

2.3.1 Survey, Project and Case Study

S.P.V.V.S'S
G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)

Affiliated to Rani Channamma University, Belagavi

Accredited at 'B' Grade (2.42 CGPA) by NAAC

E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile :
9611032604

2022-23

To
The Principal
GPP& VVS College
Sindagi

Subject : Permission to visit Water Purification Unit, Sindagi
Ref No: As per Rani Channamma University Syllabus, Belagavi

Respected sir

We the faculty of department of Botany along with BSc I semester students kindly request you to give the permission to visit the water purification unit at Sindagi on 13/12/22 for Practical experimental demonstrations and field observations as it is made compulsory according to Rani Channamma University syllabus . Therefore, we kindly request you to give permission to visit. Hope the authority will consider and oblige.

Thanking you.

Sindagi
Date : 10/12/22


Coordinator IQAC


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

Yours faithfully

S.S.Muttinpendimath

DEPARTMENT OF BOTANY

(Jyoti Angadi)



G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI - 586 128 (Dist : Vijayapur. Karnataka State)
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2022-23

Date: 11/12 /2022

To,
Head,
Department of Botany

Academic Year: 2021-22

Sub: Permission for visit water purification Unit.
Ref: Your letter dated 10/12 /2022

Sir/Madam,

With reference to subject cited above I herewith permit you for visit to
water purification unit for B.Sc. I semester students.

Thanking you,

Place: Sindgi

Date: 11/12 /2022


Coordinator, IQAC


HEAD
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128


Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt: Vijayapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234

S.P.V.V.S'S
**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128** (Dist : Vijayapur. Karnataka State)

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E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile :
9611032604

To,
The Chief Officer,
Town Municipal Corporation
Sindagi

Subject: Permission to Visit Water Purification Unit, Sindagi

Respected Sir,

We, the faculty of department of Botany along with BSc I Semester students kindly request you to give the permission to visit the water purification unit at Sindagi on 13/12/22 for Practical experimental demonstrations and field observations as it is made compulsory according to Rani Channamma University syllabus.

Therefore, we kindly request you to give the permission to visit.
Hope, the authority will consider and oblige.

Sindagi

Date: 12/12/22


Coordinator IQAC


Principal,
G.P.Porwal Arts, Comm. &
V.V.Salimath Sc. College
& P. G. Centre, SINDAGI

Yours Sincere

S.S.Mutinpendimath

DEPARTMENT OF BOTANY


J. P. Angadi


12/12/2022
ಗುಮಾಸ್ತ
ಪ್ರರಸಭೆ ಸಿಂಡಗಿ

LIST OF STUDENTS VISITING WATER PURIFICATION UNIT SINDGI

SL NO	REGD NO.	STUDENTS NAME	SIGN
1.	S0003	PALLAVI KUMBARA	Pallavi
2.	S0010	SANIYA SALIMAPATEL BIRADAR	Saniya
3.	S0012	ASHWINI BASAVARAJ YATNAL	Ashwini
4.	S0013	SHASHIDHAR BIRADAR	Shashidhar
5.	S0014	SHIVALEELA PATIL	Shivaleela
6.	S0022	MALLAMMA BIRADAR	Mallamma
7.	S0023	AJAYAKUMAR HOSAMANI	Ajayakumar
8.	S0024	MD SADIQ SHAIKH	MD Sadiq
9.	S0026	LAKSHMI	Lakshmi
10.	S0029	DANAMMA S HARNAL	Danamma
11.	S0035	MAHESHWARI S MATHAPATI	Maheshwari
12.	S0042	MALLIKARJUN	Mallikarjun
13.	S0047	BAPUGOUDA	Bapugouda
14.	S0055	AKSHATA	Akshata
15.	S0057	SAMEENA NADAF	Sameena
16.	S0060	PRAMOD PATIL	Pramod
17.	S0061	MAHANTESH JERATAGI	Mahantesh
18.	S0065	NIDANOUSHEEN NADAF	Nidanousheen
19.	S0066	TAMKEEN ABDULRAJAK YALAGI	Tamkeen
20.	S0069	VINOD P CHALAVADI	Vinod
21.	S0070	SACHITH S K	Sachith
22.	S0074	RUTIKA RAMESH PANDIT	Rutika
23.	S0075	PUSHPALATA M D	Pushpalata
24.	S0078	SAVITRI.SHIVAPPA .DHANNUR	Savitri
25.	S0079	ALMAS J ANGADI	Almas

26.	S0080	SOYAL RAJAK BALAGANUR	<u>Soyal</u>
27.	S0083	MAHANTESH M CHIGARI	<u>mahes.</u>
28.	S0085	SUSHMA BIRADAR	<u>sushma</u>
29.	S0089	VIVEKANAND.N.MUJAVAR	<u>Vivek</u>
30.	S0090	NEETA N PATTANASHETTI	<u>Neeta</u>
31.	S0091	ARNAZ ABDULHAMID SALODAGI	<u>Arnaz</u>
32.	S0092	BASAVARAJ MIRAGI	<u>Basav</u>
33.	S0094	APOORVA R KAMBALE	<u>Apoorva</u>
34.	S0099	AKSHTA PARASHETTI	<u>Akshta</u>
35.	S0103	MALINGRAYA.S,YARAGAL	<u>maline</u>
36.	S0104	VIKAS.GADDAD	<u>Vikas</u>
37.	S0106	RAXITA M JOGUR	<u>Raxita</u>
38.	S0107	AFREEN BEGUM	<u>Afreen</u>
39.	S0110	RADHIKA.RAMESH.PANDIT	<u>Radhika</u>
40.	S0112	ARUN SHRISHAIL NAIKODI	<u>Arun</u>
41.	S0113	KAVERI,CHOUDRI	<u>Kaveri</u>
42.	S0114	ABDUL QADIR JELANI	<u>Abdul</u>


HEAD
Dept. of Botany
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Co-ordinator IQAC
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Science College, SINDGI-586128. Dt.Vijayapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code:52

COLLEGE ROLL NO: 730

UNIVERSITY NO: U15NB22S074

S.P.V.V.S
G.P.PORAWAL ARTS COMMERCE & V.V.SALIMATH
SCEINCE COLLEGE SINDAGI – 586128
DIST – VIJAYAPUR



RANI CHANNAMMA



UNIVERSITY, BELAGAVI



DEPARTMENT OF BOTANY
2022-23

This is Clarify that Kumari Rutika Pandit 1st
semester Satisfactorily Completed the course of
Water **Purification Unit report** work in Botany, as
laid in the regulation of Rani Channamma
University Belagavi.


STAFF MEMBER INCHARGE


HEAD OF THE DEPARTMENT
G.P.P. & V.V.S. College
SINDGI - 586 128


Co-ordinator IQAC


Principal,

S.P.V.V.S
G.P.PORAWAL ARTS COMMERCE & V.V.SALIMATH
SCEINCE COLLEGE SINDAGI – 586128
DIST – VIJAYAPUR



RANI CHANNAMMA



UNIVERSITY, BELAGAVI



PROJECT REPORT

DEPARTMENT : BOTANY - 2022-23

DATE : 19-12-2022

NAME : RUTIKA PANDIT
SUBJECT : BOTANY-1
TITLE OF THE PROJECT: WATER PURIFICATION
CLASS : BSC 1ST SEM
REGISTER NO : U15NB22S074
ROLL NO : 72


HEAD
Dept of Botany


Coordinator


SUBMITTED BY

DEPARTMENT OF BOTANY

POND WATER PURIFICATION

Title : One Day field visit to pond water purification Vidya nagar Sindagi. 13-12-2022

Introduction :-

Objectives : To aware all the botany Students about pond water purification practical knowledge.

Main Content :- As a part of Botany Curriculum And Department activity was department arranged one day study pond water purification in Vidya Nagar Sindagi. Tq Sindagi Dist -Vjayapur we and our teachers **Shailaja and Jyoti Medam** are selected this spot for our study of practical knowledge. The water utilized for drinking as well as irriagation **A.J.R Natikar Junior Engineering And Ajad Malad** are Explain in the pond water purification method.

The Student Of B.sc 1st Sem were activity participated in the Study tour all the students were taken the advantage of this curriculum based study tour all the students observed in the pond water purification method.



Municipal Water Treatment Processes

CONVENTIONAL SURFACE WATER TREATMENT

Conventional surface water treatment plants are still being used throughout the United States. They typically consist of several steps in the treatment process. These include: (1) Collection ; (2) Screening and Straining ; (3) Chemical Addition ; (4) Coagulation and Flocculation ; (5) Sedimentation and Clarification ; (6) Filtration ; (7) Disinfection ; (8) Storage ; (9) and finally Distribution.

Let's examine these steps in more detail.

