



College of Horticulture



VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH
COLLEGE OF HORTICULTURE PARBHANI- 431 402

Telephone No. : 02452 – 220570 E-mail : hortmaupbn@rediffmail.com

6.4 Self Study Report for the programme

6.4.1 Brief history of degree programme

6.4.1.1. History

The main object to start B.Sc. (Hort.) degree programme in Marathwada region is to cater the needs of advance knowledge of fruits, vegetables and flower growers of the region and others involved in horticultural industries. The students are trained in recent trends in horticulture. The syllabus is prepared and planned on line with sound practical base. The horticultural graduates today are required to provide technology not only for increasing fruits, vegetables and ornamental plants production but also for reducing post-harvest losses and value addition through processing of produce. Increasing export opportunities in horticulture and allied industry sector has additional demands on horticultural education to meet the growing requirements of fruit, vegetable and flower crops. The education in horticulture includes skills and knowledge to meet the challenges of providing increasing employment opportunities to young horticultural graduates in academic institutions and service sector. The students are trained on a Nursery management and Protected cultivation of high value horticultural crops with an object to develop professionalism in horticultural graduates. **The college has well trained staff, class rooms, laboratories, field and some of the infrastructures from College of Agriculture, Parbhani are used.**

Considering the above objectives, the College of Horticulture, Parbhani was started in the year 1984 as a degree programme B.Sc. (Horticulture) under the administrative control of Associate Dean and Principal, College of Agriculture, VNMKV, Parbhani for the students who have passed XIIth Std. (10+2) (Science), with the intake capacity of 16 students, as per the Govt. Resolution No.AGU 1987/CR-188/20A, dated 18 January 1989 from Maharashtra State (Agricultural & Cooperative Department) in the old building of College of Agriculture. From the year 1996 student intake capacity was increased from 16 to 32 students. From the year 2010 the intake capacity of the students is increased to 37+ ICAR nominees. The college was shifted in the year 2000 in a newly

constructed separate building. The separate DDO powers and administrative control was given to the Professor & Officer In charge, College of Horticulture, Parbhani from 2005. The Experiential Learning Programme in VIIth and VIIIth semester was included in the syllabus since 2009-10.

During last 31 years twenty six batches have graduated from this college and most of graduates got employment in different seed companies, Bank and Govt. organizations. Till date 723 students have completed B.Sc. (Hort.) degree programme.

6.4.1.1.2. Objectives

➤ Mandate of the Institution

The institute is working with three mandates viz. education, research and extension. The institute imparts quality education and conducts applied research and transfers the technologies of horticulture science to the farmers and students.

➤ Mission Statement

To impart professional knowledge and skills to the students to empower them for self-employment

➤ Goals

To meet the needs of farmers, industry, R and D organization and educational institutions.

- To develop capabilities to face the challenge and overall to excel students in their profession.
- Continuing education to impart for horticulture on socio-economic systems in the light of global technology changes.

➤ Current mission. goals and objectives

- To educate graduates in the field of horticulture so as to prepare them for careers in the horticulture science in which they will become leaders in industry and the profession.
- To upgrade the laboratories and infrastructure facilities for providing quality education.

- To conduct need based quality research by applying horticulture principles to solve problems of horticulture and agricultural system and also making sincere efforts to transfer the technologies for empowerment of students and farmers.

➤ **Objectives**

- To impart knowledge and skills to students.
- To impart education, and entrepreneurial skills to increase fruits, vegetables and floricultural production and also value addition through processing of produce by reducing post-harvest losses.

➤ **Future goals and objectives**

- To update the faculty by exposing them to higher studies.
- To upgrade the laboratories of the Institute
- To establish Institute –Industry linkage.

6.4.1.1.3. Accomplishment

1. At present the College of Horticulture is running B.Sc. (Hort.) degree programme which includes courses in fruit science, vegetable science, floriculture and landscape gardening and post-harvest technology. Soil Science and Agricultural Chemistry, Agronomy, Agricultural Engineering, Plant Pathology, Microbiology, Entomology, Agricultural Botany, Economics, Extension along with ELP modules are also included.
2. The college has well-established laboratories of post-harvest technology, plant pathology and entomology. A well-equipped computer laboratory is also established with software facilities and fax machine. A reading room has been created in College building with sufficient number of books. Common examinations are conducted in a spacious examination hall equipped with closed circuit camera. Two digital classrooms are also developed recently. For major functions a well-equipped hall with Audio-video facilities has been developed. A separate boys hostel building with accommodation capacity of 80 students is made available.

3. A Experiential learning - unit for hands on training on Protected cultivation of high value crops" has been sanctioned to this college by ICAR, New Delhi in the year 2006-07 amounting to Rs.70.00 lakhs. It is useful for the practicals of students and farmers training.
4. The college has other important facilities like playground, Gymkhana, National Service Scheme unit, Training and Placement Units etc. The different scholarships like GOI, Freedom fighter, National merit, Merit, ICAR, NTS etc. are made available to the students. Different types of extension education activities such as farmers rallies, field visits, radio talks, training programmes, workshops are attended by the staff members of this college in order to meet the goal of extension activities.

6.4.2 Faculty strength

Table 1 : Faculty strength of college.

Sr. No.	Sanctioned faculty	Sanctioned post	Filled	Vacant	Faculty requirement as per ICAR norms	Deviation
2013-2014						
1	Professor	01	01	-	05	04
2	Associate Professor	01	01	-	07	06
3	Assistant Professor	06	04	02	21	15
2014-2015						
1	Professor	01	01	-	05	04
2	Associate Professor	01	01	-	07	06
3	Assistant Professor	06	04	02	21	15
2015-2016						
1	Professor	01	01	-	05	04
2	Associate Professor	01	01	-	07	06
3	Assistant Professor	06	04	20	21	15
2016-2017						
1	Professor	01	01	-	05	04
2	Associate Professor	01	01	-	07	06
3	Assistant Professor	06	04	02	21	15
2017-2018						
1	Professor	01	01	-	05	04
2	Associate Professor	01	01	-	07	06
3	Assistant Professor	06	04	02	21	15

Sr. No.	Name of Faculty	Designation	Discipline	Qualification
1	Dr.T.B. Tambe	Professor	Horticulture	M.Sc.(Agril.), Ph.D. (Horti.)
2	Dr.M.S. Dadke	Associate Professor	Plant Pathology	M.Sc. (Agril.), Ph.D. Plant Pathology
3	Prof.S.P. Solanke	Assistant Professor	Horticulture	M.Sc. (Horti.)
4	Dr.V.V. Bhagat	Assistant Professor	Horticulture	M.Sc.(Agil).,Ph.D. (Horti.)
5	Dr.B.M. Kalalbandi	Assistant Professor	Horticulture	M.Sc.(Agil).,Ph.D. (Horti.)
6	Prof.A.S. Lohakare	Assistant Professor	Horticulture	M.Sc. (Horti.), NET ASRB

Present profile is meant to teach horticultural and plant pathology courses and is insufficient to meet academic requirement of the college. However, additional help is sought for teaching courses related to Soil science, Botany, Economics, Agril. Engineering, Agronomy, Agril. Meteorology etc. from College of Agriculture, VNMKV, Parbhani (As horticulture college is a sanctioned scheme under College of Agriculture, Parbhani) and faculties from Director of Research to run the degree programme.

***Other faculty**

Table 2: Other faculty profile (departwise) who taught various courses during last five years.

Sr. No.	Type of faculty	Name & Designation	Office Address	Courses offered of B.Sc. / Ph.D.
2013-2014 to 2017-2018				
1	Part time Deputed	--	--	--
2	Contractual faculty	1.Smt. Shubhangi Deshmukh 2. Ganesh Shekde 3. Dr.D.N.Hedgire and 4. Dr. Suchita Ingale 5.Miss. Monika Shinde 5. Shri. S.M.Sarsar 6. Dr D.W.Wadnerkar	Parbhani local Parbhani local Parbhani local Parbhani local Parbhani local Parbhani local Parbhani local	LANG-111 MATH111 Economics and Statistic COMP-111 BOT111 Entomological courses

3	Guest faculty	--	--	--
	Adjunct faculty	Dr.P.B.Kedar	Cotton Research Scheme, VNMKV, Parbhani	All Entomology courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
4		Dr. S.G. Puri	ATIC, VNMKV, Parbhani	All Agril. Extension courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
	Adjunct faculty	Prof. H.H. Bhadarge Dr.L.N. Jawale Dr.A.B. Bagde Prof.S.B. Borgaokar Prof.D.S. Sarang	Department of Botany, VNMKV, Parbhani	Agricultural Botany courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
		Dr. Papita Gaurkhede Dr.S.T. Shirale Dr.S.L. Waikar	Dept. of Soil Science, COA, VNMKV, Parbhani.	Agricultural Chemistry and Soil Science of B.Sc (Hort.) and B.Sc Hons. (Hort.)
		Dr.Gote G.M.	Dept. of Agril. Meteorology, COA, VNMKV, Parbhani.	Agricultural Meteorology of B.Sc (Hort.) and B.Sc Hons. (Hort.)
		Prof. G. D. Gadade Prof.Asha Zote Prof.N.G. Patange Dr.S.S. Shinde	Dept. of Agronomy, COA, VNMKV, Parbhani.	Agronomy related courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
		Dr. R.G. Bhagyawant Er.P.B. Sawant Er. A.R. Mantri	Dept. Agril. Engg. COA, VNMKV, Parbhani.	Agril.Engg. related courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
		Dr, Asha Deshmukh	DSW Office, COA, VNMKV, Parbhani.	Physical Education related courses of B.Sc (Hort.) and B.Sc Hons. (Hort.)
7	Any other	--	--	--

6.4.3 Technical and Supporting staff

Table 3: Technical and Supporting staff at the college

Sr. No.	Non-teaching staff	Sanctioned staff at COH Parbhani	Filled position	Vacant position	Required As per As per ICAR norms	Deviation in the staff position
a)	Assistant Registrar/Administrative Officer	0	-	-	01	01
b)	Superintendent (Administration)	01	01	0	01	00
c)	Assistant Comptroller	0	-	-	01	01
d)	Assistant Engineer (Civil)	0	-	-	01	01
e)	Assistant Medical Officer	0	-	-	01	01
f)	Junior Engineer (Electrical)	0	-	-	01	01
g)	Lab Technician	0	-	-	01	01
h)	Library Assistant	0	-	-	02	02
i)	Lab Assistant	0	-	-	08	08
j)	Field assistant	0	-	-	08	08
k)	Shelf assistant	0	-	-	02	02
l)	Assistant-cum-Computer Operator	0	-	-	06	06
m)	Driver	01	01	0	06	05
n)	Tractor Driver	0	-	-	02	02
o)	Cook	0	-	-	04	04
p)	Care taker	0	-	-	03	03
q)	Plumber	0	-	-	01	01
r)	Electrician	0	-	-	01	01
s)	Bus helper	0	-	-	02	02

t)	Sports helper	0	-	-	02	02
u)	Gardener	0	-	-	06	06
v)	Janitor	0	-	-	02	02
w)	Office Attendant	0	-	-	06	06
x)	Watchman	0	-	-	06	06
y)	Nurse (Female + Male)	0	-	-	02	02
	Total	02	02	0	76	74

6.4.4 Class room and Laboratories

1. Classroom

Table 4: Classroom and laboratories available in the college

Sr. No.	Classroom No.	Space	Capacity	No. of theory batches	Justify if it sufficient to the met required
1	02	456 Sq.ft.	48	01 for each semester	It meets to the requirement of students intake
2		456 Sq.ft.	48	01 for each semester	It meets to the requirement of students intake

2. Laboratories

Sr. No.	Laboratory	Space	Capacity	List of major equipment	No. of practical batches	Justify if it is sufficient to the meet required
1	General horticultural laboratory	516 sq.ft.	30	1. Garden tools. 2. Nursery tools. 3. Plant protection equipments. 4. Breeding kits 5. Seed sample of vegetables, spices and condiments	01	Needs to be strengthened as per V th Deans committee

2	PHT cum processing laboratory	462.52 sq.ft.	30	1.Spectrophotometer 2.pH meter 3. EC meter 4.Hand refractometers 5.Titration unit 6.Distillation unit 7. Ovens 8.Deep freezers 9. Tray drier 10.Vernier Calliper 11.Utensils for processing units 12. Glass wares and chemicals	01	Needs to be strengthened as per V th Deans committee
3	Plant Pathology	516 sq.ft.	03	1.Laminar air flow 2.Incubator 3.Ovens 4.Centrifuge machine	01	Needs to be strengthened as per V th Deans committee

Note : College of Agriculture, Parbhani spares laboratories Dept. of Agronomy, Soil Science and Agril. Chemistry, Botany, Agril. Engineering, Entomology, Extension, Economics etc. To conduct related courses of B.Sc. (Hort.) since establishment of Horticultural College.

