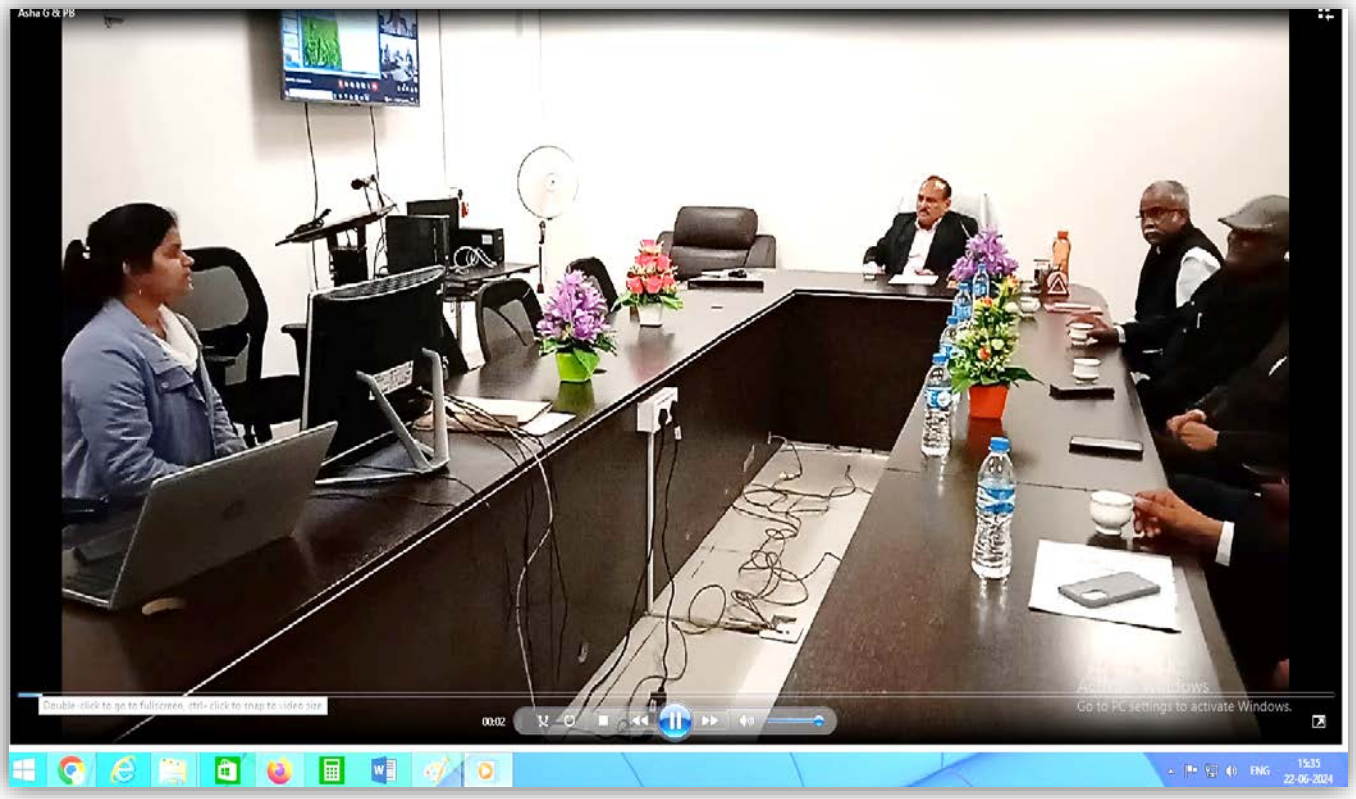
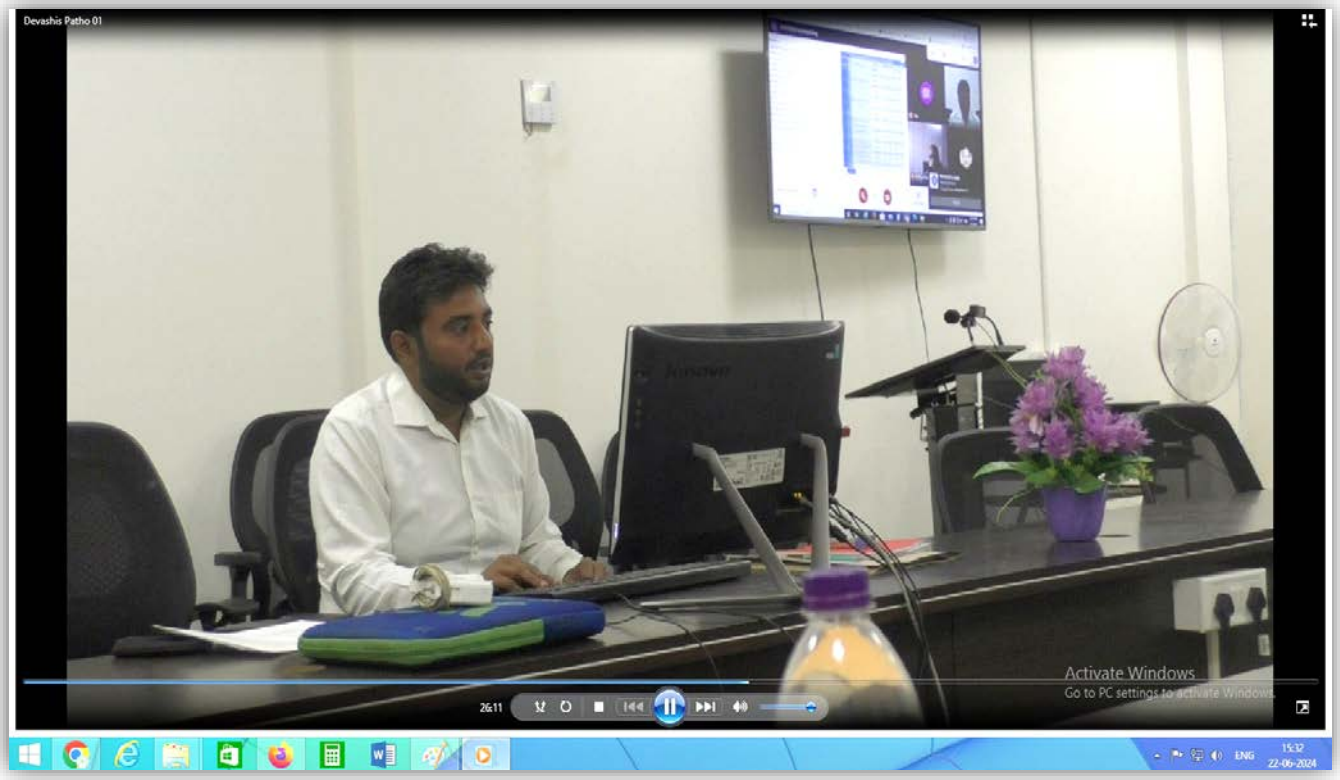
4.3.3:

Institution has the following Facilities for e-content development and other resource development

1.
Item No. 4.3.3(1)
Audio visual center, mixing equipment, editing facilities and Media Studio

Video Recording system





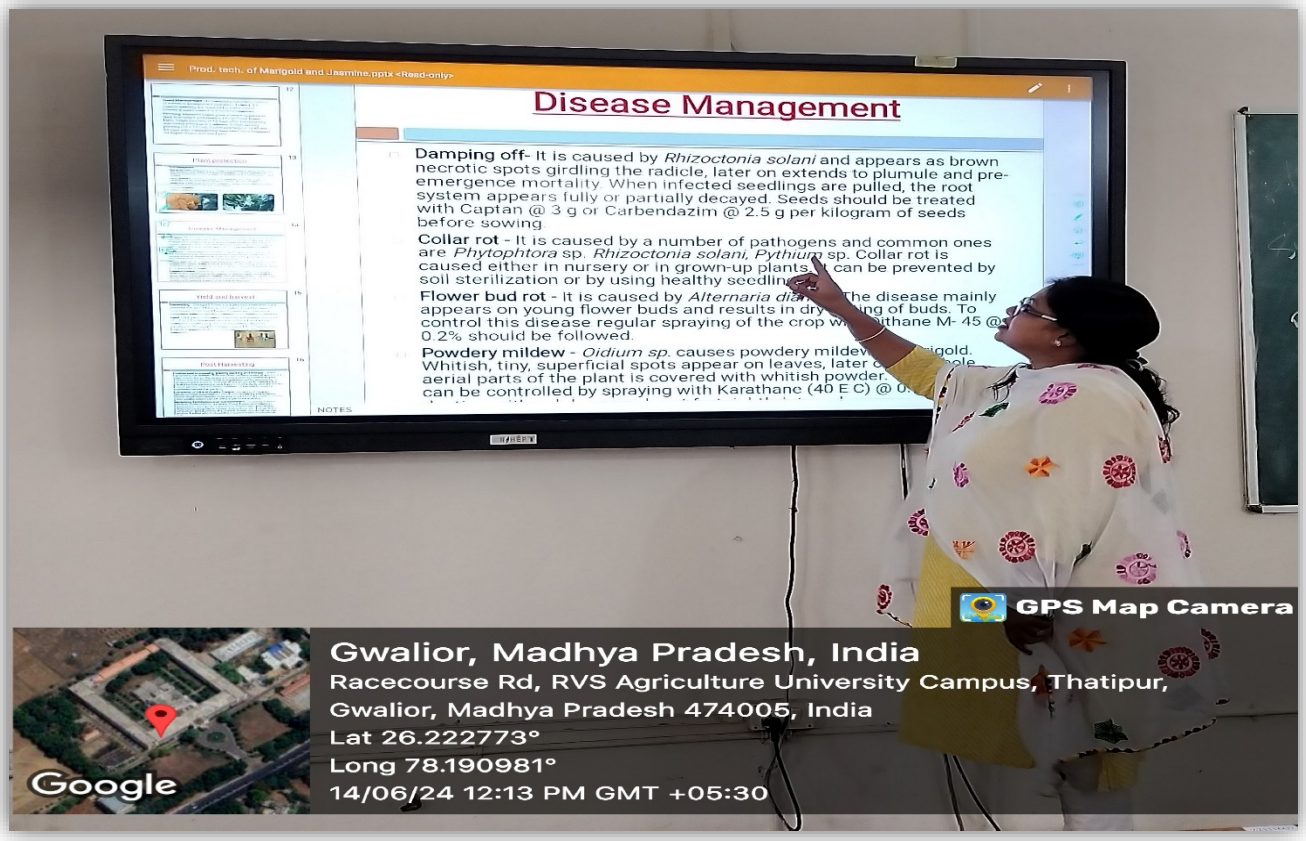
AHUJA PA MIXER FMX-106 4 CHANNEL

Ahuja PA Mixer Amplifier Model SSA-250M

Ahuja AWM-495V2 Dual Hand wireless Microphone

Electronic Podium

Smart Class rooms



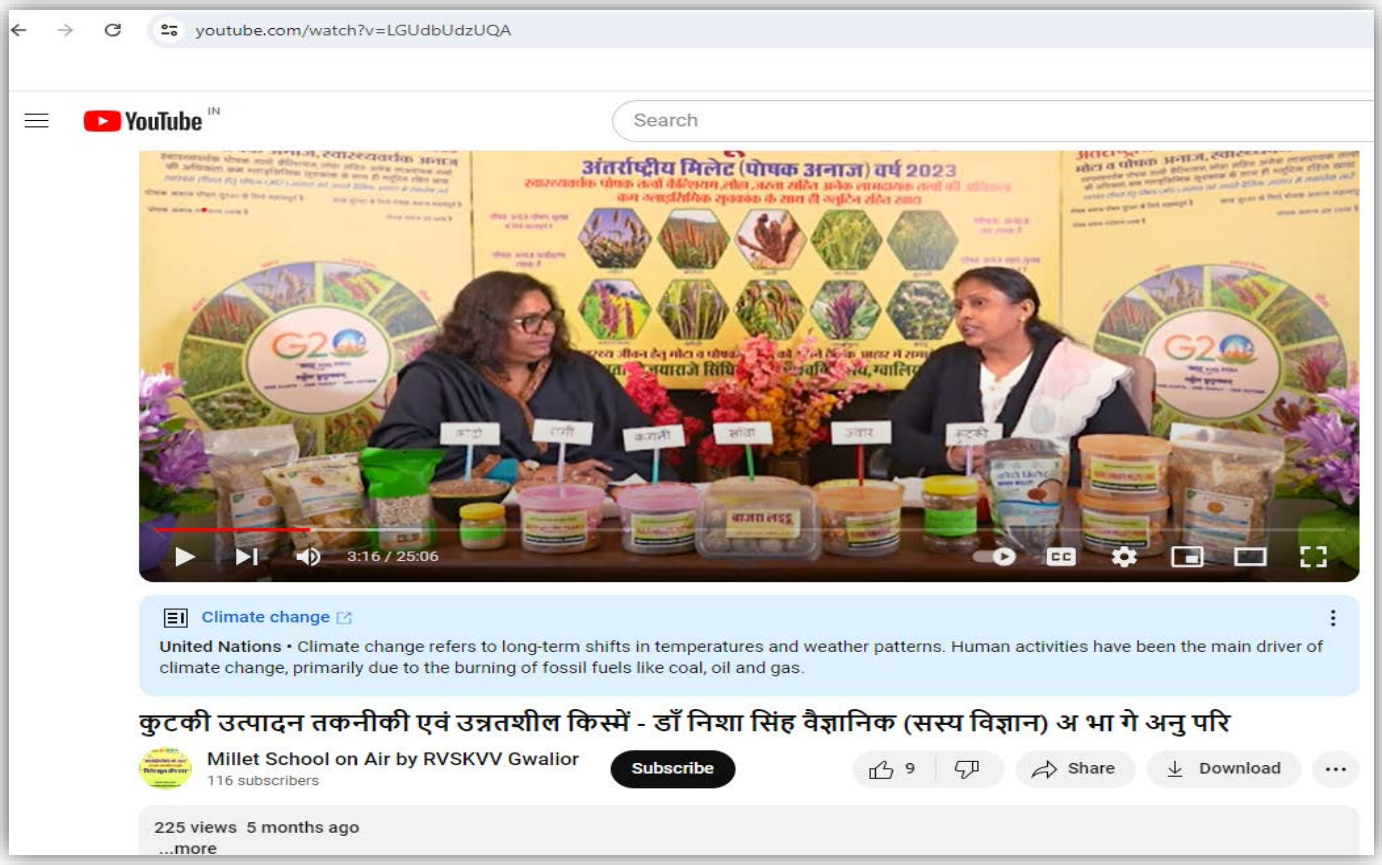
Virtual Class rooms

AR and VR Lab


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
659X+PCQ, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.219604°
Long 78.198388°
13/06/24 04:24 PM GMT +05:30
Google

4.3.3 Audio visual center

Media Chenal



2.

Item No. 4.3.3(2)

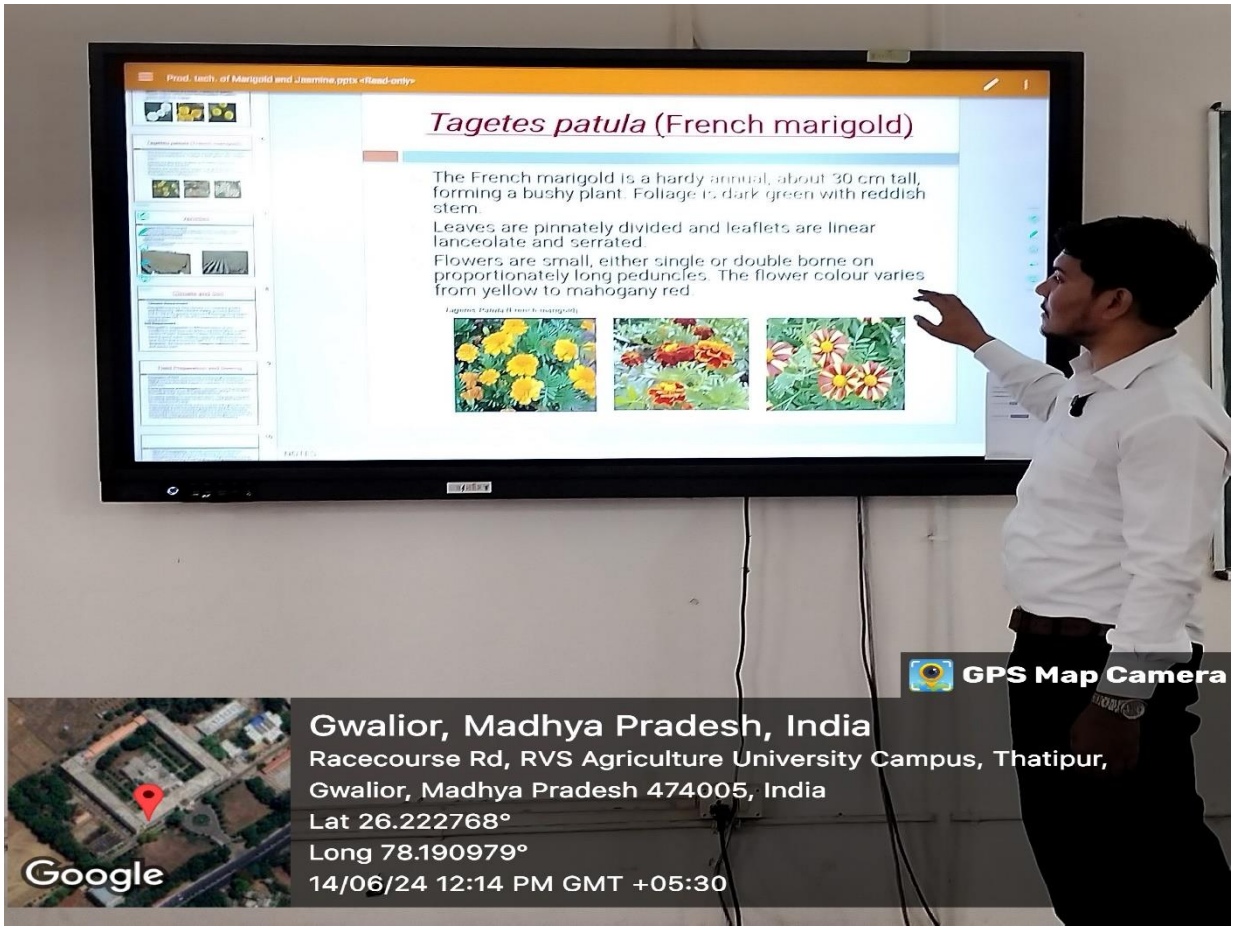
Lecture Capturing System

Lecture capturing System (LCS)