Collection – The source water for a municipal surface water treatment plant is typically a local river, lake, or reservoir. There must be a method to get this water to the water treatment plant. Quite often, a series of pumps and pipelines transport the water to the treatment plant. Sometimes, as is the case of San Angelo, water from a reservoir such as Twin Buttes can be transported to the water treatment plant via a river. Twin Buttes Reservoir is one of the water sources for San Angelo. The water is released into Lake Nasworthy where it is transported down the Concho River to the water treatment plant



At the water plant, large pumps are used to transfer the water up to the treatment facility. Treatment facilities are often engineered to utilize gravity water flow as much as possible to reduce pumping costs.

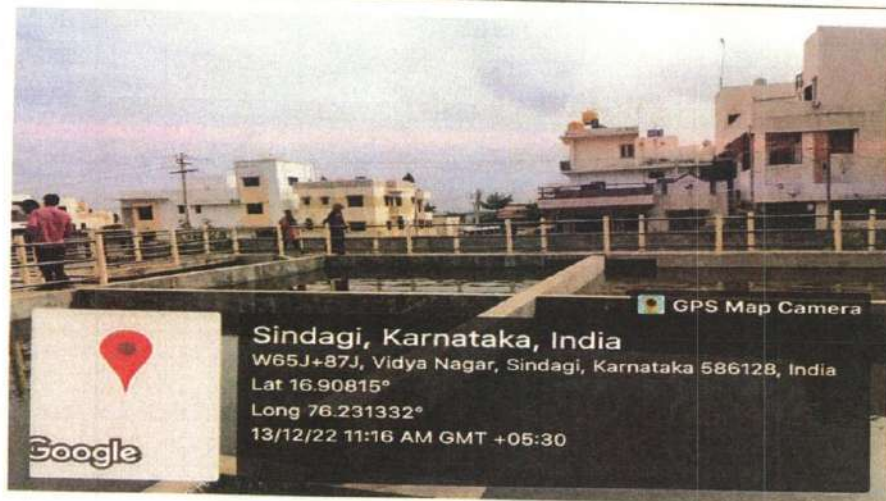
Many water treatment plants utilize water from more than one source. Blending groundwater with surface water is a method often used to improve the quality of the final product.

Screening and Straining – If you think about surface water sources, i.e., lakes, rivers, and reservoirs, you realize they contain varying amounts of suspended and dissolved materials. This material may include turbidity, color, taste, odor, microorganisms, fish, plants, trees, trash, etc. The material may be organic or inorganic, suspended or dissolved, inert or biologically active, and vary in size from colloidal to a tree trunk. Some of these larger items can impede equipment in the treatment process, such as a tree limb getting stuck in a water pump impeller. So the first process in conventional water treatment is to screen or strain out the larger items.


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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,



This is often accomplished using a large metal screen, often called a bar- screen, which is placed in front of the water source intake. Large items are trapped on the screen as the water passes through it. These screens must routinely be raked or cleaned off.

Chemical Addition – Once the pre-screened source water is received into the treatment plant, chemicals are added to help make the suspended particles that are floating in the water clump together to form a heavier and larger gelatinous particle, often called floc. In this process, a chemical is added that reacts with the natural alkalinity in solution to form an insoluble precipitate. There are many different chemicals on the market that are used in this process. These chemicals are called *coagulants*. One of the most common that has been used for many years is aluminum sulfate, or alum. Some other very



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G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234



popular coagulants are ferrous sulfate, ferric chloride, sodium aluminate, activated silica, and compounds called polymers that are manufactured chemicals made up of repeated small units of low molecular weight combined into molecules with very large molecular weights. These polymers are classified as cationic polymers (positively charged), anionic polymers (negatively charged), and nonionic polymers (neutrally charged). Regardless of which coagulant or combination of coagulants is used, they must be mixed very well with the water before they can form a heavier floc.

Coagulation and Flocculation - A rapid mix unit is usually used where the coagulant is added to the water to provide a very quick and thorough mixing. The water mixing is then slowed to allow the water to come in contact with the forming floc and allow it to increase in size.

SSM

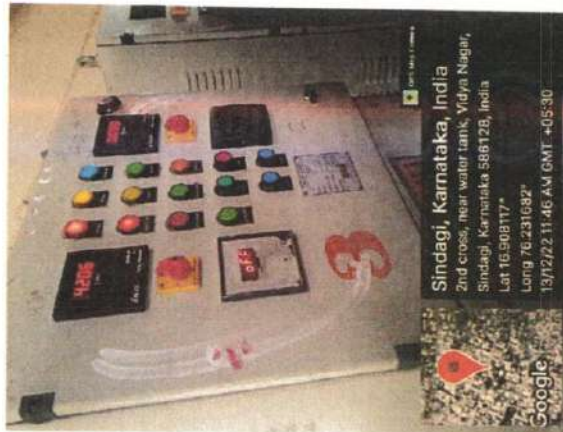


The continued mixing must be gentle to allow the floc to grow and gain weight, but fast enough to keep it in suspension until you are ready for it to settle in the clarifiers. The process of adding a chemical to cause the suspended material to “clump” into larger particles is called flocculation or coagulation. The treatment unit where coagulation and flocculation is performed is called the “flocculator”.

Sedimentation and Clarification – Once the flocculation process is complete, the water then passes over the weir in the flocculator and travels to the center of the clarifier, or sedimentation basin. Here, the water makes its way from the center of the clarifier to the saw tooth weir at the perimeter of the unit.

As the water makes its way towards the weir, the large floc particles are allowed to settle out to the bottom of the clarifier. A rake continuously travels across the bottom of the clarifier and scrapes the settled floc to the center of the unit. Pumps are used to pull the settled “sludge” out of the clarifier and send it to a sedimentation / disposal pond. The water that passes over the weir is collected and transferred to the filters. The reason clarification occurs before filtration is so the majority of suspended material can be removed prior to filtration, which avoids overloading the filters and thus allowing much more water to be filtered before the filters must be backwashed.

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Filtration – Clarified water enters the filters from the top. Gravity pulls the water down through the filters where it is collected in a drain system at the bottom of the unit. There are many different types of materials (media) used in filters. The most common being sand and gravel. Many conventional plants are now using granular activated carbon as the media of choice because it not only provides excellent mechanical filtration of particulate matter, but also removes organic compounds which can cause taste and odor problems.

Disinfection – Once the water has gone through the filtration process, it is about as clear and clean as it can get. However, there may still be bacteria and viruses remaining. To ensure these are destroyed, there must be a disinfection process employed. The most common disinfection process used in the United States is chlorination. Chlorine comes in many different forms including chlorine gas (most common), chlorine dioxide, hypochlorite (bleach), and others. Whichever method is used, chlorine is added to the water in an amount to ensure all microorganisms are destroyed. Water plants monitor the chlorine levels continuously and very carefully in the treated water. They must add enough chlorine to

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ensure thorough disinfection of the water, but avoid adding excesses that can cause taste and odor problems when delivered to the consumer.

Storage – Once the disinfection process is complete, the water is stored. Storage usually takes place in an underground storage tank called a “clear well”, and also in elevated storage tanks that are visible around town. There must always be an ample supply of water available in the event of emergencies. These can include power outages, fires, floods, etc.

Distribution – So how does the water come out of your kitchen tap? The stored water is pushed through underground pipelines all over town in what is called a “distribution system”. The distribution system consists of large water pumps at the treatment plant, overhead water storage tanks, large pipelines, smaller pipelines, fire hydrants, valves, and water meters in your front yard.

Note: *All of the treatment processes listed above are not necessarily used at the San Angelo Water Treatment Plant. This document is meant to give a general description of processes typically used in the treatment of municipal water.*

ACKNOWLEDGEMENT

We express our profound gratitude and sincere thanks to pro : D M Sarashetti sir HOD Department of Zoology and Sudhakar Chavan sir it gives us grate pleasure to acknowledge all kind of encouragement that we have received from them during project work.

We also express sincere thanks to all our friends who helped us during visit and in the preparation of this report.


HOD
Dept. of Zoology,
C.P.Porwal Arts, Commerce & Science
College, SINDAGI, Dist: Vilavapur


Co-ordinator IQAC
C. P. Porwal Arts, Comm & V. V. Salimath
Science College, Sindagi, Dist: Vilavapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDAGI-596128. College Code: 596128

To,

The Principal

G.P.Porwal Arts, Commerce &

V.V.Salimath Science college

Sindagi-586128

Sub: Seeking Permission for ZOOLOGY Field visit

Respected Sir,

With reference to the subject cited above here with the staff Members of Zoology requesting you to please sanction permission to visit C.K.Riyaz Broiler Poultry farm at Gangavati on 19/01/2023. Which is made compulsory for the B.Sc.V Sem students according to RCUB Syllabus.

Hope the authority will consider and sanction.

Thanking You

Sindagi.

Date:16/01/2023


Yours faithfully,
HOD

Dept. of Zoology,
G.P.Porwal Arts, Commerce & Science
College, SINDAGI, Dist: Vijayapur

Copy to:

IQAC & Chairman, Tour committee

For necessary action.

