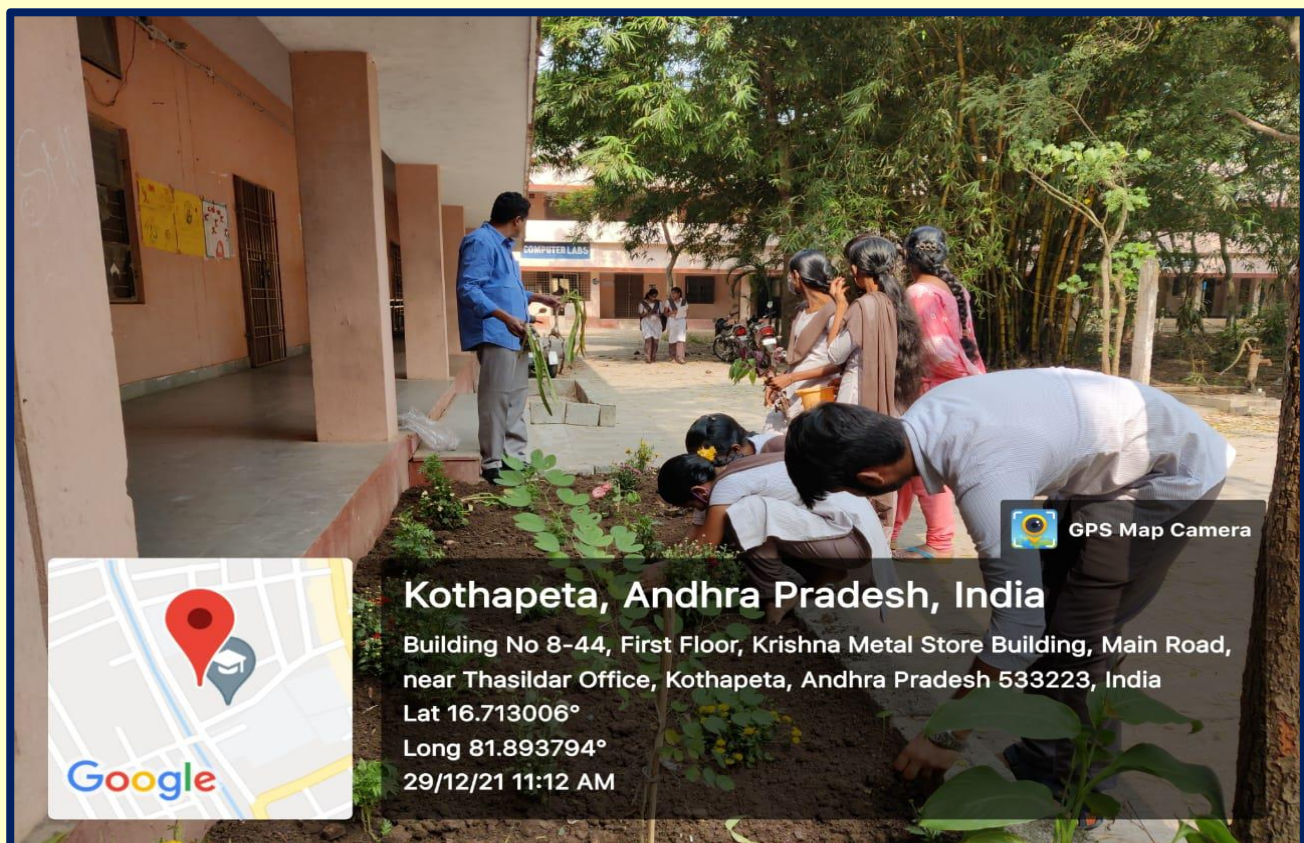
















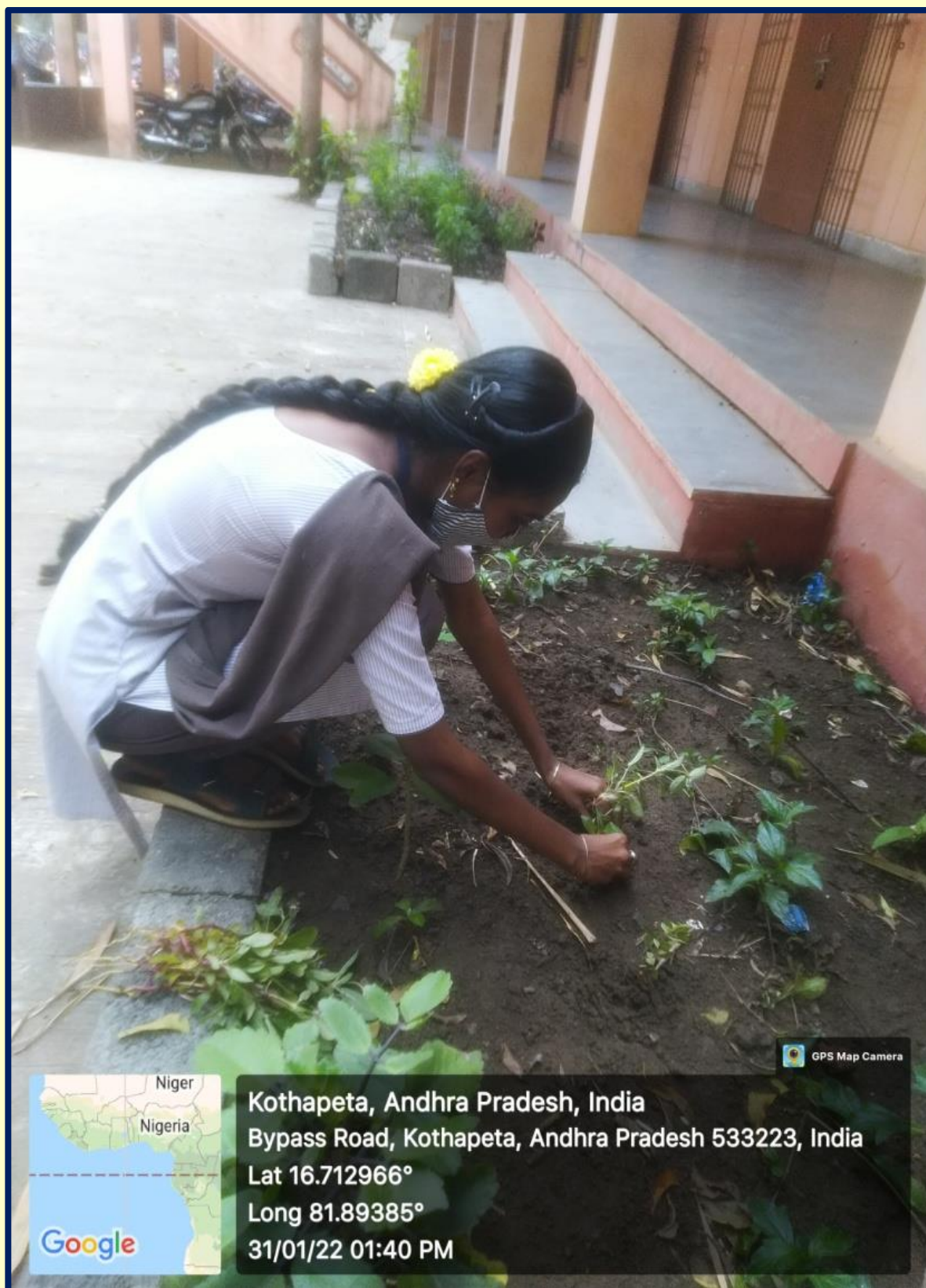








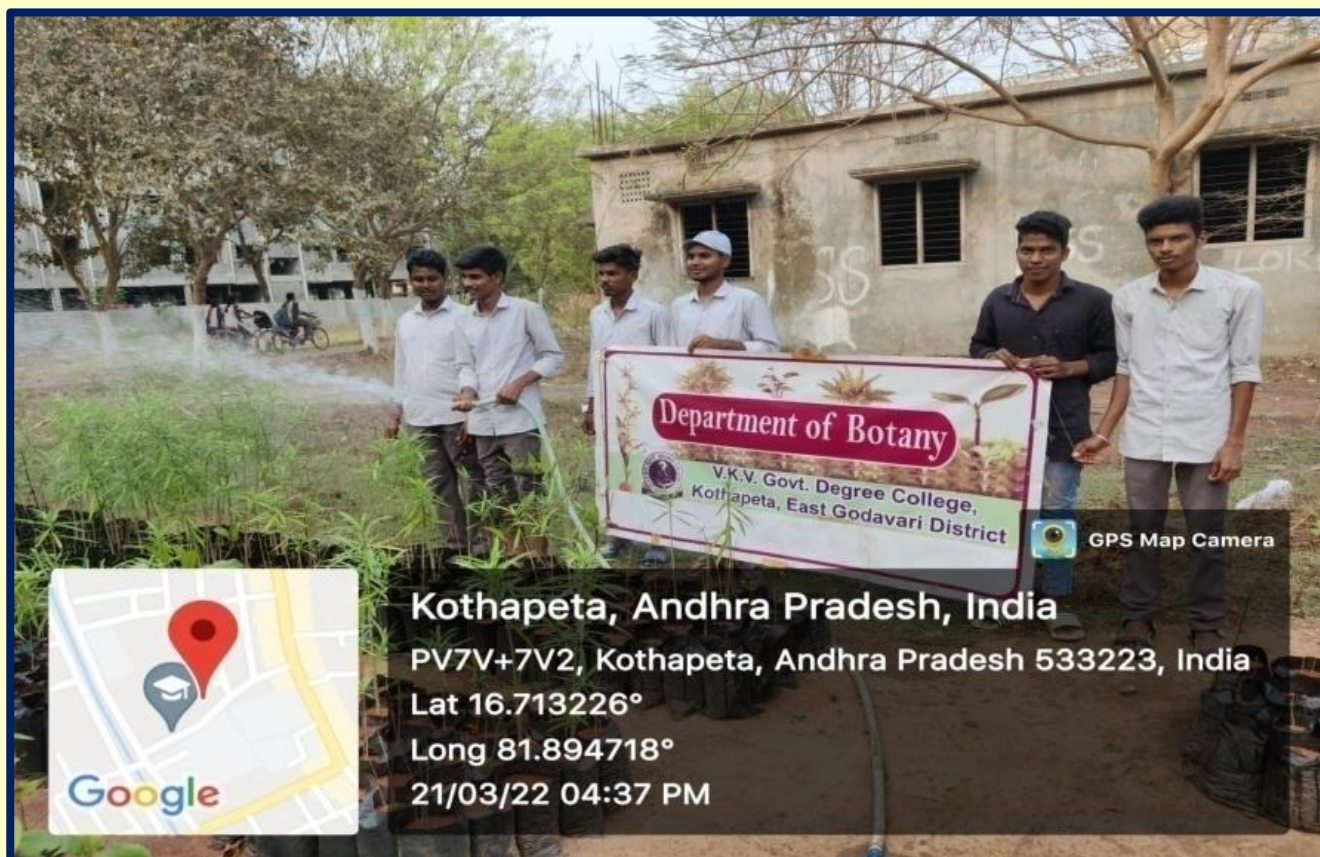




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Bypass Road, Kothapeta, Andhra Pradesh 533223, India
Lat 16.712966°
Long 81.89385°
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GPS Map Camera







Plantation programme carried out by staff and students in the college premises



















Students' activity on Nursering plants and land scaping in the college premises and corridors.





Students' activity on Nursering plants and land scaping and beautification in the college premises and corridors.









Students' activity on Plantation and maintenance of Botanical Garden in college







Activity showing gross cutting and jungle clearance in the college premises.





Visit to Local Plant Nurseries for Awareness on Nursering Plant Techniques.

