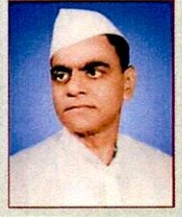




**JANATA SHIKSHAN SANSTHA'S  
KISAN VEER MAHAVIDYALAYA,  
WAI**

(Affiliated to Shivaji University, Kolhapur)



**Certificate course in HORTICULTURE**

**Supportive Documents for  
Certificate Course Annual Report**

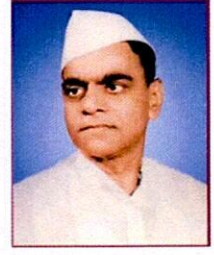
1. Short Report of The Particular Academic Year
2. Certificate Course Brochure/Handbook
3. Notice regarding the introduction date of the course and BOS.
4. Aims, Objective and Syllabus of the Course
5. Time Table
6. List of enrolled students
7. Attendance Sheets
8. Paper Format
9. Results of the Course
10. One Sample Certificate of the pass students
11. Geo-tagged Photos (If Available).







**JANATA SHIKHNSN SANSTHA'S  
KISAN VEER MAHAVIDYALAYA, WAI  
DEPARTMENT OF BOTANY**




**“CERTIFICATE COURSE IN HORTICULTURE”**


**Report -2018-19**

The department of Botany conducted a certificate course entitled “Certificate Course in Horticulture”. The notification and advertisement were made at the time of admission. The brochure of the course was supply to the parents. The course was started on 1stDecember 2018 upto25<sup>th</sup> March 2019. The time-table was displayed on the department notice board. For course 18 students were admitted. Regular lectures and practical were conducted as per time-table. Examination of the said course was conducted and certificates were issued to the students who have completed the course successfully. Students were guided with the knowledge about cultivation of fruit orchards, floriculture, plant pathology and plant breeding technique. The departmental staff, administration of the college and especially Hon. Principal supported a lot.

The entire record of the course has maintained in the department. One copy had given in IQAC cell and same had been uploaded on college Website.

  
Dr. Mrs M. V. Ingawale  
Course Coordinator



  
Dr. E. B. Bhalerao  
Head Dept of Botany  
Department of Botany  
Kisan Veer Mahavidyalaya,  
Wai 412803

  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal. Wai, Dist. Satara





## Department of Botany

# CERTIFICATE COURSE IN HORTICULTURE

**Eligibility:** 10<sup>th</sup> (pass) Any Discipline  
**Medium of Instruction:** English

**Intake Capacity:**  
Min-10 Max- 25

**Duration:** 3 Months  
**Fees:** Rs. 500/-

### Syllabus:

Duration of course- 120 hrs  
Theory- 70 marks (80hrs)  
Practical-30 Marks (40hrs)

### 3 Month-Course Work

Theory- 70 Marks  
Practical -30 Marks  
Internal Experience -20 Marks  
Project Report -10 Marks

### Internal Evaluation

Home Assignment - 5 Marks  
Periodical Tests - 5 Marks  
Seminars - 5 Marks  
Group Discussion - 5 Marks  
**Total - 20 Marks**

### Over all aim of the course

1. To impart knowledge on status and export of horticulture plants.
2. To conserve horticulture plants.
3. To discuss problems in production and marketing.
4. To know the use of these plants in medicine, and cosmetics, perfumery industry
5. To Study horticultural plants.
6. To Study various conservation method.
7. Identification of these Plants.



### Course Outcome

#### Knowledge skill:

- Develop an understanding on constraints and problems in production and marketing horticultural plants

#### Intellectual skills

- Developing expertise among the graduates for organized market for these plants.
- Creation of niche market covering phytochemicals, value addition and market enhancement.

#### Professional and practical skills

- To establish value addition ventures, botanical extract, isolation of bio-active compounds, aroma chemicals.
- Transforming the knowledge into skills for promotion of herbal industry.
- Practical exercises and field visit.