Note: List of the students enclosed here with.


Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDAGI-586128, Devdargapur


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDAGI-586128, College Code:5734



S.P.V.V.S'S

G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE

COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)

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E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

PERMISSION LETTER

With reference to your letter dated 16/01/2023 I am permitting you to go to field visit with B.Sc.V Sem students of ZOOLOGY Department on 19/01/2023 which is mentioned in the Syllabus of **RCUB**.

SINDAGI.

DATED: 17/01/2023

PRINCIPAL

G. P. Porwal Arts, Commerce
and V.V. Salimath Science and
P.G. Centre, Sindgi-586128
Dist: Vijayapur.

Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dist: Vijayapur

HOD

Dept. of Zoology,
G.P.Porwal Arts, Commerce & Science
College, SINDAGI. Dist: Vijayapur

**G P PORWAL ARTS, COMMERCE & V. V. SALIMATH
SCIENCE COLLEGE SINDAGI
DEPARTMENT OF ZOOLOGY
FIELD VISIT-2022-23**

LIST OF STUDENTS

Sl No.	Reg.No	Name of the Student	Class	Sign
1	S2032402	AISHWARYA S HIREMATH	B.Sc- VSem	<i>Adho</i>
2	S2032407	AKSHAYAKUMAR M ANGADI	B.Sc- VSem	<i>Amay</i>
3	S2032408	AMBIKA	B.Sc- VSem	<i>AB</i>
4	S2032410	ANIL PARAMANAND	B.Sc- VSem	<i>Anil</i>
5	<i>S2032512</i>	SHAIL DODAMANI	B.Sc- VSem	<i>S.S. Dodamani</i>
6	S2032420	BHAGYA BIRADAR	B.Sc- VSem	<i>Biradar</i>
7	S2032422	BHAGYASHREE ANAGOND	B.Sc- VSem	<i>Anagond</i>
8	S2032430	BHAGYASHREE S HATTARAKI	B.Sc- VSem	<i>B.H.H</i>
9	S2032434	BIBI AISHA S JUMNAL	B.Sc- VSem	<i>AJ</i>
10	S2032450	KASHIMSAB KHARJAGI	B.Sc- VSem	<i>K</i>
11	S2032454	KEERTI TARAPUR	B.Sc- VSem	<i>Keerti</i>
12	S2032466	NADAF NAJIYA BABULAL	B.Sc- VSem	<i>Nadaf</i>
13	S2032467	NAGESH T RATHOD	B.Sc- VSem	<i>Rathod</i>
14	S2032470	NEELAMMA S MARSANALLI	B.Sc- VSem	<i>Neelamma</i>
15	S2032473	PAVANKUMAR KANNOLLI	B.Sc- VSem	<i>PK</i>
17	S2032487	RADHIKA R KULAKARNI	B.Sc- VSem	<i>Ril</i>
18	S2032494	RAVITEJ PATIL	B.Sc- VSem	<i>Ravitej</i>

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8105473648

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9113838363

HOD

Dept. of Zoology,

Co-ordinator IQAC

G. P. Porwal Arts, Comm. & V. V. Salimath Science College Sindagi

Principal

G. P. Porwal Arts, Comm. & V. V. Salimath Science College Sindagi

19	S2032500	SAGAR	B.Sc- VSem	<i>Beet</i>	6362198185
20	S2032503	SANA U H	B.Sc- VSem	<i>Suh</i>	9972691116
21	S2032509	SANTOSH S KADAGOL	B.Sc- VSem	<i>Suh</i>	7204277633
22	S2032515	SHANTAGOUDA	B.Sc- VSem	<i>Beet</i>	6362250550
23	S2032516	SHARANABASU C A	B.Sc- VSem	<i>Beet</i>	8197709831
24	S2032517	SHARAT G SURYAVANSHI	B.Sc- VSem	<i>Beet</i>	7259265779
25	S2032521	SHIVRAJKUMAR	B.Sc- VSem	<i>Shivraj</i>	6366148437
26	S2016277	SHREELAXMI B KALLUR	B.Sc- VSem	<i>Beet</i>	6361524156
27	S2032526	SHWETA DEVANAGAV	B.Sc- VSem	<i>Shweta</i>	6360322599
28	S2032528	SIDDAMMA P VALIKAR	B.Sc- VSem	<i>Shikol</i>	9740043616
29	S2032541	SWATI S HARNAL	B.Sc- VSem	<i>Swati</i>	9591449124
30	S2032492	RANJEET CHAVAN	B.Sc- VSem	<i>Ranjan</i>	9008436406

HOD

Dept. of Zoology,
G. P. Porwal Arts, Commerce & Science
College, SINDAGI, Dist: Vijayapur

SSM

Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDAGI-586128, Dt:Vijayapur

Principal,

G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDAGI-586128, College Code: 5294

ಮಾಚಿಕ್ಕಿಳಿರೆ ಪತ್ರ

ಈ ಕೆಳಗೆ ಸಹಿ ಮಾಡಿದ ನಾನು ಟಿ.ಎಸ್ಸಿ.5 ನೇ ಸೆಮೆಸ್ಟರ್‌ನ ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗದ ಆಪ್ತರೂ ಅರಸಿ ಹುಡುಗೊಳ್ಳುವವನೊಂದಿಗೆ ರಾಣಿ ಜೊನ್ನೆಯ ವಿಶ್ವ - ವಿದ್ಯಾಲಯದ ಪಠ್ಯಕ್ರಮದಂತೆ ನಾನು ಒಂದು ದಿನದ ಕ್ಷೇತ್ರ ವಿದ್ಯಾರ್ಣನ ಹೋಗುತ್ತಿದ್ದೇನೆ. ಪ್ರವಾಸದ ಸಂದರ್ಭದಲ್ಲಿ ಯಾವುದೇ ಅನಿರೀಕ್ಷಿತ ಸಂದರ್ಭಗಳಿಗೆ ಮತ್ತು ಸಾಮಾನ್ಯವಾಗಿ ಯಾವುದೇ ಚುಚ್ಚಿ ಬರಹದಂತೆ ಎಚ್ಚರಿಕೆ ಹೂಡುತ್ತೇನೆ. ಮತ್ತು ಪ್ರಾಧ್ಯಾಪಕರ ವರ್ಗದವರಾದಂತೆ ನಡೆದು - ಕೊಳ್ಳುತ್ತೇನೆ.

ಇದರ ನಡುವೆ ಏನೇ ಆದರೂ ಈ ವಿಷಯದ ಬಗ್ಗೆಯೇ ಇನ್ನೇ ನಾವು ಬದಲಾಗಿದ್ದೇವೆ. ಉತ್ತರ ಈ ಪ್ರವಾಸಕ್ಕೆ ನಮ್ಮ ವಿಚಾರ ಅನುಮೋದನೆಯನ್ನು ಹೋಗಿರಾತ್ತೇನೆ.

ನಿಂತ,

ದಿನಾಂಕ: 19/01/2023

ಆಪ್ತ ವಿದ್ಯಾರ್ಣ ;

ಹೆಸರು

ಸಹಿ

1> ಅಂಜಿತಾ.ಜಿ. ಬಾಗದರ್

ಅ

2> ರಾಜೀಶ್. ರಾ. ಕಂಬಾರ್

Pril

3> ಗೌರಿ. ಹರನಾಥ

ಅ

4> ಶ್ರೀಲಕ್ಷ್ಮಿ ಕಲ್ಲೂರ

ಅ

5> ಸುನಿ.ಬಿ. ಹಸರಗುಡಗಿ

Suh

6> ಕ್ಷೇತ್ರ. ಎಂ. ಹೇಮಲಿಂಗಂ

Shureta

7> ಬಿಬಿ ಕಿಷೋರಿ.ಕೆ. ಬುಮನಾಥ

ಅ

8> ಕೆ.ಆರ್. ಸು. ಅಶ್ವಿನಿ

ಅ

~~HOD~~

Dept. of Zoology,
G. P. Porwal Arts, Commerce & Science
College, SINDAGI, Dist: Vijayapur

SLM

Principal,

G. P. Porwal Arts, Comm. &
Salimath Sc. College,
SINDAGI-586128, College Code: 5134

139c - V⁹¹ -
2022-23

S.P.V.V.S
G.P.PORAWAL ARTS COMMERCE & V.V.SALIMATH
SCIENCE COLLEGE SINDAGI - 586128
DIST - VIJAYAPUR



RANI CHANNAMMA UNIVERSITY
BELAGAVI.

