

GOVERNMENT DEGREE COLLEGE, PEDDAPALLI

DEPARTMENT OF BOTANY

( 2021-22)

Algal Collection Field trip



  
Department of Botany  
Govt. Degree College  
PEDDAPALLI

  
Principal  
Govt. Degree College  
Peddapalli.

GOVERNMENT DEGREE COLLEGE, PEDDAPALLI

PERMISSION LETTER FOR FIELD TRIP

DEPARTMENT OF BOTANY

Date: 28/02/2022

To

The Principal

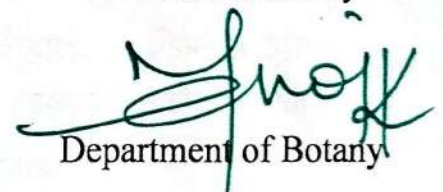
GDC, Peddapalli

Sub: Request For permission to conduct field trip to local stream.

As per the Subject cited above I Nalla Manoj Kumar, an assistant professor of botany, plans to lead a field trip on March 1, 2022, to a nearby pond and stream called Hussainmiya vagu to collection of algae. This is a component of the practical curriculum and could also be experiential learning for the students, which advances their skills and knowledge.

Thanking you

Yours Sincerely

  
Department of Botany



**Principal**  
Govt. Degree College  
Peddapalli.

## 12.Spirogyra varianas Chlorophyceae

### Attendance sheet

Name of the activity: field trip

Sl.No	Name of The Student	Course &Year	Signature
1	A.Akshitha	B.Sc, Life Sciences ,I st year	A.Akshitha
2	P.Likitha	B.Sc, Life Sciences ,I st year	P.Likitha
3	K.Ajay	B.Sc, Life Sciences ,I st year	K.Ajay
4	L.Vijay	B.Sc, Life Sciences ,I st year	L.Vijay
5	K.Vashishta	B.Sc, Life Sciences ,I st year	K.Vashishta
6	S.Venkatesh	B.Sc, Life Sciences ,I st year	S.Venkatesh
7.	V.prasanth	B.Sc, Life Sciences ,I st year	V.prasanth
8.	G.Sravani	B.Sc, Life Sciences ,II nd year	G.Sravani

*(Handwritten signature)*

**Principal**  
Govt. Degree College  
Peddapalli.

GOVERNMENT DEGREE COLLEGE, PEDDAPALLI

DEPARTMENT OF BOTANY

( 2021-22)

Algal Collection Field trip



**DEPARTMENT OF BOTANY, GOVERNMENT DEGREE COLLEGE , PEDDAPALLI**  
**COLLECTION OF ALGAE AT HUSSNIMIYA VAGU**





**Students collected algae from local stream and preserved in bottles for identification.**

The objective of the Field trip is mentioned as follows:

- Providing knowledge of habitat of particular algae.
- Exposure to collecting techniques- Proper safety is to be ensured while collecting algae
- Identification of collected algae- The algae were collected in presence of an efficient algologist who could describe the genus and species name of the collected samples. This enhanced the ability of each and every student to identify an alga even from its natural habitat.
- Knowledge of preservation of the collected algae- The collected algae were to be preserved for future uses in the laboratory and for other research works. The preparation of preserving solutions was prepared by the students themselves under guidance of an expert. This gave knowledge about constituents of the solution.

Therefore, the trip was planned with all of these objectives in mind, providing all necessary information about all of the above-mentioned parameters.

Identified the following species in the visited stream:

. No Name of Algal Mixture Name of the Class

1. *Oscillatoria tenuis* Cynophyceae
2. *Synechocystis aqualis* Cynophyceae
3. *Anabaena constricta* Cynophyceae
4. *Anabaena iyengarii* Cynophyceae
5. *Anabaena anopsis* Cynophyceae
6. *Psueanabaenopsis* Species Cynophyceae
7. *Nostoc shaerium* Cynophyceae
8. *Nostoc pruniforme* Cynophyceae
9. *Spirulina major* Cynophyceae
10. *Chroococcus* Species Cynophyceae
11. *Oedogonium* Species Chlorophyceae
12. *Spirogyra varianus* Chlorophyceae

Outcomes of the Field trip:

- By Collection of the algae from Local Stream and pond they understand habitat of the Algae
- Students understand diversity of Algae
- Students enhance their skills in collection of algae and preservation technique
- Students meticulously trained to identification of Algae