

Dr.Mrs. M. V. Ingawale
Kisan Veer Mahavidyalaya, Wai
Date- 1/03/2024.

To,
The principal,
Kisan Veer Mahavidyalaya, Wai.

Sub: - Regarding permission of Botanical Excursion of BSc. I

As per rules and syllabus of B.Sc.-I Botany of Shivaji University Kolhapur, Department of Botany has organized Botanical Excursion of B.Sc. I students at Mahableshwa2. on Saturday, 4/03/2024. So, I kindly request you to give permission for the same.

Thanking you,

Yours Faithfully,



Head of Department of Botany
Department of Botany
Kisan Veer Mahavidyalaya,
Dr. Mrs. M. V. Ingawale
Wai 412803



Department of Botany

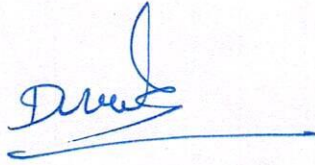
Kisan Veer Mahavidyalaya, Wai

Date: - 1/03/2024

Notice

According to rules and syllabus of Shivaji University, Kolhapur, Department of Botany has Organized Botanical Excursion visit to Mahableshwar of B.Sc.I students on Saturday, 1/03/2024. All concern students should remain present. Tour report is compulsory as a submission of requirement of practical examination. So, all students should remain present on wai S. T. Stand at 8.30 am. This trip is compulsory to all B. Sc. I botany students.

Thanking You,


Principal

(Kisan Veer Mahavidyalaya, Wai)



**Janata Shikshan Sanstha's
Kisan Veer Mahavidyalaya, Wai
Department of Botany
List of Students attended at
Botanical Excursion at Mahabaleshwar**

B. Sc.I

Sr. No.	Roll No.	Name of Students
1	06	Erande Aakash Valmik
2	30	Jamdade Gouri Santosh
3	15	Malusare Rohan Dashrath
4	49	Yewale Shubham Arjun
5	12	Gadhve Aditya Sachin
6	14	Kamane Sushant Prashant
7	02	Bhise Mandar Mohan
8	20	Pisal Omkar Ajay
9	70	Chavan Prachi Dipak
10	50	Chavan Sneha Ramchandra
11	10	Nimbalkar Aishwarya Jalindar
12	34	Jagatap Janavi Lakshman
13	18	Shaha Sona Tahir
14	41	Shinde Shruti Vitthal
15	28	Chavare Vaishnavi Ankush
16	121	More Tanavi Ashish
17	135	Shaikh Saniya Aiahamad
18	13	Pisal Sonal Ajit
19	122	Dhekane Diya Janardhan
20	132	Shinde Vaishnavi Anna
21	25	Dhekane Shreya Anil

Dudhan



JANATA SHIKSHAN SANSTHA'S
KISAN VEERMAHAVIDYALAYA WAI

Department of Botany

To Visit

Mahableshwar

Attendance

Sr. No.	Roll No.	Name of Students	Class	Sign
1)	06 ✓	Erande Akash velmife	BSC-I	
2)	30 ✓	Gouri Santosh Jamdade	BSC-I	
3)	15	Malusare Rohan Dashrath	B.Sc.IV ✓	
4)	49 ✓	Yewale shubham Arjun	B.S.C.I	
5)	12 ✓	Gadhawe Aditya Sachin	B.SCI	
6)	14	Kamane sushant prashant ✓	Bsc-I	
7)	02 ✓	Mandar Mohan Bhise	Bsc-I	
8)	20	omkar Ajay pisal	Bsc-IV ✓	
9	70 ✓	Prachi Dipak chavan	BSC-I	
10	50 ✓	Sneha Ramchandra chavan	Bsc-I	
11	10	Aishwarya Jalindar Nimbalkar ✓	BSC-I	
12	34 ✓	Jankhavi Laxman Jagtap.	BSC-I	
13	18	Sana Tahir Shaha	Bsc-I	
14	41	shinde smriti Vitthal	BSC-I	
15)	28	Chavare Vaishnavi onkar	BSC-I	
16	121	Tarun Ashish More	BSC-IV	
17	135	Saniya Allahmed Shaikh	BSC-I	
18	13	Sonal Ajit pisal	Bsc-I	
19	122	Diya Janardan Dhekane	BSC-I	
20	132	vaishnavi Anna shinde	B.S.C.I	
21	25 ✓	Shreya Anil Dhekane	BSC-I	
22	4	chetana Dattatray phadtare	BSC-1	
23	105	Pragati Jaywant Kale	BSC-1	
24	91	Minakshi sitaram Yaddav	BSC-1	
25	16	omkar jitendra sutar	BSC-1	
26	19	Avinash Dipak Mandhare	Bsc-IV ✓	
27	43	Akshada Vitthal Naikwadi	BSC-I ✓	
28	38	Mayun Santosh Rajpule	BSC-I	
29	31	Sahil Ananda Kasurde	BSC-I ✓	
30	17 ✓	Dipti Chandrakant Brise	B.Sc-I	
31	18	Sana Tahir Shaha	B.Sc-I	

