

**S.G.A GOVT. DEGREE COLLEGE, YELLAMANCHILI,
(REACCREDITED WITH WITH NAAC 'A' GRADE)
DEPARTMENT OF BOTANY**



**FIELD TRIP REPORT
ON
PENJERUVU,
YELLAMANCHILI,
VISAKHAPATNAM DIST,
ANDHRA PRADESH
Date: 07-12-2021**

**PREPARED BY
THE DEPARTMENT OF BOTANY**

- 1. Dr B. Chandramouli., M. Sc., SLET., Ph. D
Lecturer in Botany**
- 2. Dr. V. Padmaja, M. Sc., SLET., Ph.D**

To

The Principal

SGA Govt. Degree College

Yellamanchili

Dt: 07-12-2021

Yellamanchili

Sir,

Sub:- Dept. of Botany-Request for permission to take Students for Local field visit-Reg

Ref: Field trip is part of curriculum.

We are here with submitting that We the faculty from Dept. of Botany wish to go for Local field visit to Penjeruvu Lake with our I, III B.Sc (CBZ) students in the academic year 2020-21. Field visits are part of Curriculum by which the students can able to observe and identify different plant species practically in the trip which is also helpful in collection and identification of plants.. Hence we request you to give permission to take the I & III B.SC (CBZ) students (45) to Penjeruvu located 1 KM from College.

Thanking you sir.

Yours faithfully

Faculty of Dept. of Botany

*Permitted to conduct
local field visit
Dr. B. Chandramouli
7/12/21*

Dr. B. Chandramouli 7/12/21
1. Dr.B. Chandramouli
Lecturer in Botany


V. Padmaja 7/12/21
2. Dr.V. Padmaja
Lecturer in Botany

List of Students from I, III B.Sc (CBZ) 2020-21 to Botanical tour on 07-12-2021

S.No	Name of the student	Year and Group
1	ADDURI RAMYA	III B.Sc (CBZ)
2	CHITIKELA GAYATHRI	III B.Sc (CBZ)
3	CHOKKA CHINNARI	III B.Sc (CBZ)
4	DADI DHAMANI	III B.Sc (CBZ)
5	GOSALA SANDHYA	III B.Sc (CBZ)
6	GUMPINA PAVANI	III B.Sc (CBZ)
7	JAVVADI JYOTHI	III B.Sc (CBZ)
8	KALIGATLA BHARGAVI	III B.Sc (CBZ)
9	KANTAPUREDDI UMA MAHESWARI	III B.Sc (CBZ)
10	KAPPALA POORNA SAI CHANDRIKA	III B.Sc (CBZ)
11	KARANAM MOHINI LAKSHMI	III B.Sc (CBZ)
12	KODA ARUNA	III B.Sc (CBZ)
13	MARAPUREDDI SRAVANI	III B.Sc (CBZ)
14	NANDAVARAPU ROHINI	III B.Sc (CBZ)
15	PIKKI SIVARANI	III B.Sc (CBZ)
16	PITLA BHARATHI	III B.Sc (CBZ)
17	RAYAVARAPU LAVANYA	III B.Sc (CBZ)
18	TARUTHURI VASANTHAKUMARI	III B.Sc (CBZ)
19	VANAPALLI VARAPRASAD	III B.Sc (CBZ)
20	VASAPALLI GOWTHAMI	III B.Sc (CBZ)
21	VASIPILLI CHITTI	III B.Sc (CBZ)
22	KALLA PUSHPALAKSHMI	I B.Sc (CBZ)
23	KANTAMREDDY ASHA	I B.Sc (CBZ)
24	AGRAHARAPU ANURADHA	I B.Sc (CBZ)
25	AMALAKANTI SATYA	I B.Sc (CBZ)
26	GORINTA MEENAKSHI	I B.Sc (CBZ)
27	GUDDATI USHA RANI	I B.Sc (CBZ)
28	MAMIDI BHAGYALAKSHMI	I B.Sc (CBZ)