### For Further Details Contact:

**Course Coordinator-**

**Dr.E.B.Bhalerao** - 9545585927

**Dr. M. V. Ingawale** -9922393896





Department of Botany,  
Kisan Veer Mahavidyalaya, Wai,

Date: 28 / 08 / 2018

## NOTICE

All the students of Science faculty are hereby informed that Botany Department is going to conduct a short term course in Horticulture for this academic year 2018 - 2019. Duration of course is three months and fee is 500/-. There are limited seats so interested students should enroll their names in the Department of Botany. After successfully completion of course passed students will get certificate.



*Balerao*

Head,

Department of Botany  
**Department of Botany**  
**Kisan Veer Mahavidyalaya,**  
**Wai 412803**

*Balerao*

**I/C PRINCIPAL**  
**KISAN VEER MAHAVIDYALAYA**  
Tal. Wai, Dist. Satara

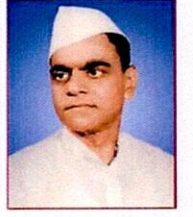




Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI

Department of Botany



## Certificate Course in "Horticulture"

**Eligibility:** - 10<sup>th</sup> pass, B. Sc. I, B. Sc. II, B. Sc. III, Students

**Duration:** - Three months

## Objectives of course

1. To increase production and productivity of fruit crops, vegetable crops, spices crops
2. To establish nurseries both at public & private sector for quality planting materials.
3. To transfer technologies from Lab to Land
4. To ensure good Soil health
5. To augment Market & marketing facilities

Contact

Dr. Mrs. M. V. Ingawale

Mob. No 9922393896

Dr. E. B. Bhalerao

Head

Department of Botany

**I/C PRINCIPAL,**  
KISAN VEER MAHAVIDYALAYA

Tal. Wai, Dist. Satara





Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai  
Department of Botany

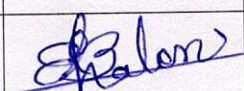
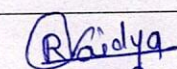
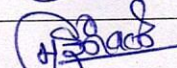
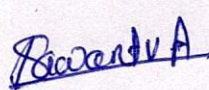
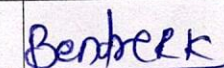

Self - Designed, Self -Funded Certificate Course in HORTICULTURE

**BOARD OF STUDIES**  
**MEETING PROCEEDINGS**  
**2018-2019**


Date : 5<sup>th</sup> July, 2018

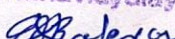
**Certificate Course in HORTICULTURE**

- The first meeting of the BOS was called on Thursday, dated 5<sup>th</sup> July 2018, at 1.30 p. m. at Kisan Veer Mahavidyalaya, Wai.
- Five members attended the meeting.
- During the Meeting, following subjects were discussed:
  5. Formulation of syllabus for certificate course in Horticulture.
  6. Aims and objectives of the course were designed and framed.
  7. Accordingly, the course syllabus was designed.
  8. It was also decided that Prof. Mrs. M. V. Ingawale will work as course coordinator.

Sr. No.	Name	Designation	Signature
1	Dr. E. B. Bhalerao	Head, Department of Botany	
2	Dr. R. R. Vaidya	Asso. Professor	
3	Dr. Mrs. M.V. Ingawale	Asso. Professor	
4	Mr. V. A. Sawant	Expert, Horticulture Incharge, Kisan Veer Satara Co-operative Sugar factory Ltd. Bhujinj	
5	Prof. R. K. Bendre	Expert Horticulture Incharge, Rajendra Jr. College, Khandala.	
6	Dr. S.D.Patil	Ex- Head, Department of Botany	



  
**HEAD**  
**DEPARTMENT OF BOTANY**  
Kisan Veer Mahavidyalaya, Wai

  
**I/C PRINCIPAL**  
**KISAN VEER MAHAVIDYALAYA**  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
Horticulture (Short Term course)  
B. Sc-III 2018-2019

**Time- Table**

Sr.No.	Day	Time	Teachers Name
1	Friday	11:00 a.m. to 12:00p.m. 12:00 p.m. to 01:00p.m. 01:00 p.m. to 02:00p.m.	1. Mrs. Ingawale M.V 2. Dr. Bhalerao E.B. 3. Miss. Rokade S.J.
2	Saturday	11:00 a.m. to 12:00p.m. 12:00 p.m. to 01:00p.m. 01:00 p.m. to 02:00p.m.	1. Miss. Jadhav A.D. 2. Dr. Bhalerao E.B. 3. Dr. Vaidya R.R.