PROJECT REPORT 2022-23

DEPARTMENT OF ZOOLOGY

VISIT TO POULTRY FORMING

DATE : 07-02-2023

DEPARTMENT OF ZOOLOGY


HOD

Dept. of Zoology,
G.P.Porwal Arts, Commerce & Science
College, SINDAGI, Dist: Vijayapur



Co-ordinator IQAC
G. P. Porwal Arts, Comm. & V. V. Salimath
Science College, SINDAGI-586128, Vijayapur



Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDAGI-586128, College Co-Ordg



COLLEGE ROLL NO:105

UNIVERSITY NO: S2032466



S.P.V.V.S

**G.P.PORAWAL ARTS COMMERCE & V.V.SALIMATH SCIENCE COLLEGE
SINDAGI – 586128 DIST – VIJAYAPUR**



RANI CHANNAMMA



UNIVERSITY, BELAGAVI



CERTIFICATE

DEPARTMENT OF ZOOLOGY

Paper-1

2022-2023

This is Clarify that **Kumari Naziya Nadaf** she is the student of B.Sc 5th semester has satisfactory completed the course of field work in Zoology Paper 1 under my supervision as laid in the regulation of Rani channamma university Belagvi.

Date : 07-02-2023

STAFF MEMBER INCHARGE

HOD

HEAD OF THE DEPARTMENT
Dept. of Zoology
G.P. Porwal Arts, Commerce & Science
College, SINDAGI. Dist: Vijayapur

EXAMINAR:

- 1)
- 2)

Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDAGI-586128. Dist: Vijayapur

Principal,

G. P. Porwal Arts, Comm. &
V. Salimath Sc. College,
SINDAGI-586128. Dist: Vijayapur

THIS IS TO CERTIFY THAT WE HAVE SATISFACTORILY
COMPLETED THE COURSE OF **POULTRY VISIT**

SUBMITTED BY

REG NO	NAME	SIGN
S2032466	NAZIYA NADAF	

DATE :07-02-2023


LECTURER INCHARGE

INTRODUCTION

We the students of zoology 5th semester along with ,professor:D M sarshetti sir and :sudhakar chavan sir : shri Basavaraj sunagar Lab Attender on date visited Location- Gangavati(poultry faram) Located at Malakanmardi. Tq gangavati. It is very important for us to study poultry farm. Hence we visited the poultry farm for study purpose.

POULTRY FORMING

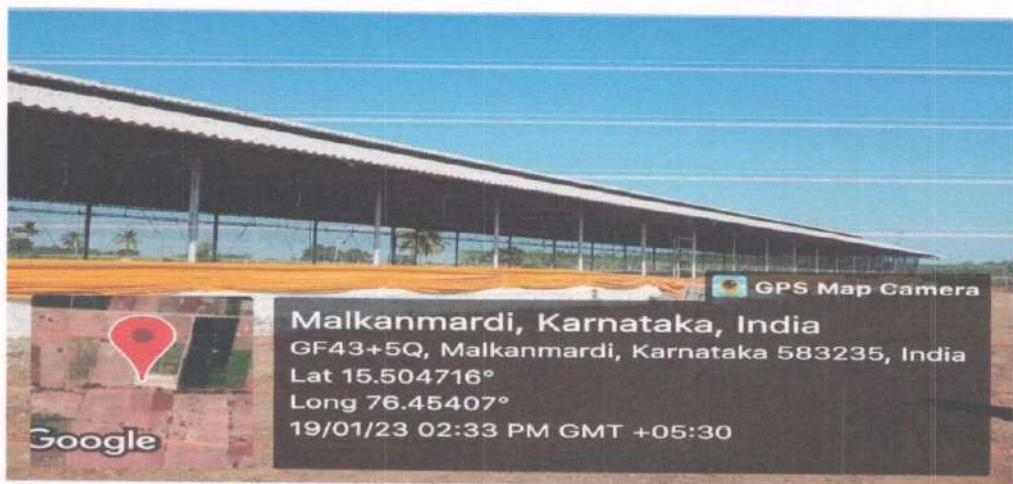
Location: Malakanamaradi, Gangavati distric : Koppala

Manager/Head : Mehaboob Paasha

Supervisor : Saif

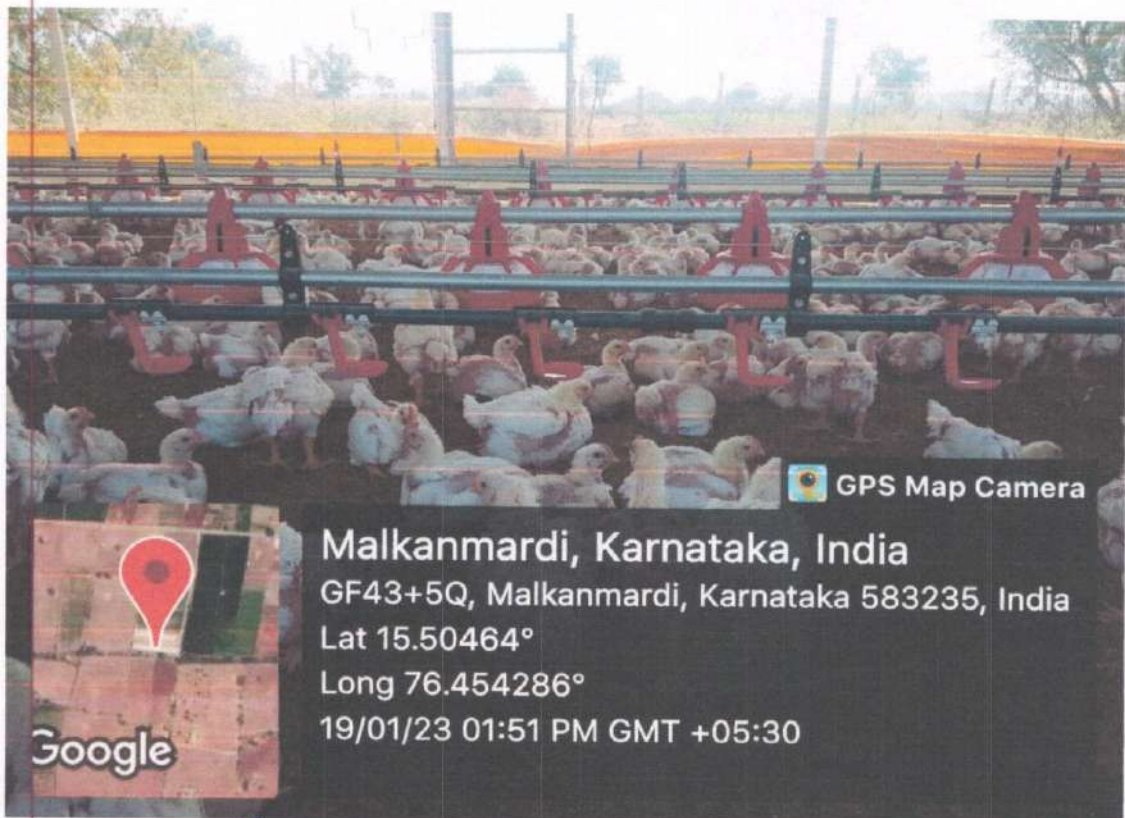
INTRODUCTION :

- Complete one acres of land is used for poultry.
- There were about 12,000 birds in the poultry.
- Birds were kept in open shades.
- Birds were in deep little system.
- Birds were 23 days old.
- At the day of 23 they weigh about 3kg.
- Birds were boilers.
- At the 1st day of caring, they weigh only about 40-42 grams.
- They purchase or adopt of the birds from Chittur, Andra Pradesh and even from Hossur, Bangalore
- The bird cost about 45rs.



FACILITIES :

- They were kept or maintained in open sheds with shelter and proper air move.
- Water facility is arranged through drip system.
- The placement beds were done through the rice bran which is too smooth because of the delicate legs of chicken.
- Shifting of the birds is done once a week.
- Temperature maintenance is done through screening.
- At day time the screening is taken off and at the night time screening is done.