3. Farm facilities

Sr. No.	Area	Farm facilities
1	2 ha	A) Orchards of – 1. Mango (3 varieties) 2. Sapota (4 varieties) 3.Sweet orange (8 varieties) 4.Tamrind 5.Guava B) Vegetable crop cafeteria C) Flower crop cafeteria D) Ornamental crops E) Medicinal crops cafeteria F) Forest trees G) Drip Irrigation H) Shade net (1008 Sq.m) I) Naturally ventilated polyhouses (504 &1008 Sq.m) J) Mini tractor

4. Workshop/Other instructional unit if any give details. Nil

5. Theory and practical batches for the degree programme – One theory batch and one practical batch are made in degree programme for each semester

6.4.5 Conduct of practical and hands on training:

As per the course lesson plan students practicals are conducted in a ways that allotted students to get as involved as possible to increase their knowledge and ability and skilled them that can only be learn through hands on practice. Practical's are conducted as per course of lesson plan in accordance with Dean's committee.

Students are practically trained in varietal release, hybrid seed production, seed production and testing and to study vital metabolic activity of plant in Agril. Botany, essential crop production technique in horticulture, soil water and plant analysis technique in soil science and agricultural chemistry, insect studies, nature of damage and control damage of pests in entomology, disease causing organism studies, nature of damage and control measure of diseases in plant pathology basic and applied innovative agricultural extension technology in extension education, horticultural credit system and minimum support prise studies in agricultural economics, pomology vegetable and post harvest studies in horticulture.

There is an interdisciplinary approach in teaching undergraduate courses, when students undergo ELP programme in their VII and VIII semester. A team of specialists in horticultural, Soil scientists, Pathologist, Entomologist, Horticulturist, Agril. Engineering and Economist remains collectively in touch with the students. They meet once in a month and have discussion by guiding them and solving their problems in the particular subject or field. Thus there is a collective and integrated inter disciplinary approach in teaching.

Below table showing conducted practicals and hands on training course wise during degree programme.

Table 5 : Conduct of practicals and hands on training

Sr. No.	Course No.	Course Title	Credits	Hands on training
I SEMESTER				
1	H/HORT-111	Fundamentals of Horticulture	2+1	Handling of different tools and implements layout of orchard, grading packaging fruits and vegetables
2	H/FL-111	Ornamental Horticulture	1+1	Planning and designing garden, preparation of bonsai, flowers arrangements
3	H/SSAC-111	Fundamental of Soil Science	1+1	Collection and preparation of soil samples, analysis of soil pH and EC, organic carbon, NPK etc.
4	H/BOT-111	Principles of Genetics and Cytogenetics	2+1	Demonstration of genetical principal, To study cell structure and function
5	H/EXTN-111	Fundamentals of extension education.	1+1	Planning preparation and use of NPVA, life poster, charts, flash card, folder etc.
6	H/AGROME T-111	Agricultural Metrology	1+1	Handling of different meteorological instruments and recording the data
7	H/COMP-111	Computer Application	1+1	Preparation of slides on power points, internet browsing
8	H/MIBO-111	Introductory Microbiology	1+1	Acquaintance with microscope and other laboratory equipments. Estimation of microbial count by pours plate techniques

9	LANG-111	Comprehension & Communication skills in English	1+1 (NC)	Communication skills, listening comprehension
10	H/PHY-EDN-111	Physical Education	0+1 (NC)	Skills development in the games
II SEMESTER				
1	H/HORT-122	Plant Propagation and Nursery Management	2+1	Propagation techniques
2	H/HORT-123	Growth and development of Horticultural Crops.	1+1	Preparation of different bio regulator powder and use of bio regulator
3	H/SSAC-122	Soil Fertility and Nutrient Management	2+1	Handling of storage of fertilizers
4	H/AGRO-121	Water Management in Horticultural Crops	1+1	Water Management in Horticultural Crops
5	H/BOT-122	Principles of Plant Breeding	1+1	Breeding crossing and selfing techniques in major crops
6	H/BOT-123	Introductory Plant Physiology	1+1	Measurements of water potential
7	H/PATH-121	Fundamentals of Plant Pathology	1+1	Studies of diseases systems and sins
8	H/ENTO-121	Fundamentals of Entomology	1+1	Methods of insects collection and perversion
9	H/STAT-121	Elementary Statistics	1+1	Layout and analysis of statistical designs
10	H/EXTN-122	Agricultural Communication and Journalism	0+1	Use of TV for communication, preparation of scripts, Writing and evaluation of news articles

III SEMESTER				
1	H/FS-231	Tropical and Subtropical fruits	2+1	Training and pruning of fruit crops, selection of site, planting systems, preparation application of growth regulator
2	H/VS-231	Tropical and Subtropical veg.	2+1	Raising of vegetables seedling, trans planting, use of weedicides
3	H/PHT-231	Post harvest management of hort.crops	2+1	Grading and post harvest treatments of fruits and vegetables, packaging in studies
4	H/SPICON-231	Spices and Condiments	1+1	Layout and planting, cultural operations, grading packing storages of spices and condiments
5	H/FL-232	Landscaping gardening	1+1	Layout of gardening structure and designs
6	H/AGRO-232	Weed management in hort.crops	1+1	Identification of weed, herbicides application
7	H/PATH-232	Diseases of veg,ornament & spice crops	2+1	Examination of cultures of Important pathogens
8	H/SSAC-233	Fundamentals of biochemistry	1+1	Preparation of standard solution and reagents
IV SEMESTER				
1	H/FS-242	Breeding of Fruit and Plantation Crops	2+1	Emasculation and pollination, procedure, use of mutagens
2	H/FS -243	Arid Fruit Crops	1+1	Propagation nursery management of arid fruit crops

3	H/VS -242	Temperate vegetables	1+1	Propagation methods, use of growth regulators, harvesting and grading, packing of temperate vegetables
4	H/FL -243	Commercial Floriculture.	2+1	Propagation techniques flowers arrangement, use of chemicals and plant growth regulator in prolonging the vase life of cut flower
5	H/AGRO-243	Organic Farming	1+1	Raising of vegetable crops
6	H/PATH-243	Disease of Fruits, Plantation, Medicinal and Aromatic Crops	2+1	Identification of casual organisms and host parasites
7	H/AROMED-241	Aromatic and medicinal plants	1+1	Processing techniques and extraction of essential oil
8	H/SSAC-244	Soil, irrigation water and Plant Analysis	0+1	Analysis of soil, water and plant content
V SEMESTER				
1	H/VS-353	Breeding of vegetable crops	2+1	Methods of emasculation, techniques of hybridization
2	H/FS-354	Temperate fruits and plantation crops	2+1	Training and pruning in temperate fruits crops, harvesting, grading, packing etc.
3	H/HORT-354	Introductory agro forestry and horti-silvipasture	1+1	Identification of seed and seedling of tree species
4	H/FL-354	Protected cultivation of flower crops	1+1	Production technology and postharvest management of flower crops under protected cultivation

5	H/BOT-354	Environmental science and agro-ecology	1+1	Studies of common plant insects birds and animals
6	H/ENTO-352	Insect Pest Management of fruits, plantation, medicinal and aromatic crops	2+1	Identification of insects pest and their management
7	H/ENTO-353	Insect Pest Management of vegetables, ornamental & spice crops	2+1	Collection and preservation of insects pest of vegetable and ornamental and spices crops
8	H/PATH-354	Mushroom culture	0+1	Cultivation techniques of mushroom and harvesting and packing of mushroom
9	H/ENGG-351	Farm Power and Machinery	1+1	Tools practices, tractor driving
VI SEMESTER				
1	H/FL 365	Breeding and seed production of ornamental crops	1+1	Breeding techniques in ornamental crops and seed production
2	H/VS-364	Seed production in vegetable crops	2+1	Field inspection of seed crop, practices in rouging harvesting and seed extraction
3	H/VS -365	Protected cultivation of vegetable crops	1+1	Production technology of high value vegetable crops under protected cultivation and their post harvest management
4	H/PHT-362	Processing and value addition in Horticultural crops	1+1	Preparation of jam, jelly, marmalade, candies, sauces, pickles etc.
5	H/BIOT-361	Fundamentals of Biotechnology	1+1	Sterilization methods preparation of tissue culture media

6	H/ENTO-364	Nematode pests of horticultural crops and their management	1+1	Extraction nematode from soil and plant part
7	H/ENTO-365	Apiculture	0+1	Collection and preservation and handling of bee colonies
8	H/EXTN-363	Entrepreneurship Development and Communication Skills	1+1	Dyadic communication, meetings, conducting of mock interviews
9	H/MIBO-362	Applied microbiology	0+1	Preparation of compost, assessment of water quality
VII SEMESTER				
1	H/HORT-EL-471	Nursery production and management	0+20	All propagation techniques and special horticultural practices
VIII SEMESTER				
1	H/HORT-EL-483	Protected cultivation of high value flower and vegetable crop	0+20	Production technology of high value flower and vegetables under different protected structures.

Table 6 : Statement showing number of students' year wise undergone ELP

Sr. No.	Degree course	Practical and Hand out training				
		2013-14	2014-15	2015-16	2016-17	2017-18
1	UG	136	136	125	128	124
2	UG RAWE	Not applicable				
3	UG ELP VII Sem	29	28	34	34	37
	VIII sem	29	28	34	34	37

6.4.6 Supervision of students in PG/Ph.D. degree programmes

Table 7 Supervision of students in PG/Ph.D. degree programmes

Sr. No.	Name of faculty	Designation	No. of students supervised in PG programme				
			2013-14	2014-15	2015-16	2016-17	2017-18
Department of Horticulture							
1	Dr.T.B. Tambe	Professor and Officer Incharge	03	02	02	04	05
Department of Plant Pathology							
2	Dr.M.S. Dadke	Associate Professor	01	02	-	02	02
Department of Horticulture							
3	Dr.V.V. Bhagat	Assistant Professor	-	02	02	02	01
4	Dr.B.M. Kalalbandi	Assistant Professor	01	01	-	-	01

Table 8 : Intake capacity and No. of qualified faculty

Sr. No.	Year	Intake capacity of College		No. of qualified faculty
1	2013-14	B.Sc. (Hort.)	37+ICAR	05
2		M.Sc. (Agri.)	Not applicable	05
3		Ph.D. (Agri.)	Not applicable	01
1	2014-15	B.Sc. (Hort.)	37+ICAR	06
2		M.Sc. (Agri.)	Not applicable	05
3		Ph.D. (Agri.)	Not applicable	01
1	2015-16	B.Sc. (Hort.)	37+ICAR	06
2		M.Sc. (Agri.)	Not applicable	05
3		Ph.D. (Agri.)	Not applicable	01
1	2016-17	B.Sc. (Hort.)	37+ICAR	06
2		M.Sc. (Agri.)	Not applicable	05
3		Ph.D. (Agri.)	Not applicable	01
1	2017-18	B.Sc. (Hort.)	37+ICAR	06
2		M.Sc. (Agri.)	Not applicable	05
3		Ph.D. (Agri.)	Not applicable	01

