

Janta Shikshan Prasarak Mandal's
Marutraoji Ghule Patil
Arts, Commerce & Science College,
Nagapur (M.I.D.C.) Ahmednagar

CERTIFICATE

Department of Zoology

Date : 20/5/2022

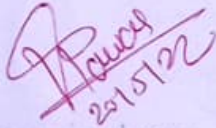
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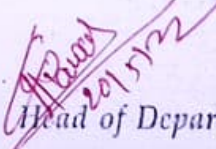
M./Mrs./Miss Shinde Nikita Balu

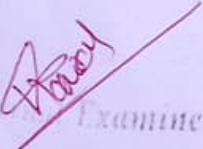
F.Y./S.Y./T.Y. B.Sc. (^{Botany}~~Zoology~~) has completed the Practical Course

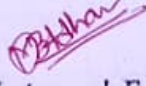
in Botany Satisfactorily During year -- 2021-22-----

as per University Syllabus. Seat No. of Student-----


Professor in charge


Head of Department


Ext. Examiner


Internal Examiner



Name: Shinde Nikita Balu .

College: Marutraoji Ghule Patil Arts, Com. & Sci. college, Ahmednagar.

Roll No: 36.

Project teacher: Prof. Pawar.V.S,
Prof. Adhav.M.B.

Subject : Botany, (Field Visit Report).

FIELD VISIT REPORT



Savitribai Phule Pune University affiliated Maruthra-
vji Ghule patil Art's, Commerce & Science college,
Ahmednagar, Department of Botany organized field
visit at 'Dnyaneshwar Krushi Vidnyan farm' Bhende's,
Vermicomposting unit on 7th May 2022 at 11:00 AM.
We 47 students participated in this visit.

We reached at the unit on 11:00 AM B.D. Tak-
head of the unit formation about the different
parts of this unit he also guided the students
to use the biofertilizers instead of other fertilizers.
In today condition, there is need to use of bioferti-
lized to increase the health of soil also he provide
any opportunity training programme in their unit for
those students which are interested.

In biofertilize production unit D.G. Nawale
gave information about the equipments used during
production of biofertilizers. He told the uses & principles
of equipments like Autoclave, Laminar Air Flow,
Shaker, centrifuge machine, Binocular microscope,
compound microscope, even etc. Two types of
autoclave & horizontal autoclave. Autoclaves used
for sterilization purpose. It is a machine
that uses steam under pressure to kill harmful
bacteria, virus fungi & spores on items that
are placed inside the pressure vessel.

The items are heated to an appropriate
sterilization temperature for a given amount of
time. Laminar Air works by the use of inwards.

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flow of air through one or more HEPA filters to create a particulate free env. It is used in many life science research, plant tissue culture, etc. Shaker used to mix, blend or agitate substances in a tube or flask by shaking them. Centrifuge machine used in various laboratories to separate fluids, gases or liquids based on density. Compound microscope used to count colonies and even also used to sterilize waste, dissecting instruments media for aseptic assay.

B.K. Pare guide students about testing of soil and water. He gave information about which parameters should checked during testing of soil. pH, EC, carbon, Saturation, Percentage, soil, texture, Nitrogen, phosphorus and Potassium. these parameters are checked while testing. He told about how the soil sample is taken, which methods are used while collecting the samples. Also gave information about how can we keep soil healthy.

He told about principle & working of the equipments used in the soil testing lab soil testing kits, Pentrometers, Density Guage, cone penetrometer, soil samplers, soil testers, etc. Equipments were present. He also guided students to increase soil quality, fertility and health.



For their valuable guidance to students B.O Takle
D.G. Hawale and B.K Pare felicitated by Prof. Pawar
V.S and Prof. Adhav M.B under the guidance of Dr.
A.K. Pandarkar field visit was completed.

~~Harvey~~

.....Thank You 😊