COLLEGE OF AGRI
GWALIOR (M.
Rajmata Vijayaraje Scindia Krishi
Vidyalaya


COLLEGE OF A
TURE
GWALIOR
Rajmata Vijayaraje Scindia
wa Vidyalaya


GWALIOR, M.P.
tion:
ng NAAC
VALIOR (M.P.)
GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+H6W, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh
474011, India
Lat 26.223614°
Long 78.190998°
19/06/24 12:51 PM GMT +05:30
Google


Tagetes patula (French marigold)
The French marigold is a hardy annual, about 30 cm tall, forming a bushy plant. Foliage is dark green with reddish stem.
Leaves are pinnately divided and leaflets are linear lanceolate and serrated.
Flowers are small, either single or double borne on proportionately long peduncles. The flower colour varies from yellow to mahogany red.
GPS Map Camera
Gwalior, Madhya Pradesh, India
Racecourse Rd, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474005, India
Lat 26.222768°
Long 78.190979°
14/06/24 12:14 PM GMT +05:30
Google


GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+4C7, Racecourse Rd, RVS Agriculture University Campus,
Thatipur, Gwalior, Madhya Pradesh 474011, India
Lat 26.222775°
Long 78.190717°
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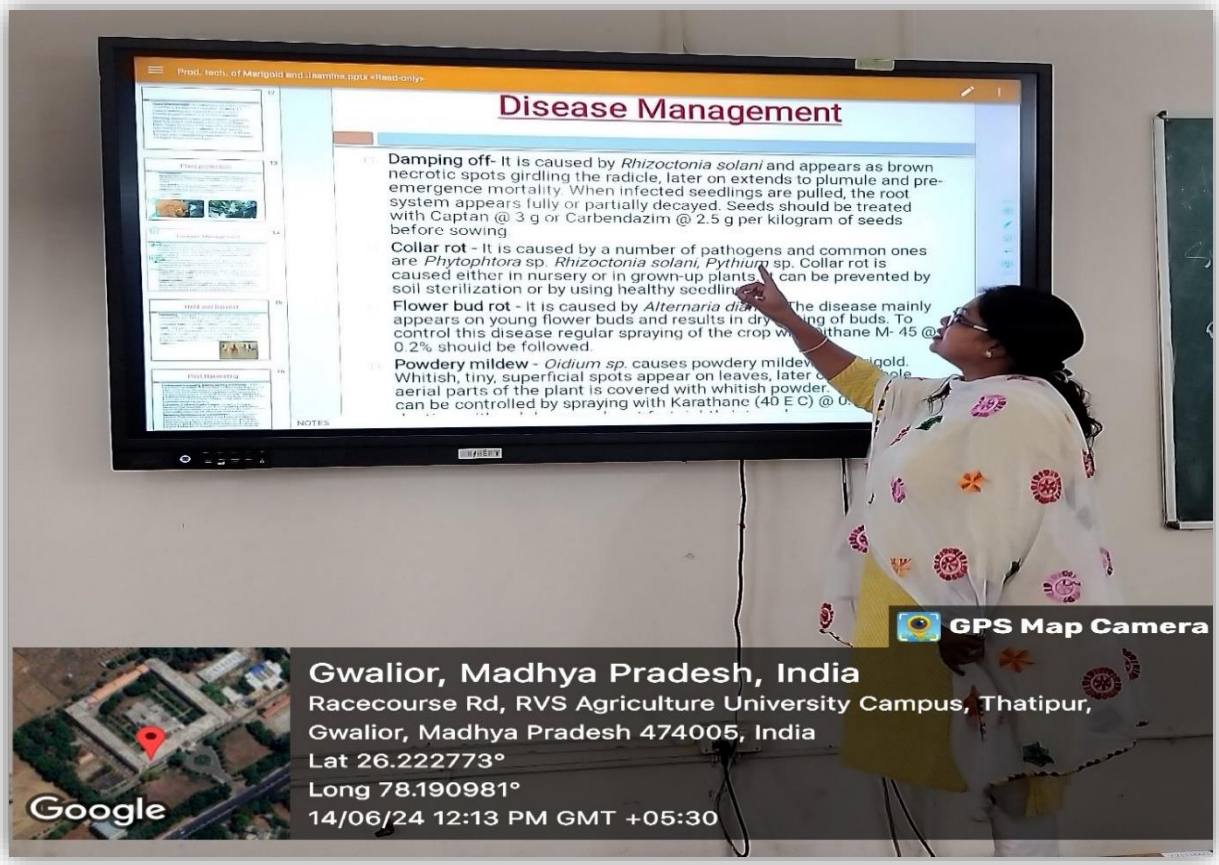
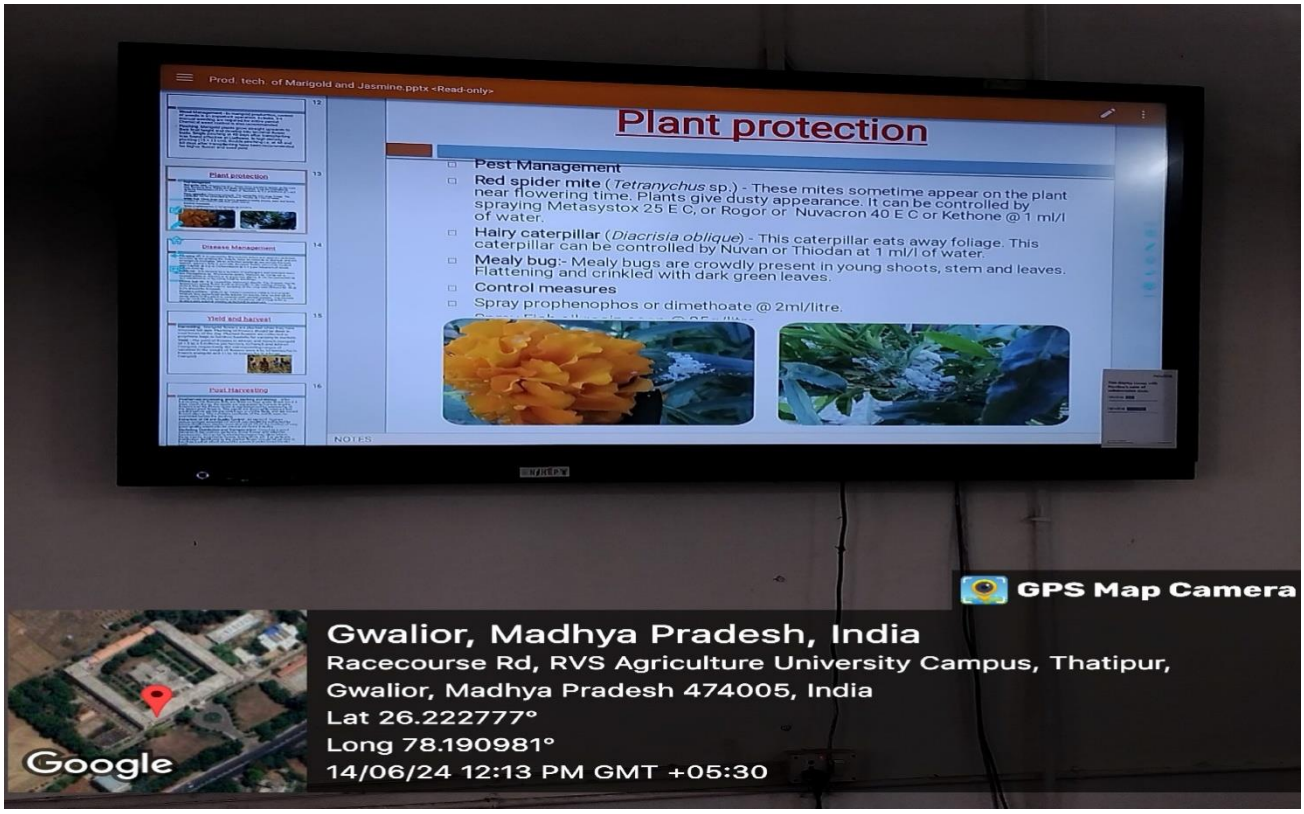
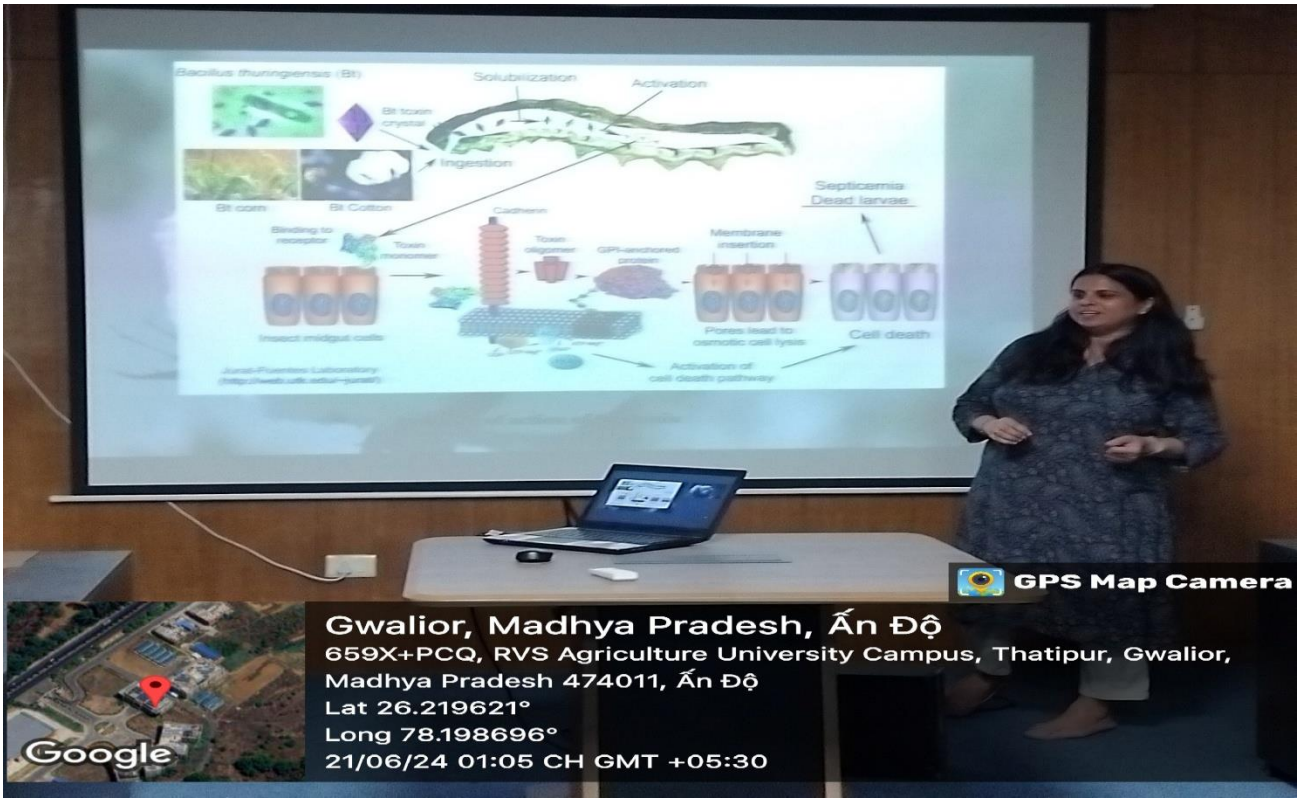
Google


Disease Management
Damping off- It is caused by Rhizoctonia solani and appears as brown necrotic spots girdling the radicle, later on extends to plumule and pre-emergence mortality. When infected seedlings are pulled, the root system appears fully or partially decayed. Seeds should be treated with Captan @ 3 g or Carbendazim @ 2.5 g per kilogram of seeds before sowing
Collar rot - It is caused by a number of pathogens and common ones are Phytophtora sp. Rhizoctonia solani, Pythium sp. Collar rot is caused either in nursery or in grown-up plants, can be prevented by soil sterilization or by using healthy seedlings
Flower bud rot - It is caused by Alternaria dia... The disease mainly appears on young flower buds and results in dry... of buds. To control this disease regular spraying of the crop w... thane M- 45 @... 0.2% should be followed.
Powdery mildew - Oidium sp. causes powdery mildew... gold. Whitish, tiny, superficial spots appear on leaves, later... aerial parts of the plant is covered with whitish powder... can be controlled by spraying with Karathane (40 E C) @ 0...
GPS Map Camera
Gwalior, Madhya Pradesh, India
Racecourse Rd, RVS Agriculture University Campus, Thatipur,
Gwalior, Madhya Pradesh 474005, India
Lat 26.222773°
Long 78.190981°
14/06/24 12:13 PM GMT +05:30
Google


Prod. tech. of Marigold and Jasmine.pptx <Read-only>
Plant protection
Pest Management
Red spider mite (Tetranychus sp.) - These mites sometime appear on the plant near flowering time. Plants give dusty appearance. It can be controlled by spraying Metasystox 25 E C, or Rogor or Nuvacron 40 E C or Kethone @ 1 ml/l of water.
Hairy caterpillar (Diacrisia oblique) - This caterpillar eats away foliage. This caterpillar can be controlled by Nuvan or Thiodan at 1 ml/l of water.
Mealy bug:- Mealy bugs are crowdly present in young shoots, stem and leaves. Flattening and crinkled with dark green leaves.
Control measures
Spray prophenophos or dimethoate @ 2ml/litre.
NOTES
GPS Map Camera
Gwalior, Madhya Pradesh, India
Racecourse Rd, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474005, India
Lat 26.222777°
Long 78.190981°
14/06/24 12:13 PM GMT +05:30
Google


Bacillus thuringiensis (Bt)
Solubilization
Activation
Ingestion
Septicemia
Dead larvae
Cadherin
Membrane insertion
Pores lead to osmotic cell lysis
Cell death
Activation of cell death pathway
GPS Map Camera
Gwalior, Madhya Pradesh, Ấn Độ
659X+PCQ, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474011, Ấn Độ
Lat 26.219621°
Long 78.198696°
21/06/24 01:05 CH GMT +05:30
Google

3

Item No. 4.3.3(3)

Central Instrumentation Centre

Name of Equipment: BOD Incubator

Application: A BOD (Biochemical Oxygen Demand) incubator is a specialized laboratory equipment used in measuring the amount of oxygen consumed by microorganisms in water or wastewater samples

Name of Equipment: Cylindrical Autoclave

Application: Autoclaves operate at high temperature and pressure in order to kill microorganisms and spores. They are used to decontaminate certain biological waste and sterilize media, instruments and lab ware.

Name of Equipment: Rectangular Autoclave

Application: Autoclaves operate at high temperature and pressure in order to kill microorganisms and spores. They are used to decontaminate certain biological waste and sterilize media, instruments and lab ware.

Name of Equipment: Glassware Washing System

Application: A glassware washer, also known as a laboratory glassware washer or an automatic glassware washer, is a specialized appliance used in laboratories, research facilities, and other scientific settings for the automated cleaning and sanitization of glassware and other laboratory utensils.

Name of Equipment: Hot Air Oven

Application: Hot air ovens are laboratory testing equipment that are used to sterilise materials such as glassware, chemicals, and sealed containers. They are also used for drying, baking, curing, and heat-treating various substances

Name of Equipment: Laminar Air Flow Cabinet

Application: A laminar air flow cabinet is used to create a sterile atmosphere for activities like plant tissue culture.

Name of Equipment: Incubator Shaker Innova 42 R

Application: a laminar air flow cabinet is used to create a sterile atmosphere for activities like plant tissue culture.

Name of Equipment: Electronic Analytical Balance

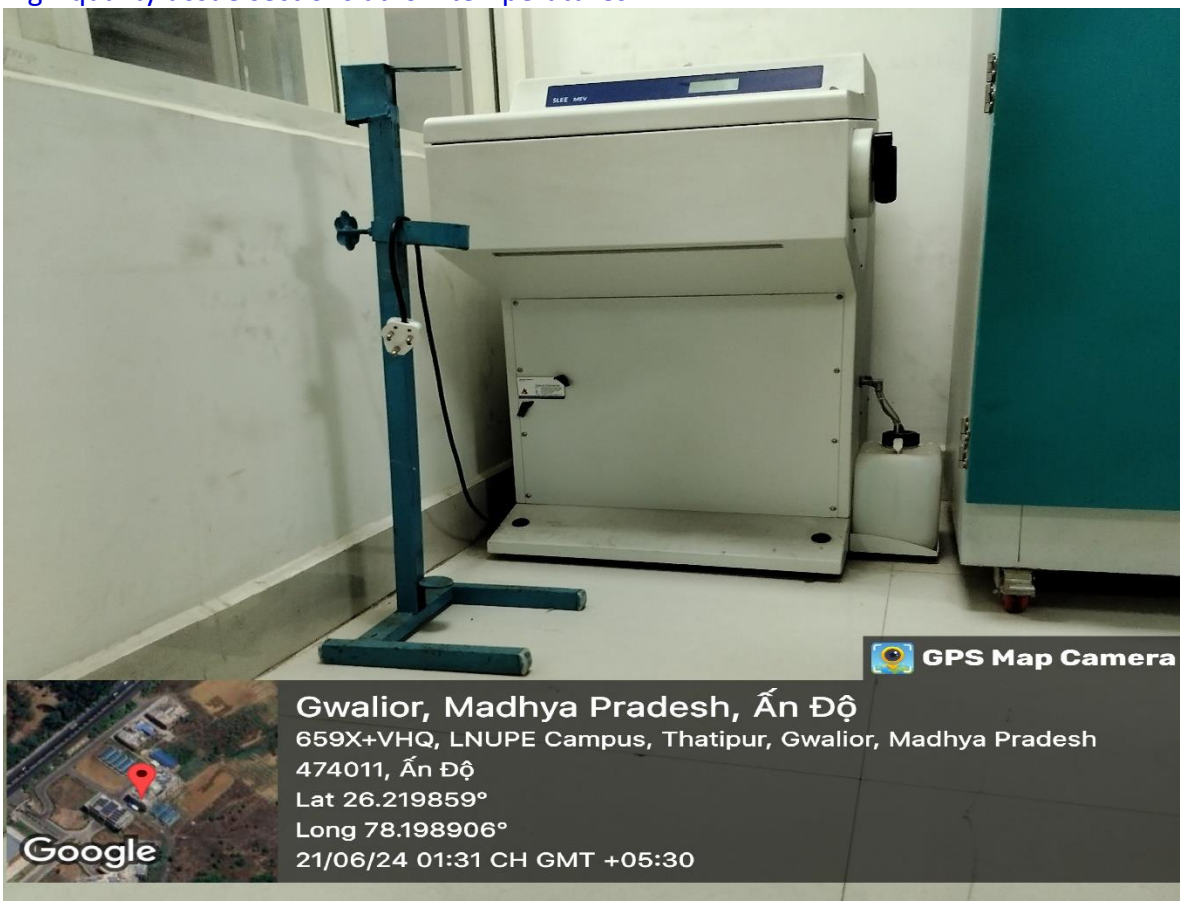
Application: An electronic analytical balance is a highly accurate weighing device used for measuring the mass of small objects or substances with extreme precision

Name of Equipment: Microwave Oven

Application: Microwave ovens are used for heating and defrosting in laboratories.

