

Meghanasree agencies

(A unit of RBR CONSTRUCTIONS)

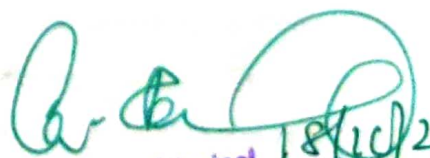
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This is to certify that the following students of YAGCW has completed 15 days Internship on instrumentation used in soil testing from 3-10-2021 to 17-10-2021. This program is based on mou of collaboration between both parties for this year.

List of students participated

Name of the student	Name of the student
D.HIMAJA	N.SIVATHULASI
SK.KARISHMA	K.JYOTHSNA
G.LAVANYA	G.LAVANYA
P.NAVYAJYOTHI	V.NANDINI
D.RUTHI	K.LAKSHMI DURGA
K.SAILAJA	K.HEMANI
V.MAHESWARI	K.NEHARIKA
MD.FARMIDA BEGAM	M.SUPRIYA
K.PRIYANKA	G.VINEELA
M.NEELIMA	D.KUSUMA
Y.JOY ANGEL	G.SWATHI
Y.SAILAJA	D.HARSHADEEPIKA
T.RIBKA	SK.JASMINE
N.VIJAYAKUMARI	K.PRATYUSH
M.MOUNICA	P.ANNA PURNA




Principal
Y.A. Govt. Degree College for Women
CHIRALA, Praksam Dist., (A.P.)
18/10/21

DEPARTMENT OF CHEMISTRY

YAGC W CHIRALA

REPORT ON

10 DAYS RESIDENTIAL INTERNSHIP PROGRAMME ON INSTRUMENTATION CONDUCTED BY MEGHANASREE AGENCIES

START DATE: 03/10/2021

END DATE :17/10/2021

Department Of Chemistry YAGC W Chirala Accommodated Bsc Students Of The Academic Year 2021-2022 .For 10 Days Residential Internship Programme On Instrumentation Conducted By Meghanasree Agencies(soil testing laboratories)located in Industrial Estate ,Venkata Chalam ,Nellore.

Activity: Training In testing the suitability of soil for agriculture as well as construction of multistoried buildings.

Objective: To study the physical properties of soil. To provide a technical platform to the students regarding instrumentation and interpretation of instrumental outputs.

Outcome:Students participated got awareness regarding different types of soil tests as follows

1.Physical properties

The physical properties of soil, in order of decreasing importance for ecosystem services such as crop production, are **texture, structure, bulk density, porosity, consistency, temperature, colour and resistivity**.

2..Soil pH: Most soils have pH values between 3.5 and 10. In higher rainfall areas the natural pH of soils typically ranges from 5 to 7, while in drier areas the range is 6.5 to

3. Soils can be classified according to their pH value: 6.5 to 7.5—neutral.

3.Atterberg limits tests.

The Atterberg limits test is a classification test used to determine the moisture content at which fine-grained clay and silt soils transition between the different phases. The test for Atterberg limits is performed on the fraction of soil that will pass through a No. 40 or 425 μ m or 0.425mm sieve as per ASTM D 4318-00.

4. Specific gravity of soil.

The specific gravity of the soil particles lie with in the range of 2.65 to 2.85. Soils containing organic matter and porous particles may have specific gravity values below 2.0. Soils having heavy substances may have values above 3.0.

Students participated: Copy enclosed



Training in soli testing by using Atomic Absorption Spectrometry





Demonstration on atomic absorption spectroscopy.



C. P. 17/12/21
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