Dudhan



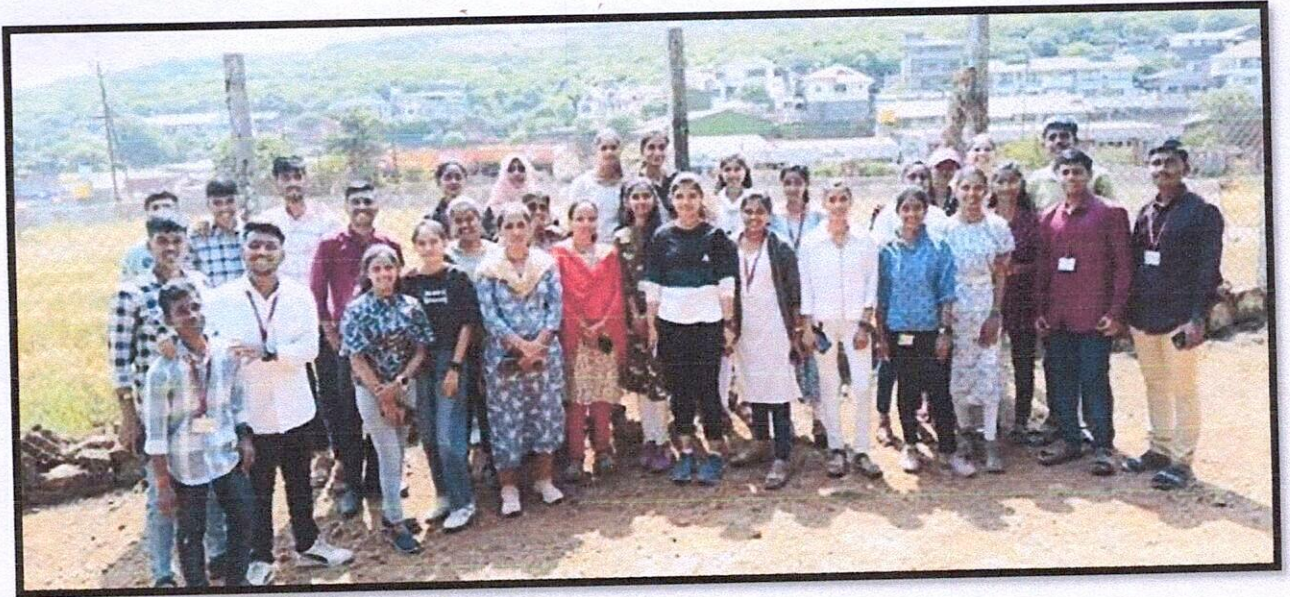
Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI



DEPARTEMENT OF BOTANY

**VISIT TO REGIONAL WHEAT RUST
RESEARCH STATION, MAHABALESHWAR**



Report

2023-24

Janata Shikshan Sanstha's
KISAN VEER MAHAVIDYALAYA, WAI



CERTIFICATE

Date:- 13/03/2024

This is certifying that Mr. / Miss Omkar Sutar of B.Sc I
roll no. 16 has successfully completed Research center visit report during
the academic year 2023-24 in partial fulfillment of botany practical examination
conducted by Department Of Botany, Kisan Veer Mahavidyalaya, Wai.