Name of Equipment: Cryotome

Application: This specialized device allows researchers and pathologists to obtain thin, high-quality tissue sections at low temperatures



Name of Equipment: Deep Freezer -20°c

Application: Cryopreservation: Long-term storage of chemicals, DNA etc

Name of Equipment: Automated Systems for Protein Nucleic Acid

Application: It follows kit based protocols that remove manual steps and reduce overall processing time for DNA/ RNA isolation and increasing the yield reproducibility of your results compared to manual workflows

Name of Equipment: Water bath

Application: The water bath is an essential laboratory equipment used to heat the samples over a while at a constant temperature in research or clinical laboratories. The main distinguishing feature of the water bath is it uses water as media of heat transmission.

Name of Equipment: Gel Documentation System

Application: Gel documentation systems, also known as 'gel docs' or 'gel imagers,' are used to record and analyze the results of gel electrophoresis and membrane blotting experiments.

Name of Equipment: Tissue Lyzer

Application: The TissueLyser provides efficient disruption of biological material in each sample vessel for reproducible, high-quality results in downstream applications such as the purification of total DNA or RNA from a variety of plant tissues

Name of Equipment: Eppendorf Centrifuge

Application: The Centrifuge is used for the separation of aqueous solutions and suspensions of different densities in approved sample tubes.

Name of Equipment: Hybridization oven cum shaker

Application: Hybridization oven/incubator is ideal for sterile laboratory testing and where the integrity of the sample must be preserved while heating it to the exact temperature for the right period of time.

Name of Equipment: DNA Sequencer (NGS Miseq)

Application: Next-generation sequencing (NGS) is a massively parallel sequencing technology that offers ultra-high throughput, scalability, and speed.

Name of Equipment: Electroporator for protoplast fusion

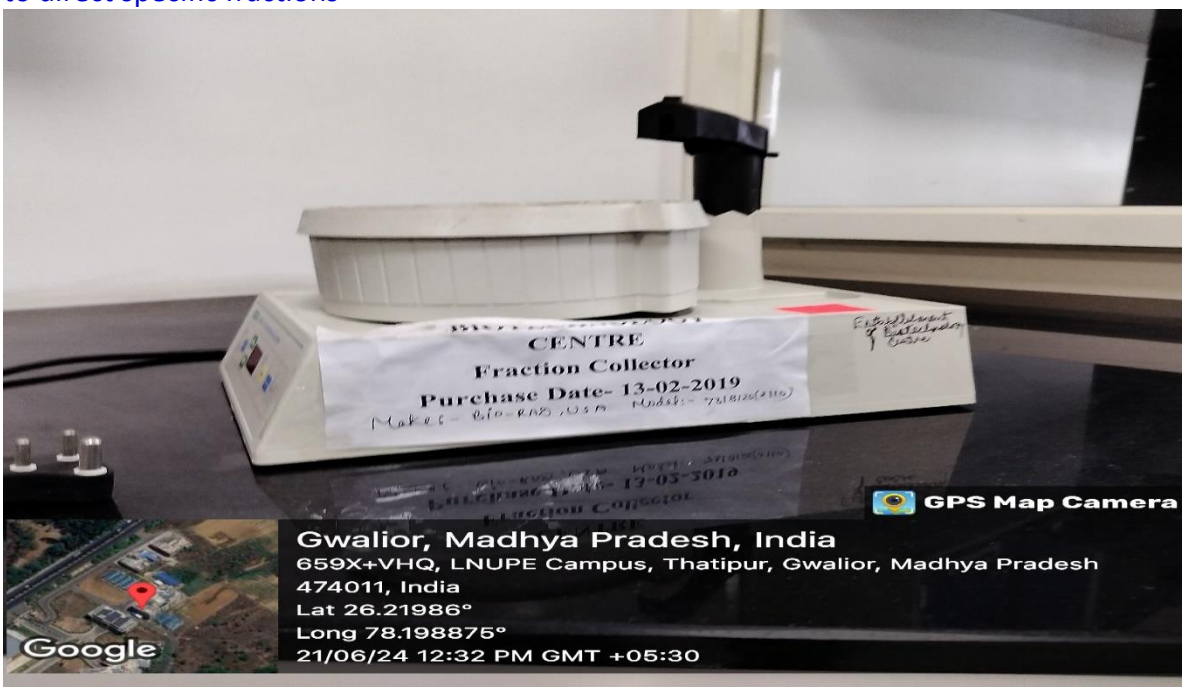
Application: electroporator is used primarily to stimulate the uptake of plasmids for stable and transient genetic transformation

Name of Equipment: Micro volume spectrophotometer

Application: The Micro-volume UV/Vis Spectrophotometer is an essential part of a laboratory, and is often used in the quantification of nucleic acids and proteins

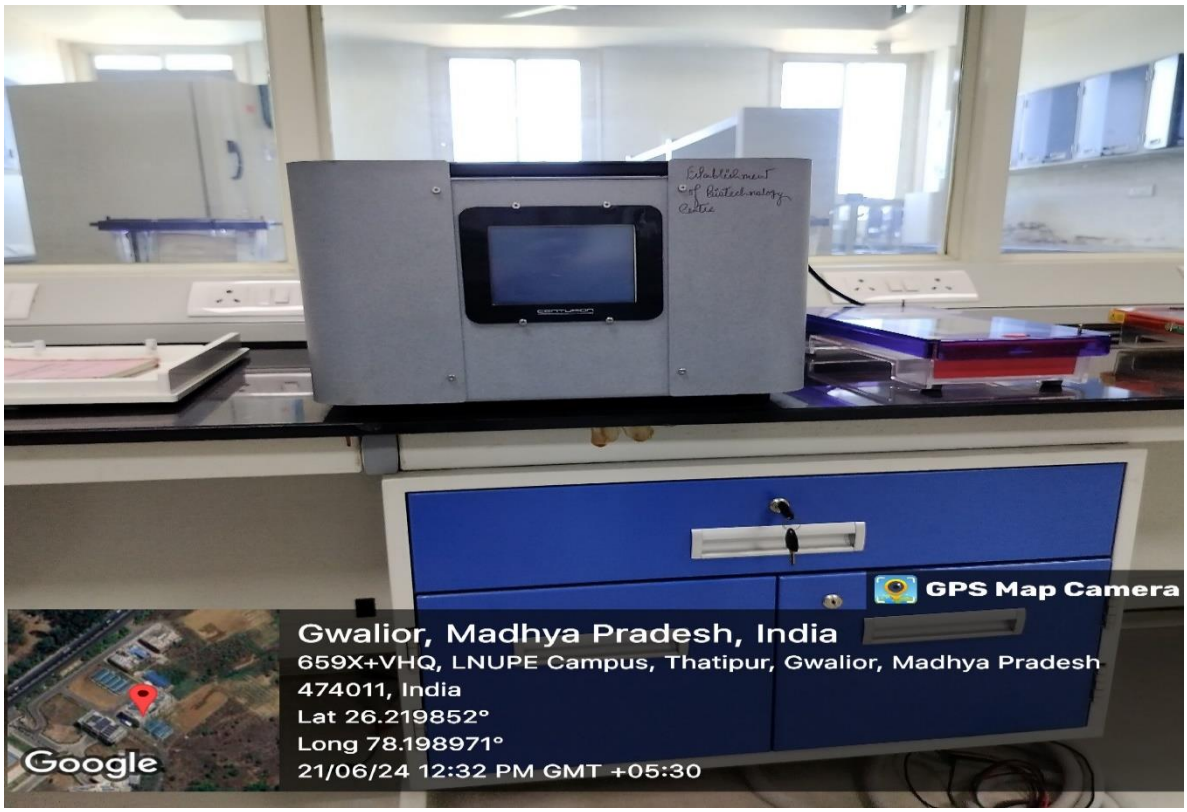
Name of Equipment: Fraction Collector

Application: The fraction collector is typically a rotating rack that can be filled with test tubes or similar containers. It allows samples to be collected in fixed volumes, or can be controlled to direct specific fractions



Name of Equipment: Table Top High Speed Refrigerated Centrifuge

Application: High-speed centrifuges are used in virology and particle research to concentrate, purify, and separate viruses, virus-like particles, and other particulate matter.



Name of Equipment: Gradient Thermal Cycler

Application: They are essential laboratory equipment for researchers who run polymerase chain reactions (PCR) for sequencing, cloning, genotyping, mutagenesis, and many other applications.

Name of Equipment: Deep Freezer-40°c

Application: Research and storage applications such as low-temperature scientific experiments

Name of Equipment: Ultracentrifuge

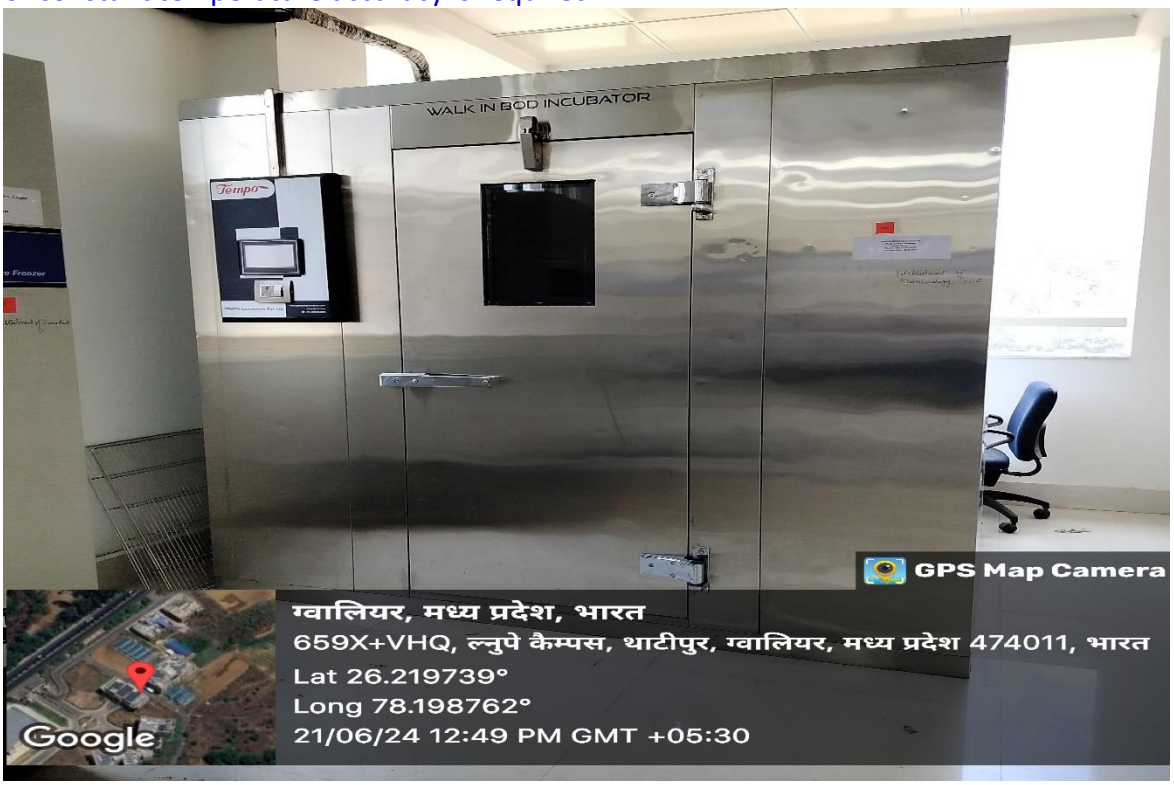
Application: Ultracentrifugation rotates samples at high speeds for high g-force separations. It is being used to purify and characterize low-molecular-weight polymers up to multi-mega Dalton protein complexes and organelles

Name of Equipment: Programmable Controlled Biological Freezer

Application: Freezers are used for cryopreservation of any biological product

Name of Equipment: Walk in BOD Incubator

Application: Walk-In BOD (Bio-Oxygen Demand) incubators are used to maintain temperature for test tissue culture growth, storage of bacterial cultures and incubation where high degree of constant temperature accuracy is required



Name of Equipment: Deep Freezer-80°c

Application: It is used for long term storage of DNA, tissue and other chemicals

Name of Equipment: Deep Freezer-80°c Thermo Revco 900 Series

Application: For long term storage of tissue, DNA, RNA

Name of Equipment: Incubator Shaker

Application: A laboratory incubator shaker is a type of laboratory equipment used to incubate and shake samples at a predetermined temperature and shaking speed.

Name of Equipment: Bigg Boss R.O. System

Application: RO can remove dissolved or suspended chemical species as well as biological substances (principally bacteria), and is used in industrial processes and the production of potable water.

Name of Equipment: Ice Flakers Palleting Machine

Applications: Users can store dry ice for sale and cold chain transportation. In addition, smaller dry ice particles, such as 3mm dry ice particles, are often used as raw materials for dry ice cleaning machines.

Name of Equipment: Liquid Nitrogen Generator

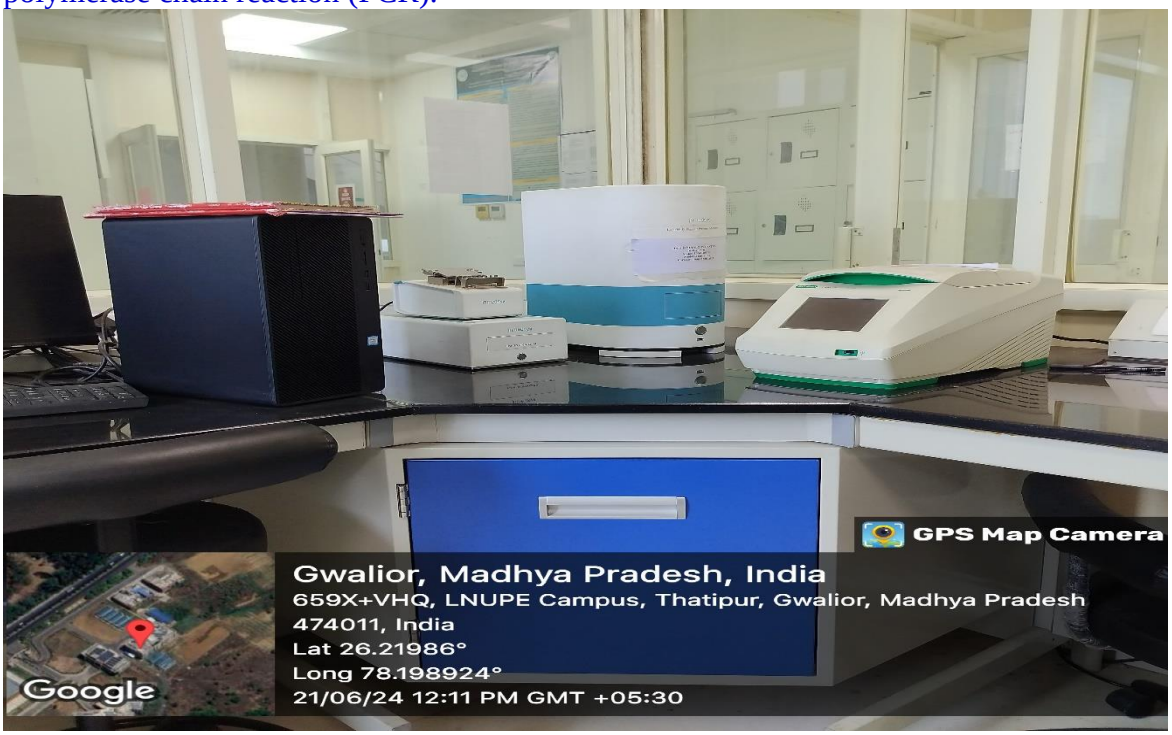
Application: Liquid nitrogen generators consist of a nitrogen gas generator that divides and extracts nitrogen gas from the oxygen molecules in the air. The generator has a cryocooler that is used for turning the nitrogen gas into a liquid by reducing its temperature to below its evaporation point of approx. -195.8 °C (-320 °F) and a vacuum-heat insulated vessel that stores the liquid nitrogen.

Name of Equipment: Ultra Pure Water System

Application: What is Ultrapure Water Used for? UPW is used in the semiconductor and pharmaceutical industries the most, though it's an ideal solution for any work in the lab.

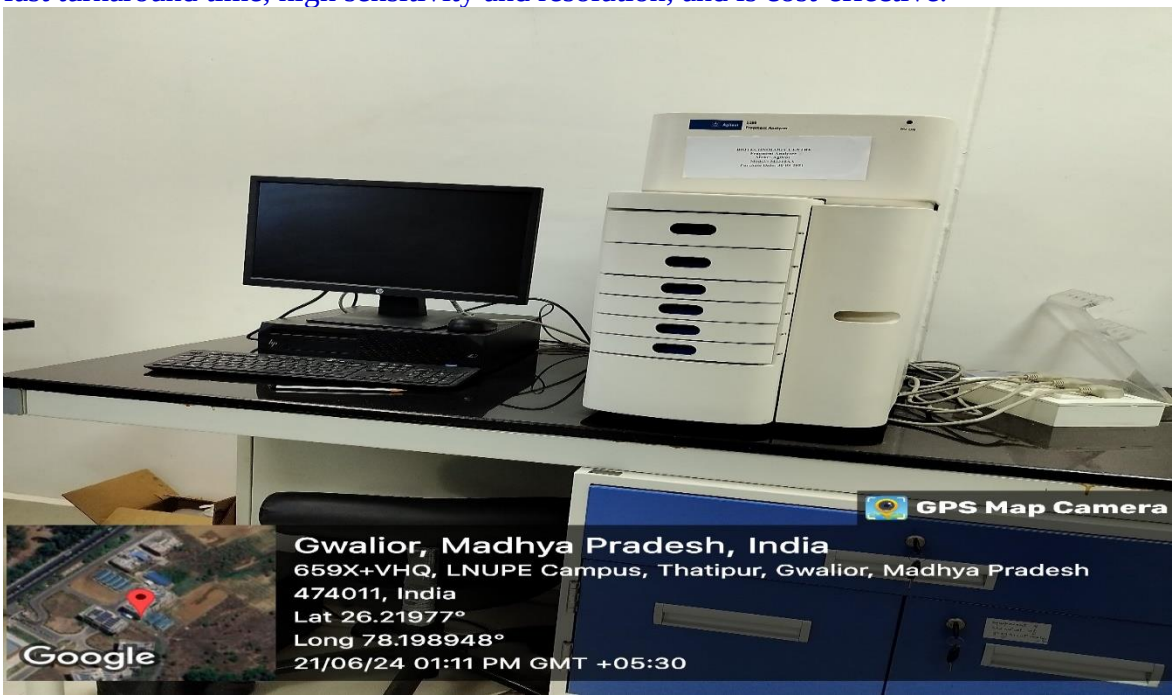
Name of Equipment: Digital PCR, Thermal Cycler

Application: The thermal cycler (also known as a thermocycler, PCR machine or DNA amplifier) is a laboratory apparatus most commonly used to amplify segments of DNA via the polymerase chain reaction (PCR).