Table 9 : Annually Updated Faculty Profile reflecting the positions

S.No	Name of employees	Designation	Qualification
2013-14			
1	Dr. S.B. Rohidas	Professor & Professor & Incharge	Ph.D. (Agri.)Horticulture
2	Shri.S.P. Solanke	Assistant Professor	M.Sc. (Agri.)Horticulture
3	Dr.V.V. Bhagat	Assistant Professor	Ph.D. (Agri.)Horticulture
4	Prof.B.M. Kalalbandi	Assistant Professor	M.Sc. (Agri.)Horticulture
2014-15			
1	Dr. A.S. Kadam	Professor & Professor & Incharge	Ph.D. (Agri.) Horticulture
2	Shri.S.P. Solanke	Assistant Professor	M.Sc. (Agri.)Horticulture
3	Dr.V.V. Bhagat	Assistant Professor	Ph.D. (Agri.)Horticulture
4	Prof.B.M. Kalalbandi	Assistant Professor	M.Sc. (Agri.)Horticulture
5	Shri.A.S. Lohakare	Assistant Professor	M.Sc. (Agri.)Horticulture
2015-16			
1	Dr. A.S. Kadam	Professor & Professor & Incharge	Ph.D. (Agri.) Horticulture
2	Dr.G.P. Jagtap	Associate Professor	Ph.D. (Agri.) Pathology
3	Shri.S.P. Solanke	Assistant Professor	M.Sc. (Agri.)Horticulture
4	Dr.V.V. Bhagat	Assistant Professor	Ph.D. (Agri.)Horticulture
5	Prof.B.M. Kalalbandi	Assistant Professor	M.Sc. (Agri.)Horticulture
6	Shri.A.S. Lohakare	Assistant Professor	M.Sc. (Agri.)Horticulture
2016-17			
1	Dr.G.M. Waghmare	Professor & Professor & Incharge	Ph.D. (Agri.) Horticulture
2	Dr.G.P. Jagtap	Associate Professor	Ph.D. (Agri.) Pathology
3	Shri.S.P. Solanke	Assistant Professor	M.Sc. (Agri.)Horticulture
4	Dr.V.V. Bhagat	Assistant Professor	Ph.D. (Agri.)Horticulture
5	Dr.B.M. Kalalbandi	Assistant Professor	Ph.D. (Agri.)Horticulture
6	Shri.A.S. Lohakare	Assistant Professor	M.Sc. (Agri.)Horticulture

2017-18			
1	Dr. T.B.Tambe	Professor & Professor & Incharge	Ph.D. (Agri.)Horticulture
2	Dr.M.S. Dadke	Associate Professor	Ph.D. (Agri.) Pathology
3	Shri.S.P. Solanke	Assistant Professor	M.Sc. (Agri.)Horticulture
4	Dr.V.V. Bhagat	Assistant Professor	Ph.D. (Agri.)Horticulture
5	Dr.B.M. Kalalbaandi	Assistant Professor	Ph.D. (Agri.)Horticulture
6	Shri.A.S. Lohakare	Assistant Professor	M.Sc. (Agri.)Horticulture

6.4.7 Feedback of stakeholders

Table 10 : Feedback of students, parents, industries, employers, farmers etc

Sr. No.	Type of stakeholders	Feedback mechanism	Action Taken Adhering to
1	Students	Complaint box, Counsellor	Need based Rules and regulations
2	Parents	Counsellor, Telephonic contacts	Rules and regulations
3	Employers	Self-assessment reports	Confidential reports are written by Officer Incharge
4	Industries	BOS,AGRESCO	Experiments are allotted to M.Sc. students. AGRESCO experiments are conducted. Three recommendations released during last five years
5	Farmers	BOS,AGRESCO	

6.4.8 Students intake attrition in the programme for last five years

Table 11 : Students intake attrition in the programme for last five years

Year	Total students capacity	Students admitted	Attrition No	Attrition (%)
13-14	40	40	8	20
14-15	40	40	5	12.5
15-16	40	38	-	0
16-17	40	40	1	2.5
17-18	40	40	2	5.0

6.4.9 ICT Application in Curricula Delivery:

6.4.9.1. Availability of Computers and Access to Internet

The University library has computers and access to internet for browsing varied sites, downloading information and for using e-resources.

6.4.9.2. Audio-Visual and Multimedia Support

The College has a well-established Computer Lab. The classrooms are equipped with LCD projectors. The college staff provides facilities required by the students for presentation of class reports and seminars.

6.4.9.3. University Library and Usages

The academic staffs, students of under graduation and Post-graduation utilize the library for collecting study material and references through the e-journals, encyclopaedias, e-consortium and other e-resources. The text books/ reference books are issued to the students on demand.

6.4.9.4. Any other Unique Instructional Material / Technique Adopted

Use of horticulture e-course (<http://ecoueses.iasri.res.in/>), e-resources through sharing of audio video lectures and Power Point presentations for effective teaching learning process.

Adoption of ICAR Norms for Library and other Learning Resources, and Deviations ICAR Norms are adapted.

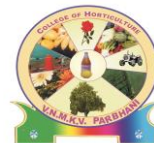
6.4.10 The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG,PG and Ph.D degree programmes separately and to be presented collegewise-**Attained.**

6.4.11 Since the accreditation of programmes is related to the All India Admission from ICAR and also having weightage for college accreditation therefore the data presented in the section 6.4 is liable to the verification at any stage.

6.4.12 Certificate

I, Dr.T.B. Tambe, the Professor and In charge, College of Horticulture, VNMKV, Parbhani hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the College.

Stamp



6.5 Self Study Report for the College

6.5.1 College Administration:

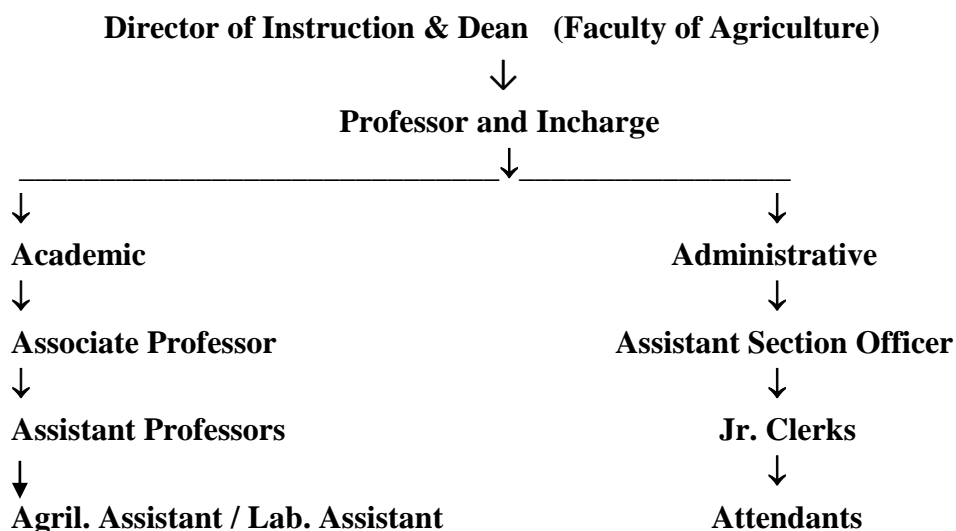
➤ Authorization

Professor and Incharge of the College is authorized to guide and monitor the working of the College.

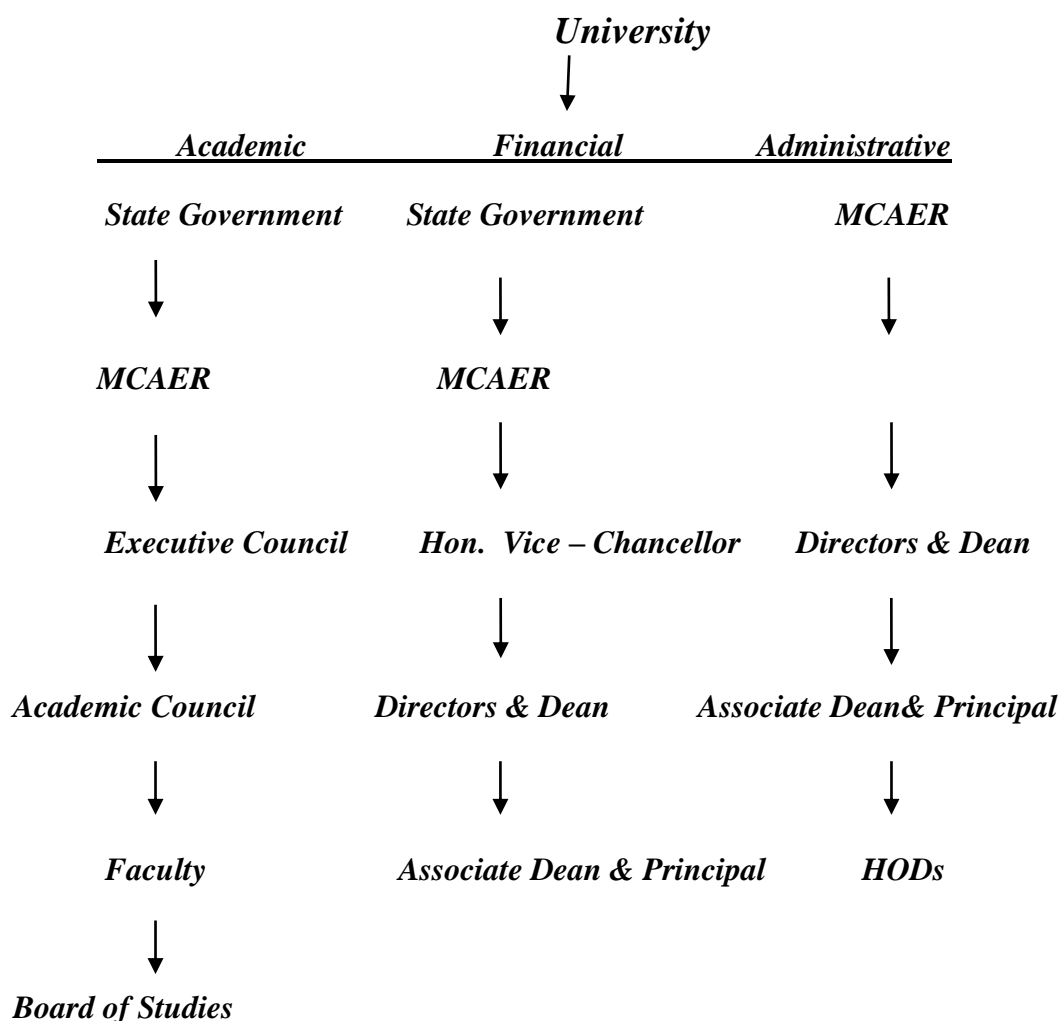
➤ Authorities, and their composition, powers and responsibilities

The Faculty follows the Maharashtra Agricultural Universities (Krishi Vidyapeeth) Statute (1990) MAU (First Amendment (2014)).

➤ Organizational Structure at college level



- Flow chart showing the decision making process on various aspects of the University functioning



6.5.1.1 College Dean's office Establishment:

College has sanctioned post of Dean as per ICAR model act/UGC guidelines. As College is sanctioned as scheme run under college of Agriculture, VNMKV, Parbhani and presently the College is headed by Professor of Horticulture as its Incharge having separate DDO powers.

2. Date of selection of present Dean :- 17/07/2017

3. Mode of selection: Nomination.

4. Tenure: Five years

5. Staff in Dean's secretariat: No separate staffs are provided for as Dean's secretariat from college.

6. Infrastructure/facilities available in the Dean's Secretariat:

Table 12 : Infrastructure/facilities available in the Dean's Secretariat

Sr. No.	Particulars	Availability		
		No. of unit	Plinth Area (Sq.m)	Capacity is adequate
1.	Administrative offices	01	1000	Yes

Physical facilities like seating arrangement for visitors, staff members, separate computer with internet facilities, landline telephone, inverters, A/c are provided.

6.5.1.2 Monitoring Mechanism for Quality Education (On line):

The College is having an internal quality assurance system with appropriate structure and processes and with enough flexibility to meet the diverse stake holders. DICCE established at state level takes adequate measures to ensure the effective development of the curricula by considering inputs from various sources (ICAR). The faculties are encouraged to contribute to the curricula development and their contribution to curricula development is given due weightage.

➤ **Faculty Contribution**

- The teaching staff members have prepared practical manuals for the courses of B.Sc. (Hort.) degree programme.
- Prepared Educational AV aids, Training Manuals, Educational Video Films etc. for quality educators.