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POULTRY FEEDINGS

- Feedings is done at the evening time because that is it cannot bend and consume food at day time.
- Since boilers are raised fir meat they are fed with protine and fat rich food.
- They consume about 4kg of food.
- They gain weight about 4kg.
- Food material: Maize and medicine which contains anti biotic, grains.
- Food : The food is processed in steps.
 - Pre stater : 1-10 Days (500grams)
 - Stater : 11-23 Days (1kg)
 - Finisher : 24-42 Days (2.5kg)

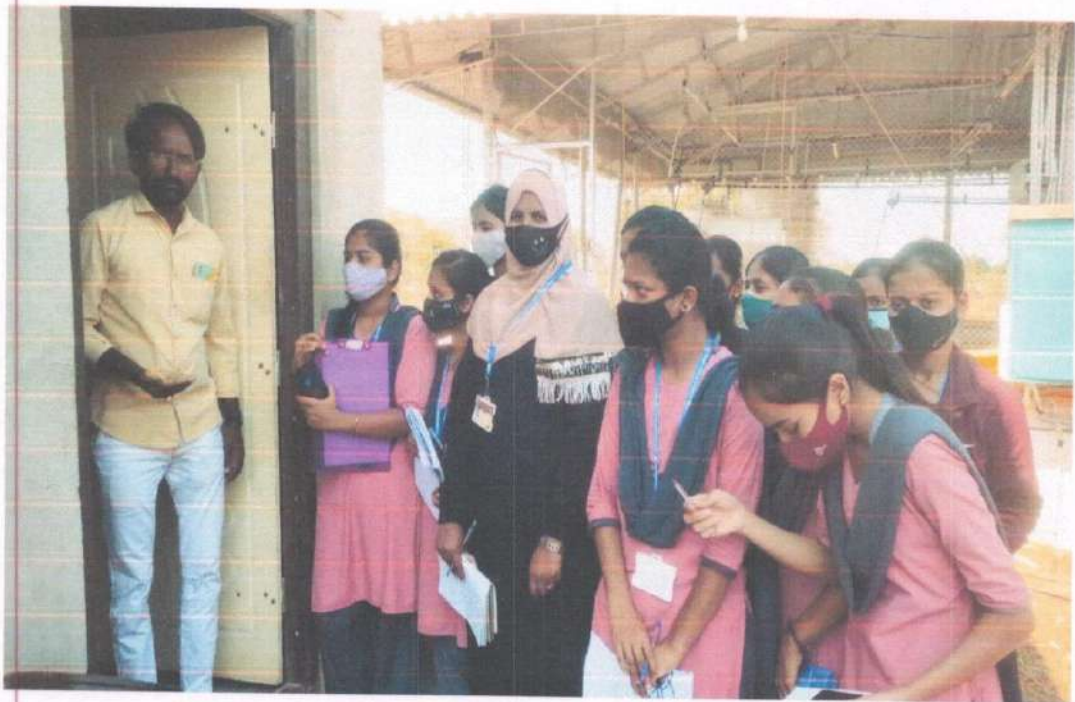


PREVENTION AND VACCINATION :

- Usually no permanent treatment for CID and CRD
- Within 43 Days of harvesting the vaccination is done for 3 times
 - First vaccination 5th day – LASOTA
 - Second vaccination 8-13 Days- IBD
 - Third vaccination 23rd days – LASOTA
 - Lasota vaccine was used to control the disease
 - The chances of disease to the birds or more only after 28 Days







10m

8

✓



S.P.V.V.S'S
G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)
Affiliated to Rani Channamma University, Belagavi
E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DEPARTAMENT OF CHEMISTRY

Date: 15/12 /2021

2021-22

Academic Year: 2021-2022

To,
The Coordinator,
IQAC

Sub: Request for Permission to EXTENSION ACTIVITY

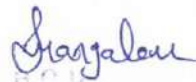
Sir/Madam,

With reference to subject cited above I would like to bring to your kind information that; DEPARTAMENT OF CHEMISTRY is going to Visit field work for Safety measureses taken while using pesticides release for all B.Sc students, Kindly permit us the same for the welfare of our students.

Hoping that the authority will do the needful and oblige

Thanking you

Place; Sindgi
Date: 15/12/2021



Dept. of Chemistry
G P Porwal Arts, Commerce, &
V V Salimath Science College
SINDGI-586128


Coordinator IQAC
G P PORWAL ARTS, COM &
V. V. SALIMATH Sc. College.
SINDGI-586128.


Principal,
G. P. Porwal Arts, Commerce &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 525



S.P.V.V.S'S
G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)
Affiliated to Rani Channamma University, Belagavi
E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DEPARTMENT OF CHEMISTRY

Date: 16/12/2021

Academic Year: 2020/2021

To,
DEPARTMENT OF CHEMISTRY

Sub: Permission to EXTENSION ACTIVITY
Ref: Your letter dated 15/12/2021

Sir/Madam,

With reference to subject cited above I herewith permit you to Visit field work for Safety measures taken while using pesticides release For all B.Sc students.

Thanking you

Place: Sindgi
Date: 16/12/2021

Coordinator, IQAC

G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,
SINDGI-586128.


Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,
SINDGI-586128.


Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234



S.P.V.V.S'S

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128** (Dist : Vijayapur. Karnataka State)

Affiliated to Rani Channamma University, Belagavi

E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DATE:20/12/21

DEPARTMENT OF CHEMISTRY

NOTICE

It is hereby informed to all the BSc students Visit field work for Safety measures taken while using pesticides release at will be conducted on 05/09/2019. So kindly attend the class without fail.

Kangale
H.O.D.

Dept. of Chemistry
G. P. Porwal Arts, Comm. &
V. V. Salimath Science College
SINDGI-586128

[Signature]
Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College
SINDGI-586128

[Signature]
Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234

Department of Chemistry

Extension Activity For B.Sc IV Semester
Year 2020-21 Date 21/12/2021

Safety measures taken while using pesticides.

The following students participated in this extension activity in many village farmer fields.

S.No	Name	Register No	Signature
01	Neelambika	SI928875	<u>Preddy</u>
02	Rajashree	SI928904	<u>R</u>
03	Sneha Hiremath	SI928977	<u>Su</u>
04	V.vidyashree	SI928964	<u>Q</u>
05	Kavui S. Kolari	SI928847	<u>K.S. Kolari</u>
06	Praveen. P. M	SI928895	<u>PPM</u>
07	Raj. S. K.	SI928907	<u>Raj</u>
08	Praveen. G. Angadi	SI925128	<u>Angadi</u>
09	Manoj. G. Kodkar	SI928867	<u>Manoj</u>
10	Nagesh - M - Bixadon	SI928870	<u>Nagesh</u>
11	Bhagyashree M. Awaradi	SI928820	<u>BMA</u>
12	MAMATASHREE. P. R	SI928865	<u>R.P.</u>
13	Shruti. Kalyak	SI928948	<u>S.V. Nayak</u>
14	Sudha Hangargi	SI928956	<u>Sudha</u>
15	Shruti Kamble	SI928946	<u>Shruti</u>
16	Shreedevi Hangargi	SI928944	<u>Shree</u>
17	Snigdha Waganur	SI928940	<u>Snigdha</u>
18	Javeriya. S. Mujawar	SI928843	<u>Javeriya</u>
19	Asha Teratagi	SI928816	<u>Asha</u>
20	Tarini, Chavan	SI928856	<u>Tarini</u>
21	Sandeep Padashetti	SI928922	<u>Sandeep</u>
22	Davalambika Hippargi	SI928826	<u>D. Hippargi</u>

r.No.	Name	Registration No.	Signature
01)	Raju. madivalakur	SI928908	
02)	Praveen. G. Angad	SI925128	
03)	Vijaya Kumar. Kudagi	SI928970	
04)	Dovindrappa. Boragi	SI9282828	
05)	Mantesh. Sajjan	SI928857	
06)	Gautam. Pujan	SI928833	
07)	Praveen. Marathe	SI928895	
08)	Siddanagoud. Choudary	SI928450	
09)	Shankaragoud. Ronggi	SI928935	
10)	Siddaling. Gundumani	SI928949	
11)	Mallanagoud. Boradkar	SI928861	
12)	Malappa Guddyal	SI928860	
13)	Mantij. Godekar	SI928867	
14)	Chetan	SI92825	
15)	Rahul. Hadapad	SI928903	
16)	Seipam. B. K	SI928918	
17)	Hamid pater	SI928042	
18)	Sandeep. Padarkhetti	SI92892	
19)	Satish. Hosmani	SI928926	
20)	Shivasharan. N. Choudapur	SI928941	
21)	Danalmalik. Hippasagi	SI928826	
22)	Vishwanath. R. Dyomogond	SI928973	
23)	VAIbhaw. I. Mali	SI928965	
24)	Vivek. S. M	SI928975	
25)	Varun. Shetty	SI928966	
26)	Abhishek. Patil	SI928801	
27)	Songam. Ch. Awarar	SI928900	
28)	Ranajesh K. Kattimani	SI928923	
29)	prajwal patkar	SI928891	

- 23) Saipam. B. Katnalli 51928918 S.B. Katnalli
 24) Vaibhav. I. Malli 51928965 V. Malli
 25) Vivek. Mathapati 51928975 V. Mathapati
 26) Santosh Kanti nani 51928923 S. Kanti nani
 27) Sharanabasu. Hugar 51928937 S. Hugar
 28) Anil Kumar. Guttadar 51928813 A. Guttadar
 29. Siddaling. H. 51928949 S. Siddaling
 30) chetan 51928825 C. chetan
 31) Mallanagoud N.B 51928861 M.B.

Coordinator IQAC

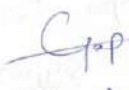
Principal,

G.P.Porwal Arts, Comm. &
 V.V.Salimath Sc. College
 & P. G. Centre, SINDAGI

Shangabur

H.O.D.

