



GOVERNMENT DEGREE COLLEGE LUXETTIPET



**FIELD TRIP TO POLASA
2019-20**

DEPARTMENT OF PHYSICS



**Government Degree College,
Luxettipet**



District: Mancherial

Contact No: 08739 233888 e-mail: gdclxpt@gmail.com

Principal Present (FAC): Dr. Jai Kishan Ojha, M.Sc, Ph.D. cell: 9440036165

To
The Associate Director of Research
Regional Agricultural Research Station
Polasa, Jagtial

From
The Principal
Government Degree College
Luxettipet, Dist. Mancherial

Sir,

Sub: Permission for field visit to Agricultural Research Station, Polasa - UG Students of Govt. Degree College, Luxettipet - Request - Regarding.

In accordance with the subject cited, I wish to submit that Government Degree College, Luxettipet is catering to the educational needs of students hailing from remote and rural areas surrounding the region. To enrich the curriculum and to inculcate scientific temper in the nascent minds of our students, the institute is planning for field visit to your esteemed research centre.

In this regard, I request your good self to consider our request and grant permission to our students (about 30) to visit your Institution on 18.01.2020 and facilitate them in knowing the current trends and techniques in the subject.

Thanking You sir

Yours Sincerely,

Received

J. K. Ojha
17/1/2020

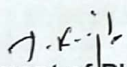
Associate Director of Research
Regl. Agril. Res. Station
POLASA, JAGTIAL.

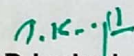
T. K. Jil
Principal
Principal
Govt. Degree College
Luxettipet - 504 214

GOVERNMENT DEGREE COLLEGE, LUXETTIPET
NOTICE
FIELD TRIP
DEPARTMENT OF PHYSICS

11.01.2020

All the students of I, II and III Yr M.P.C and M.P.Cs are hereby informed that the Department of Physics is going to conduct a field trip to Polasa Agriculture Research Station on 18.01.2020 for studying the various equipment and technology used in Agriculture.


Department of Physics


Principal

Principal
Govt. Degree College,
Luxettipet-504 215

GOVERNMENT DEGREE COLLEGE, LUXETTIPET
ATTENDANCE SHEET

Name of the Activity: Field trip to Polasa
Agriculture Research Station

Date: 18.01.2020

S.No	Name of the student	Course and Year	Signature of the student
1.	Md. Matheen	M.P.C II Yr	Matheen
2.	D. Nikhil	M.P.C II Yr	Nikhil
3.	K. Laxman	M.P.C II Yr	Laxman
4.	U. Akhila	M.P.C II Yr	U. Akhila
5.	A. Yesumani	M.P.C II Yr	Yesuman
6.	P. Suma Bindu	M.P.C II Yr	P. Sumabindu
7.	D. Rakesh	M.P.C I Yr	D. Rakesh
8.	K. Vamsi Krishna	M.P.C I Yr	K.V. Krishna
9.	M. Shailaja	M.P.C I Yr	M. Shailaja
10.	D. Divya	M.P.C I Yr	D. Divya

J.K. J

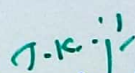
DEPARTMENT OF PHYSICS

OBSERVING ANEMOMETER



OBSERVING RAIN GAUGE




Principal
Govt. Degree College,
Luxettipet-504 215

OBSERVING PH METER



Dr. K. J. J.
DEPARTMENT OF PHYSICS

GOVERNMENT DEGREE COLLEGE, LUXETTIPET

DEPARTMENT OF PHYSICS

Report of Field Visit

DATE: 18.01.2020

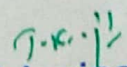
The students of B.Sc were taken to field visit to Polasa Agriculture Research Station, situated in Polasa, Jagityal District. The institute has good Physics instrumentation for scientific study of climatic changes. The study of following instruments was demonstrated by the scientists at the institute:

1. **Anemometer:** An anemometer is an instrument that measures wind speed and wind pressure. Anemometers are important tools for meteorologists, who study weather patterns. They are also important to the work of physicists, who study the way air moves.
2. **Wind Vane:** The directions and intensity of winds can be measured by a wind vane. It is used to provide weather information. The wind can predict the intensity of storm. It is used in navigation purpose during sailing the boat.

There were two types of rain measuring instruments at the research station

3. **Non-recording type rain gauge:** Non-recording gauges don't record the rain but only collect the rain. Once the rain is collected, then it is measured by using a graduated cylinder. The volume of rain measured in the measuring cylinder directly represents the rainfall volume in cm of water depth i.e. the volume of water collected in cm^3 divided by area of the aperture (hole i.e. opening that admits water) of the gauge in cm^2 is equal to the depth of rainfall in cm.
4. **Recording type rain gauge:** This type of recorder has a float which is attached to a pen for recording. The pen marks on the special graph paper the amount of rainfall. Hence there is continuous recording of rainfall like a strip chart recorder. Precipitation can also be measured by the rain gauge.

The visit was found to be very useful as the students were made aware about the working principle of the above listed instruments. The data given by the instruments play a vital role for the farming community. The physics behind the working of the instruments was well understood by the students.


Principal
Govt. Degree College,
Luxettipet-504 215