Recognition and Award Systems

Officers :1) University level Best Teacher Award

2) Radhakrishana Shanti Malhotra Award for Best Researchers

Other Staff: University level Appreciation Certificates for the extraordinary contribution of the staff.

The degree programmes offered by the college to students is monitored for excelling in academics, research and extracurricular activities is done by giving assignment work, seminars, presentation of outline of research work and project seminars. A student advisory is provided to each batch of the student in the first semester of the

programme. The students were given the list of faculties who will be teaching the students. This advisor and course teacher guide the student and monitor their performance regularly. Student advisor hold meetings to monitor and guide the students. Further all the students daily interact with their faculties in their subjects. All the students are given opportunity to work in well-equipped labs in the division which are regularly modernized based on the requirement of curriculum and advancement in research methodology. Study tours, field trips and assignments are part of most courses. Experts in specialized field of research are invited to deliver special lectures to update the students on current trends in the research and development.

➤ **Ensuring quality education Faculties are assessed through**

- Monthly meetings are taken by Professor and Incharge regarding delivery of the syllabus.
- Each faculty is assessed through the confidential report by the Controlling Officer every year.
- Getting the feedback from students and alumni at Departmental and College levels. It is collected formally and informally for taking necessary steps. The feedback is used to improve the quality of teaching and learning process.

The impact of monitoring on the outcome of the College can be well judged by following data:

Table 13 : Yearwise admitted and passed out students since inception

Sr.No	Year	Admitted student	Passed student
1.	1987-1988	22	17
2.	1988-1989	21	09
3.	1989-1990	16	16
4.	1990-1991	18	15
5.	1991-1992	21	18
6.	1992-1993	19	12
7.	1993-1994	22	16
8.	1994-1995	23	20
9.	1995-1996	23	20
10.	1996-1997	33	18
11.	1997-1998	36	15
12.	1998-1999	30	15
13.	1999-2000	29	19
14.	2000-2001	33	24
15.	2001-2002	27	31

16.	2002-2003	34	25
17.	2003-2004	30	18
18.	2004-2005	29	28
19.	2005-2006	29	38
20.	2006-2007	32	22
21.	2007-2008	29	33
22.	2008-2009	29	35
23.	2009-2010	34	31
24.	2010-2011	42	19
25.	2011-2012	42	27
26.	2012-2013	41	29
27.	2013-2014	40	29
28.	2014-2015	41	28
29.	2015-2016	39	34
30.	2016-2017	41	34
31.	2017-2018	40	-
Total number of students passed upto 2017-18		905	723

6.5.1.3 CC/Board of Studies:

BoS does not exist at College level. However, BoS are regularly conducted by Head, Department of Horticulture, College of Agriculture, VNMKV, Parbhani and faculties of college participate in it, and present the development and in the subjects of degree programme.

Sr. No.	Year	BoS meeting dates	Recommendations
1	Nil	Nil	Nil

6.5.1.4 Anti Ragging Cell :

In pursuance to the Judgement of the Hon. Supreme court of India 2009, an Anti ragging cell is established in the college to curb the menace of ragging in the campus.

Measures taken to curb the menace of ragging in the campus.

1. The anti-ragging posters have been displayed at the prominent places of the college and hostel.
2. An anti-ragging squad has been established in order to prohibit the ragging activities.
3. Vigilance squad has also been established under the chairmanship of Professor and Incharge for monitoring the evidences in college and hostel premises.
4. The undertakings have been taken from each student admitted in the college on stamp paper of Rs.100/-regarding non-involvement in the ragging activity.

5. The newly admitted students are informed about the rules and punishment of ragging during the orientation programme at college.
6. The strict instructions have already been given to the senior students at the time of commencement of the academic session to prohibit the ragging incidences.
7. For creating awareness among the students, anti-ragging instructions being displayed on notice board of college and hostel from time to time.
8. The Principal and other anti-ragging squad members are keeping serious watch to avoid such incidences in college and hostel premises.
9. The names and contact details of anti-ragging committee members has been displayed on university website under students corner vide office letter No.GPE/HT/972/16 on dated 17-3-2016.
10. The admitted students are informed to fill up the **ON LINE FORM OF ANTI-RAGGING** on the websites www.amanmovement.org OR www.antiragging.in as per the directives of Hon. Supreme Court and UGC/MHRD Regulations and asked to submit hard copy of the same signed by students and their parents to the college office for record.

Following Anti ragging committee were constituted from the year 2013-14 to 2017-18 and also to keep vigilance in the hostel and college campus.

Table 14 : Anti ragging committee

Sr.No.	Name of member	Designation	Remarks
Academic year 2013-14			
1	Dr. S.B. Rohidas	Professor & Incharge	Chairman
2	Prof.S.P. Solanke	Asstt. Professor	Member
3	Prof.B.M. Kalalbandi	Asstt. Professor	Member
4	Dr.V.V. Bhagat	Asstt. Professor	Member
5	Shri.S.N. Ahire	Asstt. Section Officer	Member
6	Shri.A.R. Deshmukh	Agril. Asstt	Member
7	Shri.U.M. Kamble	Blacksmith	Member
8	Shri.G.S. Mane	Jr. clerk	Member
9	S.L. Surdkar	Agril.Assistant	Member
10	Smt. Sunita Talekar	Mazdoor	Member

Academic Year 2014-15			
1	Dr. A.S. Kadam	Professor & Incharge	Chairman
2	Dr.G.P. Jagtap	Associate Professor	Member
3	Prof.S.P. Solanke	Asstt. Professor	Member
4	Prof.B.M. Kalalbandi	Asstt. Professor	Member
5	Dr.V.V. Bhagat	Asstt. Professor	Member
6	Prof.A.S. Lohakare	Asstt. Professor	Member
7	Shri.R.M. Thorat	Asstt. Section Officer	Member
8	Shri.A.R. Deshmukh	Agril. Asstt	Member
9	Shri.U.M. Kamble	Blacksmith	Member
Academic Year 2015-16			
1	Dr. A.S. Kadam	Professor & Incharge	Chairman
2	Dr.G.P. Jagtap	Associate Professor	Member
3	Prof.S.P. Solanke	Asstt. Professor	Member
4	Prof.B.M. Kalalbandi	Asstt. Professor	Member
5	Dr.V.V. Bhagat	Asstt. Professor	Member
6	Prof.A.S. Lohakare	Asstt. Professor	Member
7	Shri.D.R. Jadhav	Asstt. Section Officer	Member
8	Shri.A.R. Deshmukh	Agril. Asstt	Member
9	Shri.U.M. Kamble	Blacksmith	Member
Academic Year 2016-17			
1	Dr. A.S. Kadam	Professor & Incharge	Chairman
2	Dr.G.P. Jagtap	Associate Professor	Member
3	Prof.S.P. Solanke	Asstt. Professor	Member
4	Prof.B.M. Kalalbandi	Asstt. Professor	Member
5	Dr.V.V. Bhagat	Asstt. Professor	Member
6	Prof.A.S. Lohakare	Asstt. Professor	Member
7	Shri.D.R. Jadhav	Asstt. Section Officer	Member
8	Shri.A.R. Deshmukh	Agril. Asstt	Member
9	Shri.U.M. Kamble	Blacksmith	Member

Academic Year 2017-18			
1	Dr. T.B. Tambe	Professor & Incharge	Chairman
2	Dr.G.P. Jagtap	Associate Professor	Member
3	Prof.S.P. Solanke	Asstt. Professor	Member
4	Prof.B.M. Kalalbandi	Asstt. Professor	Member
5	Dr.V.V. Bhagat	Asstt. Professor	Member
6	Prof.A.S. Lohakare	Asstt. Professor	Member
7	Shri.D.R. Jadhav	Asstt. Section Officer	Member
8	Shri.A.R. Deshmukh	Agril. Asstt	Member
9	Shri.U.M. Kamble	Blacksmith	Member

6.5.1.5 Biological waste disposal facility:

At college two manure pits were constructed having six compartments each. The waste material collected while cleaning the campus is collected at placed in dust bins. The same material is placed in pits constructed at the instruction field for decomposition and again for recycling and to be used for field application. Regarding biological farms waste (plant stubbles, pruned plant material, harvest remains etc) is collected periodically and heaped in pits. The decomposing manure cultures are added to the pits. Turning are given to the material placed in the pits. After 4-5 months the decomposed material is used as compost fertiliser for field application.

6.5.1.6 Instructional Ethics Committee for Experiment on Animals: Nil

The syllabus of horticulture degree programme does not cover the experiments related to animals, hence the committee on aforesaid subject doesn't exist.

6.5.1.7 Committee for Prevention of Sexual Harassment of Women at work places:

Yes, the constitution of Complaint against women's harassment committees has been established as per university order No. AA/517, dt 16/07/2015 for the period 01/05/2015 to 30/04/2018 at university level. Till to date there is no any complaints received regarding women's harassment in the institution.

However, committee consists of following members to attend the issues related to harassment of women in working places.

Table 15: Committee for Prevention of Sexual Harassment of Women at work places

Sr No	Name of the member	Position
1	Dr Hemagini L Deshpande Associate Dean & Principal, College of Community Science, VNMKV, Parbhani	Chairman
2	Dr Vijaya Nalawade Head, College of Community Science, VNMKV, Parbhani	Member
3	Dr Smita Khodke, Associate Professor, College of Agriculture Engineering, VNMKV, Parbhani	Member
4	Prof. Mrs Vijaya Pawar, Associate Professor, College of Food Technology, VNMKV, Parbhani	Member
5	Dr Asha Deshmukh, Associate Professor, Student Welfare Officer, VNMKV, Parbhani	Member
6	Smt. Ujawala Deshpande, Section Officer, College of Food Technology, VNMKV, Parbhani	Member
7	Smt Shrilekha Vajhe, Dhanvantri Organisation, Juna Pedgaon road, Parbhani	NGO
8	Ku. Priyanka Swami	Students Representative
9	Padmakar Patil, Assistant Registrar, VNMKV, Parbhani	Member Secretary

6.5.2 Faculty

6.5.2.1 Faculty Strength at College

Table 16 : Faculty Strength at College

Sr. No.	Year	Sanctioned faculty	Sanctioned post in position	Faculty in place	Vacant position
1	2013-14	Professor	01	01	-
2		Associate Professor	01	02	-
3		Assistant Professor	06	03	03
1	2014-15	Professor	01	01	-
2		Associate Professor	01	01	-
3		Assistant Professor	06	04	02
1	2015-16	Professor	01	01	-
2		Associate Professor	01	01	-
3		Assistant Professor	06	04	02
1	2016-17	Professor	01	01	-
2		Associate Professor	01	01	-
3		Assistant Professor	06	04	02
1	2017-18	Professor	01	01	-
2		Associate Professor	01	01	-
3		Assistant Professor	06	04	02

6.5.2.2 Faculty profile (department wise)

Table 17: Faculty profile (department wise)

Sr. No.	Discipline	Faculty	Sanctioned faculty at COH Parbhani	Filled positions	Vacant positions	Faculty requirement as per ICAR norms	Actual additional faculty requirement
	Associate Dean		0	0	1	1	1
1	Department of Fruit Science (Breeding + Production)	Professor Associate Professor Assistant Professor	Prof. 1 Asso. Prof. 0 Asstt.Prof. 6	Prof. 1 Asso. Prof. 0 Asstt.Prof. 4	Prof. 0 Asso. Prof. 0 Asstt.Prof. 2	1 1 3	Prof. 3 Asso. Prof. 2 Asstt.Prof. 1
2	Department of Vegetable science (Breeding + Production) + Seed Production/Seed Technology	Professor Associate Professor Assistant Professor				1 1 2	
3	Department of Floriculture and Landscape Architecture (Breeding + Production)	Professor Associate Professor Assistant Professor				1 0 1	
4	Department of Post Harvest Technology	Professor Associate Professor Assistant Professor				1 0 1	
5	Department of Plant protection	Professor Associate Professor Assistant Professor	0 0 0	0 0 0	0 0 0	0 1 1	0 1 1
	a. Entomology+/ Nematology						
	b.Plant pathology +/ Nematology	Professor Associate Professor Assistant Professor	0 1 0	0 1 0	0 0 0	0 1 1	0 0 1

6	Department of Basic Sciences Biochemistry, Crop physiology, Biotechnology & genetics and plant breeding, Statistics, Computer science	Professor	0	0	1	1	1
		Associate Professor	0	0	1	1	1
		Assistant Professor	0	0	4	4	4
7	Department of Natural Resource Management 1. Soil Science & Agril. Chemistry 2. Microbiology 3. Water Tech Centre (WTC) 4. Environmental Science 5. Agricultural Engineering Agro Forestry	Professor	0	0	0	0	0
		Associate Professor	0	0	1	1	1
		Assistant Professor	0	0	4	4	4
8	Department of Social Science 11. Agriculture Extension 12. Agriculture Economics 13. Agri/Horticulture Business Management 14. English 15. Physical Education Library Science	Professor	0	0	0	0	0
		Associate Professor	0	0	1	1	1
		Assistant Professor	0	0	4	4	4

Present profile is in sufficient to meet academic requirement of the college. However, additional help is sought from College of Agriculture, VNMKV, Parbhani (As horticulture college is a sanctioned scheme under College of Agriculture, Parbhani) and faculties from Director of Research to run the degree programme.