29	MOGILI BHARGAVI	I B.Sc (CBZ)
30	MOORA RATNA KUMARI	I B.Sc (CBZ)
31	OMMI KUMARI	I B.Sc (CBZ)
32	PADALA TRIVENI	I B.Sc (CBZ)
33	PEDAPUDI LATHA	I B.Sc (CBZ)
34	PUDI KAVYA	I B.Sc (CBZ)
35	RAJESWARI YANDA	I B.Sc (CBZ)
36	RANGALA NAVYA	I B.Sc (CBZ)
37	REDDI DAIVA MADHURI	I B.Sc (CBZ)
38	REKHA VENKATALAKSHMI	I B.Sc (CBZ)
39	SONY GUDALA	I B.Sc (CBZ)
40	TELU SURYA LAKSHMI	I B.Sc (CBZ)
41	THANNERU MOUNIKA DEVI	I B.Sc (CBZ)
42	THOTA KUMARI	I B.Sc (CBZ)
43	ERIGILA VANDANA	I B.Sc (CBZ)
44	CHITTI DEVIKA	I B.Sc (CBZ)
45	DEVARA DIVYA	I B.Sc (CBZ)


Dept. of Botany


PRINCIPAL
S.G.A. Govt. Degree College
Yellamanchili - 531 055
Visakhapatnam District. (A.P)

Field Trip:

Field Trip are the part of Curriculum Organized by Every Department in the Institution. But the Department of Botany is more important in observing flora and Fauna as well in natural environment, for which the department must organize the field trips in every academic year. They provide practical experiences to the students by which learning capabilities are enhanced more and gives better comprehension. Being Botany Lecturer, it is mandatory to take the Biological science students to the field trip to show different types of Plant species present in the Nature. More over, in the Curriculam, there are 2 units from Taxonomy, in which the students studying morphology of Angiospermic plants. Herbarium preparation is important aspect for Taxonomy. The field trips are useful for plant collection in different flowering seasons for preparation Herbarium.

Objectives of Field trip:

1. To see and identify the important medicinal plants.
2. To see and identify aquatic plants in the Lake.
3. To get learning experiences by direct observation in the natural environment.
4. To get field experience.
5. To know the Flowering seasons of different plants.
6. To study the Phytogeographical distribution.

Brief report:

I Mr. B. Chandramouli, Lecturer in Botany teaches Taxonomy, Ethnobotany, Phytochemistry and Pharmacognosy for III & I B. Sc (CBZ) students. Dr.V. Padmaja, Lecturer in Botany teaches Ecology, Pteridiphytes, Algae and Fungi to III CBZ and I CBZ students. After completion of syllabus in theory classes, I thought and planned to take my students to Field trip with the permission of the Principal, to show and identify the medicinal plants, aquatic pants, Algae frum river and to study ecological relationships which were learnt in the class room.

I took my III & I CBZ students (45) to near lake called Penjeruvu outside of our college at Yellamanchili. First, I explained the names of some important medicinal plants present in our Botanical garden by 2.00 pm, then moved to near Penjurevu lake. We identified all avenue plants through out the road side upto Penjruvu. In the lake many aquatic Angiospermic plants are ientified and recorded. I explained all the names of plant species and

students were noted down the same for identification and to wrote names on their field books. We noticed tree species, Herbs, Shrubs, Climbers and some Aquatic plants. In this region we identified an advanced Pteridophyte called Marsilea.

The following plants are identified in the outsides.