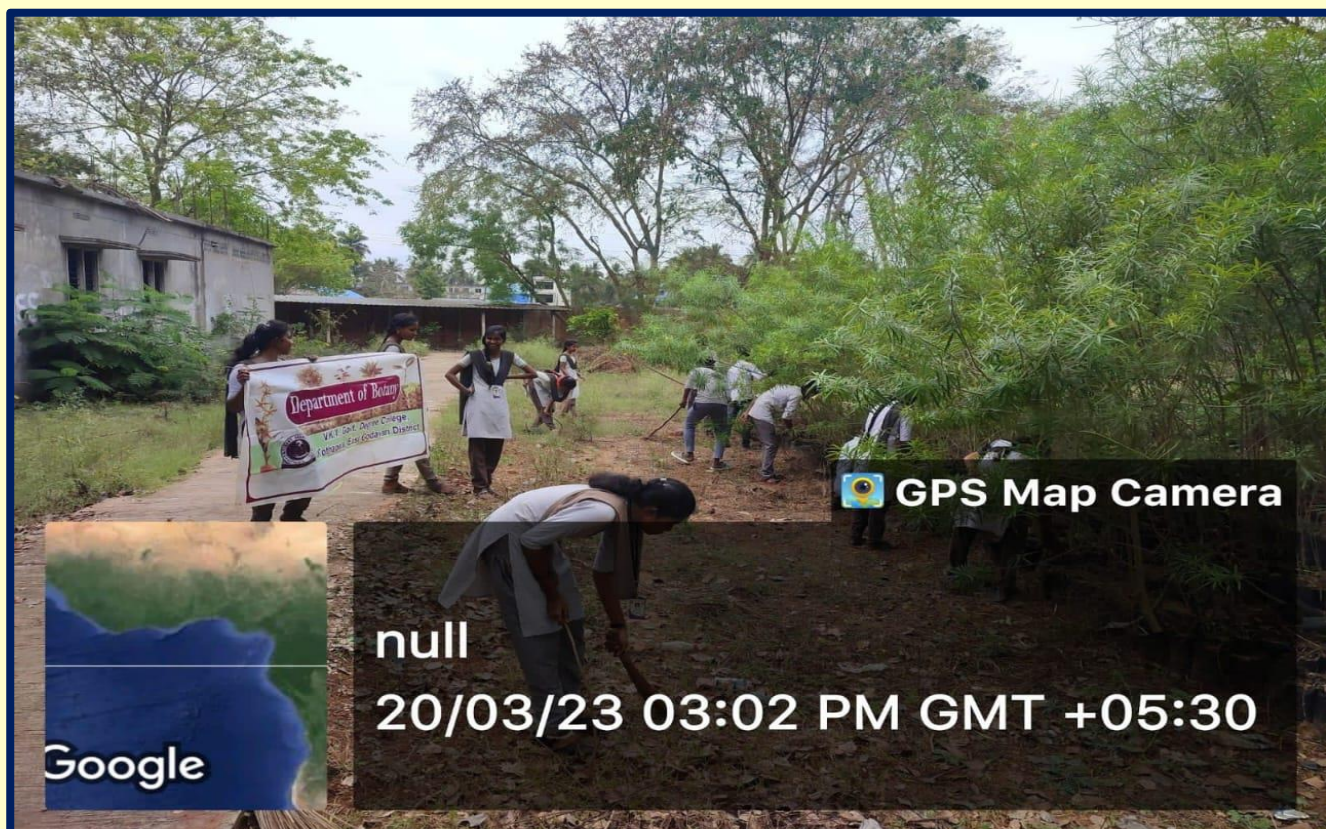












Massive Plantation Programmes Organized in the College Premises.







పర్యావరణ పరిరక్షణ సమిష్టి బాధ్యత

కొత్తపేట, కోస్తా వాణి ప్రతినిధి : పర్యావరణ పరిరక్షణ సమిష్టి బాధ్యత అని కొత్తపేట తహసీల్దార్ జి. డి. కిషోర్ బాబు అన్నారు. డాక్టర్ బి.ఆర్ అంబేద్కర్ కోనసీమ జిల్లాలోని కొత్తపేట విత్త కవి వేమన ప్రభుత్వ డిగ్రీ కళాశాల కొత్తపేట నందు సోమవారం అంతర్జాతీయ పర్యావరణ దినోత్సవం కళాశాలలో వృక్ష శాస్త్ర అధ్యాపకులు ఎన్. నాగేశ్వరరావు ఆధ్వర్యంలో కళాశాల వైస్ చీఫ్ పిన్సెట్ ఎస్. అరుణ్ కుమార్ అధ్యక్షతన జరిగింది. ఈ కార్యక్రమానికి ముఖ్యఅతిథిగా కొత్తపేట మండల రెవెన్యూ అధికారి జి. డి. కిషోర్ బాబు విచ్చేసి విద్యార్థులను ఉద్దేశించి మాట్లాడుతూ ప్రతి ఒక్కరూ పర్యావరణాన్ని కాపాడాలని, ప్రకృతిని కాపాడితే అది మనల్ని రక్షిస్తుందని, మన ఆరోగ్యంగా ఉండడానికి ప్రకృతి మూల కారణమన్నారు. చెట్లను విరివిగా పెంచాలని, అటవీ సంపదన కాపాడాలని మనకు ప్రాణవాయువులైనటువంటి వృక్షాలను పెంచి మన ఆరోగ్యాన్ని కాపాడు కోవాలన్నారు. మరియు పర్యావరణాన్ని రక్షించాలని ప్లాస్టిక్ మరియు వివిధ రకాలైనటువంటి వ్యర్థపదార్థాలను ప్రకృతి మీద వినర్షించ రాదన్నారు. తదనంతరం కళాశాల నందు సుమారుగా 250 మొక్కలను నాటారు. ఈ కార్యక్రమంలో కళాశాల అధ్యాపకులు జి శ్రీనివాస్, డి రమాదేవి, శివాజీ, నాగ దీపిక, దీపికా దేవి, విజయ్ కుమార్, మోజస్ రాజు, చంద్రశేఖర్, కనకరాజు, విద్యార్థిని విద్యార్థులు పాల్గొని మొక్కలు నాటారు.