6.5.2.3 Credentials of the faculty:

Table 18 : Credentials of the faculty during last five years

Sr. No	Name of faculty	Year of joining university	Designation	Highest qualification	Related work experience in the field	Professional Licensure	Certificate Honors/ Awards	Continuous documented excellence in teaching (List enclosed)	Demonstration competencies and achieve meets that contributes to effective teaching and students learning out cum (List enclosed)
1.	Dr T B Tambe	2008	Professor and Incharge	Ph. D (Hort.)	30 Years	Yes	-	MSc and Ph.D teacher and guide Guided- 05 M.Sc students and 01 Ph.D student	1. 03 Joint AGRESCO recommendation and one variety released. 2. Research papers- 08 3. Participation in Seminar/Symposia – 01
2	Dr.M.S. Dadke	2007	Associate Professor	Ph. D (Agri.)	13 years	Yes	NET	M.Sc. Teacher & Guided 12 M.Sc. (Agri.)students	1. Research papers- 05 2. Practical manual - 03, 3. International and National in Seminar/Symposia – 02 4. Winter or Summer school - 01
3	S.P.Solanke	1978	Assistant Professor	M.Sc. (Agri.) Horticulture	30 Years	Yes	-	MSc teacher	1. Research papers- 04 2. Practical manual - 01,
4	Dr VV Bhagat	2003	Assistant Professor	Ph. D (Hort.) NET (ASRB)	15 years	Yes	-	MSc and Ph.D teacher and guide Guided- 04 M.Sc students	1. Research papers- 09 2. Practical manual - 01, 3. Participation in Seminar/Symposia – 02 4. Winter or Summer school - 02
5	Dr B M Kalalbandi	2007	Assistant Professor	Ph. D (Hort.) NET (ASRB)	11 years	Yes	-	MSc and Ph.D teacher and guide Guided- 04 M.Sc students	1.03 Joint AGRESCO recommendations 2. Participation in Seminar/Symposia – 02 3. Winter or Summer school – 02 4. Research papers- 05 5. Practical manual - 01,
6	A.S. Lohakare	Oct. 2014	Assistant Professor	M.Sc. (Agri.) Horticulture NET (ASRB)	3 years	Yes	-	--	1. Participation in Seminar/Symposia – 04 2. Winter or Summer school - 01 3. AIR, Parbhani.-06 4. Research papers- 08 5. Practical manual - 01, 6. Popular articles- 34 7. Folders-05

6.5.2.4 Technical and Supporting staff :

Table 19 : Technical and Supporting staff

Sr. No.	Year	Sanctioned staff	Sanctioned staff	Staff in place	Vacant position
1	2013-14 to	Technical staff	-	-	-
2	2017-18	Supporting staff	02	02	-
3		Field staff	-	02	-

As per above staff in place, one Agril. Assistant who is deputed from College of Agriculture, Parbhani is appointed for field activities of instructional farm to cater the needs of practical and field experiments and seven Malis (Gardeners) are appointed to assist him. While one Agril. Assistant who is deputed from College of Agriculture, Parbhani is appointed to look after the work of educational and scholarship activities. Assistant Section Officer is appointed to prepare proposals required to support the above foresaid persons to carry their activities efficiently. Another supporting staff is driver who looks after the college vehicle to attend Professor and Incharge daily and students and staff when needed.

6.5.3 Learning resources:

6.5.3.1 College library (digital):

College library is not available. However, all above facilities of use of wifi, books, journals, thesis are available at Central Library, VNMKV, Parbhani and are shared.

6.5.3.2 Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery ponds etc. :

Table 20 : Physical facilities available in the college

Sr. No.	Particulars	Number	Space	Speciality to conduct practical/ hands on training
1	Laboratory	03	978.52 Sq.m	ELP, PHT and Value addition, breeding courses, fundamental courses of horticulture, management practices of horticultural crops, plant protection measures
2	Instructional Farm	01	2 ha	Fruit crops, vegetables crops, flower crops, protected cultivation
3	Workshops Dairy Plant	-	-	-
4	Veterinary Clinic	-	-	-
5	Hatchery	-	-	-
6	Ponds	-	-	-

6.5.3.3 Student READY/In plant Training/Internship/Experimental Learning

Programmes:

Implementation of student READY: Incorporated in new syllabus of V Dean Committee of B.Sc. Hons (Hort.) from the academic year 2017-18 and is yet to be implemented in forth coming batches.

Rural Entrepreneurship Awareness Development Yojana: Incorporated in new syllabus of V Dean Committee of B.Sc. Hons (Hort.) from the academic year 2017-18 and is yet to be implemented in forth coming batches.

ELP Unit sanctioned by ICAR and its status

Table 21 : Students READY/Internship/In plant training/ELP at the college

Name of ELP unit sanctioned	Name of College	Year of start	Grant received	No. of students trained					Income generated (Rs.)					Total Rs.	Profit sharing with students				
				13-14	14-15	15-16	16-17	17-18	13-14	14-15	15-16	16-17	17-18		13-14	14-15	15-16	16-17	17-18
Nursery Production and Management	College of Horticulture VNMKV, Parbhani	2006-07	35.00 lakh	28	28	34	34	37	10500	Nil	Nil	Nil	3000	13500	Nil	Nil	Nil	Nil	Nil
Protected cultivation of high value flower and vegetable crops	College of Horticulture VNMKV, Parbhani	2006-07	35.00 lakh	28	28	34	34	37	3968	8055	1050	3360	Nil	16433	Nil	Nil	Nil	Nil	Nil

6.5.3.4 Curricula Delivery Through IT (smart class rooms/interactive board etc.):

College is using smart class rooms (K yan and LCD projectors) for teaching and practicals

2. Number of classroom upgraded as smart: 02

6.5.4 Student Development:

6.5.4.1 Student Intake and Attrition :

Table 22: Students' Intake. Attrition and Retention

Year	Total students capacity	Students admitted	Attrition No	Attrition (%)
13-14	40	40	8	20
14-15	40	40	5	12.5
15-16	40	38	-	0
16-17	40	40	1	2.5
17-18	40	40	2	5.0

6.5.4.2 Average Number of Students in Theory and Practical Classes :

Table 23 : Average Number of Students in Theory and Practical Classes

Sr. No.	Name of the degree programme	Batch of students in theory class	Batch of students in practical class
1	UG 1) B.Sc.(Hort.) 2) B.Sc. Hons. (Hort.)	40 students	Two batches with 20 students each

6.5.4.3 Admission process :

1. Mechanism of admission for UG, PG and Ph.D.

Central admission at MCAER level is done for B.Sc Hons (Hort.) degree programme. Selection for admission of new candidates to the first semester of undergraduate courses is made in accordance with the regulations made by MCAER, Pune from time to time

Eligibility for Admission to B.Sc (Hons.) Horticulture

As per provisions of Article 5 of the Maharashtra Agricultural Universities (Krishi Vidyapeeths) Act 1983, the candidate, who is aspiring to get admission to the Undergraduate horticulture course, and his parents should be residing in Maharashtra State for at least 3 years in the past 10 years from the date of submitting the application form, and such candidates shall be deemed as eligible for admission. Hence, the candidates and their parents who have been residing in the State for less than 3 years in the past 10 years shall be considered as Out of State candidates and for them the admission capacity shall remain limited to 2% of the admission seats.

➤ Eligibility for Admission

Table 24 : Eligibility criteria for B.Sc. Hons. (Hort.) admission

Particulars of Examination	B.Sc Hons. (Hort.)
Qualifying Examination	10+2 Science with Physics, Chemistry, Biology/Maths, English with qualify in CET for agriculture.
Entrance Examination	Starting from 2018 batch
Others (Specify)	Merit basis

➤ Distribution of seats

Table 25 : Showing distribution of seats

Sr. No.	Quota	Students eligible from	No. of seats
1	M Quota (30 %)	The candidates from the state of Maharashtra	37
2	U Quota (70 %)	Candidates who have passed the qualifying examination from schools colleges that come under the jurisdiction of of respective Universities of Maharashtra	
3	ICAR Quota (4 %)	Seats for Indian Council of Agricultural Research, New Delhi and candidates from other States	04
4	MCAER Quota (2 %)	Seats for MCAER and candidates from other States	01

As per the provisions made in the Indian Constitution, provisions made under the Maharashtra Agricultural Universities (Krishi Vidyapeeths) Act, 1983, and also as directed by government resolutions from time to time, specific seats have been reserved for admission in the colleges –

Table 26 Details of reservation quota in admission process:

Sr.No.	Reserved Category	%
1	Scheduled Castes/ Nav- Budha (SC)	13
2	Scheduled Tribes (ST)	07
3	Vimukta Jati (VJ) (a) (14 and others)	03
4	Nomadic Tribes (NT) (b) (28 listed prior to 1990 and others)	2.5
5	Nomadic Tribes (NT) (c)	3.5
6	Nomadic Tribes (NT) (d) (Vanjar, Vanjari, Vanjara)	02
7	Other Backward Classes (OBC)	19
	Total	50
8	Children of Freedom Fighter (FF)	02
9	Handicapped Candidates (low vision, hearing impairment, locomotors disability or cerebral palsy (PH)	03
10	Children of Defence Personnel / Ex-serviceman (DP)	02
11	Project Affected Person and their children as defined in the Maharashtra Resettlement of Project Displaced Act,1976 (PAP)	04
12	Agriculturist and those children of Agriculturist who possess minimum qualification or experience in Agriculture. (AG)	06
13	Female	30
14	Candidates and their parents have not resided in the State of Maharashtra at least 3 years during the period of 10 years immediately preceding the date on which admission is sought. (OS)	02

- The academic year of senior students commences from June-July as per the academic calendar.
- The MAUEB in consultation with the MCAER, Pune finalize the academic calendar.

2. Fees payment mechanism

Each and every student has to pay the fees ON LINE and register the courses during the notified period by MAUEB/MCAER/University/College.

3. Registration procedure

Registration shall consist of:

- 1) Payment of college/hostel fees and other fees to Professor and Incharge

- 2) Enrolment of a student in various courses in consultation with the respective Counsellor and depositing with the Professor and Incharge, the roster form duly filled in and signed by the student, Counsellor course teacher.
- 3) A student seeking admission to semester other than the first shall be permitted by the Professor and Incharge on payment of a late fee of Rs 100/- per day upto a period of five working days and including the day notified for registration. No registration is permitted on the expiry of this period.
- 4) Medical examination and premium for student safety insurance are compulsory for all students admitted during first year. If a student is found medically unfit, he is liable to be discontinued from the university.

4. Academic scheduled publications at start of the semester

Academic schedule:

The academic year of first year commences just after admissions are completed. The syllabus is prepared and planned on line with sound practical base as per IVth and Vth Deans committee. The horticultural graduates today are provided technology not only for increasing fruits, vegetables and ornamental plants production but also for reducing post harvest losses and value addition through processing of produce. The practical emphasis on plant protection measures for major horticultural crops is also covered. Increasing export opportunities in horticulture and allied industry sector has additional demands on horticulture education to meet the growing requirement of fruit, vegetable and flower crops. The education in horticulture includes practical skills and knowledge to meet the challenges of providing increasing employment opportunities to young horticultural graduates in academic institutions and service sector. Hence during IVth and Vth Dean committee syllabus maximum credits were allotted for practicals (67+93=160) and 83+100=183, respectively.