*E. Bhalerao*  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal. Wai, Dist. Satara

*E. Bhalerao*  
**HEAD**  
**DEPARTMENT OF BOTANY**  
Kisan Veer Mahavidyalaya, Wai



Janata Shikshan Sanstha's  
Kisan Veer Mahavidyalaya, Wai  
**DEPARTMENT OF BOTANY**

**SYLLABUS FOR SHORT TERM COURSE IN HORTICULTURE**

**1. FLORICULTURE**

- 1.1 Scope and importance of ornamental crops;
- 1.2 Industrial importance of ornamental plants
- 1.3 Detailed Cultivation of Roses

**2. ASEXUAL PROPAGATION**

- 2.1 Cutting technique in Hibiscus
- 2.2 Budding technique in Rose
- 2.3 Grafting technique in Mango
- 2.4 Air Layering in Pomegranate

**3. PLANT PATHOLOGY**

- 3.1 Introduction, scope and objectives of Plant Pathology.
- 3.2 Terms and concepts in Plant Pathology.
- 3.3 Diseases, symptoms and control of rose and mango



*E. Kulkarni*  
**HEAD**  
**DEPARTMENT OF BOTANY**  
Kisan Veer Mahavidyalaya, Wai

*E. Kulkarni*  
**I/C PRINCIPAL**  
**KISAN VEER MAHAVIDYALAYA**  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
B.Sc-III Horticulture (Short Term course)

Date: 12/03/2019

Theory Paper (50 Marks)

**Presentee Report (2018-2019)**

Sr.No	Name	Roll No	Sign
1	SURYAWANSHI NISHA BALU	65	
2	SANAS SONALI NAMDEV	66	
3	KIRVE POOJA ANANDRAO	67	
4	BHILARE TRUPTI RAJENDRA	68	
5	MANE SHRADDHA PRAMOD	69	
6	MANDHARE PRATIKSHA SUNIL	70	
7	BELOSHE GANESH DHARMARAJ	71	
8	BABAR ANIKET DADA	72	
9	YEWALE SHUBHAM RAMDAS	73	
10	LEMBHE JYOTI DNYANESHWAR	74	
11	BHELAKI KUNAL ASHOK	75	
12	JAIGUDE PRATHMESH SHANKAR	76	
13	SHELAR RUSHIKESH BABASO	77	
14	WARKHADE GAURI RAJENDRA	78	
15	SHAIKH IRAM KAYYUM	196	
16	JAMBURE SHILPA SANJAY	263	
17	SHAIKH ALISHA SAMAD	264	
18	JAMDADE PRIYANKA HEMCHANDRA	270	



**HEAD**  
**DEPARTMENT OF BOTANY**  
Kisan Veer Mahavidyalaya, Wai  
**DEPARTMENT OF BOTANY**  
**HEAD**

**I/C PRINCIPAL**  
**KISAN VEER MAHAVIYALAYA**  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's

**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**

B.Sc-III Horticulture (Short Term course)

Date: 12/03/2019

Theory Paper (50 Marks)