Date: 2/03/2024

Place: Mahableshwar



Maethav
12/3/2024
Teacher In-charge

Examined .

for
Doudhan'

Head

Department of Botany

Doudhan'
13/3/2024

External examiner

Regional Wheat Rust Research Station, Mahabaleshwar

Report of Study Tour organized by Department of Botany

As per prescribed syllabus of Shivaji University Kolhapur, every year Department of Botany of our institution organizes study tour. Field study is an essential part of botany as plants are best studied in their natural habitat. The Department of Botany, Kisan Veer Mahavidyalaya, Wai, organized a one-day visit for B. Sc. I year Students to Regional Wheat Rust Research Station, Mahabaleshwar on 2nd march, 2024.

The regional center for Wheat rust was established in 1941 to study one of the most destructive diseases of Wheat called as the “Rust disease”. The centre has been established to study and eradicate the disease from the Indian system.

Name of the Research Scheme: All India Co-ordinated Wheat and Barley Improvement Project (AICW&BIP)

Objectives/ Mandates:

- To maintain pathotypes of stem and leaf rusts of wheat
- To test wheat genotypes received from Director, IIWBR, Karnal and Wheat Breeders from various parts of the country against stem and leaf rusts of wheat and thereby assist in evolving rust resistant wheat varieties



- Seedling resistance test against individual pathotypes of stem and leaf rusts of wheat
- To undertake race specific adult plant resistance test against selective prevalent stem rust pathotypes for genotypes received from ICAR, under glasshouse conditions
- To multiply and supply viable inoculum of stem and leaf rusts to research workers and centers of Peninsular Zone

Infrastructure:

Land (ha): 3.18 ha of land of Non -Plan 219 is used for AICW & BIP scheme

Irrigation facilities: 3 wells of Non Plan 219 is used for AICW & BIP scheme

Laboratories: Laboratory of Non Plan 219 is used for AICW & BIP scheme

Research Achievements:

1. Maintained 17 and 25 pathotypes of leaf and stem rusts, respectively
2. Analyzed leaf and stem rust pathotypes from off-season wheat grown at Wellington during Kharif season and also monitored disease intensity of both the rusts in Maharashtra. From the analysis it is seen that the following races are most prevalent in Peninsular Zone since last 15 years: Stem rust: 11, 42, 40A and 117-6 Leaf rust: 12-4, 12-5, 12-7, 77-1, 77-2, 77-5, 77-9, 104A, 104-2, 162 A, 162-1
3. Purified the pathotypes of both the rusts



4. Seedling Resistance Test: Large numbers of wheat genotypes have been evaluated since establishment of this research station against most virulent individual races of both the rusts.

5. Adult Plant Resistance Test: Large numbers of wheat genotypes have been evaluated since establishment of this research station under field conditions against both the rusts. Of these, 4415 genotypes were found resistant to both the rusts.

Ongoing Research:

1. Maintenance of pathotypes of leaf and stem rusts under glasshouse conditions.
2. Seedling Resistance Test of AVT and NIVT wheat entries for leaf and stem rusts under glasshouse conditions.
3. Race specific adult plant resistance testing (APRT) of wheat genotypes under glass house conditions.
4. Adult plant resistance test of wheat genotypes against stem and leaf rust under field conditions.
5. Studies on adult plant resistance in AVT genotypes against stem and leaf rusts by using a mathematical tool AUDPC,
6. A. Establishment of Wheat Rust Trap Nursery at various locations for monitoring the incidence of stem and leaf rusts.



B. Survey for recording the incidence of stem and leaf rusts of wheat and collection of samples for pathotype analysis.

7. Multiplication and supply of base inoculi of prevalent stem and leaf rust pathotypes to other network centers,

Improved/ Hybrid Varieties of Wheat

N- 5439 *Triticum aestivum*

NI-5643 *Triticum aestivum*

N-5749 *Triticum durum*

Vinata [N- 8223] *Triticum aestivum*

Niphad [NIAW-34] *Triticum aestivum*

Kadava [NI-9947] *Triticum aestivum*

Trambak [NIAW-301] *Triticum aestivum*

Panchavati [NIDW-15] *Triticum durum*

Godavari [NIAW-295] *Triticum aestivum*

Tapovan [NIAW-917] *Triticum aestivum*

Netravati [NIAW – 1415] *Triticum aestivum*

Phule Samadhan [NIAW -1994] *Triticum aestivum*

Phule Satwik [NIAW – 3170] *Triticum aestivum*

Phule Anupam [NIAW – 3624] *Triticum aestivum*



SOME PICTURES