The Experiential Learning Programme in VIIth and VIIIth semester was included in the syllabus since 2009-10. The students are trained on a Nursery management and Protected cultivation of high value horticultural crops with an object to develop professionalism in horticultural graduates. Till to date 217 students in VII sem and 193 students in VIII sem have undergone hands on training on each modules during last five years. In new syllabus as per Vth dean committee the practical components like ELP,

RHWE and Placement in Industries are incorporated to cater the needs of stakeholders are incorporated.

During last 31 years twenty six batches have graduated from this college and most of graduates got employment in different seed companies, Bank and Govt. organizations. Till date 723 students have completed B.Sc. (Hort.) degree programme.

6.5.4.4 Conduct of Practical and Hands on Training:

- The main object to start B.Sc. (Hort.) degree programme in Marathwada region is to cater the needs of advance knowledge of fruit, vegetable and flower growers of the region and others involved in horticultural industries. The students are trained for recent trends in horticulture.

6.5.4.5 Examination and Evaluation Process:

As per rules and regulations approved by the Maharashtra Council of Agricultural Education and Research in its 84th and 86th meeting held on 25.7.2010 and 19.4.2012 vide Resolution No. 102/84/2011 and 04/86/2012, respectively the academic regulations for Bachelor's degree programme, 2011 are brought it to existence.

- The MAUEB, Pune controls and monitors the examination system by providing common question papers of S E T E of UG courses offered during the semester.
- The mid-term examinations of UG courses are being scheduled and conducted at College level.
- The academic progress of students is being evaluated by Internal-External system of examination at UG level as detailed below:

Table 27 : Details of examination evaluation in degree programme

Sr. No.	Type of Examination	Type of evaluation	Weightage (% marks allotted)	Duration of Examination
1	Theory : Mid-term Examination	Internal	10	1 hr. for 1 credit, 1.5 hrs. for 2 and more credits.
2	Theory : SETE	External	40	2 hrs. for 40 marks paper (1credit) and 3 hrs. for 80 and more marks paper (2 and more credits).

3	Practical : GP	Internal	10	Class attendance, Functionality in class work.
4	Practical : SEPE	External	40*	Max 2 hrs.

* Includes viva-voce examination of 10%, written test of 30-40% and rest marks to lab/field work related to course content.

A student having 80% attendance and declared FAIL in the course(s), may appear the Semester-End-Examination on payment of prescribed fees and filling of examination form. The marks of mid-term examination and GP obtained by such students are carried over.

➤ **Conduct of Examination**

The examination branch notifies the list of students appearing for SE examination of registered courses (as Regular and FOE) along with examination numbers.

Table 28 :Information on conduct of Examination

Examinations	Conducted by	Appointed by
Mid term	Course teacher	ADP
S.E Theory	Sr. Supervisor	Registrar
S.E Practical	External examiners	Registrar

Provision of Compartment examination for final year student FAIL in maximum 2 courses of last two semesters of degree programme and having 80% attendance

➤ **USE OF UNFAIR MEANS:**

Table 29 : Details of penalty in unfair means

Examination	Reporting	Enquiry	Quantum of punishment
Mid term	Invigilator	Committee constituted	Declared FAIL in the said course
SEE	Invigilator	Committee constituted	Declared FAIL in all the registered courses of that particular semester

A student who declared FAIL due to use of unfair means, has to re-register the course(s) as a REGULAR STUDENT.

➤ **Other provisions in Examination and Evaluation System**

Award of Grace Marks

Table 30 : Provision of grace marks in examination

Provision	No. of attempts	Concerned authority	Duration
Grace of 5 mark in any course	Any time in a degree	Registrar	Apply within 10 days of declaration of result
Scrutiny of grade/Recounting of marks	After declaration of result of each semester	Registrar	Apply within 10 days of declaration of result

- Provision of Compartment examination for final year student FAIL in maximum
- 2 courses of last two semesters of degree programme and having 80% attendance

➤ **Grading and Declaration of result:**

The result is declared in GRADE system in 10 point scale i.e. % marks/10 and accordingly semester wise consolidated result is declared by the Registrar.

➤ **Computation of CGPA and declaration of class:**

Semester wise CGPA is computed over the semesters completed by student ($\sum GP \times CR / \sum CR$).

Table 31: Details of computation CGPA and declaration of class

Class	UG
Pass	5.5 - 5.99
Second	6.0 - 7.49
First	7.5 - 8.49
FDWD	8.5 & above

As per the Vth Deans committee syllabus for degree programme in horticulture decided by the MCAER, Pune to be implemented from the academic year 2017-18 is as below :

Theory			Practical		
Course credits	Mid term	Final semester end	GP	Assignment	Final practical
1+1=2	10	40	5	5	40
2+1=3	20	80	5	5	40
3+1=4	30	120	5	5	40
1+0=1	10	40	-	-	-
0+1=1	-	-	5	5	40
0+2=2	-	-	10	10	80

Minimum marks for passing the subjects will be 50 % (minimum 40% each in practical and theory exam for separate passing).

- **Other provision:** 10 marks of practical records are split into 2 parts as 5 marks for practical records and 5 marks for assignments. Existing passing criteria has been reduced from 55% to 50%. There is no provision of grace marks as per Vth Deans committee of ICAR. Therefore, provisions of grace marks is removed for the students admitted from academic year 2017-18.

Remaining system of examination and mark allotment for theory and practical remained unchanged.

6.5.4.6 NCC/NSS/RVC Units:

In College of Horticulture, Parbhani National Social Service unit is in existence and at present 50 volunteers are enrolled under NSS and 30 students are enrolled for Special Camp. NSS special camps are being arranged every year in the selected villages. Lectures and demonstrations are arranged on the various topics. NSS volunteers have done cleaning and maintenance works in the various departments. The lectures were organized on students related to health care, AIDS awareness, Eye donation and personality development.

➤ **No. of students participated in NSS activities.**

Table 32 : List of students participated in NSS activities

Year	No. of students admitted	No.of students attended camps
2013-14	50	22
2014-15	50	19
2015-16	50	24
2016-17	50	25
2017-18	50	25

6.5.4.7 Language Laboratory:

There is no language laboratory at college. However, students of this college share the laboratory commonly with the students at university level.

6.5.4.8 Cultural Centre:

The college Gymkhana is undertaking the activities for the overall development of students. Extra – curricular activities and sports are conducted throughout year to build up personality and confidence of students. Youth Day (2 Jan), Teachers Day (5 Sept), Ganesh festival, Shiv Jayanti, Dr. Babasaheb Ambedkar Jayanti are celebrated by organizing various cultural events, literary events, sports and games competitions to encourage and acknowledge talents of the students. Freshers welcome programme for incoming students and farewell programme for outgoing students are also organized every year. Students are encouraged and guided to participate in the College, University, State and National level cultural events such as *Indradhanushya*, *Youth Festival* and *Apali Mati Apla Maharashtra*, *Krida Mahostav* etc. Students are also participating in Technocrats and Science Exhibitions.

Table 33 : List of students participation in sports and cultural activities in Zonal and national level.

Year	Sport	Position
2013-14	1) Participated in Kho-Kho, Basket Ball, Kabaddi	-
2014-15	1) Kho-Kho (Boys) 2) Basket Ball (Girls) 3) Running 200,400 4) Gola Fek 5) Youth festival skit 6) Mime	Gold Medal Silver Medal Bronze Medal Bronze Medal Bronze Medal Gold Medal
2015-16	1) Basket Ball (Girls) 2) Running 200,400 3) Gola Fek 4) Skit 5) Mime	Silver Medal Bronze Medal Bronze Medal Bronze Medal Gold Medal
2016-17	Participated in Kho-Kho, Basket Ball, Kabaddi	-
2017-18	Participated in Kho-Kho, Basket Ball, Kabaddi	-

6.5.4.9 Personality Development:

The college Gymkhana is undertaking the activities for the overall development of students. Extra – curricular activities and sports are conducted throughout year to build up personality and confidence of students. The Students placement and Counselling Cell provides a platform for the students to gain more knowledge from the expert or special lectures exclusively arranged for them and also get information regarding varied opportunities for job placements. The students are offered jobs in the institutions/ organizations where they undergo implant training. Placement cell arranged Campus interview for the final year outgoing students through which placement of the students takes place. The College has incorporated the course of LANG 111 entitled Compression and Communication Skills taught in Ist semester of B.Sc. (Hort.) which covers provisions for inclusion of functional programmer in standard English, Speaking skills, reasoning, group discussions interview skills, personal interviews.

Table 34 : Beneficiaries: - The following students of this college working in different organizations / Institutions/Government sector etc.

Sr.No.	Name of student	Sector/Institute
1	Haldewad Amol Mohanrao	SBI
2	Mali Ashitosh Chandrakant	SBI
3	Miss. Pathan Shama	Private Sector
4	Navgire Parmeshwar Dadarao	Reliance Co.
5	Miss. Phatak Sangeeta Uttamrao	Agri. Dept.
6	Pawar Paras Murlidharrao	University
7	Hange Bibbisha Narayan	State Agril. Dept.
8	Digrase Sachin Swarooprao	NGO
9	Patil Rajkumar Phakira	Z.P. Agri. Dept.
10	Thorat Bappasaheb Balasaheb	Dy. S.P.
11	Palve Sandeep Bhanudas	Dy. S.P.
12	Magar Sanjay Mohanrao	State Agril. Dept.
13	Bharadiya Pritam Shrikrishan	Pvt. Agril. College
14	Farse Jayparkash Gangadharrao	Z.P. Agril. dept.
15	Misal Ashok Vishwanath	State Agril. dept.
16	Patil Omhari	State Agril. Dept.
17	Sabnis Parag Chandandasrao	Pvt. Seed Company
18	Pranje Kaustubh Jagannathrao	Interpreneur
19	Miss. Sujata Dhutraaj	Agri. University
20	Ainlode Gangakishan Vithalrao	Z.P. Agril. Dept.
21	Sarsamlar Sachin Sureshrao	PSI
22	Yedlod Shivaji Sayalu	Agril. University
23	Vaidya Pushkar Subhash	PSI
24	Dhupe Mohan Vajjnathrao	Agril. University
25	Jampangire Pradeep Sopanrao	Jr. Pvt. College
26	Dhoke Pavankumar Kishanrao	Agril. University
27	Shelke Rajesh Digambarrao	Agri. University
28	Ukrande Mahesh Sidramappa	Jr. Lecturer
29	Baig Khizar Samad	Agri. University
30	Tilkari Manoj	Z.P. Agril. Dept.
31	Kalunke Abhay Bagirao	Interprencer
32	Sidharth Dalvi	S.B.I.
33	Miss. Bhole Pradnya Bhimrao	Z.P. Agril. Dept.

6.5.5 Physical Facilities :

6.5.5.1 Hostels :

Table 35 : Details of hostel facilities available with college

Sharad Boys hostel

Sr. No.	Name of Hostel	Total Capacity	Student/ room	Mess facility	Drinking water	Indoor games	Cleaning of hostel premises	Transport facilities	Emergency medical facilities
1	Sharad hostel	150	52	Yes	Yes	-	Yes	Not needed*	Yes

* Hostel and health centre is in university campus

Girls hostel

Sr. No.	Name of Hostel	Total Capacity	Student/ room	Mess facility	Drinking water	Indoor games	Cleaning of hostel premises	Transport facilities	Emergency medical facilities
1	Diwakar Rawate Girls Hostel	126	42	Yes	Yes	-	Yes	Not needed*	Yes

* Hostel and health centre is in university campus

6.5.5.2 Examination Hall

Mention the availability of number of examination halls, its capacity etc. for the college

Sr. No.	Number of examination hall	Capacity
1	Main - 01	80
2	Class rooms -03	24 each
	Total 04	152

6.5.5.3 Sports and Recreation Facilities:

All above facilities are available with Student Welfare Office of the university and students of college take benefits of all sports and recreation facilities developed by Student Welfare Office at university level.

