

**PRR&VS GOVERNMENT COLLEGE,
VIDAVALUR, NELLORE DIST.**

(Accredited by NAAC with 'B' grade)



Best Practices

One Day – One Plant

ORGANISED BY

DEPARTMENT OF BOTANY

2023-24



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Best Practices (2023-24)

One Day – One Plant



Studying Botany is recognized as one of the most engaging, environmentally-friendly thinking that people can participate in to help the planet when acquire knowledge of plants. Trees provide numerous long- term and short-term benefits. They not only look nice, but they also remove and store carbon from the atmosphere, slow heavy rain and thus reduce the risk of flooding, improve air quality, and reduce the urban heat island effect by reflecting sunlight and providing shade.

AIMS and OBJECTIVES:

- To provide knowledge of plants present surrounding of college and neighboring villages.
- To know the names of various plants with their scientific name and vernacular names.
- To utilize the knowledge of old and experienced people who are rich in traditional knowledge of plants and their medicinal value.
- To know the biodiversity of native flora and its significance.
- To conserve the biodiversity of native flora.
- To prepare herbarium of native plants.

PRACTICE:

- Collecting a plant in a day.
- Displaying the plant on the bulletin board.
- Displaying the plant scientific name and vernacular name, name of the family of plant on the bulletin board.
- Adding notes on medicinal values of the plant.
- Recording the entire in note books and to prepare report on the entire activity.

GOAL: to provide basic knowledge of native plants.

CONTEXT:

- Now a day it is become mandatory cut the trees of forests for widening of roads, construction of buildings and to establish industries. So many plants are being removed from dwelling areas.
- So it is important to know the plants present in our native place and to reintroduce the plants from the neighboring places.

PRACTICE:

The teacher guides students to pick up native plants from their villages. Students are asked to write the medicinal and religious importance of the plants collected and to plant the plants in the context of World Forest Day , World Earth's Day etc;

EVIDENCES OF SUCCESS:

The success of this practice is evident in the students' recording the data, bringing the plants from their villages, plantation and distribution of plants.

PROBLEMS ENCOUNTERED:

It is difficult to identify the importance of plants without the help of old people and experts who known medicinal and religious importance of plants in villages.

RESOURCES REQUIRED:

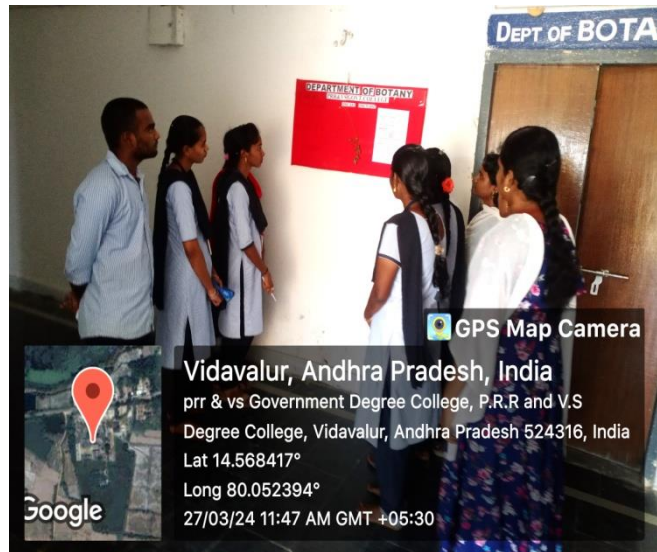
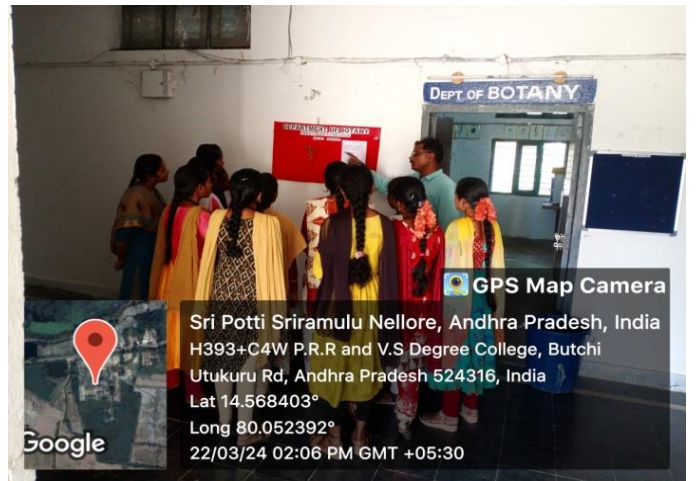
- Department of Botany in collaboration with NSS Unit regularly takes up plantation in the college campus.
- Student interest and support in bringing the plants.

LIST OF PLANTS DISPLAYED ON DISPLAY BOARD

S.NO	NAME OF THE PLANT	FAMILY	VERNACULAR NAME
1	Croton banplandianum	Euphorbiaceae	Galivana mokka
2	Lantana camera	Verbenaceae	Talambrala chettu
3	Solanum melangena	Solanaceae	Vankaya
4	Azadirakhta indica	Meliaceae	Neem
5	Hibiscus hirtus	Malvaceae	Mallow plant
6	Cleome chelidoni	Cappriadaceae	Celandine climber
7	Celosia argentia	Amaranthaceae	Gurugu
8	Clitoria turnata	Fabaceae	Butterfly pea
9	Tephrosia purpurea	Fabaceae	Vempali
10	Crossandra infundibuliformis	Acanthaceae	Kanakambram
11	Prosopis juliflora	Mimosaceae	Sarkaru thumma
12	Mimosa pudica	Mimosaceae	Attipatti
13	Acasia arabica	Mimosaceae	Thumma
14	Ricinus communis	Euphorbiaceae	Amudam
15	Bauhenia purpurea	Caesalpinaceae	Devakanchanam
16	Calotropis gigantia	Asclepiadaceae	Jilledu
17	Boerhaavia diffusa	Nyctagenaceae	Atika mamidi

18	<i>Ruellia tuberosa</i>	Acanthaceae	Chebeera
19	<i>Aerua lanata</i>	Euphorbiaceae	Kondapindimokka
20	<i>Parthenium hysterophorus</i>	Asteraceae	Vayyaribhama
21	<i>Moringa oleifera</i>	Mringaceae	munaga
22	<i>Abutilon indicum</i>	Malvaceae	Thuttarabenda
23	<i>Commelina bengalensis</i>	Commelinaceae	Amruthakada
24	<i>Coccinia cardifolia</i>	Cucurbitaceae	Donda
25	<i>Tribulus terrestris</i>	Euphorbiaceae	palleru
26	<i>Euphorbia hirta</i>	Euphorbiaceae	Reddivaari naanabaalu
27	<i>Acalypha indica</i>	Euphorbiaceae	Muripinda
28	<i>Tridax procumbens</i>	Asteraceae	Gaddichamanthi
29	<i>Passiflora indica</i>	Cucurbitaceae	jumkipuvvu
30	<i>Phyllanthus neruri</i>	Euphorbiaceae	Nela usiri

EVIDANCES:



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