**Presentee Report (2018-2019)**  
**December -2018**

Name	Roll No	1	7	8	14	15	21	22	28	29
SURYAWANSHI NISHA BALU	65	P	P	P	A	P	P	P	P	A
SANAS SONALI NAMDEV	66	A	P	P	P	P	A	P	P	P
KIRVE POOJA ANANDRAO	67	P	P	P	A	P	P	P	P	P
BHILARE TRUPTI RAJENDRA	68	P	P	P	P	A	P	P	P	P
MANE SHRADDHA PRAMOD	69	P	P	P	P	P	P	A	P	A
MANDHARE PRATIKSHA SUNIL	70	P	A	P	P	P	P	P	P	P
BELOSHE GANESH DHARMARAJ	71	A	P	P	A	P	P	P	P	P
BABAR ANIKET DADA	72	P	P	A	P	A	P	P	P	P
YEWALE SHUBHAM RAMDAS	73	P	A	P	A	P	P	A	P	P
LEMBHE JYOTI DNYANESHWAR	74	P	P	A	P	P	P	P	P	P
BHELAKHE KUNAL ASHOK	75	P	P	P	A	A	P	P	P	P
JAIGUDE PRATHMESH SHANKAR	76	P	P	P	P	P	A	A	P	P
SHELAR RUSHIKESH BABASO	77	P	P	A	P	A	P	A	P	P
WARKHADE GAURI RAJENDRA	78	P	P	P	P	P	A	P	P	P
SHAIKH IRAM KAYYUM	196	A	P	P	A	A	P	P	P	P
JAMBURE SHILPA SANJAY	263	P	P	P	P	A	P	P	P	A
SHAIKH ALISHA SAMAD	264	P	P	A	P	P	P	P	P	P
JAMDADE PRIYANKA HEMCHANDRA	270	P	A	P	P	P	P	P	P	P



*Ralewa*  
**HEAD**  
DEPARTMENT OF BOTANY  
Kisan Veer Mahavidyalaya, Wai

*Ralewa*  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
 B.Sc-III Horticulture (Short Term course)

Date: 12/03/2019

Theory Paper (50 Marks)

**Presentee Report (2018-2019)**  
**January -2019**

Name	Roll No	4	5	11	12	18	19	25
SURYAWANSHI NISHA BALU	65	P	P	P	P	A	P	P
SANAS SONALI NAMDEV	66	A	P	P	P	P	P	P
KIRVE POOJA ANANDRAO	67	P	P	P	P	P	A	P
BHILARE TRUPTI RAJENDRA	68	A	P	P	P	P	P	P
MANE SHRADDHA PRAMOD	69	P	P	A	P	P	P	P
MANDHARE PRATIKSHA SUNIL	70	P	P	P	P	P	P	P
BELOSHE GANESH DHARMARAJ	71	P	A	A	P	P	P	P
BABAR ANIKET DADA	72	A	P	A	P	P	P	P
YEWALE SHUBHAM RAMDAS	73	P	P	A	P	P	A	A
LEMBHE JYOTI DNYANESHWAR	74	P	P	P	A	P	P	P
BHELAKHE KUNAL ASHOK	75	P	P	A	P	A	P	P
JAIGUDE PRATHMESH SHANKAR	76	A	A	P	P	P	P	P
SHELAR RUSHIKESH BABASO	77	P	P	P	A	P	P	P
WARKHADE GAURI RAJENDRA	78	A	P	P	A	P	P	P
SHAIKH IRAM KAYYUM	196	P	P	P	P	A	P	A
JAMBURE SHILPA SANJAY	263	A	P	P	P	P	A	P
SHAIKH ALISHA SAMAD	264	P	P	P	P	P	P	A
JAMDADE PRIYANKA HEMCHANDRA	270	P	P	P	A	P	P	P



*E. Kalerao*  
**HEAD**  
**DEPARTMENT OF BOTANY**  
 Kisan Veer Mahavidyalaya, Wai

*E. Kalerao*  
**I/C PRINCIPAL**  
**KISAN VEER MAHAVIDYALAYA**  
 Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's

**Kisan Veer Mahavidyalaya, Wai**

**Department of Botany**

B.Sc-III Horticulture (Short Term course)

Date: 12/03/2019

Theory Paper (50 Marks)