6.5.5.4 Auditorium:

The college examination hall is used to arrange functions like welcome of fresher's, farewell programme, lectures of eminent persons on personality development, celebration of various national and international days etc. at college level. However, university level programmes are arranged in auditorium of College of Agriculture, Parbhani and college take part in it.

6.5.5.5 Exhibition Hall/Museum:

College does not have the Exhibition Hall/Museum at its level.

6.5.6 Research Facilities:

6.5.6.1 Post graduate Laboratories and Equipment:

No, College does not have post graduate laboratories and equipment.

6.5.6.2 Research Contingency:

No, There is no provision of research contingency provided to the college.

6.5.7 Outcome/Output

6.5.7.1 Student Performance in National Examination:

Table 36 : Details of student performance in national examination

Sr No.	Year	Degree course UG.	Reg. No.	Name of the student	Students performance in JRF	Other national examination
1.	2014-15	UG	38B/2011 HT	Shivendu Solanke	23 rd position in horticulture subject	ICAR
2	2014-15	UG	25B/2011 HT	Yogesh Nilvarn	30 th position in horticulture subject	ICAR

6.5.7.2 Students Placement profile:

Table 37 : Details of students placement profile during last five years

Sr. No	Reg. No.	Name of the student	State level examination or equivalent	National level examination	Any other
Academic year 2013-14					
1	10HT01B	Bhalerao Amol Vaijanathrao	MCAER (PG)	-	
2	10HT02B	Bhor Anita Dilip	-	-	Self employed
3	10HT03B	Bhise Kishor Bhivaji	-	-	Self employed
4	10HT04B	Bhusse Rajshekhar Subhas	MCAER (PG)	-	
5	10HT05B	Miss. Bothikar Supriya Subhasrao		-	Self employed
6	10HT06B	Chavan Parmeshwar Uttamrao	MCAER (PG)	-	
7	10HT07B	Miss Chavan Shobha Ramrao	-	-	Self employed
8	10HT09B	Miss.Dixit Priyanka Pandurang	-	-	Self employed
9	10HT10B	Dube Shivaji Ramrao	-	-	Self employed
10	10HT11B	Gaikwad Dhananjay Gopinathrao	MSAMB	-	
11	10HT13B	Gaikwad Puja Adinath	-	-	Self employed
12	10HT14B	Gothwal Satish Motilal	-	-	Self employed
13	10HT15B	Harish Kumar S/O Jagdish Chand Dhaker	MCAER (PG)	-	-
14	10HT18B	Jaiswal Sawan Bharat	MCAER (PG)	-	-
15	10HT22B	Khot Vivek Vishnu	-	-	Self employed
16	10HT24B	Moklikar Mahesh Shankarrao	MCAER (PG)	-	-
17	10HT26B	Miss. Padole Ashwini Kishanrao	MCAER (PG)	-	-
18	10HT27B	Miss Panchal Jyostna	-	-	Self employed
19	10HT28B	Pathak Kalyan Krishnarao	MCAER (PG)	-	-
20	10HT29B	Miss.Patil Kamini Sanjay	-	-	Self employed

21	10HT31B	Ravindra Patidar S/O Kishor Singh	-	Bank	-
22	10HT32B	Sakhare Ashwajeet Babasaheb	Extension officer	-	-
23	10HT34B	Shashi Kumar S/O Dhaneshwar Choudhary	MCAER (PG)	-	-
24	10HT39B	Somwanshi Vishal Venkatrao		-	Self employed
25	10HT40B	Sayed Shabnambegam Sayedibbar	MCAER (PG)	-	
26	10HT42B	Yogita Sharma D/O Sc Sharma	-	Bank	
27	09HT11B	Ingale Nitin Ashokrao	-	-	Self employed
28	09HT35B	Yeyeelwad Navnath Ananda	-	-	Self employed
Academic year 2014-15					
01	11HT01B	Awargand Suryanarayan Bhagwan	-	MBA	-
02	11HT02B	Amrutha Arun	MCAER (PG)	-	-
03	11HT06B	Chavan Shital Digambarrao	-	-	-
04	11HT07B	Deshmukh Ram Balasaheb	MCAER (PG)	-	
05	11HT08B	Miss. Dube Ashwini Ghanshym	-	-	-
06	11HT09B	Miss. Gonte Madhushri Kishan	MCAER (PG)	-	-
07	11HT10B	Jogdand Abhinesh Sarang	-	-	-
08	11HT11B	Kale Kartik Prabhakar	-	Bank	-
09	11HT15B	Kharde Sagar Vishnu	-	-	Self employed
10	11HT18B	Maind Mahaveer Machindra	MCAER (PG)	-	-
11	11HT19B	Manjulapur Sampath Reddy S/O Venkat Reddy	-	ICAR (PG)	-
12	11HT20B	Miss. Mahawish Tabbassum Md. Yosuf	-	-	Self employed
13	11HT24B	Nimonkar Rahul Dileep	-	-	Self employed
14	11HT25B	Nilvarn Yogesh Shivajirao	-	ICAR JRF	-

15	11HT27B	Pawar Balaji Ganpatrao	MCAER (PG)	ICAR (PG)	-
16	11HT31B	Miss. Sasane Mayuri Prakash	MCAER (PG)	-	-
17	11HT32B	Miss. Satpute Sukanya Bhausaheb	-	-	Self employed
18	11HT33B	Miss. Shamkuwar Manisha Vidhyasagar	-	Banking	-
19	11HT35B	Miss. Shinde Shital Namdevrao	-	-	Self employed
20	11HT36B	Shinde Sachin Vitthalrao	MCAER (PG)	-	-
21	11HT37B	Miss. Sreelaja Kizhakkekara	-	ICAR (PG)	-
22	11HT38B	Shivendu Pratap Singh Solanki S/O Shiv Kumar	-	ICAR JRF	-
23	11HT39B	Survase Amol Uttareshwar	-	-	Self employed
24	11HT40B	Miss. Thoke Nirmala Udhavrao	MCAER (PG)	-	-
25	11HT41B	Kapil Verma S/O Surendra Verma	-	-	Self employed
26	11HT42B	Wable Pavankumar Parshuram	-	-	Self employed
27	10HT08B	Miss. Dhapse Bhagyashri Vithalrao	-	-	Self employed
28	10HT17B	Hivare Rohit Ramdas	-	-	Self employed
29	10HT35B	Shelke Gajanan Sonaji	-	-	Self employed
30	11HT04B	Birajdar Abhijit Kalidas	-	-	Self employed
31	11HT13B	Khapre Dnyaneshwar Balasaheb	-	-	Self employed
32	11HT14B	Khatik Nagnath Balasaheb	-	-	Self employed
33	11HT23B	Nagre Santosh Dadarao	-	-	Self employed
34	10HT36B	Shinde Kiran Pandurang	-	-	Self employed

Academic year 2015-16					
1	1B/12HT	Miss.Arya Gopinath M.P.	-	ICAR (PG)	
2	3B/12HT	Shri.Awargand Sandip M	-	-	Self employed
3	5B/12HT	Miss.Bhujbal Pooja P	-	-	Self employed
4	6B/12HT	Shri.Chavan Umesh R	-	-	Self employed
5	7B/12HT	Shri.Devram Prasad B	-	-	Self employed
6	12B/12HT	Miss.Gore Pranita L	-	-	Self employed
7	14B/12HT	Shri.Jaiwal Vijay V	-	-	Self employed
8	15B/12HT	Shri.Jondhale Pradip K	-	-	Self employed
9	16B/12HT	Shri.Kale Nivrati S	-	-	Self employed
10	17B/12HT	Miss.Kaldate Jaya M	-	-	Self employed
11	18B/12HT	Miss.Kapate Pooja Marotrao	-	-	Self employed
12	19B/12HT	Miss.Kamble Pradnya M	MCAER (PG)	-	
13	20B/12HT	Miss. Kedar Pratiksha P	-	-	Self employed
14	22B/12HT	Shri.Kolhe Suraj H	-	-	Self employed
15	28B/12HT	Shri.Pawar Ajit S	-	-	Self employed
16	29B/12HT	Shri.Pawar Pratik P	-	-	Self employed
17	25B/12HT	Miss.Manika Rajbir Singh	-	ICAR (PG)	
18	32B/12HT	Miss.Radhika K.R.	-	-	Self employed
19	33B/12HT	Miss.Rakhonde Vidya K	-	-	Self employed
20	34B/12HT	Miss.Sable Akanksha P	-	-	Self employed
21	35B/12HT	Shri.Sanap Satish M	-	-	Self employed
22	36B/12HT	Shri.Sarate Dada M	-	-	Self employed
23	37B/12HT	Shri.Shaikh Azharoodin J	MCAER (PG)	-	-
24	38B/12HT	Miss.Solanke Ankita A	MCAER (PG)	-	-
25	40B/12HT	Shri.Wakale Krushna Laxman	-	-	Self employed

26	41B/12HT	Shri.Yatham Ravikiran	-	-	Self employed
27	43B/12HT	Miss Chavan Harsha G	-	-	Self employed
28	10B/12HT	Shri. Gavit Elesh Suresh	-	-	Self employed
29	33B/10HT	Miss. Sneha Sabne	-	-	Self employed
30	16B/11HT	Kuchekar Amit Sudam	-	-	Self employed
31	16B/10HT	Hande Satyavan Prabhakar	-	-	Self employed
32	21B/09HT	Mogale Sandip Bhimrao	-	-	Self employed
33	19B/10HT	Kale Anil Pandit	-	-	Self employed
34	28B/11HT	Miss.Pawar Renuka Sunil	-	-	Self employed
Academic year 2016-17					
1	2B/2013HT	Miss Arathy J	-	ICAR (PG)	-
2	3B/2013HT	Irfan Baig Mirza Aqueel Baig	-	-	Self employed
3	6B/2013HT	Miss Chavan A B	-	-	Self employed
4	7B/2013HT	Miss Chatse D B	MCAER (PG)	-	
5	9B/2013HT	Dhepe B S	-	-	Self employed
6	10B/2013HT	Dhepe V S	-	-	Self employed
7	11B/2013HT	Dongare N S	-	-	Self employed
8	13B/2013HT	Gajarmal N S	-	-	Self employed
9	14B/2013HT	Ghatul I D	MCAER (PG)	-	
10	15B/2013HT	Ghuge N.G.	-	-	Self employed
11	18B/2013HT	Miss Gutte A A	-	-	Self employed
12	20B/2013HT	Jogdand A A	-	-	Self employed
13	21B/2013HT	Jojar R S	-	-	Self employed
14	22B/2013HT	Jutewad P L	-	-	Self employed
15	23B/2013HT	Miss Kayande P R	-	-	Self employed

16	24B/2013HT	Khating A R	-	-	Self employed
17	25B/2013HT	Khunte S N	-	-	Self employed
18	26B/2013HT	Kulathe A A	-	-	Self employed
19	27B/2013HT	Marlapalle N H	MCAER (PG)	-	-
20	28B/2013HT	Patil D D	-	-	Self employed
21	29B/2013HT	Miss Pawar P T	-	-	Self employed
22	30B/2013HT	Miss Panchal S B	-	-	Self employed
23	31B/2013HT	Miss Pawde M V	MCAER (PG)	-	-
24	32B/2013HT	Popalghat V S	-	-	Self employed
25	34B/2013HT	Miss Sawale P V	MCAER (PG)	-	-
26	37B/2013HT	Syed Parvez Syed Zaheer	-	-	Self employed
27	38B/2013HT	Miss Justy D Varughese	-	ICAR (PG)	-
28	40B/2013HT	Wagh M U	-	-	Self employed
29	04B/2012HT	Miss. Bhalerao P.V.	-	-	Self employed
30	13B/2012HT	Jagtap V.N.	-	-	Self employed
31	24B/2012HT	Makpalle G.K.	-	-	Self employed
32	26B/2012HT	Namule D.M.	-	-	Self employed
33	27B/2012HT	Nimbalkar N.K.	-	-	Self employed
34	05B/2011HT	Miss Bothikar U V	-	-	Self employed
Academic year 2017-18 persuing education in VIII semester					
1	01B/2014HT	Miss Aiswarya Babu C.	(MCAER PG)	-	-
2	02B/2014HT	Miss Anushma P	(MCAER PG)	-	-
3	03B/2014HT	Adhav A R	-	-	-
4	04B/2014HT	Miss Bhalerao A S	-	-	-
5	06B/2014HT	Chandge S G	-	-	-