Name of Equipment: Fragment Analyzer

Application: Fragment analysis enables a wide variety of applications, including cell line authentication, determination of CRISPR-Cas9 genome editing efficiency, microsatellite marker analysis, SNP genotyping, and more. Fragment analysis has a fast turnaround time, high sensitivity and resolution, and is cost-effective.



Name of Equipment: Bench Top Lypholizer

Application: Bench Top Lyophilizer is applicable for freeze-drying test of laboratory samples and suitable for small amount of production. FD-10-MR include the following types: Regular type, Top-press type, multi-manifold T type and multi-manifold Top-press type.

Name of Equipment: Flow Cytometer

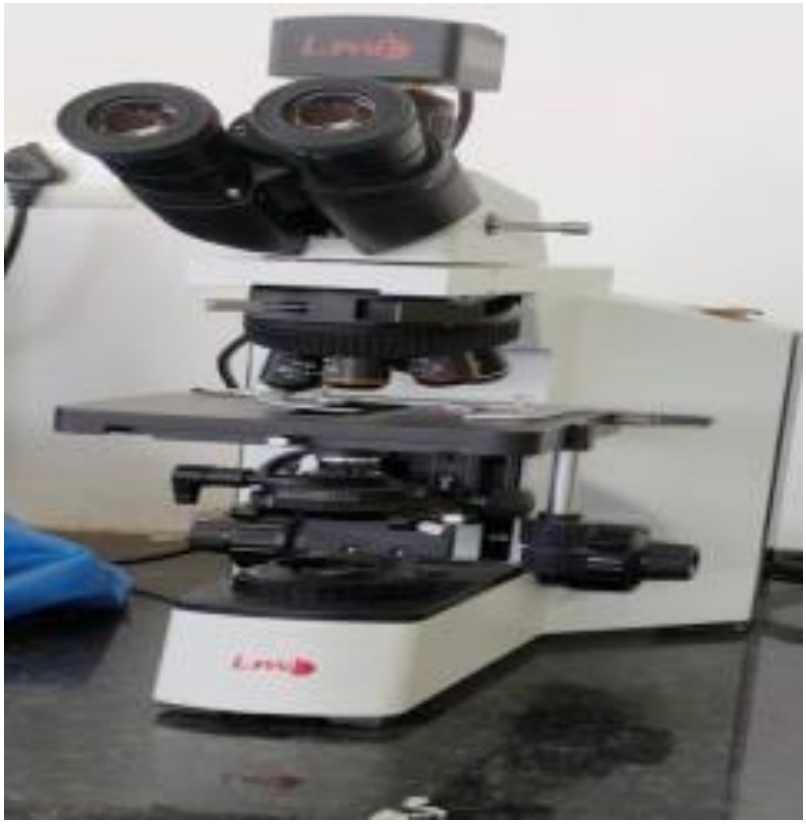
Application: Flow cytometry is a lab test used to analyze characteristics of cells or particles. During the process, a sample of cells or particles is suspended in fluid and injected into a flow cytometer machine.

Name of Equipment: Biomatrix Machine

Application: Use for attendance

Name of Equipment: RT-PCRCFx96 Real Time System

Name of Equipment: Inverted Microscopic with Photographic Attachment



Name of Equipment: Zoom Stereomicroscope with photographic attachment

Name of Equipment: Gel Doc Imager

Name of Equipment: Automated Systems for Protein Nucleic Acid

Name of Equipment: Tissue Lyzer

Name of Equipment: Seed Packing Machine

Quality Control Laboratory

4.3.3 Central Instrumentation Centre

4.3.3 Central Instrumentation Centre

4

Item No. 4.3.3(4)

Animal House

Dairy Farm


GPS Map Camera
Gwalior, Madhya Pradesh, India
नई कांच मील गली नमवर 1, न्यू कांच मील, RVS Agriculture University Campus,
Thatipur, Gwalior, Madhya Pradesh 474004, India
Lat 26.22644°
Long 78.192281°
24/05/24 04:32 PM GMT +05:30
Google


GPS Map Camera
Gwalior, Madhya Pradesh, India
नई कांच मील गली नमवर 1, न्यू कांच मील, RVS Agriculture University Campus,
Thatipur, Gwalior, Madhya Pradesh 474004, India
Lat 26.226417°
Long 78.192284°
24/05/24 04:31 PM GMT +05:30
Google

4.3.3 Animal House

4.3.3 Animal House

4.3.3 Animal House

4.3.3 Animal House

4.3.3 Animal House

4.3.3 Animal House

Poultry Farming (KADAKNATH)

4.3.3 Animal House

4.3.3 Animal House

Goat Farming

Duck Farming

Fish Farming

Honey Bee Farming

Vetrinary Doctor at RVSKVV, Gwalior

4.3.3 Animal House

5

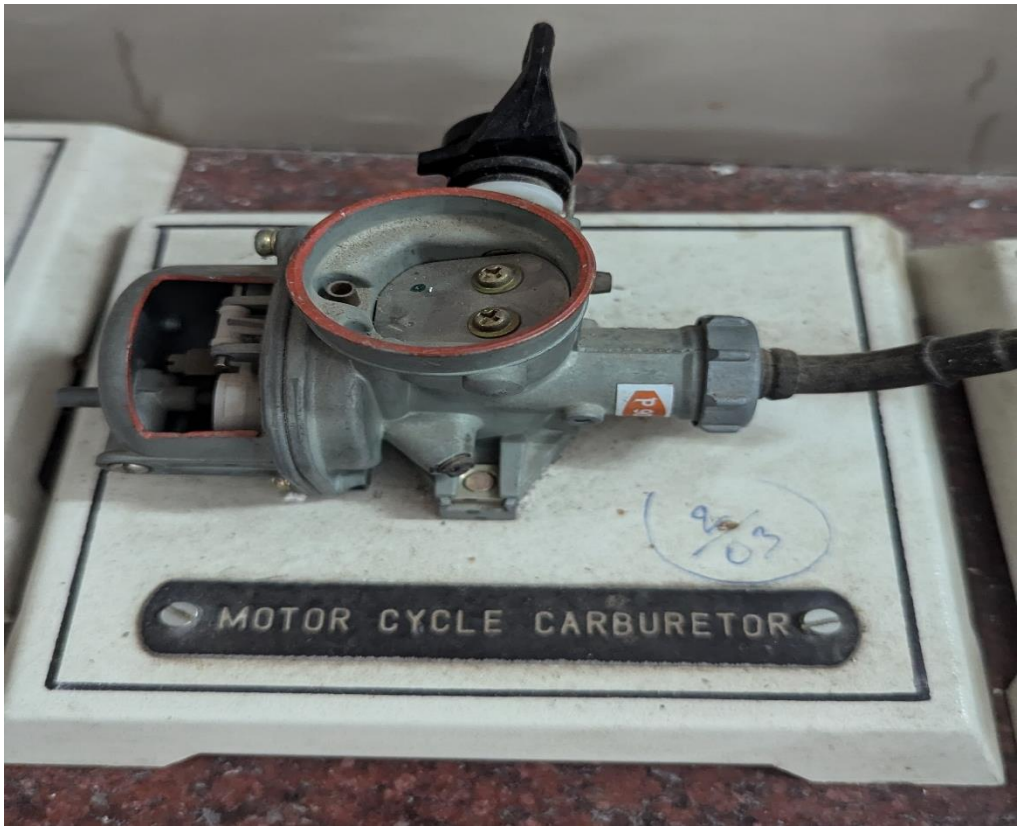
Item No. 4.3.3(5)

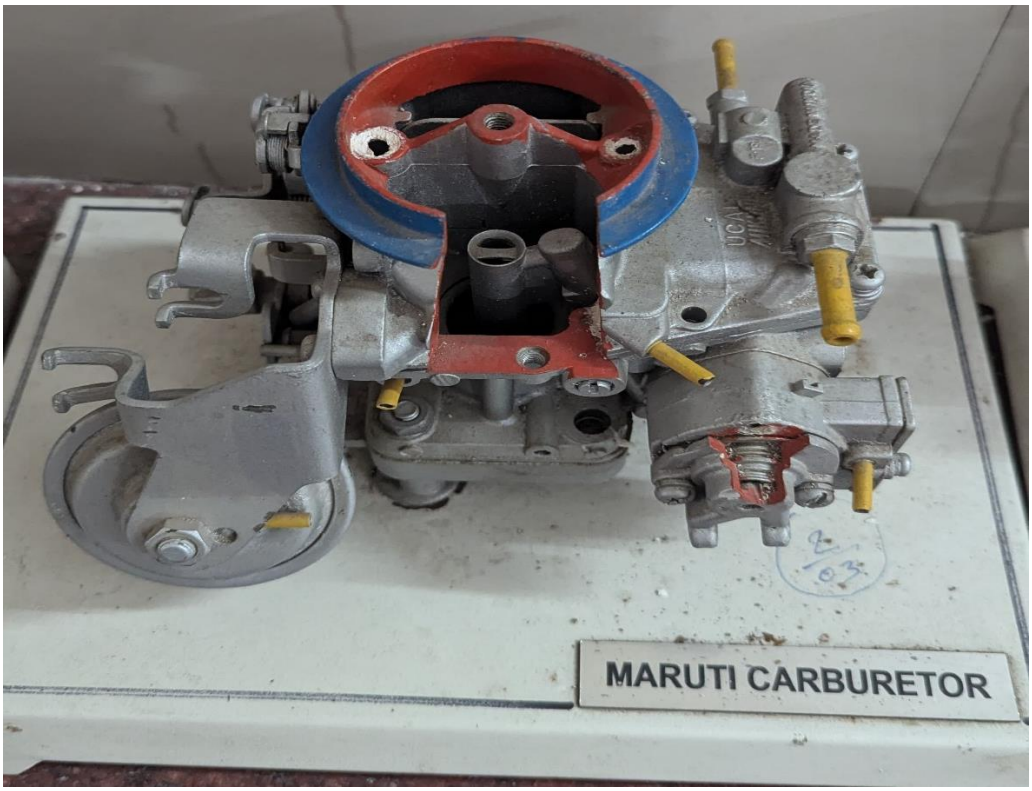
Museum

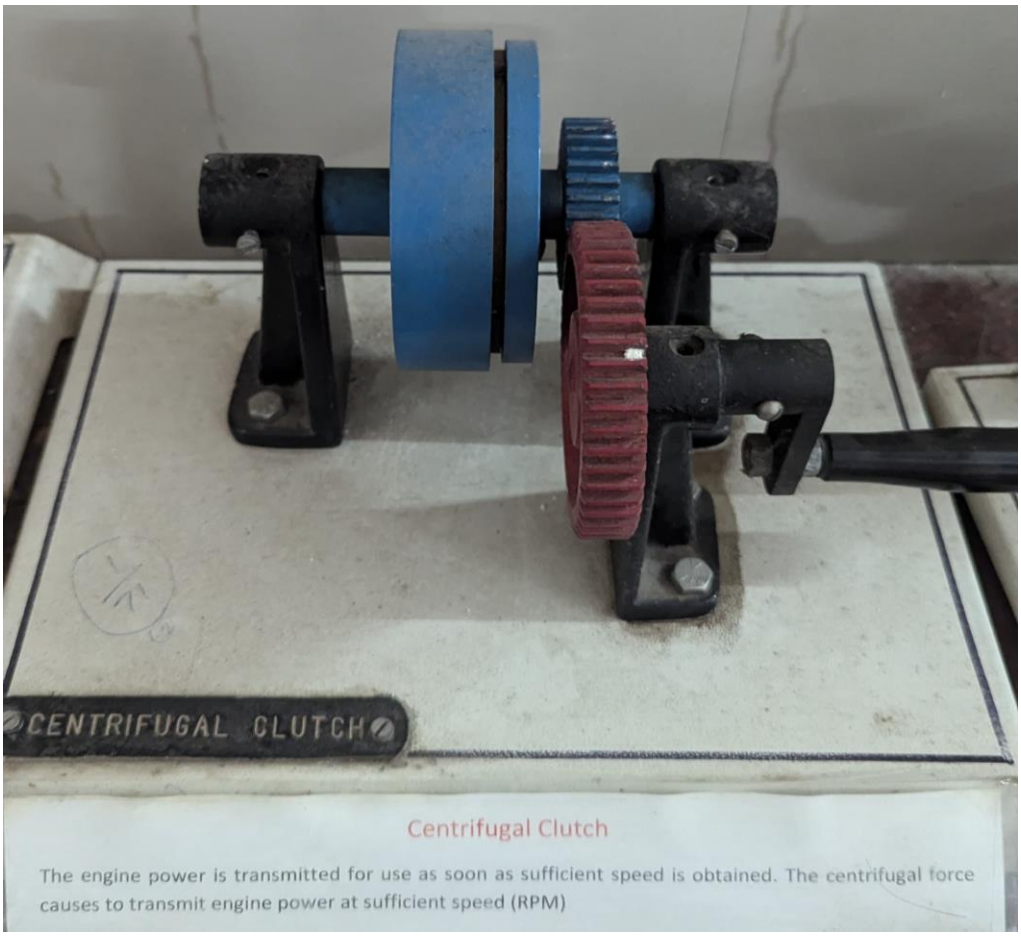
4.3.3 Museum

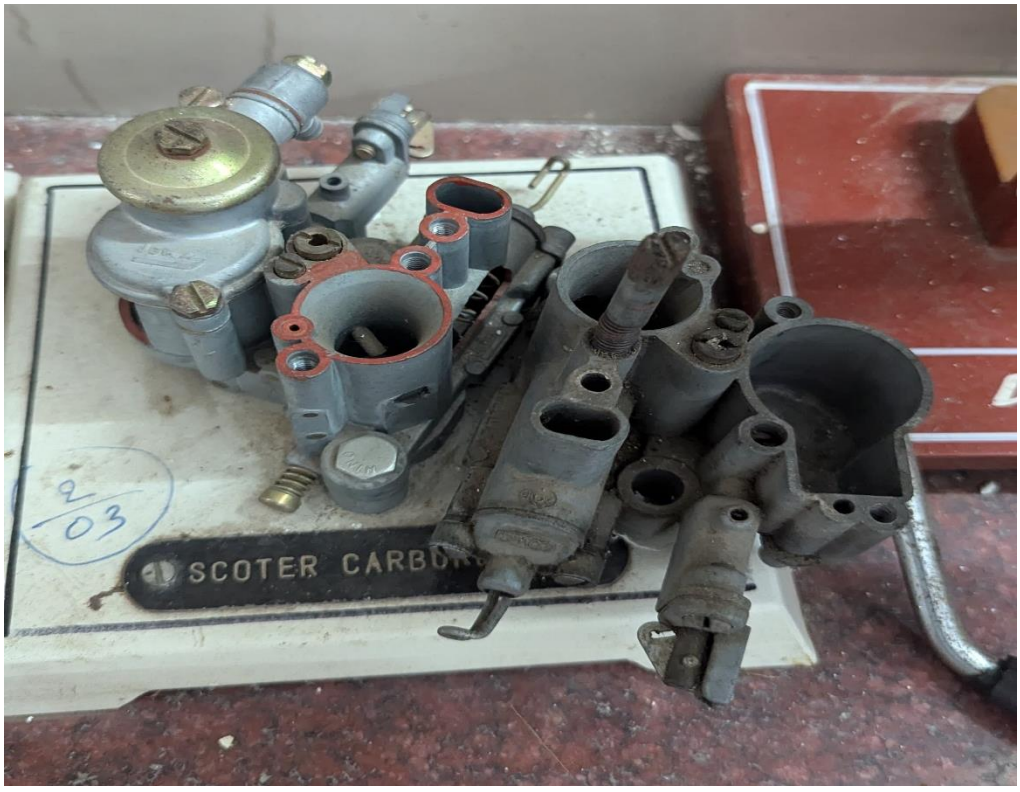
Prototype Equipment of Agricultural Engineering

4.3.3 Museum




MARUTI CARBURETOR

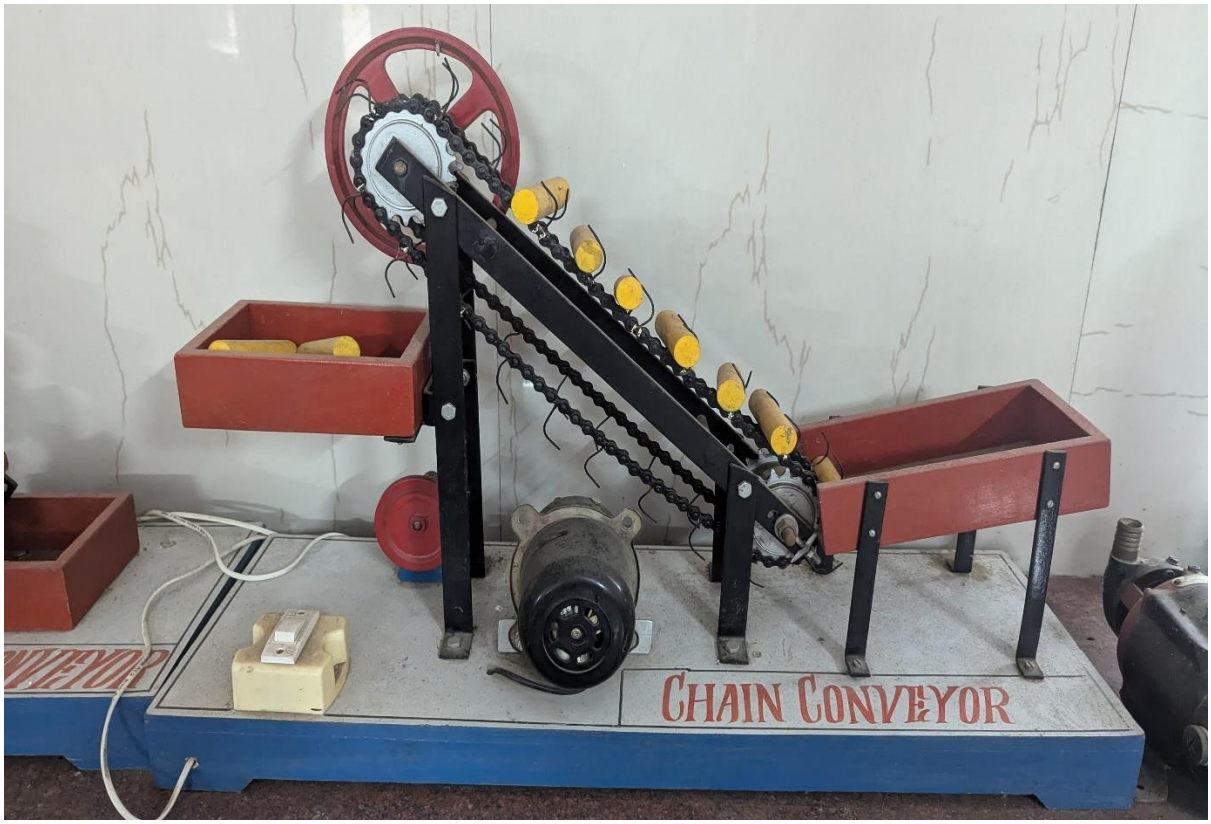

CENTRIFUGAL CLUTCH
Centrifugal Clutch
The engine power is transmitted for use as soon as sufficient speed is obtained. The centrifugal force causes to transmit engine power at sufficient speed (RPM)