**Presentee Report (2018-2019)**

**February -2019**

Name	Roll No	1	2	8	9	15	16	22	23
SURYAWANSHI NISHA BALU	65	P	P	P	P	A	P	P	P
SANAS SONALI NAMDEV	66	A	P	P	P	P	P	P	P
KIRVE POOJA ANANDRAO	67	P	A	P	P	P	P	P	P
BHILARE TRUPTI RAJENDRA	68	P	P	A	P	A	P	P	P
MANE SHRADDHA PRAMOD	69	P	P	P	P	P	P	P	A
MANDHARE PRATIKSHA SUNIL	70	P	A	P	P	P	P	P	P
BELOSHE GANESH DHARMARAJ	71	A	A	P	P	P	P	P	P
BABAR ANIKET DADA	72	P	P	A	A	P	P	P	P
YEWALE SHUBHAM RAMDAS	73	P	P	P	P	A	P	P	P
LEMBHE JYOTI DNYANESHWAR	74	P	P	P	P	P	P	P	P
BHELAKH KUNAL ASHOK	75	A	P	P	P	P	A	P	P
JAIGUDE PRATHMESH SHANKAR	76	A	P	P	A	A	P	P	P
SHELAR RUSHIKESH BABASO	77	P	P	P	P	P	A	P	A
WARKHADE GAURI RAJENDRA	78	P	A	P	A	P	P	P	P
SHAIKH IRAM KAYYUM	196	P	P	P	P	A	A	P	P
JAMBURE SHILPA SANJAY	263	P	A	P	P	P	P	P	P
SHAIKH ALISHA SAMAD	264	A	P	A	P	P	P	P	P
JAMDADE PRIYANKA HEMCHANDRA	270	A	P	P	P	P	P	P	P



*E. Ramesh*  
**HEAD**  
**DEPARTMENT OF BOTANY**  
Kisan Veer Mahavidyalaya, Wai

*E. Ramesh*  
**I/C PRINCIPAL**  
**KISAN VEER MAHAVIDYALAYA**  
Tal. Wai, Dist. Satara



Department of Botany,  
Kisan Veer Mahavidyalaya, Wai,  
Date : 01 / 04 / 2019

## NOTICE

All the students of B.Sc.III are hereby informed that their Horticulture (Short Term course) Test will be held on Saturday, 07/04/2019 at 10 a.m. to 12.00 p.m. Attendance for the test is compulsory.



*E. Balasubramanian*

Head,

Department of Botany  
**Head**  
Department of Botany  
Kisan Veer Mahavidyalaya,  
Wai 412803

*E. Balasubramanian*

**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA,  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
B.Sc-III Horticulture (Short Term course)

Date: 07/04/2019

Theory Paper (50 Marks)

**Mark List (2018-2019)**

Sr.No	Name	Roll No	Marks
1	SURYAWANSHI NISHA BALU	65	45
2	SANAS SONALI NAMDEV	66	45
3	KIRVE POOJA ANANDRAO	67	42
4	BHILARE TRUPTI RAJENDRA	68	43
5	MANE SHRADDHA PRAMOD	69	44
6	MANDHARE PRATIKSHA SUNIL	70	45
7	BELOSHE GANESH DHARMARAJ	71	43
8	BABAR ANIKET DADA	72	39
9	YEWALE SHUBHAM RAMDAS	73	38
10	LEMBHE JYOTI DNYANESHWAR	74	35
11	BHELAKI KUNAL ASHOK	75	38
12	JAIGUDE PRATHMESH SHANKAR	76	35
13	SHELAR RUSHIKESH BABASO	77	40
14	WARKHADE GAURI RAJENDRA	78	40
15	SHAIKH IRAM KAYYUM	196	42
16	JAMBURE SHILPA SANJAY	263	42
17	SHAIKH ALISHA SAMAD	264	42
18	JAMDADE PRIYANKA HEMCHANDRA	270	39



*E. Balerao*  
**Head**  
Department of Botany  
Kisan Veer Mahavidyalaya,  
Wai 412203

*E. Balerao*  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal. Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
B.Sc-III Horticulture (Short Term course)

Date: 07/04/2019

Practical (50 Marks)