Dept. of Chemistry
 P Porwal Arts & Comm.
 V V Salimath Science Coll
 SINDAGI - 586 128

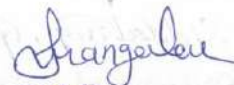
- 30) Naresh Giradhas 51928870 
- 31) Mohu - S - H 51928862 
- 32) Sankash - B 51928924 
- 33) Gajanan Pawar 51928832 
- 34) Raju Kesavathi 51928907 
- 35) Anand Hachhad 51928812 


Chairperson IQAC


Principal

G.P. Porwal Arts, Comm. &
V.V. Salimath Sc. College
& P. G. Centre, SINDAGI




H.O.D.

Dept. of Chemistry
G.P. Porwal Arts
& V.V. Salimath Science College
SINDAGI - 586 128



S.P.V.V.S'S
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E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DEPARTAMENT OF CHEMISTRY

Date: 06/12 /2021

Academic Year: 2021-2022

To,
The Coordinator,
IQAC

Sub: Request for Permission to EXTENSION ACTIVITY

Sir/Madam,

With reference to subject cited above I would like to bring to your kind information that; DEPARTAMENT OF CHEMISTRY is going to Visit field work for Awereness about food adultration for all B.Sc 1st sem students, Kindly permit us the same for the welfare of our students.

Hoping that the authority will do the needful and oblige

Thanking you

Place; Sindgi

Date: 06/12/2021


H.O.D.
Dept. of Chemistry
G. P. Porwal Arts & Comm. Sc. &
V. V. Salimath Science College
SINDGI - 586 128


Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128, College Code: 5221


Coordinator IQAC
G. P. PORWAL ARTS, COM
V. V. SALIMATH Sc. Colleg
SINDGI-586128.



S.P.V.V.S'S
G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
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E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DEPARTAMENT OF CHEMISTRY

Date: 08/12/2021

To,
DEPARTAMENT OF CHEMISTRY

Academic Year: 2021/2022

Sub: Permission to EXTENSION ACTIVITY
Ref: Your letter dated 06/12/2021

Sir/Madam,

With reference to subject cited above I herewith permit you to Visit field work for
Awereness about food adultration For all B.Sc 1st sem students.

Thanking you

Place: Sindgi
Date: 08/12/2021

Coordinator,IQAC

Mangalam
H.O.D.

Dept. of Chemistry
G. P. Porwal Arts & Commerce Sc. &
V. V. Salimath Science College
SINDGI-586128

[Signature]
Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College
SINDGI-586128.

[Signature]
Principal,
G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234



S.P.V.V.S'S

**G.P.PORWAL ARTS, COMMERCE AND V.V.SALIMATH SCIENCE
COLLEGE, SINDGI – 586 128** (Dist : Vijayapur. Karnataka State)

Affiliated to Rani Channamma University, Belagavi

E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

DATE: 09/12/21

DEPARTMENT OF CHEMISTRY

NOTICE

It is hereby informed to all the BSc 1st sem Students Visit field work for Awareness about food adulteration at will be conducted on 10/12/2021. So kindly attend the class without fail.

Hangale

H.O.D.

Dept. of Chemistry

G. P. Porwal Arts, Commerce &
V. V. Salimath Science College
SINDGI - 586 128

[Signature]

Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,
SINDGI-586128.

[Signature]

Principal,

G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234

DEPARTMENT OF CHEMISTRY
Extension Activity For B.Sc. I Semester
Year 2021-22

FOOD ADULTERATION IN DAY TO DAY LIFE

The following students participated in this Extension Activity.

Sl. No.	Name of Student	Register No.	Signature
1)	Shakuntala T. Kamble	120	<u>Kamble</u>
2)	Bhagyashree M. Ukane	118	<u>Bhale</u>
3)	Bhagyashree S. Warad	061	<u>Bhale</u>
4)	Muskan M. Mulla	143	<u>Muskan</u>
5)	Laxmi S. Deyga	121	<u>Laxmi</u>
6)	Shrushti B. Hachhad	091	<u>Shrushti</u>
7)	Gurubai S. Patil	0072	<u>B</u>
8)	Godavari Kori	098	<u>Godavari</u>
9)	Bhuvaneshwari N. Nikam	0031	<u>B.N.</u>
10)	Mubbenra Binadar	0007	<u>M.R.B</u>
11)	Varishree Mudalagi	0012	<u>Varishree</u>
12)	Roopa. Patil	0032	<u>Patil</u>
13)	Shanta. Math	152	<u>Shanta</u>
14)	Bhavani C. G	0129	<u>Bhavani</u>
15)	Varita B. K	0144	<u>Varita</u>
16)	Rakha Binadar	157	<u>Rakha</u>
17)	minita. Bajantri	0055	<u>minita</u>
18)	Ashwini. Vaggan	075	<u>Ashwini</u>
19)	Ajain A. K	0014	<u>A.A.K</u>

DEPARTMENT OF CHEMISTRY
Extension Activity For B.Sc. I Semester

Year 2021-22

FOOD ADULTERATION IN DAY TO
DAY LIFE

Participants opinion:-

1) This was very helpful in understanding the difference between natural & synthetic products.

- Seemab.

2) The activity was very fine experience. The overall experience is good.

→ nahodene

3) Knowing the side effects of food adulterants was really helpful

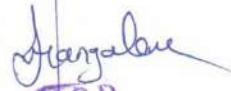
→ Margab
H.O.D.
Dept. of Chemistry,
G.P. Porwal Arts & Comm. Sc. &
V.V. Salimath Science College
SINDGI-586128.

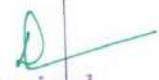
Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,
SINDGI-586128.

Principal,
G.P. Porwal Arts, Comm. &
V.V. Salimath Sc. College
& P. G. Centre, SINDGI.

Sl. No.	Student Name	Registered No.	Signature
20]	Nelora. k. Dyama	112	N Dyama
21]	Aleya. Shaikh	015	Shuk
22]	Laxmi Bhador	008	LB
23]	Shantaver. Khedakar	130	Shantaver
24]	Abhishck. Deginal	086	AB
25]	Basayya Sravaramath.	070	B.S.S
26]	Paigambar. Nado	036	P. Nado
27]	Chandrashekhar.	016	Chandrashekhar
28]	Honresh. S.D	052	HS
29]	Shreekant. Salotagi	093	SK
30]	Hithaishi Desai	110	HD


Coordinator IQAC
 G. P. PORWAL ARTS, COM &
 V. V. SALIMATH Sc. College,
 SINDAGI-586128.


H.O.D.
 Dept. of Chemistry
 G. P. Porwal Arts & Comm. College
 V. V. Salimath Science College
 SINDAGI - 586 128


Principal,
 G.P. Porwal Arts, Comm. &
 V.V. Salimath Sc. College
 & P. G. Centre, SINDAGI.

CONCLUSION :-

Field trip and excursion are important components of a student development. Even we got some benefits and enjoyment and mutual understanding during field visit.

As the trip was study purpose, we gained the knowledge through environmental things.

The student's efforts got completed successfully. Thus the plant physiology field trip 2019 has come to a full circle as we touched our college campus at about 9:15 pm.




HEAD
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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234



S.P.V.V.S'S

G.P. PORWAL ARTS, COMMERCE AND V.V. SALIMATH SCIENCE

COLLEGE, SINDGI – 586 128 (Dist : Vijayapur. Karnataka State)

Affiliated to Rani Channamma University, Belagavi

Accredited at 'B' Grade (2.42 CGPA) by NAAC

E-mail: gppprincipal@gmail.com

Web: www.gppvvs.ac.in

Ph: 08488-221244 Mobile : 9611032604

Ref. No.:.....

Date :

Department of Botany

Academic Year: 2019-20

Date: 29/08/2019

To,
The Coordinator,
IQAC

Sub: Request for Permission to Field Visit

Sir/Madam,

With reference to the subject cited above, we the faculty of department of botany would like to bring to your kind information that along with B.Sc III Sem (CBZ) students, planned for field visit to Kudalasangam via Devarahippuragi on 03/09/2019 which is made compulsory in syllabus of RCU, Belagavi. Kindly permit us the same for the welfare of our students.

Hoping that the authority will do the needful and oblige.

Thanking you

Place; Sindgi
Date: 29/08/2019


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Department of Botany
Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128


Co-ordinator IQAC
G. P. Porwal Arts, Comm & V. V. Salimath
College, Sindgi - 586 128


Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
Sindgi - 586 128



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E-mail: gppprincipal@gmail.com Web: www.gppvvs.ac.in Ph: 08488-221244 Mobile : 9611032604

Ref. No.:.....

Date :

Academic Year: 2019-20

Date: 31/08/2019

To,
Head,
Department of Botany

Sub: Permission to Field visit to Kudalasangam

Ref: Your letter dated on 29/08/2019

Sir/Madam,

With reference to subject cited above I herewith permit you to go for field visit to Kudalasangam via Devarahippuragi on 29/08/2019 for B.Sc III semester students.