SCOTER

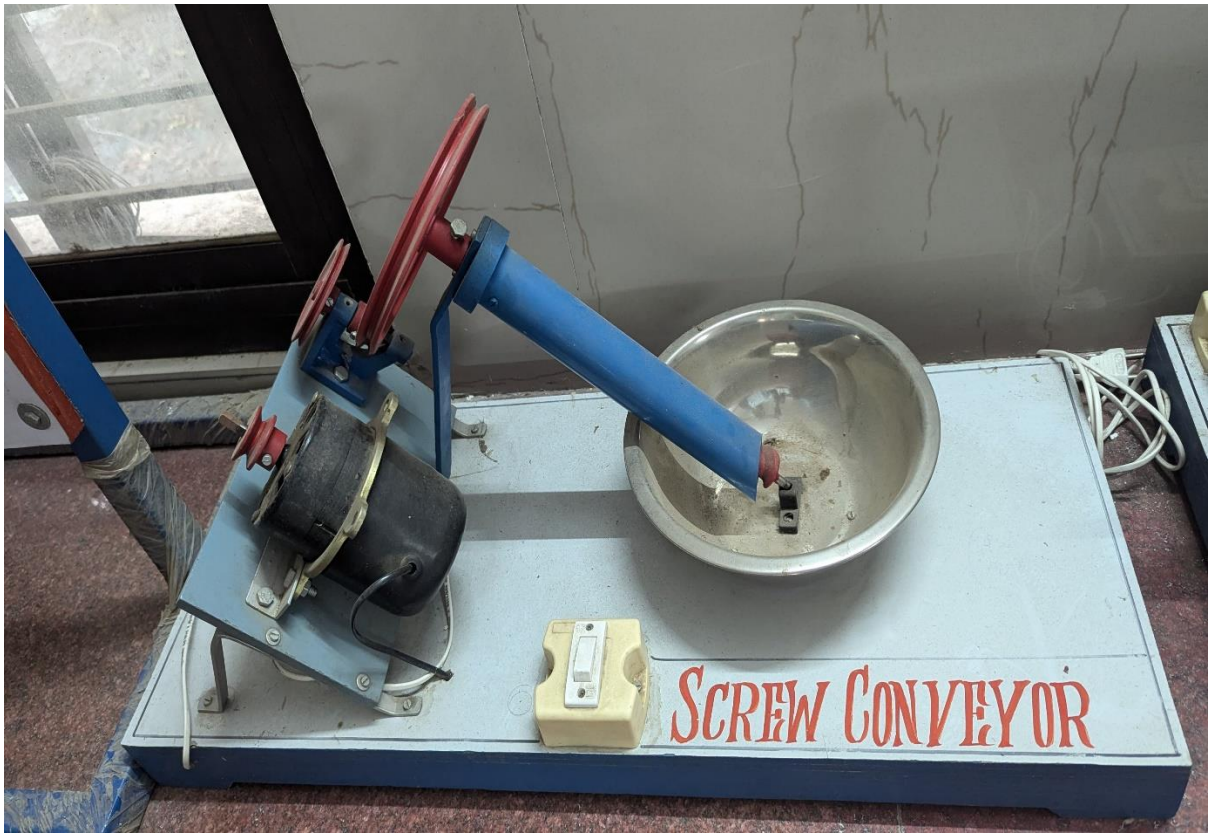

GENERATOR
Generator
e generator commonly used for charging the battery on a tractor engine is shunt wound. It is
ipped with a voltage regulator, which automatically varies the rate of generator charge. The
dition of a battery determines how much current the generator puts out. The generator is driven by
ne power to charge the battery for light and operating self starter.

4.3.3 Museum

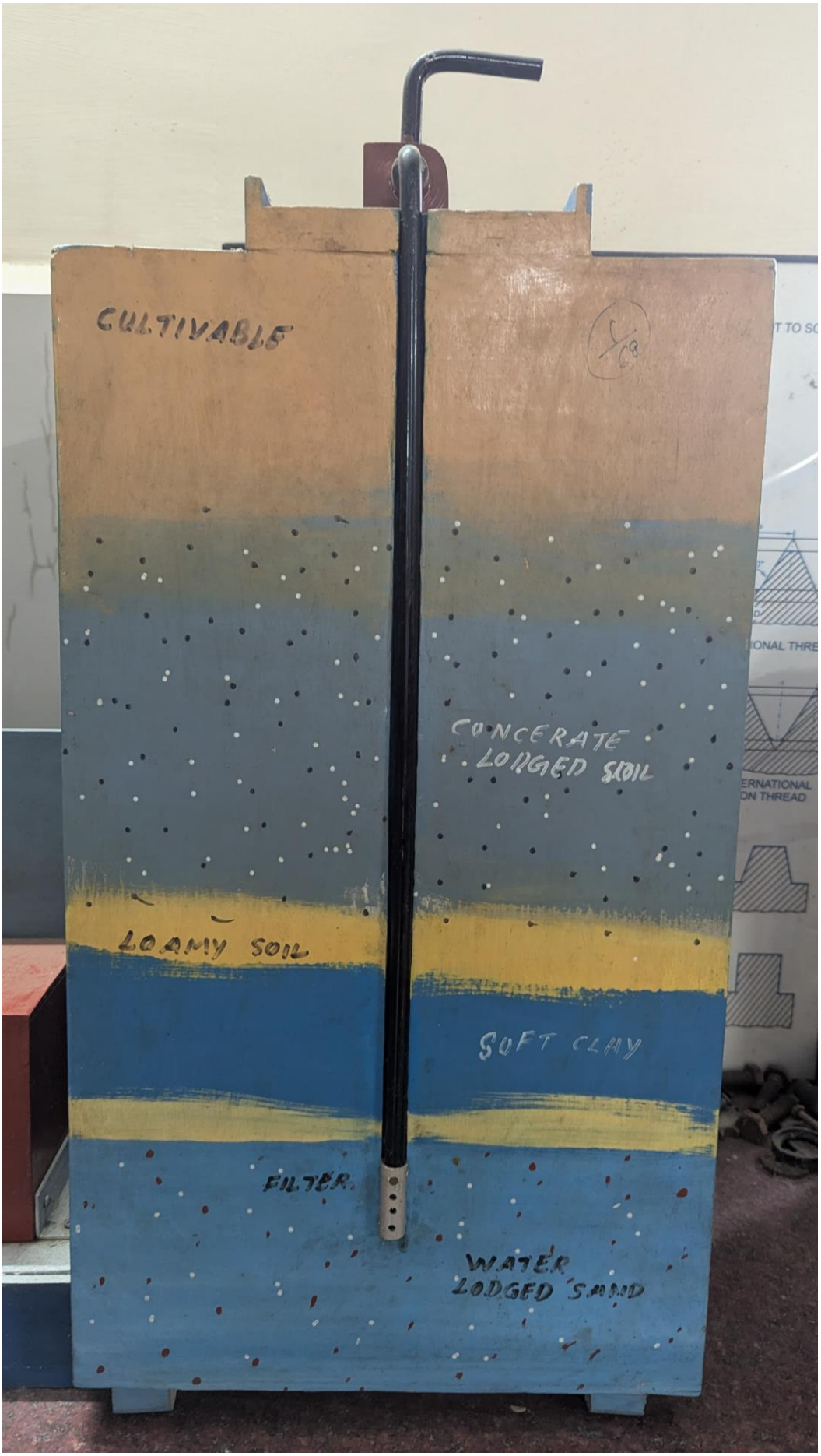
4.3.3 Museum



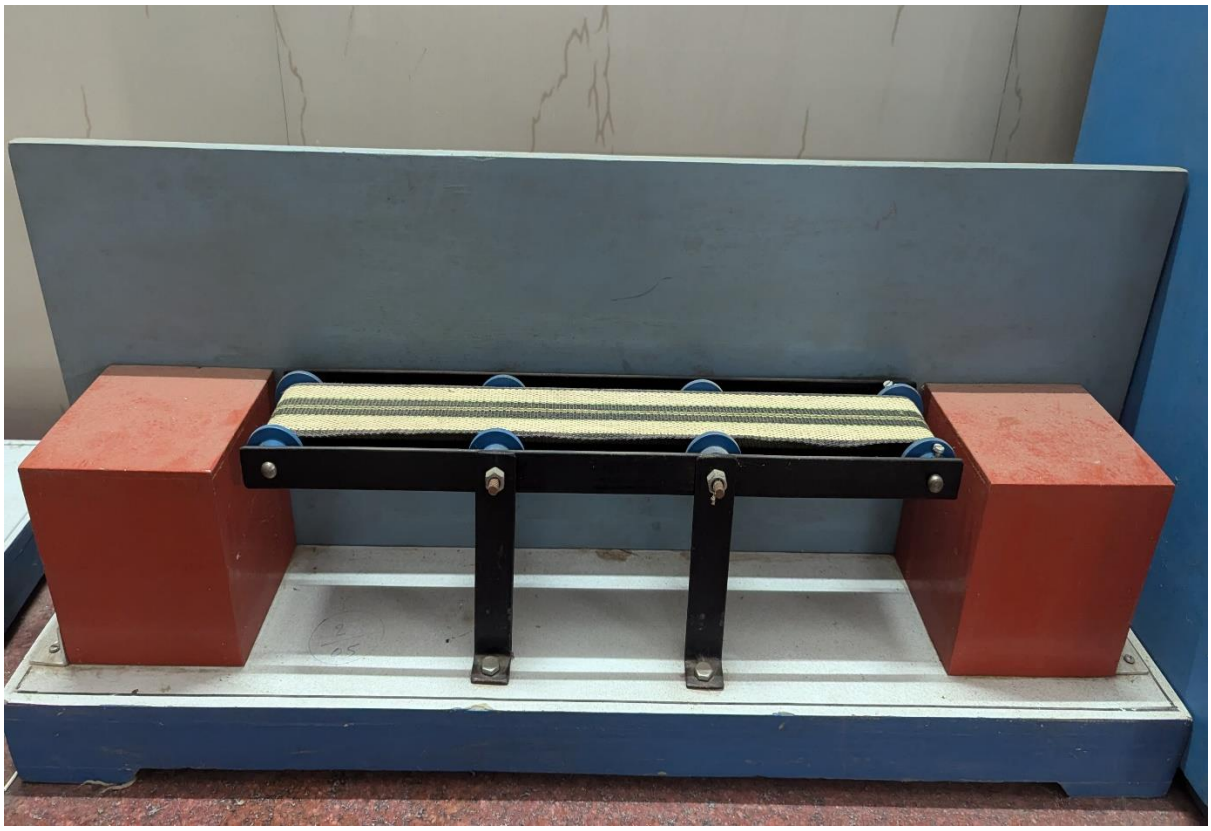
4.3.3 Museum



4.3.3 Museum


CULTIVABLE
CONCERATE
LORGED SOIL
LOAMY SOIL
SOFT CLAY
FILTER
WATER
LODGED SAND

4.3.3 Museum



Prototype Equipment at College of Horticulture, Mandsaur

4.3.3 Museum

4.3.3 Museum

4.3.3 Museum


Lab Willey Mill Grinder

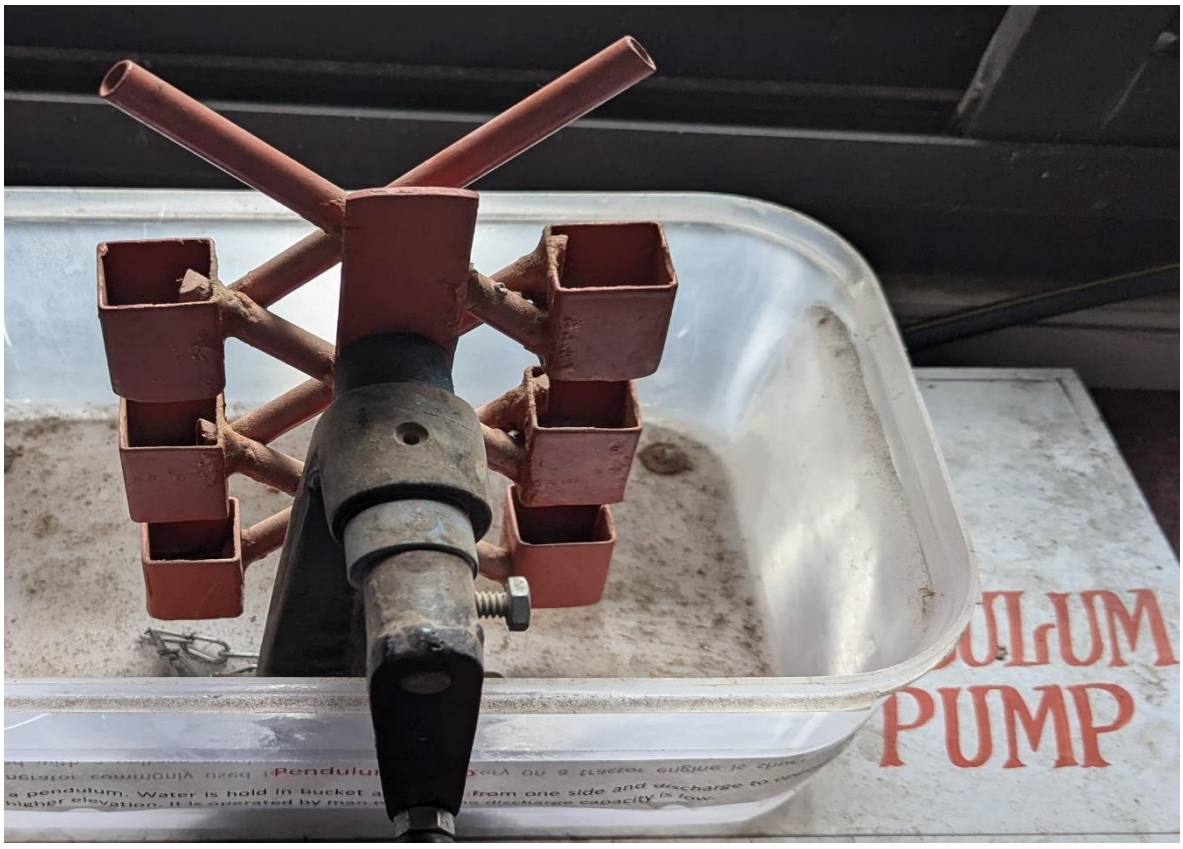

Pallverizer
ROYAL
100% COPPER WINDING

4.3.3 Museum


Essential Oil
Distilkation unit


aquaMAX
aquaMAX Ultra
Ultra water purifier


SL 177
Spectrophotometer


PUMP

4.3.3 Museum

4.3.3 Museum

4.3.3 Museum


वायुमंडल परिचक्र
मृदा मे पोषक तत्व
उपलब्ध पोषक तत्व


ग्रीन हाऊस मे सब्जी उत्पादन
पौध तैयार करना
रोपाई हेतु उठी हुई बेड
बेड पर पौधा रोपण
फल सब्जी

4.3.3 Museum


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.22334°
Long 78.191145°
14/06/24 02:10 PM GMT +05:30
Google


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223373°
Long 78.19123°
14/06/24 02:09 PM GMT +05:30
Google

4.3.3 Museum


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223359°
Long 78.191253°
14/06/24 02:10 PM GMT +05:30
Google


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223032°
Long 78.191093°
14/06/24 02:09 PM GMT +05:30
Google

4.3.3 Museum


नेवला
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.222987°
Long 78.190977°
14/06/24 02:09 PM GMT +05:30
Google


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.223294°
Long 78.19121°
14/06/24 02:09 PM GMT +05:30
Google