**Mark List (2018-2019)**

Sr.No	Name	Roll No	Marks
1	SURYAWANSHI NISHA BALU	65	49
2	SANAS SONALI NAMDEV	66	49
3	KIRVE POOJA ANANDRAO	67	45
4	BHILARE TRUPTI RAJENDRA	68	48
5	MANE SHRADDHA PRAMOD	69	44
6	MANDHARE PRATIKSHA SUNIL	70	49
7	BELOSHE GANESH DHARMARAJ	71	43
8	BABAR ANIKET DADA	72	40
9	YEWALE SHUBHAM RAMDAS	73	40
10	LEMBHE JYOTI DNYANESHWAR	74	40
11	BHELAKI KUNAL ASHOK	75	42
12	JAIGUDE PRATHMESH SHANKAR	76	45
13	SHELAR RUSHIKESH BABASO	77	40
14	WARKHADE GAURI RAJENDRA	78	40
15	SHAIKH IRAM KAYYUM	196	45
16	JAMBURE SHILPA SANJAY	263	45
17	SHAIKH ALISHA SAMAD	264	42
18	JAMDADE PRIYANKA HEMCHANDRA	270	48



*[Signature]*  
**Head**  
Department of Botany  
Kisan Veer Mahavidyalaya,  
Wai 412803

*[Signature]*  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal Wai, Dist. Satara



Janata Shikshan Sanstha's  
**Kisan Veer Mahavidyalaya, Wai**  
**Department of Botany**  
B.Sc-III Horticulture (Short Term course)

Date: 07/04/2019

Practical (50 Marks)

**Mark List (2018-2019)**

Sr.No	Name	Theory	Practical's	TOTAL Marks
1	SURYAWANSHI NISHA BALU	45	49	94
2	SANAS SONALI NAMDEV	45	49	94
3	KIRVE POOJA ANANDRAO	42	45	87
4	BHILARE TRUPTI RAJENDRA	43	48	91
5	MANE SHRADDHA PRAMOD	44	44	88
6	MANDHARE PRATIKSHA SUNIL	45	49	94
7	BELOSHE GANESH DHARMARAJ	43	43	86
8	BABAR ANIKET DADA	39	40	79
9	YEWALE SHUBHAM RAMDAS	38	40	78
10	LEMBHE JYOTI DNYANESHWAR	35	40	75
11	BHELAKI KUNAL ASHOK	38	42	80
12	JAIGUDE PRATHMESH SHANKAR	35	45	80
13	SHELAR RUSHIKESH BABASO	40	40	80
14	WARKHADE GAURI RAJENDRA	40	40	80
15	SHAIKH IRAM KAYYUM	42	45	87
16	JAMBURE SHILPA SANJAY	42	45	87
17	SHAIKH ALISHA SAMAD	42	42	84
18	JAMDADE PRIYANKA HEMCHANDRA	39	48	87

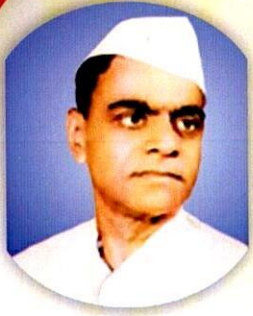


*E. Kalera*  
**Head**  
Department of Botany  
Kisan Veer Mahavidyalaya,  
Wai 412803

*E. Kalera*  
**I/C PRINCIPAL**  
KISAN VEER MAHAVIDYALAYA  
Tal. Wai, Dist. Satara



"To illumine The Pathways Indeed We Have Come"



Janata Shikshan Sanstha's  
**KISAN VEER MAHAVIDYALAYA, WAI**

Short Term Course  
on  
**Horticulture**



Organised By

**Department of Botany**

**Certificate**

This is to certify that Shri./Smt. .... has successfully  
completed Three months Short Term Course on Horticulture held during, ..... at Department of Botany,  
Kisan Veer Mahavidyalaya, Wai, Dist. Satara.

**Head**  
Dept. of Botany



**Principal**  
Kisan Veer Mahavidyalaya, Wai