Thanking you,

Place: Sindgi
Date: 31/08/2019

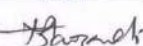
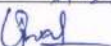
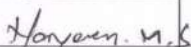
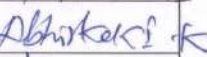
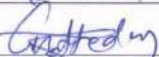
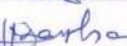
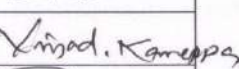
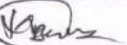
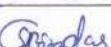
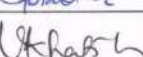
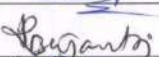
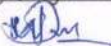
Coordinator, IQAC


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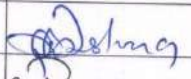
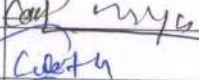
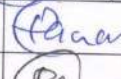
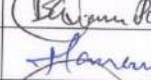
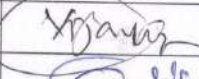
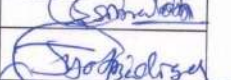
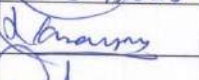
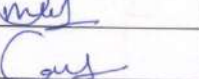
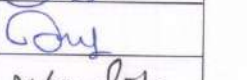
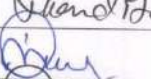
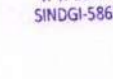

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Principal,
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V. V. Salimath Sc. College,
SINDGI-586128. College Code: 5234

List of students going for field visit

SL.NO	REG.NO	NAME	SIGN
1.	S1828558	SOMANAGOUDA BASAVARAJ KONNUR	
2.	S1828495	NEELAMMA MAHADEVAPPA HALAKERI	
3.	S1828489	MOHAMAD JAVED DASTAGEER JARDI	
4.	S1828540	SHILPA BHEEMARAYA HOSAMANI	
5.	S1828576	UJWALA SHIVANANDA GUJJA	
6.	S1828560	SOUNDARYA MADIVALAPPA DESAI	
7.	S1828494	NAVEENKUMAR MALLAPPA SINDAGI	
8.	S1828401	ABHISHEK IRAPPA KUCHABAL	
9.	S1828505	PRAFUL NINGAPPA KURUMALL	
10.	S1828420	ASIK MALLINATH GUTTEDAR	
11.	S1828487	MEGHA NINGAPPA	
12.	S1828434	BHAGYASHREE KALYANI KEMBHAVI	
13.	S1828470	LAKSHMEEPUTR RAVUTARAY	
14.	S1828586	VINOD KAREPPA	
15.	S1828484	MANJUNATH BASAPPA BABALESHWAR	
16.	S1828570	SUVARNA GURUNATH BIRADAR	
17.	S1828578	UZMATASUM AKBARPASHA KHATIB	
18.	S1828562	SPOORTHY SHIVASHARANA GUGGARI	
19.	S1828514	RAMESHA PAYANNA BAJANTHRI	
20.	S1828476	MAHMADASHEEF M DEVARANAVADAGI	
21.	S1828447	DEEPA MALLAPPA KARANAL	

22.	S1828572	TABASUM MAHMAD HANEEP JAMADAR	<i>Tabasum</i>
23.	S1828438	BHAGYASHREE GOLLALAPPA KALASHETTI	<i>BK</i>
24.	S1828409	AMEERPATEL RUKUMPATEL NADAGOUDA	<i>Ameerp</i>
25.	S1828448	DEVENDRA HANAMANTRAY GUTTEDAR	<i>Devendrar</i>
26.	S18284472	LAXMI IRANNA PYRASABADI	<i>Laxmi</i>
27.	S1828504	POOJA MAHADEVAPPAGOUA MYALAGI	<i>SD</i>
28.	S1828528	SAKKUBAI SOMU CHAVAN	<i>S</i>
29.	S1828421	ASMA DASTAGIR JARDI	<i>Asma</i>
30.	S1828457	HANAMANT KAREPPA ALLAGI	<i>Hanmant</i>
31.	S1828454	GIREESH SHIVANNA HADAPAD	<i>Gireesh</i>
32.	S1828549	SHRUTI LAKSHMAN GUTTEDAR	<i>Shruti</i>
33.	S1828537	SHARANABASU SHIVAPUTRA BALAGANOUR	<i>Sharan</i>
34.	S1828482	MANDAR MAHANTESH GOGI	<i>Mandar</i>
35.	S1828455	GURUPAD SIDDANNA BIRADAR	<i>Gurupad</i>
36.	S1828543	SHIVANAGOUDA M BIRADAR	<i>Shivanna</i>
37.	S1828480	MALLIKARJUN GURUNATH BIRADAR	<i>Mallikarjun</i>
38.	S1828411	AMIT MAHADEV RATHOD	<i>Amit Rathod</i>
39.	S1828581	VIDYADHAR SIDRAMAPPA MANASUNAGI	<i>Vidhar</i>
40.	S1828497	NINGAPPA HAVANNA BHASAGI	<i>Ningappa</i>
41.	S1828412	ANITA LAXMAN PAWAR	<i>Anita Pawar</i>
42.	S1828588	VISHALAKSHI ASHOK HATTI	<i>Vishal</i>
43.	S1828473	LINGARAJ SHIVASHARANA SALOTAGI	<i>Lingaraj</i>
44.	S1828483	MANJULA DYAVAPPA BIRADAR	<i>Manjula</i>

45.	S1828416	ASHAMMABEGUM BANDENAWAZ KOJAGER	
46.	S1828521	RESHMA BEGUM BANDENAWAZ KOJAGER	
47.	S1828510	PRIYANKA SHRISHAIL MATHAPATI	
48.	S1828452	GEETA SANTOSH NAYAK	
49.	S1828501	PAVAN DASHARATH TALAKERI	
50.	S1828428	BAVARAMMA BASAVANTRAYA PATIL	
51.	S1828458	HANAMANT SHIVAPPA KALASHETTI	
52.	S1828584	VIJAYALAXMI DANAYYA KANTIKARMATH	
53.	S1828552	SHWETA OMPRAKASH ARALIMATH	
54.	S1828463	JYOTI SAYABANNA BADIGER	
55.	S1828493	NARAYANA DHANASING NAIK	
56.	S1828478	MALASHREE SHRISHAIL PUJAR	
57.	S1828443	CHAITRA SHANKARGOUDA BIRADAR	
58.	S1828422	AYISYA BHASHASAHEB BAGAWAN	
59.	S1828492	NANDITA CHANNAYYA HIEMATH	
60.	S1828488	MOHAMMED SARFARAZ M MANNUR	
61.	S1828509	PREMA ARJUN SARJAPUR	


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Principal,
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3rd sem 19-20

S.P.V.V.S

G.P.PORWAL ARTS, COMMERCE & V.V. SALIMATH

SCIENCE COLLEGE SINDAGI-586128

DIST-VIJAYAPUR



Rani Channamma



University, Belagavi



PROJECT REPORT

DEPARTMENT: BOTANY

DATE: 15/10/19

NAME:- Gunepad. S. Biradar.

SUBJECT:- Botany

PROJECT REPORT ON:- Field report

CLASS:- BSC (CBZ) IIIrd sem.

REGISTER NO:- S1828455

ROLL NO:- 156

HEAD

Dept. of Botany
G.P.P. & V.V.S. College
SINDGI - 586 128

Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt Vijayapur

SUBMITTED BY

Gunepad. S. Biradar.

College Roll No: 156

University No: S1828455

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SCIENCE COLLEGE SINDAGI-586128

DIST-VIJAYAPUR



Rani Channamma



University, Belagavi



DEPARTMENT OF BOTANY 2019-20

This is Certify that Kumar/ Gurupad. s. Biradar

III Semester satisfactorily completed the course of project work in Botany under my supervision, as laid in the regulation of Rani Channamma University Belagavi.

DATE:- 15/10/19

Co-ordinator IQAC

G. P. Porwal Arts, Comm & V. V. Salimath
Science College, SINDGI-586128. Dt.Vijayapur

STAFF MEMBER INCHARGE

Principal,

G. P. Porwal Arts. Comm. &

HEAD OF THE DEPARTMENT

Dept. of Botany

G.P.P. & V.V.S. College
SINDGI - 586 128

INTRODUCTION :-

A Botanical study comcalletion trip was organized during sept 3-2019 Field trip recognized as important moment in leaming a shared social experlance that provides the opportunity for . student . to cncounter and explore new things in as authentic way

So the in our ,G.P.Porwal Science college as Governed by . Botany department it was volutaryily arranged by studend of CBZ field trip was set to water areas near almatti and koodalasangam .

We gathere in our compus at around 6:30 am Started from the college at 9:00 am with the guidance and compny of our professor: . S, B Goudappa gouda Sir and prof:- S, S muttinpendimath madem we reached our first destination devar hipparagi mallayya tempe .