4.3.3 Museum


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223405°
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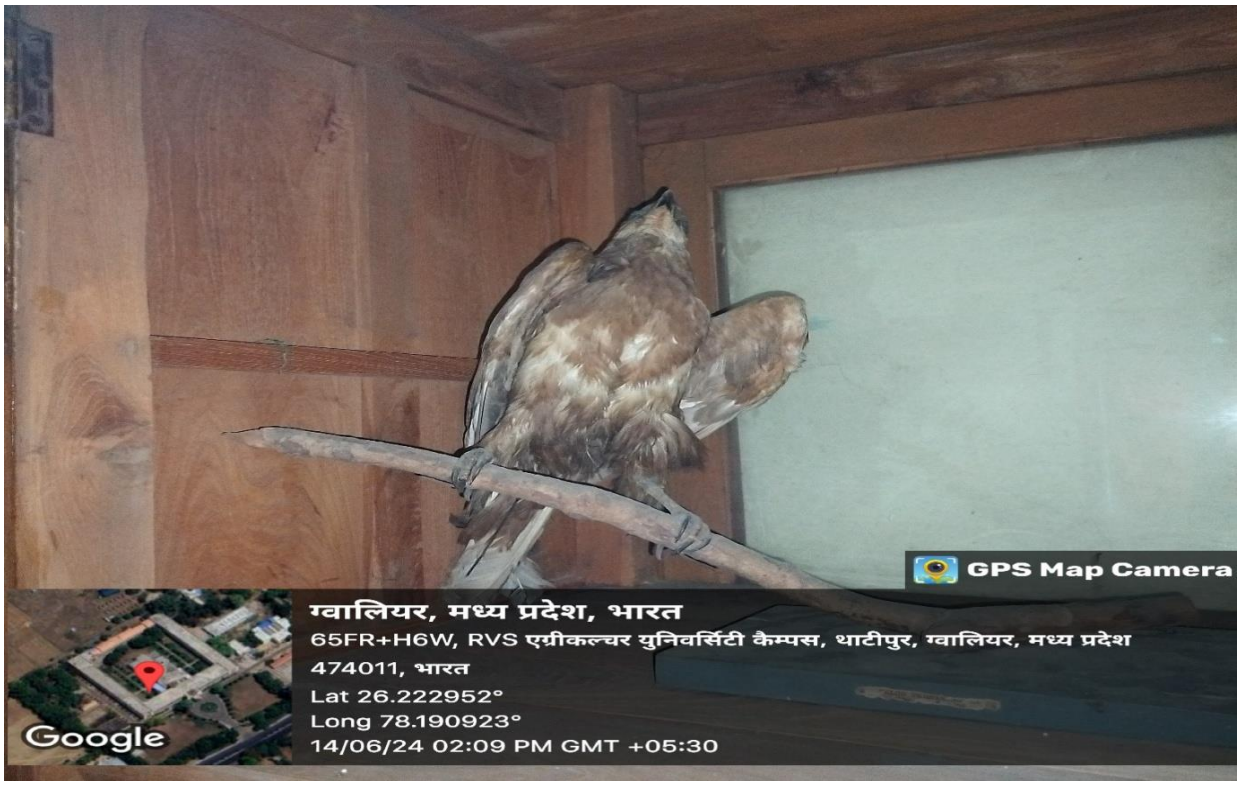
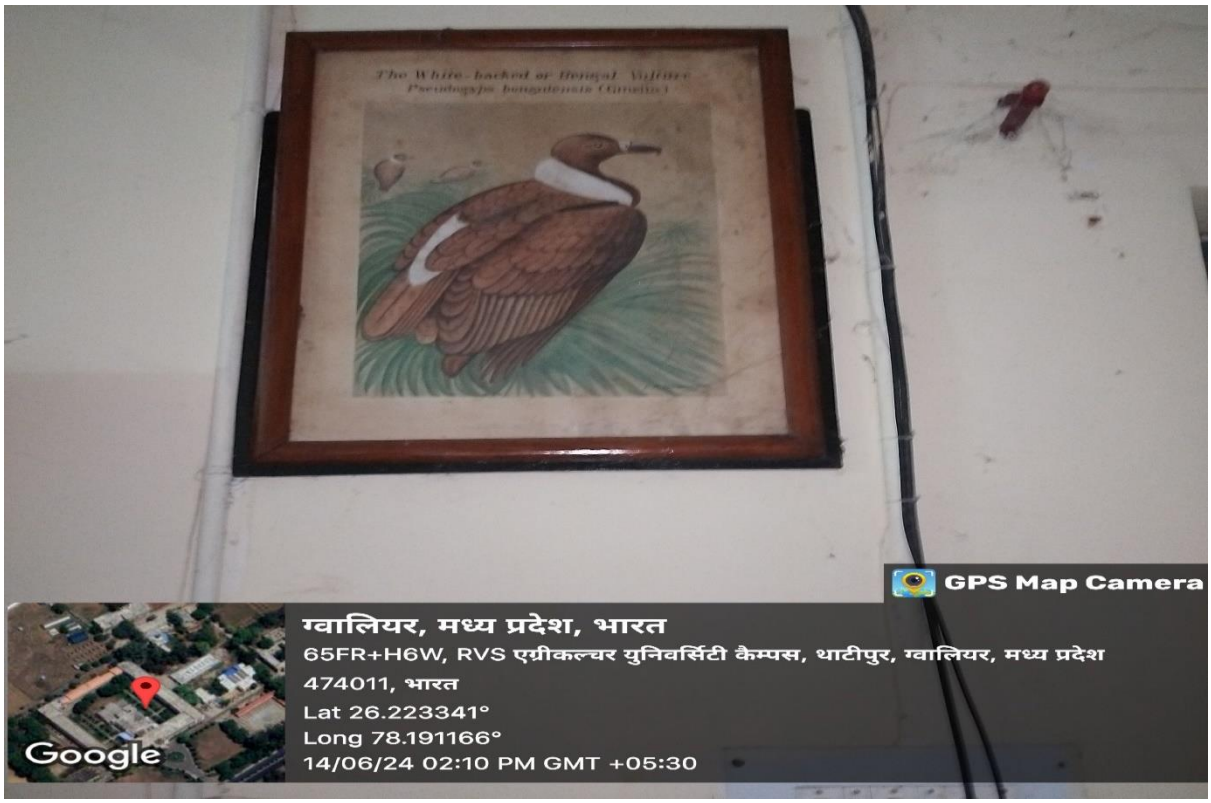
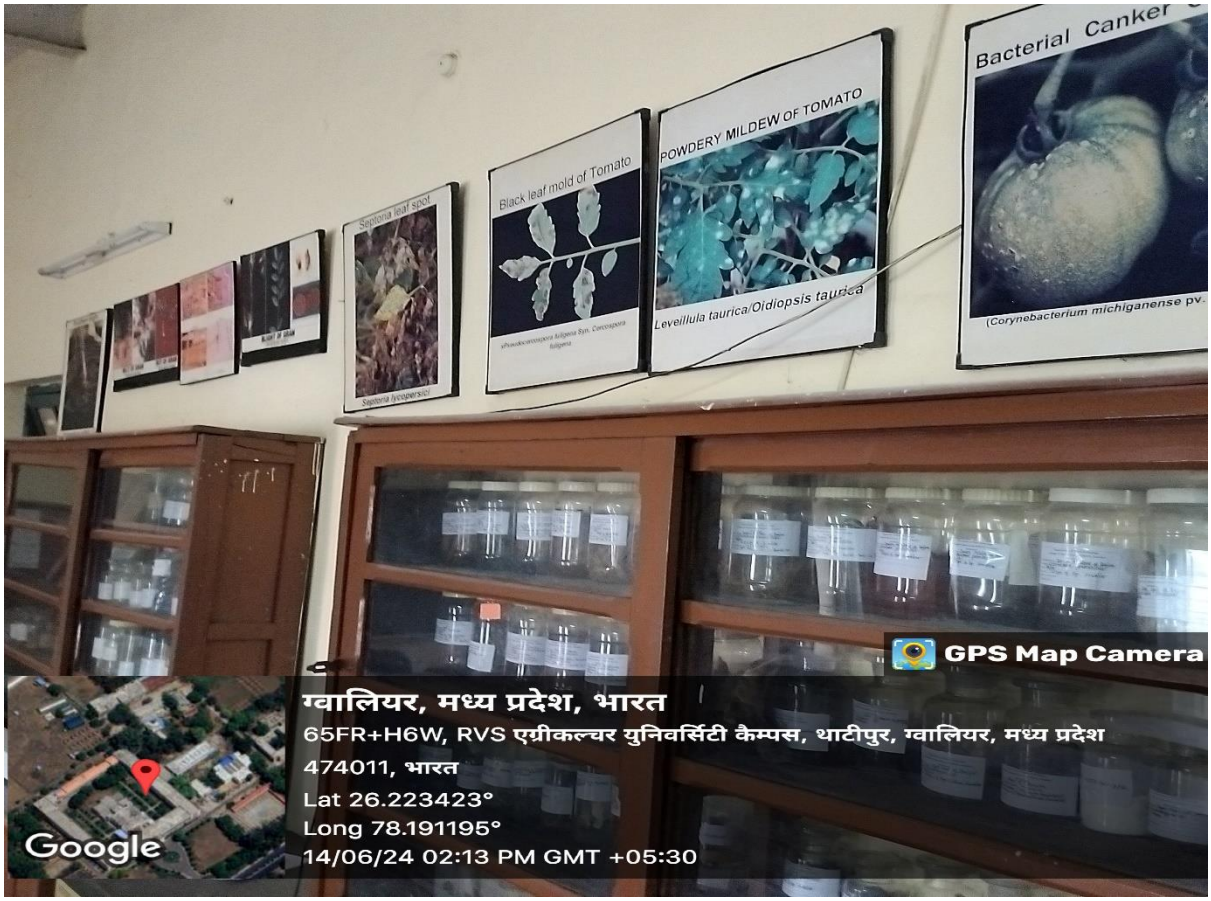

GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.222952°
Long 78.190923°
14/06/24 02:09 PM GMT +05:30
Google

4.3.3 Museum


The White-backed or Bengal Vulture
Pseudogyps bengalensis (Gmelin)
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223341°
Long 78.191166°
14/06/24 02:10 PM GMT +05:30
Google


Rhizopertha Dominica Fabr.
Lesser grain borer.
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223351°
Long 78.191217°
14/06/24 02:11 PM GMT +05:30
Google

4.3.3 Museum


Bacterial Canker
(Corynebacterium michiganense pv.
POWDERY MILDEW OF TOMATO
Leveillula taurica/Oidiopsis taurica
Black leaf mold of Tomato
Septoria leaf spot
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.223423°
Long 78.191195°
14/06/24 02:13 PM GMT +05:30
Google


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.223423°
Long 78.191195°
14/06/24 02:13 PM GMT +05:30
Google

4.3.3 Museum


Department of Plant Pathology
College of Agriculture, RVSKVV, Gwalior
Herbarium
White rust of Mustard
Yeast
GRAPHIOLA
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.223423°
Long 78.191194°
14/06/24 02:13 PM GMT +05:30
Google


Department of Plant Pathology
College of Agriculture, RVSKVV, Gwalior
Herbarium
Downy Mildew of bajra.
Sclerospora graminicola
Bajra.
College of Ag. Gwalior
Leaf Spot of Bajra
Curvularia pennisetti
Bajra.
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश
474011, भारत
Lat 26.223423°
Long 78.19119°
14/06/24 02:14 PM GMT +05:30
Google

4.3.3 Museum


Black leaf mold of Tomato
POWDERY MILDEW OF TOMATO
Bacterial Canker Of Tomato
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223423°
Long 78.191187°
14/06/24 02:15 PM GMT +05:30
Google


GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
Lat 26.223422°
Long 78.191186°
14/06/24 02:15 PM GMT +05:30
Google

6

Item No. 4.3.3(7)

Research / Statistical Database

CONTRACT AGREEMENT WITH NARS ORGANIZATIONS

MEMORANDUM OF UNDERSTANDING WITH NARS ORGANIZATIONS
For providing Software under the NAIP Project
"Strengthening Statistical Computing for NARS"

This Memorandum of Understanding ("MOU") is made among the Members whose name, name of the authorized representative; signature and office seal are given below.

Between

1) Indian Agricultural Statistics Research Institute (Indian Council of Agricultural Research) Library Avenue, Pusa, New Delhi – 110 012, India
2) Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior (M.P.)
(henceforth called as Concerned NARS organization), New Delhi.

The following are terms and conditions of reference:

1. The concerned NARS organization agrees to make use of the software as per guidelines of the Contract signed between IASRI, New Delhi and M/s SAS Institute (India) Private Limited (the Supplier), a corporation incorporated under the laws of India and having its principal place of business at 4th Floor, Apeejay House, Dinshaw Wachha Road, Churchgate, Mumbai-400 020 (a copy of which is enclosed herewith).
2. The "Users", for the purposes of the license granted hereunder, would be (i) faculty members and staff employed by NARS organization; (ii) students/trainees/ registered with the concerned NARS organization (educational and/or research Institute of NARS including ICAR/SAU's/CAU's/Agricultural Colleges to conduct research / teaching/ training work guided by the Director of the Institute or Vice-Chancellor of the University or Head of Organization and (iii) on site contractors while doing work solely for the benefit of such institution
3. The concerned NARS organization agrees to make available for usage of its students/ trainees/ researchers/ faculty/ staff/ scientists to conduct research work guided by the Director of the Institute or Vice-Chancellor of the University or Head of Organization
4. The software can be installed on server of the NARS organization and can be accessed by all the licensed users over the local area network of the NARS organization or it can be installed on multiple official machines belonging to the NARS organization (desktop, laptop) of the NARS organization in standalone mode.
5. The concerned NARS organization undertakes the responsibility of installing the software on the desktop/ laptop/server which belongs to the organization as per conditions specified in the contract specified in point 1.
6. The concerned NARS organization undertakes the responsibility of uninstalling the software from the official machines before they are disposed off or handed over to any other organization or individuals.
7. The concerned NARS organization would encourage the usage of the software for research and teaching purposes, wherever required and to keep records of the usage of the software and provide the information from time to time to the nodal centre/ IASRI, New Delhi.
8. The Software is being provided without any cost from the concerned NARS organization. The software would be on perpetual (for ever) license. The update and upgrade of the

software would be provided for three years free of cost for which download link and license file would be sent. The concerned organization would download the updates and upgrades for the use of the concerned NARS organization and install it on the computer systems of the organization along with the product authorization code (license file). The hardware/ other software required for the usage of the software would be provided by the NARS organization itself.

9. After the expiry of three years of the date of installation, every year license file (for ever) would be provided free of cost. The concerned NARS organization agrees to update the license file as and when provided by IASRI, New Delhi or M/s SAS Institute (India) Private Limited (the Supplier) both during first three years and after the three years of installation without any delays.
10. After three years of date of installation, if the organizations wants to use the facility of "Maintenance Services" which includes upgrades, updates and technical support, have to pay an amount of INR Rs. 1.3 lakhs per Institute / University in case the organization seeks the said service in the 4th year itself. This Maintenance Service Fee is subjected to an escalation of 6% on a year on year basis. If the concerned NARS organization seeks the said service in any of the subsequent years then NARS organization would have to pay for the fees due in the earlier years for which they have not paid the charges. For purchase of annual maintenance services, SAS would be notified at least ninety (90) days prior to the expiration. In case no updates and upgrades are required, then no "maintenance services", fees is required to be paid.
11. The concerned NARS organization agrees to send the researchers from the organization to attend the training programmes to be conducted by the IASRI, New Delhi/ any one of the statistical computing hubs for the usage of the software. It may be noted here that the expenses on the TA, boarding, lodging etc. would be borne by the project till March 31, 2012.
12. The concerned NARS organization agrees to inform any change in name of Nodal Officer to IASRI, New Delhi and will ensure that all relevant details are handed over to the new nominated nodal officer. NARS organization also takes the responsibility of nominating a new nodal officer in case of transfer, superannuation, etc. of the nominated nodal officer and will ensure that all materials are handed over to the new nominated nodal officer.
13. The concerned NARS organization would inform immediately any changes in the IP address of the organization and to take an undertaking from the service provider that same IP Address would not be given to anyone else, till your organization gets a new IP Address and inform IASRI, New Delhi.

IN WITNESS whereof the parties hereto have caused this agreement to be executed in accordance with the laws of India on the day ____, month____ and year indicated above. w.e.f. June, 2010

For and on behalf of Concerned NARS organization – Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior.	For and on behalf of IASRI, New Delhi
Signed DIRECTOR RESEARCH SERVICES R.V.S.K.V.V., Gwalior (M.P.) 474 002	Signed VIJAY KUMAR BHATIA Director I.A.S.R.I. (I.C.A.R.)
In the capacity of	In the capacity of
In the presence of 4/6/2010 Deputy Director Construction. R.V.S.K.V.V., Gwalior	In the presence of

Annexure III

Technical Specifications alongwith training Schedule

A. SAS Technology Components

(i) SAS Software - Enterprise Business Intelligence Server (one no.)

S. No.	Item
1.	SAS Software - Enterprise Business Intelligence Server* for 10 concurrent users: Web and desktop reporting, Portal and customizable dashboards, Microsoft Office integration, Query and analysis, Interactive business visualization, OLAP storage and OLAP data exploration interface, Integrated analytics, Meta data management, SAS Integration Technology consisting of
	(a) Base SAS software
	(b) SAS/Stat software
	(c) SAS/Graph
	(d) SAS Enterprise Guide
	(e) SAS/ETS software
	(f) SAS/OR software
	(g) SAS/QC software
	(h) SAS Access to OLE DB
	(i) SAS/Access Interface to PC file formats
	(j) SAS/Access Interface to ODBC
	(k) SAS/Access Interface to Oracle, SQL Server, DB2
	(l) SAS LAB Software
	(m)SAS/IML software/ SAS IML Studio
	(n) SAS/Genetics software
	(o) SAS / App Dev Studio
	(p) SAS FSP Software
	(q) SAS Share Software
	(r) SAS Connect Software
	(s) SAS Secure
	(t) JMP Genomics (inclusive of JMP Statistical Discovery Software)

- Definition: Internet/ Web based license refers to Client- Server based licenses to be installed in Server at lead Centre.
- Usage: The software can be accessed by all the licensed users (as defined through IP identification) over the web.
- Licensed User: The software can be installed at IASRI or any one of the NARS Institution and used by students/ trainees/researchers/ staff/ scientists of the research institutions of NARS including SAUs/CAUs/ Agricultural Colleges to conduct research/ academic work guided by the Director of the Institute or Vice-Chancellor of the University or Head of Organization.
- SAS EBI Server should be configured on IP identification
- SAS EBI server should have direct plug-in to MS Office and have Microsoft Office Integration

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28/05/10

- SAS EBI server may be installed on a Server machine with any configuration (lowest configuration of Server for working of SAS EBI Server as Single CPU dual core with 8-16 GB RAM) located at IASRI or any one of the NARS Institutions. Server configuration may be changed at any time during the perpetual license period. Any such change made in the server configuration shall be provided to SAS to enable SAS to generate a Product Authorization Code without any additional cost.
- Analytical modules other than the Core EBI Server have the flexibility of loading at multiple machines at IASRI or the NARS Institution where the SAS EBI server is installed
- The Software should be able to work efficiently on Windows Vista and all earlier versions such as Windows XP, Windows 2003/ 2000 Server.
- Software should be on perpetual basis (Use Forever)
- SAS Insight should be included in the above component

(ii) SAS Software - Network (50 nos.)

S. No.	Item
1.	**SAS Software - Network consisting of**
	(a) Base SAS software
	(b) SAS/Stat software
	(c) SAS/Graph
	(d) SAS Enterprise Guide
	(e) SAS/ETS software
	(f) SAS/OR software
	(g) SAS/QC software
	(h) SAS/Access to OLE DB
	(i) SAS/Access Interface to PC file formats
	(j) SAS/Access Interface to ODBC
	(k) SAS/Access Interface to Oracle, SQL Server and DB2
	(l) SAS/LAB Software
	(m) SAS/IML software/ SAS IML Studio
	(n) SAS/Genetics software
	(o) SAS/ FSP Software
	(p) SAS/Share Software
	(q) SAS/ Connect Software
	(r) SAS Secure
	(s) SAS Integration Technology
	(t) JMP Genomics (inclusive of JMP Statistical Discovery Software)

- The software should be able to work on the Intranet of the University and should be accessible to anyone across the campus on the Client Server Mode
- It should be able to work on any server machine with lowest configuration of 1 CPU Dual Core
- The Software should be able to work efficiently on Windows Vista and all earlier versions such as Windows XP, Windows 2003/ 2000 Server.
- Software should be on perpetual basis (Use Forever)
- SAS Insight should be included in the above component
- Definition: Internet/ Web based license refers to Client- Server based licenses to be installed in one Work Station/ Server. The Software can also be installed on multiple machines in the standalone mode so as to enable the researchers to work in the non-availability of Local Area Network in the Institute/ University

- Usage: The software can be accessed by all the licensed users over the local area network or on individual machines installed in standalone mode.
- 50 number of the Software in (ii) are for 50 different organizations of NARS and each number can be loaded on multiple machines.
- Licensed User: The software can be installed and used by students/ trainees/ researchers/ staff/ scientists of the research institutions of NARS including SAUs/CAUs/ Agricultural Colleges to conduct research work guided by the Director of the Institute or Vice-Chancellor of the University or Head of Organization

(iii) SAS Software -Standalone (100 nos.)