1. *Enterolobium saman* – Rain Tree (Mimosaceae)
2. *Syzygium jambolina* – Goose berry (Myrtaceae)
3. *Dalbergia latifolia* – Rose wood (Fabaceae)
4. *Bauhinia purpurea* – Deva kanchana (Caesalpinaceae)
5. *Achras zapota* – Sapota (Sapotaceae)
6. *Thespesia populnea* – Ganga Ravi (Malvaceae)
7. *Cocos nucifera* – Coconut (Arecaceae)
8. *Tectona grandis* –Teak (Verbenaceae)
9. *Aloe vera* - Kalabanda (Asphodlaceae)
10. *Pongamia pinnata* - Kanuga (Fabaceae)
11. *Azadirachta indica* – Neem (Meliaceae)
12. *Millingtonia hartensis* - Rama bhanam (Bignoniaceae)
13. *Duranta repens* – Duranta (Verbenaceae)
14. *Anthocephalus cadamba* - Kadamba (Rubiaceae)
15. *Polyalthia longifolia* - Nara mamidi (Annonaceae)
16. *Salvia splendens* - Sage Plant (Lamiaceae)
17. *Terminalia catappa* – Almond (Combretaceae)
18. *Psidium gua* – Gua (Myrtaceae)
19. *Coccinia indica* - Donda (Cucurbitaceae)
20. *Datura metal* – (Solanaceae)
21. *Argemone mexicana* - (Papavaraceae)
22. *Tragia involucrate* – (Euphorbiaceae)
23. *Catharanthus roseus* – (Apocynaceae)



1. Students recording the Plants explained by Botany faculty.

The following plants are identified in outside of the College campus.

1. *Aerva lanata* – Pindi kura (Amaranthaceae)
2. *Tephrosia purpurea* - Vempali (Fabaceae)
3. *Achyranthes aspera* – Uttareni (Amaranthaceae)
4. *Sida acuta* – (Malvaceae)
5. *Cassia occidentalis* - Kasivinda (Caesalpinaceae)
6. *Parthenium hysterophorus* – Congress Weed (Asteraceae)
7. *Abutilon indicum* - Tutturu benda (Malvaceae)
8. *Sapindus emarginatus* - Soap nut (Sapindaceae)
9. *Tamarindus indica* - Tamarind (Caesalpinaceae)
10. *Holarrhena antydysenterica* – Ankudu (Apocynaceae)
11. *Ficus hispida* - Brahma Medi (Moraceae)
12. *Acalypha indica* – Kuppinta (Euphorbiaceae)
13. *Anisomeles malabarica* - Rana bheri (Lamiaceae)
14. *Cucurbita maxima* – Gummadi (Cucurbitaceae)
15. *Hibiscus ovalifolius* – Wild stock Rose (Malvaceae)
16. *Mangifera indica* - Mango (Anacardaceae)
17. *Moringa oleifera* - Drumstick (Moringaceae)
18. *Passiflora foetida* - Creeping Vine (Passifloraceae)
19. *Calotropis gigantia* - Jilledu (Asclepiadaceae)
20. *Cassia elata* – (Caesalpinaceae)

21. *Crotalaria juncea* - Janumu (Fabaceae)
22. *Lantana camara* - Verbenaceae
23. *Carica papaya* - Boppayi - Euphorbiaceae
24. *Plumbago Zeylanica* - Chitra mulam - Plumbaginaceae
25. *Nelumbo nucifera* - Lotus (Nelumbonaceae)
26. *Ipomoea aquatica* - Convolvulaceae

We reached the Penjeruvu lake by 3.0 pm and started walking towards the lake by seeing all plants on road side. At the Penjeruvu Lake bank area, some important medicinal plants identified such as *Holarrhena antydysenterica*, *Plumbago Zeylanica*, *Abutilon indicum*, *Calotropis*, *Argemone*, *Datura* etc. We identified Tree species, some climbers and creepers and fruit yielding plants.



2. Identification of plants at Penjeruvu lake



3. Students writing the Plants present on the side of Lake



4. *Argemone mexicana*



5. *Datura metel*



5. Penjeruvu Lake with *Nelumbo* plants

Finally we reached Sri Durga Temple near Penjeruvu and sat there for about half an hour. There we discussed with some moral stories. I gave a challenge to my students, when you missed in the forest, If Tiger comes and ready to attack you. What is going to do?.

I explained the Bhimbhacha rasa, one of the Navarajas to escape from the dangerous situation. Like that several stories and happy moments shared among ourselves .

By 4.30 pm we started returning to our College back and finally reached our College by 5.00 pm from there all are dispersed to their respective homes.