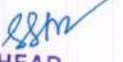
ALGAE



Visited Place : Mallayya temple Devarhipparagi

GENERAL CHARACTERISTICS :-

- Algal cells are eucaryotic
- Study of algae is called Phycology
- Cell wall is thin and rigid
- Motile algae such as euglena have flexible cell membrane called periplasts
- Cell walls of many algae are surrounded by a flexible gelatinous outer matrix
- A discrete nucleus is present
- Inclusions like starch granules, oil droplets and Vacuoles are present
- Chlorophyll and other pigments are present
- Chloroplasts may occur one, two or many per cell they may be ribbon like , bar like , Net like, or as discrete discs


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Principal,
G. P. Porwal Arts, Comm. &
V. V. Salimath Sc. College,
SINDGI-586128, College Code: 5234

ALGAE :



Visited Place : Satihala Road Pound

ssm
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D
Co-ordinator IQAC
 G. P. Porwal Arts, Comm & V. V. Salimath
 Science College, SINDGI-586128. Dt.Vijayapur

P
Principal,
 G. P. Porwal Arts, Comm. &
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NOSTOC

CLASSIFICATION OF NOSTOC :-

DOMAIN -Bacteria

PHYLUM- Cyanobacteria

ORDER - Nostocales

FAMILY- Nostacaceae

GENUS - Nostoc

GENERAL CHARACTERISTICS :-

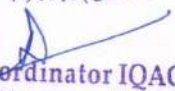
- It is blue green algae of filamentous form.
- Nostoc consists of many slender long & short inter woven filaments which look like a chain of beads.
- Each filaments is unbranched & consists of row of rounded or oval cells.
- There is a often a gelatinous sheath covering each filament is known as mucilagenous sheath.
- Each cell is differentiated into two regions called **chromoplasm**(the outer region is blue green poigmented) & the inner colourless region called **centroplasm**.

NOSTOC:



Visited Place: klay to Alimatti


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CYCAS

Systematic Position:-

Division – cycadophyta

Class – Cycadopsida

Order – Cycadales

Family – Cycadaceae

Genus – Cycas

GENERAL CHARACTERISTICS :-

- **Cycas** is the most widely distributed genus of the order Cycadales . there are about 20 species which occurs in wild state in china, japan, Australia, Africa , Burma and India .
- Four species of cycas -*C. circinalis* , *C. pectinata* , *C. rumphii* and *C. beddomei* – occurs in natural state in india , chiefly in Assam , Orissa , Meghalya , Andaman and Nicobar Islands , karnatak and tamil Nandu .*C. revoluta* and *C. siamensis* are widely grown in gardens .
- The members of this order are commonly known as cycads . they originated from the seed ferns . i.e., cycadofilicales , towards the end of carboniferous periods and formed a dominant vegetation during the Triassic periods of Mesozoic era.
- The order includes eleven living genera and about 100 species. They are usually woody trees except *Zamia pygmaea*.
- The stem is mostly unbranched and is covered by persistent leaf bases. The leaves are arranged in whorls at the apex of the stem; they are pinnately compound
- The wood is monoxyletic. The micro- and megasporophylls usually from male and female strobili

CYCAS:



Visited place : kudalasangam


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FUNARIA

SYSTEMATIC POSITION :-

Division : Bryophyta

Class : Bryopsida

Order : Funariales

Family : Funariaceae

Genus : Funaria

GENERAL CHARACTERISTICS :-

- Moss plant Funaria grows in dense patches or cushions in moist shady and cool places during the rainy seasons.
- It has a height of 3-5 cm, a radial symmetry with a differentiation of an axis or stem, leaves or phylloids and multicellular colorless branched rhizoids
- These are primitive multicellular, autotrophic, shade loving, amphibious plants.
- They reproduce by spore formation.
- They have no vascular system.
- Root like structures called rhizoids are present.
- They show alternation of generation i.e.
The gametophytic stage alternates with the sporophytic stage
- **Funaria** is a genus of approximately 210 species of moss and 18 species reported from India.
- Funaria hygrometrica is called "cord moss" because of the twisted seta.
- The name is derived from Latin word "funis" meaning a rope.

FUNARIA :



Visited Place : Hangaragi reserve forest


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Tq:- SINDAGI

DIST:- VIJAYAPUR

DEPARTMENT OF BOTANY

FIELD VISIT

BSc (CBZ) VTH sem

YEAR:2018-2019


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V.V.SALIMATH Sc. College,
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Chairperson IOAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
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Signature

VISIT TO NURSERY AND GREEN HOUSES

DATE : 08-SEPTEMBER 2018

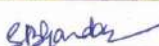
H.O.D: Prof.S.B.GOUDAPPAGAUDAR

We have started journey at morning 9'o clock.

I B AREA OF DEVARAHIPPARAGI.

Firstly we have visited to Devarahipparagi I.B.area and we have observed the different instruments such as Rain gauge, Solar penal, Quadrate, Soil thermometer, and Anemometer. And we have collected working information by Ramappa.




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Chairperson IOAC
G. P. PORWAL ARTS, COM. &
V.V.SALIMATH Sc. College,
SINDGI-586128

After that we walked some distance and visited the area "Dagridge Tayigidagalu" and which are planted on the date of 15-02-2017. The are survey number is 714 overall plant numbers is 1210 Under the Govt.of KSHDA.

We got the information about ready to planting plantlets such are Citrus,Dagridge,and Drumstick plantlets are grown.

At the I.B.area we studied Greenhouse crops Citrus plants. It also as fruit nursery,flower,vegetables some examples fruits like Lemon,Grapes we have studied.



After that we went to Horticulture management of Devarahipparagi we saw the plant manuring by cutting,layering and seed production. At that Horticulture place they buildup a area Act of Karnataka 1963. And there is no wilting of trees.

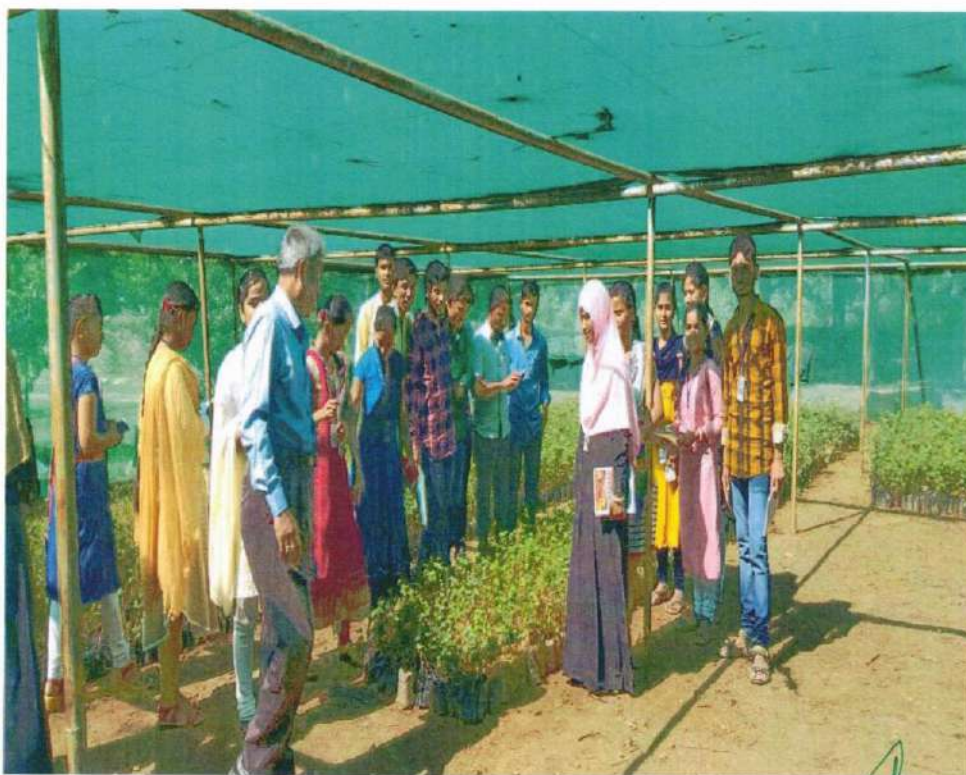
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J R NURSERY

We visited to J.R.Nursery which is which is 16km away from Vijayapur on thr way to Sindagi placed at Kumatagi. We saw some of the vegetables like Capsicum, Brinjal and some of the fowering plantlets which are ornamental. Which is maintained under MGNREGA Act of plantation.



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SIDDESHWARA NURSERY

We went to Bhutanal tank which is away from 12km from the Vijayapur district and we enquired about of the plants are like Hydrophytes in a Siddeshwar Nursery at Arakeri L.T.No-1 at beside from the NH-13,Solapur road. And there was well maintained Green house and grown Ornamental plants and vegetables. And we return back to Sindagi with full of enjoyments and we reached Sindagi at 8:00pm.