S. No.	Item
1.	**SAS Software- Standalone[3] consisting of**
	(a) Base SAS software
	(b) SAS/Stat software
	(c) SAS/Graph
	(d) SAS Enterprise Guide
	(e) SAS/ETS software
	(f) SAS/OR software
	(g) SAS/QC software
	(h) SAS/Access Interface to PC file formats
	(i) SAS/ Access to OLE DB
	(j) SAS/Access Interface to ODBC
	(k) SAS/ Access Interface to Oracle, SQL Server, DB2
	(l) SAS/ LAB Software
	(m) SAS/IML software/ SAS IML Studio
	(n) SAS/Genetics software
	(o) JMP Genomics (inclusive of JMP Statistical Discovery Software)

- The software should be able to work efficiently on Windows Vista Business and all earlier versions such as Windows XP, Windows 2003.
- Software should be on perpetual basis (Use Forever)
- SAS Insight should be included in the above component
- Definition: Standalone means Desktop licenses
- Usage: 100 number of the Software in (iii) are for 100 different organizations of NARS and each number can be loaded on multiple machines
- Licensed User: The software can be installed and used by students/ trainees/ researchers/ staff/ scientists of the research institutions of NARS including SAUs/CAUs/ Agricultural Colleges to conduct research work guided by the Director of the Institute or Vice-Chancellor of the University or Head of Organization

(iv) Other Specifications for Technology Component mentioned in (i), (ii) and (iii)

- Software license begin date will be date of purchase notification award. The applicable anniversary dates for annual maintenance services including updates and upgrades, which is 3 year period and reinstatement of maintenance services shall be date of installation.
- Provide all Updates and upgrades released by SAS during the period of three years from the date of installation.
- One a new release is provided during the perpetual license period (forever): it should not be downgraded to previous release.

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- All efforts should be made to address the compatibility issues of the new releases of operating system during this period of three years with R&D and upgrades for compatibility with new releases of operating system should be provided, if the company comes out with the software compatible with the latest operating system, provide compatibility with as many operating systems as possible.
- The "Product Authorization Code" which is a component of the Software that enables the Software to operate for the applicable license period should not involve any hardware key or knowledge of motherboard key number of CPU. If possible, separate license files for all licenses (Internet, Intranet and standalone licenses) be provided.
- Provide annual Product Authorization Codes during the perpetual license period (forever) one month prior to anniversary date every year, even if there is no up-gradation and updation and it shall work, at least with the operating system on which it is working at the last date of end of three years from the date of installation.
- In addition to the modules in (i), (ii) and (iii), provide SAS Enterprise Miner, SAS Bridge to ESRI in replacement of offered modules for 15 of the Institutes
- Provide SAS macros related to agricultural sciences such as diallel analysis, line × tester analysis, path analysis, estimation of genetic parameters, stability analysis, G × E interaction, numbering with multiple comparison procedures, etc. and upgraded as and when they are migrated to platform of operation.
- Provide SAS manuals and User guides along with the licenses without any additional cost for all the 9 consortium partners. Include manuals of JMP genomics in it.
- Provide soft copies of guides of SAS Enterprise Guide, SAS IML Studio, JMP Genomics, etc. along with all the licenses (Internet, Intranet/network and standalone) and help in documentation on all modules should be part of the software.
- SAS software may be sent to IASRI via e-link. It is the responsibility of SAS to download at either the lead center or at one of the nodal centers, multiply and prepares the DVD's at IASRI and ship to the locations mentioned in the Schedule of requirements.
- Provide the right to copy the Software only for (a) installation of personal computer Software and (b) disaster recovery and back-up purposes.
- Free comprehensive "Maintenance Services" which includes Update and Upgrades, technical support shall be provided by the Supplier during the first three years from the anniversary date.
- For avoidance of doubt, it may be mentioned here that the clauses in the Contract will hold for perpetual licensed period (forever).

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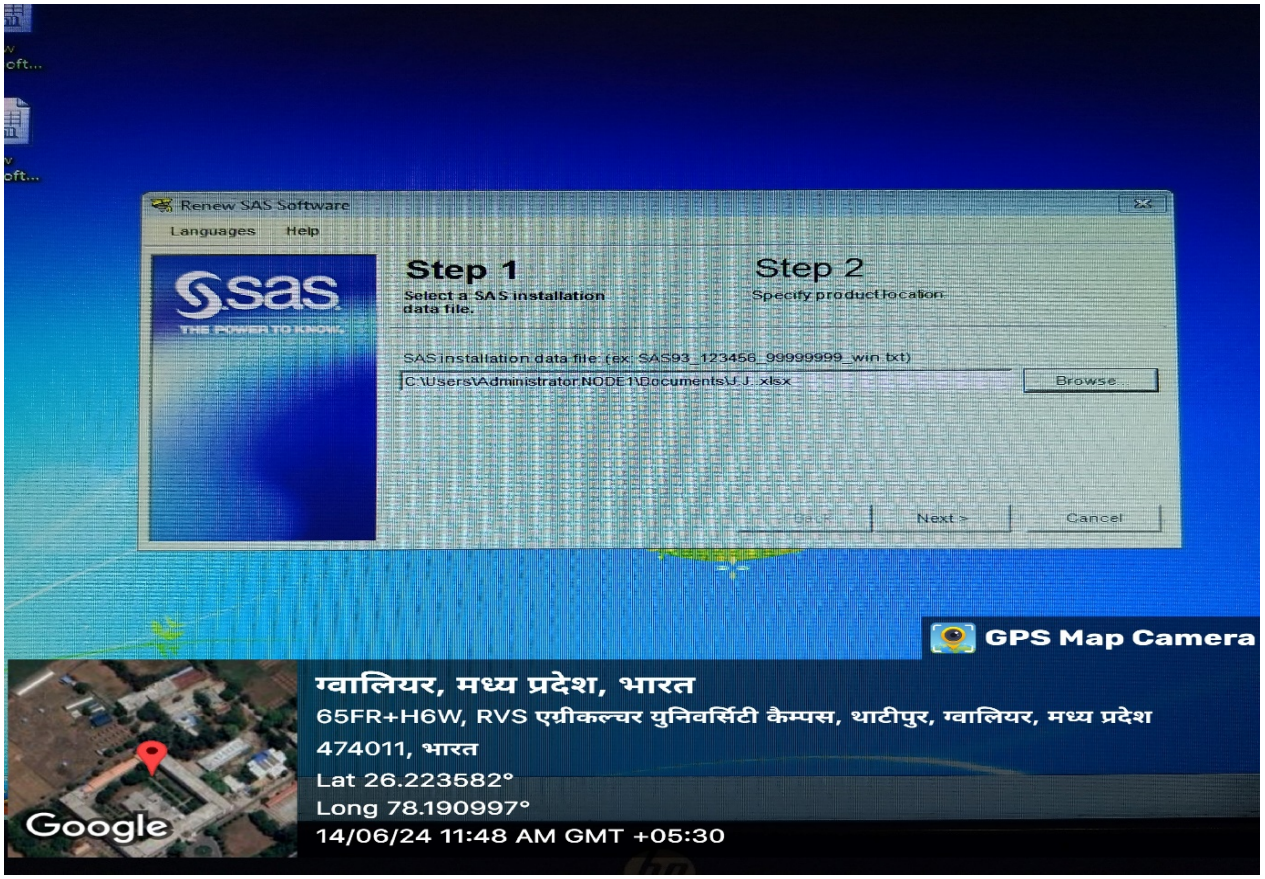
28/05/10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Languages Help
Step 1
Select a SAS installation data file.
Step 2
Specify product location
SAS installation data file: (ex: SAS93_123456_99999999_win.txt)
C:\Users\Administrator.NODE1\Documents\U_J_.xlsx
Browse...
< Back
Next >
Cancel
GPS Map Camera
ग्वालियर, मध्य प्रदेश, भारत
65FR+H6W, RVS एग्रीकल्चर युनिवर्सिटी कैम्पस, थाटीपुर, ग्वालियर, मध्य प्रदेश 474011, भारत
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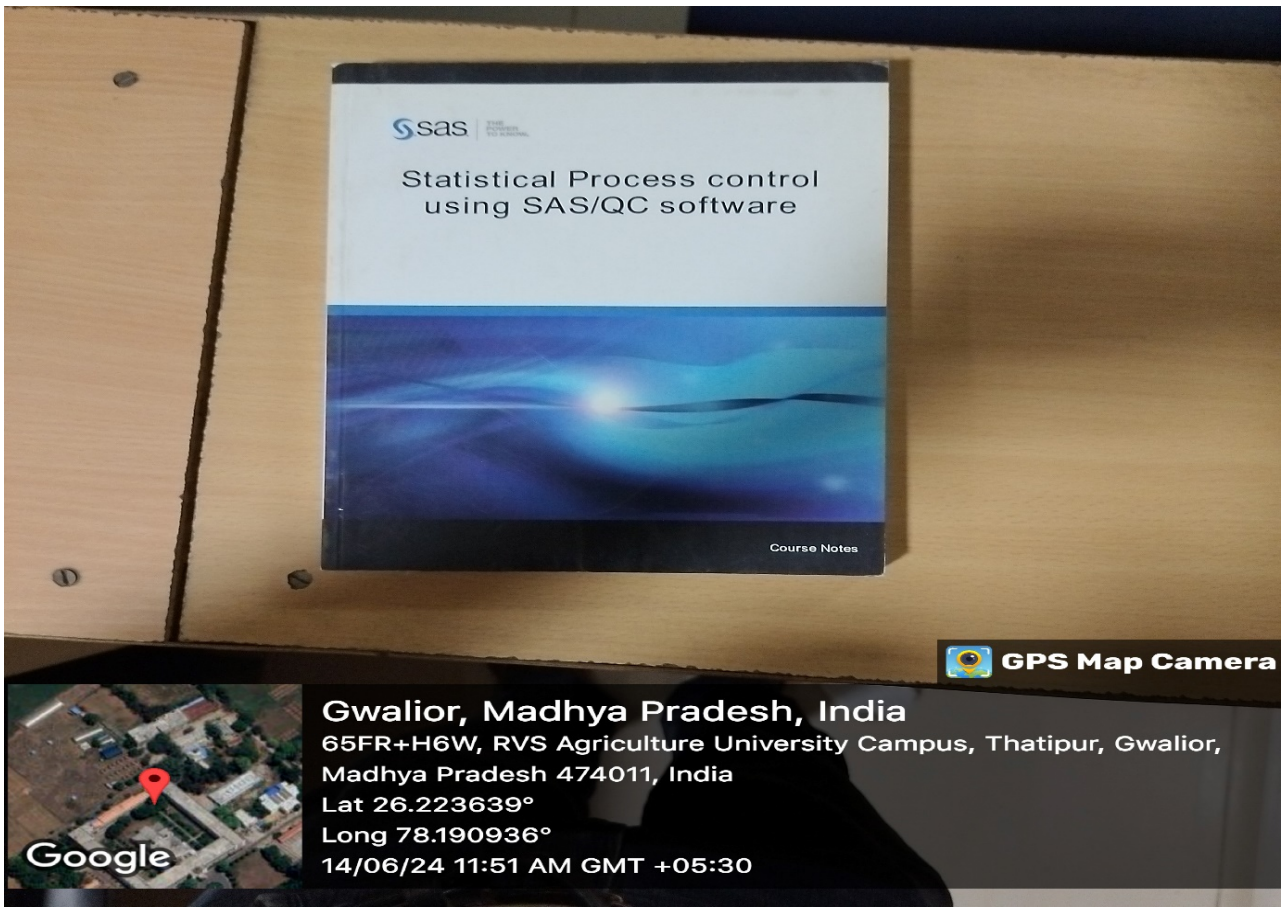
Long 78.190997°
14/06/24 11:48 AM GMT +05:30
Google


sas
Statistical Process control using SAS/QC software
Course Notes
GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+H6W, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474011, India
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Long 78.190936°
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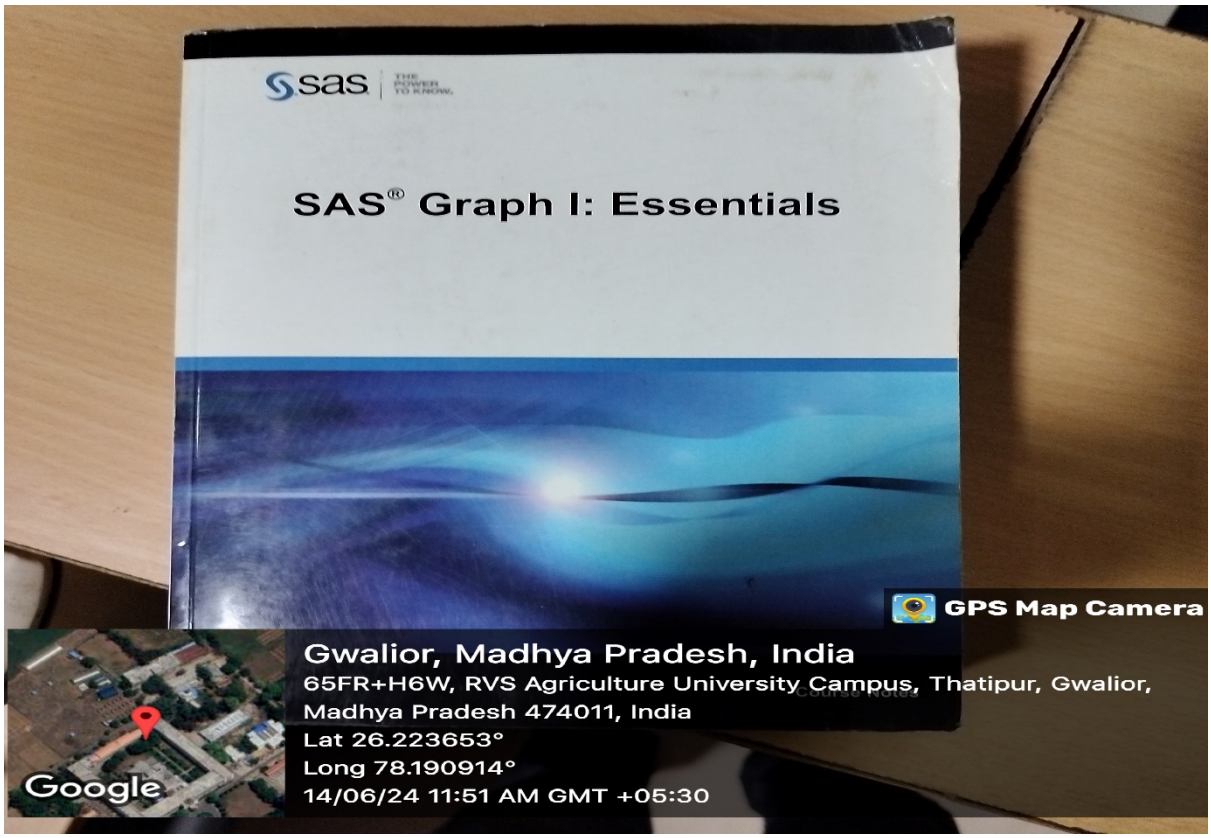
sas
THE POWER TO KNOW.
SAS® Graph I: Essentials
GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+H6W, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474011, India
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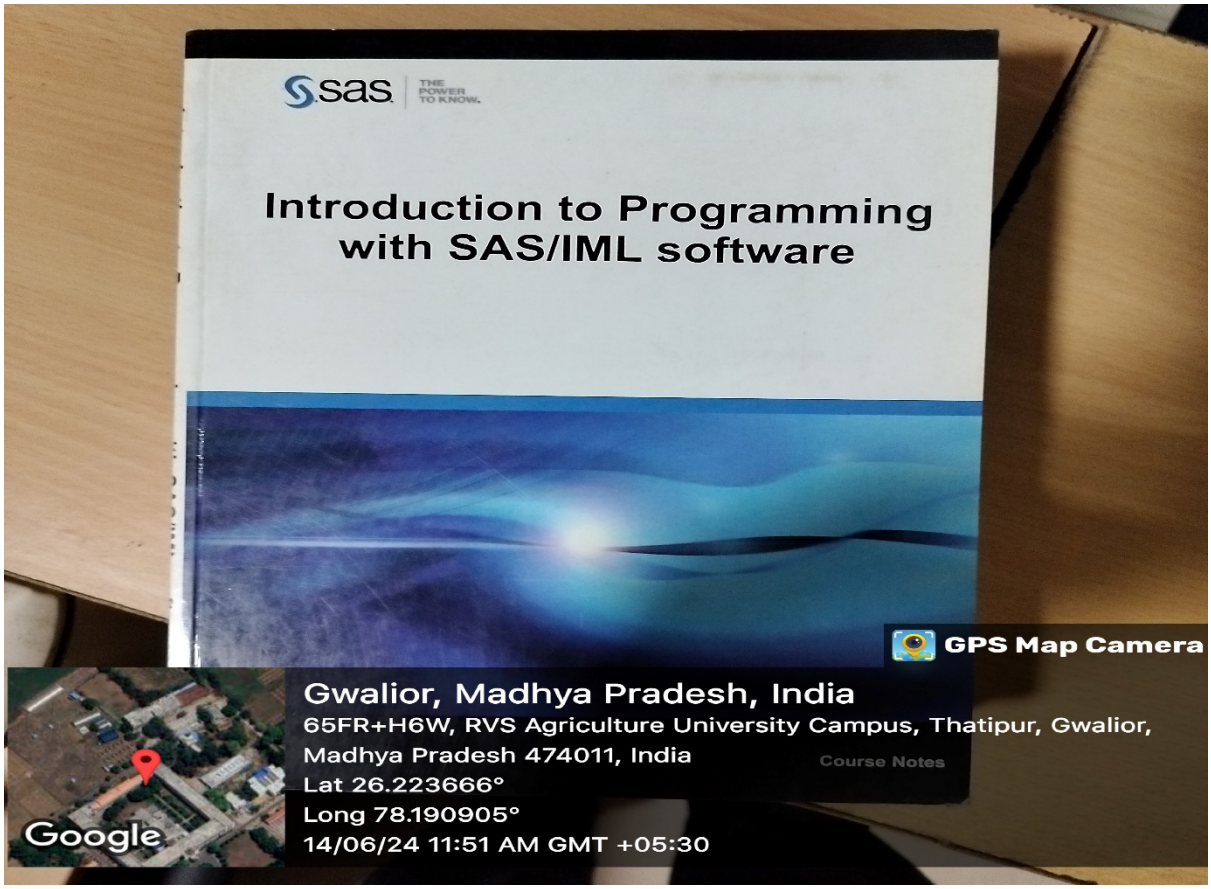
14/06/24 11:51 AM GMT +05:30
Google


sas
THE POWER TO KNOW.
Introduction to Programming with SAS/IML software
GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+H6W, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474011, India
Lat 26.223666°
Long 78.190905°
14/06/24 11:51 AM GMT +05:30
Google

7

Item No. 4.3.3(9)

Theatre

Theatre at University

4.3.3 Theatre

4.3.3 Theatre


11th NATIONAL SEED CONGRESS - 2022
11th NATIONAL SEED CONGRESS - 2022

Theatre at College of Agriculture, Gwalior

4.3.3 Theatre

Theatre at College of Horticulture, Mandsaur

Theatre at College of Agriculture, Indore

8

Item No. 4.3.3(10)

Art Gallery

4.3.3 Art Gallery

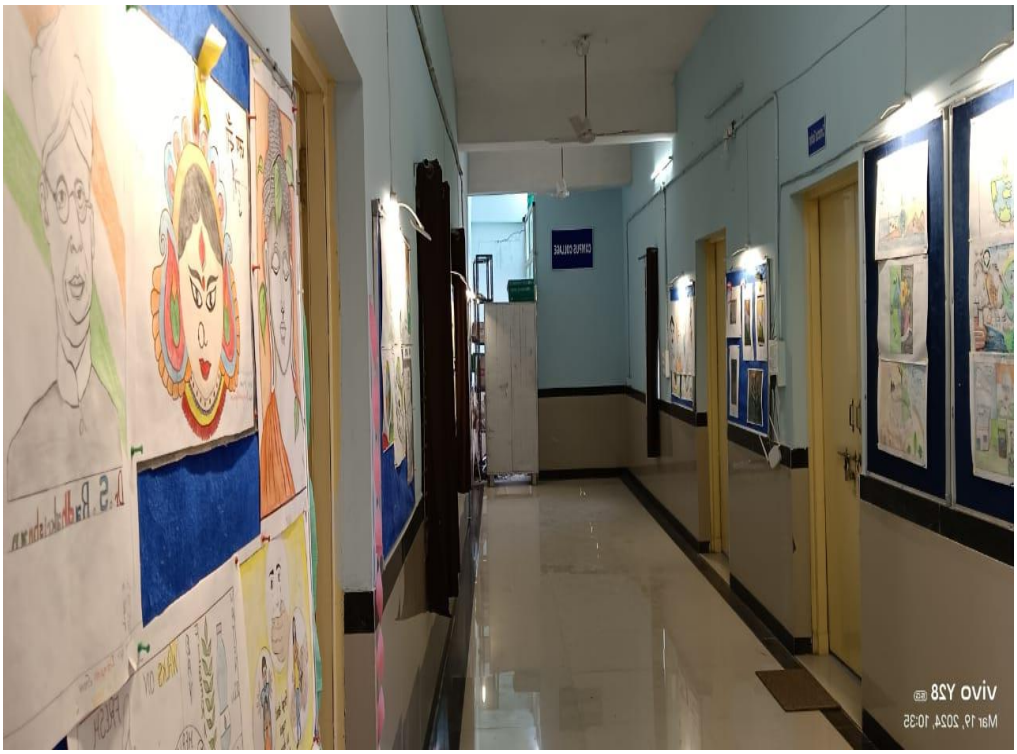
4.3.3 Art Gallery

4.3.3 Art Gallery

4.3.3 Art Gallery

4.3.3 Art Gallery

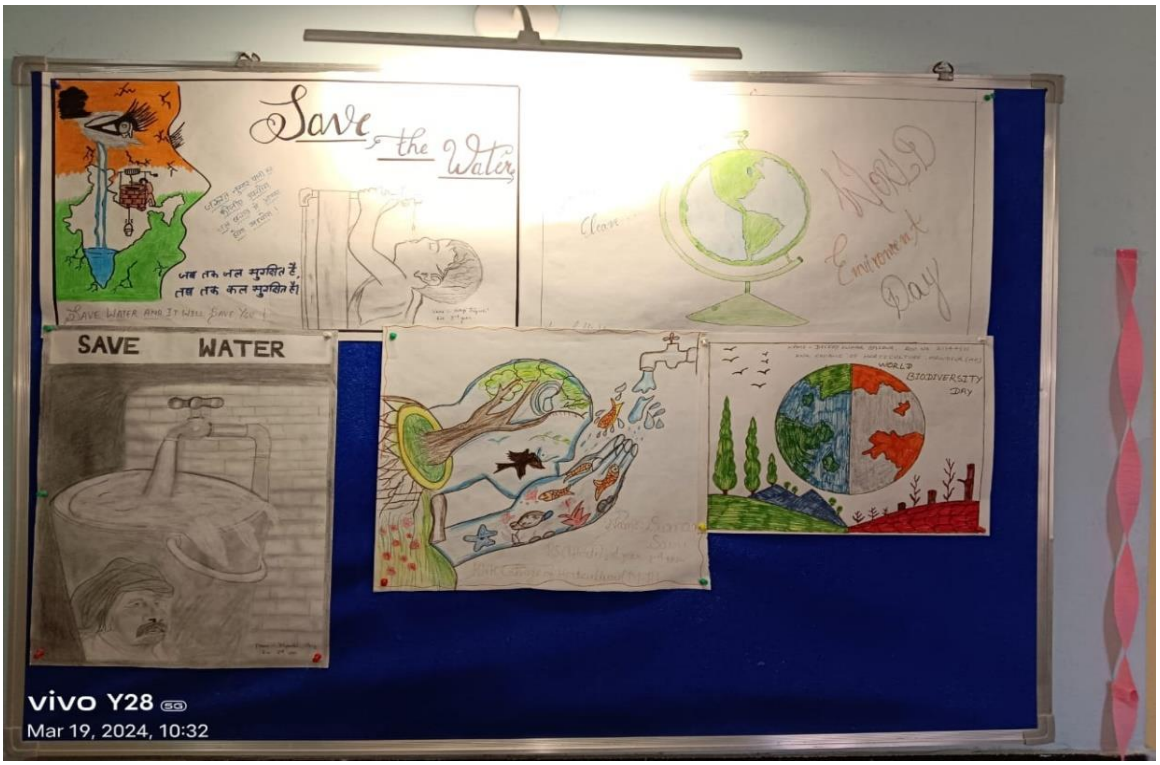
4.3.3 Art Gallery



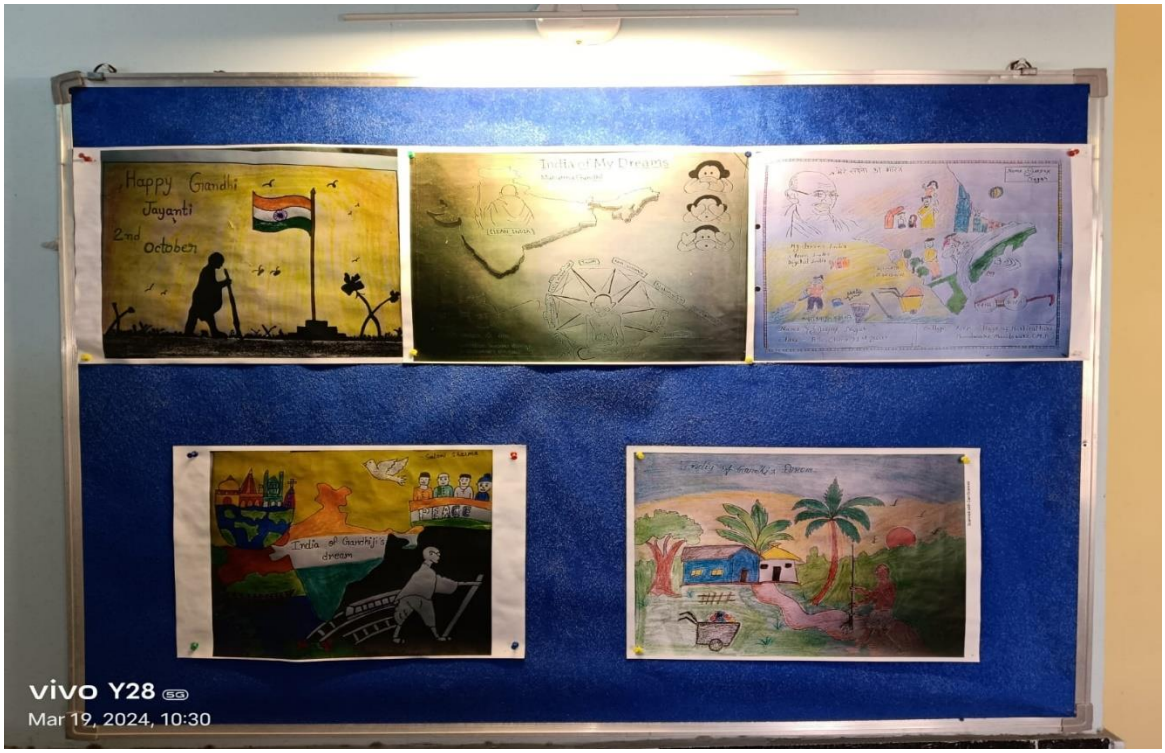
4.3.3 Art Gallery

4.3.3 Art Gallery

4.3.3 Art Gallery



4.3.3 Art Gallery



9

Item No. 4.3.3(11)

Any other facility to support research

Open Top Chamber

Rainout Shelter

Rainfall Simulator


GPS Map Camera
Gwalior, Madhya Pradesh, India
65FR+H6W, RVS Agriculture University Campus, Thatipur, Gwalior, Madhya Pradesh 474011, India
Lat 26.22422°
Long 78.1898°
21/06/24 11:48 AM GMT +05:30
Google

Lysimeter

4.3.3 Any other facility to support Research

HPLC

Name of Equipment: pH Meter

Name of Equipment: Nitrogen Analyzer (Kjeldhal Distillation Unit)

Name of Equipment: Kjeldahl Digestion Unit

Name of Equipment: Soil Science Laboratory

Name of Equipment: Filtration of Soil Samples

Name of Equipment: Perpetration of Chemicals

Name of Equipment: pH and EC Meter

Name of Equipment: Atomic Absorption Spectrophotometer (AAS)

Name of Equipment: Vario TOC Analyzer

Name of Equipment: Zeta Potential Analyzer

Name of Equipment: Double Distillation Unit

Soil Science Laboratory at RVSKVV, Gwalior

4.3.3 Any other facility to support Research

4.3.3 Any other facility to support Research

Name of Equipment: Gas chromatography (GS-MS), High Performance Liquid chromatography (HPLC)

Name of Equipment: Shaker

Name of Equipment: lab willey mill Grinder

Name of Equipment: Pallverizer

Name of Equipment: Essential Oil Distillation Unit

Name of Equipment: Ultra Water Purifier

Name of Equipment: Spectrophotometer

Name of Equipment: HPLC

Eletrophoresis System

Fiber Quality Analysis Unit

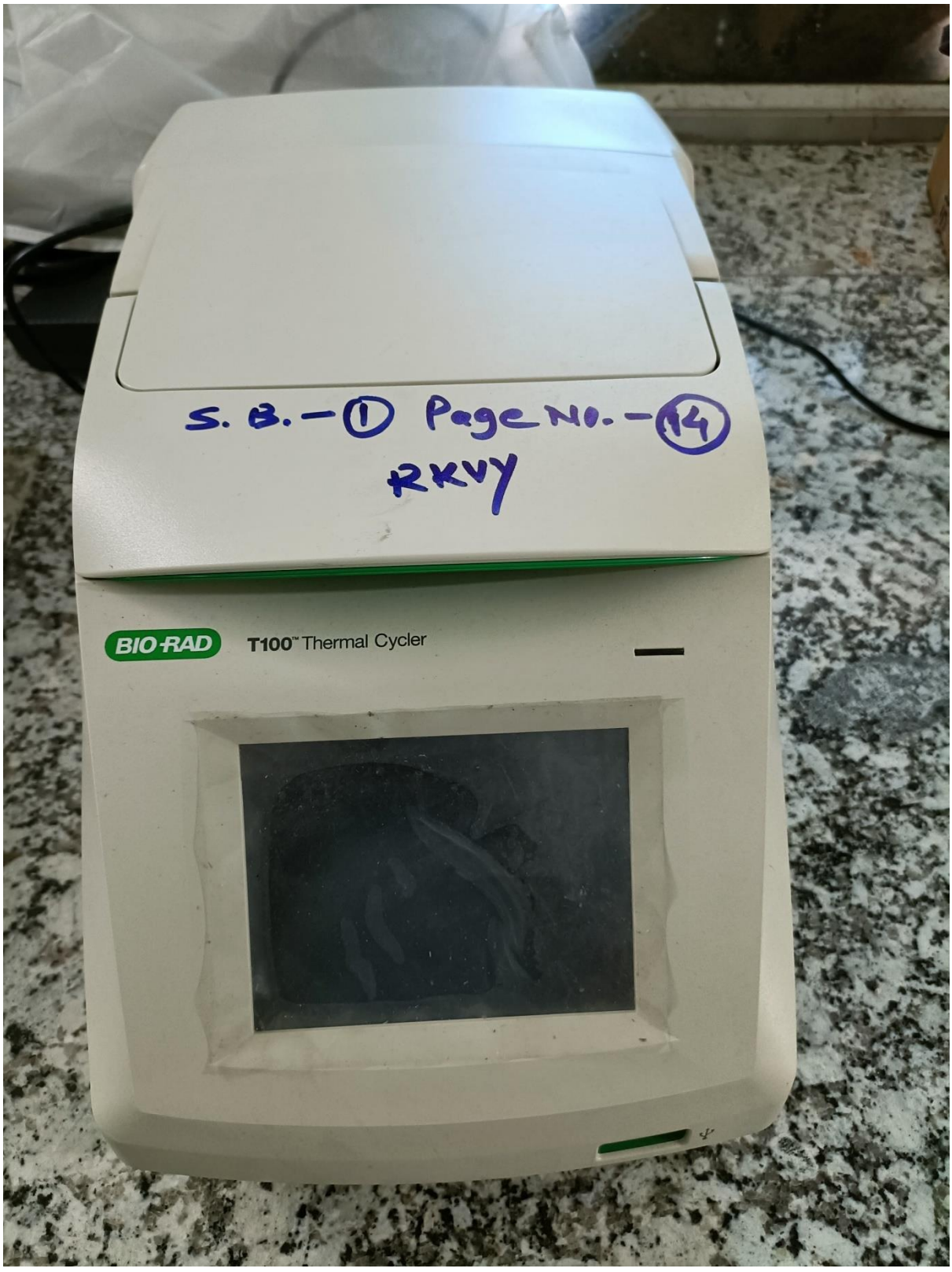
Seed Grader Machine

Haier Defroster

LG Microwave Oven

Net House

Thermal Cycler



Rotatory shaker

Gem Magnetic Stirrer

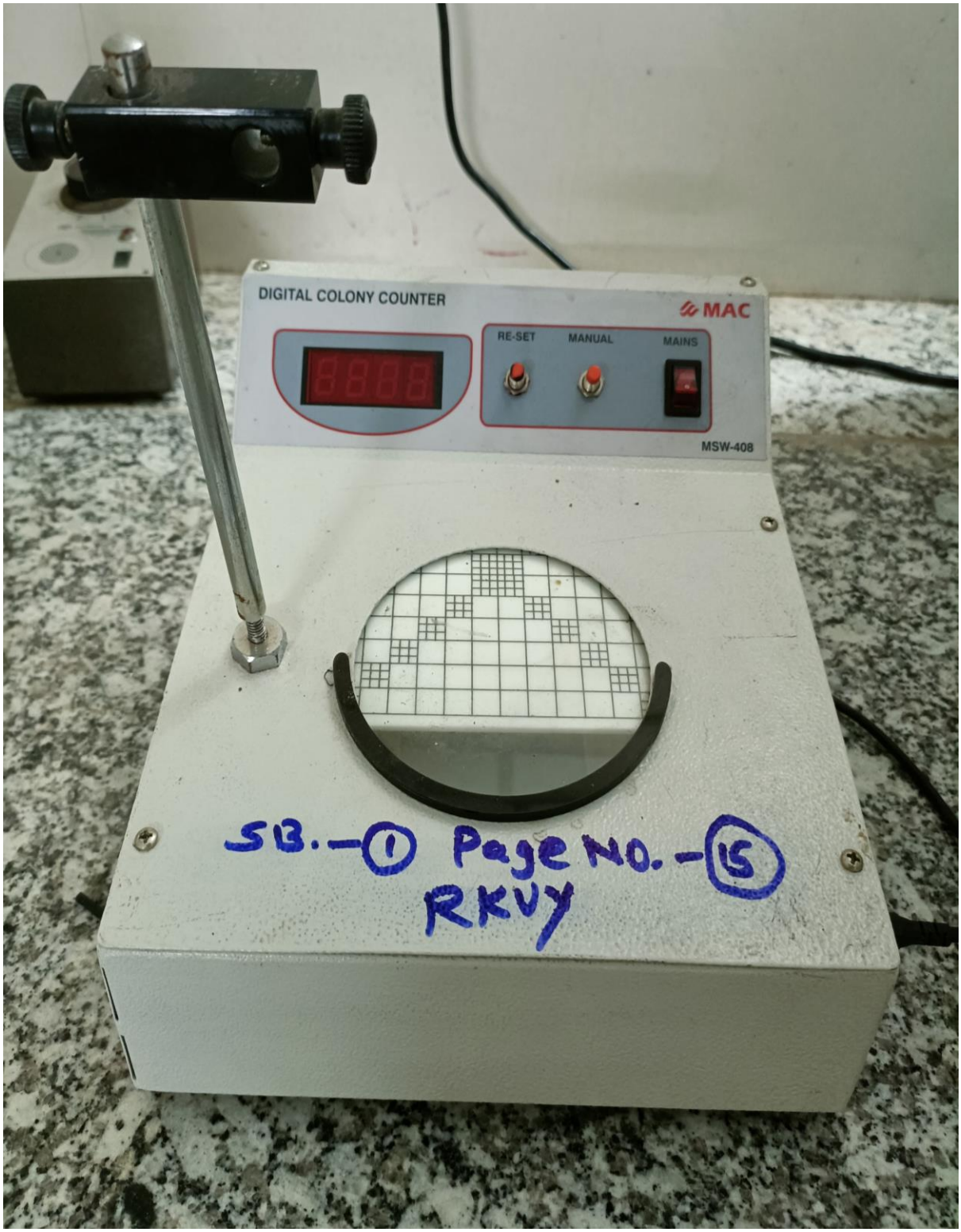
Micro centrifuge

Gel Doc System

Micro Plate Washer

Micro Plate Reader

Digital Colony Counter



Vertical Autoclave

Water Bath Shaker

Fermentation Unit

Florescent Microscope

Corcyra Rearing System

Utilities Fermenter Unit

Biogas Plant