6	07B/2014HT	Dhatbale P S	-	-	-
7	10B/2014HT	Giram K P	-	-	-
8	13B/2014HT	Miss. Jadhav S D	-	-	-
9	14B/2014HT	Miss Jadhav S D	-	-	-
10	15B/2014HT	Miss Jankar U A	-	-	-
11	17B/2014HT	Kalapad D P	-	-	-
12	18B/2014HT	Miss Kharwade N R	-	-	-
13	19B/2014HT	Khodake R S	-	-	-
14	20B/2014HT	Miss Kolhe N R	-	-	-
15	21B/2014HT	Kokani P R	-	-	-
16	22B/2014HT	Jasmitha Malikireddy	(MCAER PG)	-	-
17	23B/2014HT	Magar K G	-	-	-
18	24B/2014HT	Magar O S	-	-	-
19	25B/2014HT	Modhe K N	-	-	-
20	27B/2014HT	Miss. Pawar S P	-	-	-
21	28B/2014HT	Patil O B	-	-	-
22	29B/2014HT	Rathod A B	-	-	-
23	30B/2014HT	Ramteke S J	(MCAER PG)	-	-
24	31B/2014HT	Sawant A. P.	-	-	-
25	33B/2014HT	Saba Shaikh Najeer	-	-	-
26	34B/2014HT	Shinde S B	-	-	-
27	35B/2014HT	Shinde S. S.	-	-	-
28	36B/2014HT	Taur G. R.	-	-	-
29	37B/2014HT	Tarwate D. B.	-	-	-
30	38B/2014HT	Uphade C. V.	-	-	-

31	39B/2014HT	Vairat G. R.	-	-	-
32	40B/2014HT	Wagh M. P.	-	-	-
33	8B/2013HT	Miss.Damane R.R.	-	-	-
34	17B/2013HT	Miss.Gore A.M.	-	-	-
35	19B/2013HT	Jadhav D.B.	-	-	-
36	9B/2012HT	Dukre S.K.	-	-	-
37	21B/2012HT	Kowe A.S.	-	-	-

6.5.7.3 Award/Recognitions/Certificates:

Table 38 : Details of Award/Recognitions/Certificates awarded

a. STUDENT

Sr. No.	Year	Degree course UG/ PG/Ph.D	Reg. No.	Name of the student	Students Awards	Place of Event
1.	2013-14	UG	28B/2011 HT	Renuka Pawar	Gold medal in Dance competetion	Indrdhanush, Sant Gadgebaba University,Amravati
2	2014-15	UG	34B/2013 HT	Pratiksha P Sawale	Gold medal in Dance competition	West zone, National Institute of Dairy Science, Karnal
3	2016-17	UG	34B/2013 HT	Pratiksha P Sawale	Gold medal in Volley ball	Chudhari Charansingh University of Agricultural Science, Hissar

*Educational awards to the students- NIL.

b. FACULTY

Sr. No	Year	Name of faculty	Awards	Recognitions	Certificate	Any other
1	2014 -15	Dr V.V.Bhagat	Best Assistant Warden	ADP, Agriculture	Certificate	-
2	2015-16	Dr V.V.Bhagat	Appreciation for Ghymkanna activities	Vice Chancellor	Certificate	-
3	2016-17	Dr V.V.Bhagat	Appreciation for accommodation work in Transport and accommodation in National level seminar	Head, Dept. of Plant Pathology	Certificate	-
4	2016-17	Dr V.V.Bhagat	Appreciation for accommodation work in Ashvamedh	SWO	Certificate	-
5	2017-18	Dr V.V.Bhagat	Appreciation for accommodation work in krida mohotsava	SWO	Certificate	-
6	2017-18	Dr G.P Jagtap	Endeavour post doctoral fellowship at RMIT , Melbourne	RMIT , Melbourne	Post doctoral	-

6.5.7.4 Employability:

The Institute provides high standards of education. The major sinks of employment for our students are: the National Agricultural Research System (ICAR Institutes and State Agricultural Universities), Agriculture and allied Industries, State Agricultural Departments, International Research Institute, etc. Based on the expertise both theory and practical skill requirements of the above sector, the students are taught with regularly updated curriculum in each of the discipline. The students also have freedom to choose major and minor disciplines as well as courses within the minor and major disciplines. Thus the students were inculcated with overall science of the chosen discipline as well as specific expertise requirements. Most of the students of college get top ranks in State public service exam, Banking sectors, ICAR and employed as Scientists, private sector including (seed, fertiliser, insecticide industries, NGO etc.) and some are self-employed.

6.5.8 SSR of the college must have the SSR of all its degree programmes (following section 6.4), then the report of the colleges shall be considered – Attained.

6.5.9 Certificate

I Dr.T.B. Tambe, the Professor and In charge, College of Horticulture, VNMKV, Parbhani hereby certify that the information contained in the Section 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the College of Horticulture, VNMKV, Parbhani.

**Professor and Incharge
College of Horticulture
VNMKV, Parbhani**

ANNEXURE

Published Research papers

1	Ram Chandra, A. S. Lohakare, K.D. Babu, A. Maity, N.V. Singh and V.T. Jadhav (2013). Variability studies of physico-chemical properties of pomegranate (<i>Punica granatum</i> L.) using a scoring technique. <i>Fruits</i> . 68 (2):135-146.
2	Dhomne, P.A. and A.S. Kadam (2013) Influence of different sources of nitrogen on yield and benefit cost ratio of guava (<i>Psidium guajava</i> L.) cv. Sardar Scholarly Journal. of Agril. Sci. 3(7): 261-263.
3.	Singh A.A., A.S. Kadam and Bijeta Thongam (2014) Effect of Inorganic Fertilizers and Biofertilizers on growth and yield of Guava (<i>Psidium guajava</i> L.) cv. Sardar. J.Agric.Res. Technol. 39(3):413-416
4.	Bijeta Thongam, A.S. Kadam and A.S. Singh (2014) Influence of Planting Dates on Growth and Yield of Potato (<i>Solanum tuberosum</i> L.) J.Agric.Res. Technol. 39 (3) 403-406
5	Singh A.A., A.S. Kadam and Bijeta Thongam (2014) Effect of Inorganic and Biofertilizers on Yield and Post-Harvest Qualities and guava (<i>Psidium guajava</i> L.) cv. Sardar J.Agric. Res. Technol., 39 (3) 509-512
6	B.M.Kalalbandi, S.Ziauddin and B.N.Shinde.(2014) Effect of time of softwood grafting on the success of sapota grafts in 50% shadenet under marathwada conditions. Agricultural Science Digest,34 (2):151-153
7	B.M.Kalalbandi, S.Ziauddin and S.P.Solanke (2014) Effect of number of branches on morphological characters and yield of drumstick (<i>Moringa Pterygosperma</i> Garten). Agricultural Science digest,34(1):76-75
8	B.M., Kalalbandi, V.V. Bhagat, S.P. Solanke, R.V. Nainwad and S.D. Gutte (2014) Comparative studies on pomegranate (<i>Punica granatum</i> L.) cultivars under marathwada conditions, Annals of plant physiology,28(1):77-79
9	Vibhute, S.B., B.B. Tambolkar and A.S. Lohakare (2015). Effect of integrated nutrient management on yield and yield attributes of Brinjal (<i>Solanum melongena</i> L.) Hy. Phule Arjun. <i>Ann. plant physiol.</i> 29 (1):86-88.
10	Lohakare, A.S., B.M. Kalalbandi and T.B. Tambe (2015). Influence of scion size on graft success in custard apple cv. Balanagar. <i>Ind. J. Arid Hort.</i> 10 (1 & 2):103-106.

11	Bhujbal P. D., T.B.Tambe and P.H.(2015). Ulemale. Effect of mulches on flowering, fruiting, yield and pests - disease incidence on Tomato (<i>Lycopersicon esculentum</i> Mill.). The Bioscan (An International Quarterly Journal); 10(1): 465-468 (2015).
12	Ulemale P. H. and T.B. Tambe (2015). Performance of guava genotype to qualitative and yield attributes. The Bioscan (An International Quarterly Journal)10 (2) : 781-784 (2015)
13	Ulemale P. H. and T.B. Tambe (2015). Variability in growth parameters of red fleshed and white fleshed guava genotypes. The Bioscan (An International Quarterly Journal) 10(2) : 885-887 (2015).
14	Taru A.S., T.B. Tambe and Gawade P.M.(2015). Effect of foliar application of nutrients on growth, maturity and yield parameters of Banana Cv. Grand Naine. Eco-Eno and Cons. 21 (AS 319-AS 324) Aug-Sept 2015.
15	Taru A S., T.B. Tambe and Gawade P.M.(2015). Effect of foliar application of nutrients on quality and yield of banana Cv. Grand Naine. Trends in Biosciences 8 (13) :6 (2015).
16	A.S.Kadam, R.S. Borade, A.S.Lohakare and S.S. Aswar (2016). Performance of softwood grafts of different varieties of Sapota (<i>Manilkaraachras</i> L.) under net house conditions. <i>Ann. Plant Physiol.</i> 30 (2):38-42.
17	Kalalbandi, B.M., A.S. Lohakare and P.N. Nanaware (2016). Effect of fertility level and bio fertilizers on seed yield and quality of cluster bean. <i>Ind. J. Arid Hort.</i> 11 (1-2):70-73.
18	Vaishali Bhagat, A.N. Ghanwat and K.S. Shinde (2016) Influence of different levels of organic and inorganic nitrogen on growth, flowering and yield of jasmine. <i>Annals of plant physiology</i> , 30(2):18-20
19	Vaishali Bhagat, K.S. Shinde and Ambika More (2016) Performance of gerbera (<i>Gerbera Jamesonii</i>) cultivars under naturally ventilated polyhouse. <i>Annals of plant physiology</i> , 30(2):21-24
20	S.S.Ghatul,B.M.Kalalbandi,M.S.Moklikar and V.V. Bhagat (2016) Studies on performance of different cultivars of sweet orange (<i>Citrus sinensis</i> (L.) Osbeck) <i>Progressive Research- An International Journal</i> ,17(7) 55-57

21	M.Y.Kamble, B.M.Kalalbandi, A.R,Kadam and S.B.Rohidas.(2016) Effect of orgnic and inorganic fertilisers on growth, green pod yield and economics of French bean (<i>Phaseolus vulgaris</i> L.) cv.HPR -35.Legume Research,39(1):110-113.
22	Digrase S.S. T.B. Tambe, A.S. Kadam and B.M. Kalalbandi (2016) Effect of different plant growth regulators and chemicals on growth and yield pomegranate (<i>Punica granatum</i> L. Adv. Res.J Crop Improve7 (1) : 96-99
23	Ballal Anand and Kadam A.S. (2016) Okra crop growth and yield responses to different organic sources of nitrogen. International Journal of Agriculture Sciences, International Journal of Agriculture Sciences8 (48) 2042-2044
24	Digrase, S.S., T.B.Tambe, A.S.Kadam and B.M.Kalalbandi(2016) Effect of different plant growth regulators and chemicals on quality and economics of pomegranate (<i>Punica granatum</i> L.) cv. Bhagawa International Journal of Agricultural Sciences
25	AS.Kadam,R.S. Borade, A.S. Lohakare and S.S. Aswar (2016) Performance of softwood grafts of different varieties of sapota (<i>Manilkara achras</i> L.) under net house conditions <i>Ann. Plant Physiol</i> 30 (2)38-42
26	Pawar Y.M. and T.B. Tambe (2016). Effect of foliar application of micronutrients on growth and yield of sprouting broccoli (<i>Brassica oleracea</i> L var. Italica). Indian Horticulture Journal; 6(1) : 72-74. Jan-March 2016.
27	Pawar Y.M. and T.B. Tambe (2016). Effect of foliar application of micronutrients on nutrient uptake of sprouting broccoli (<i>Brassica oleracea</i> L var. Italica). Indian Horticulture Journal; 6(1) : 84-86. Jan-March 2016.
28	Pawar Y.M. and T.B. Tambe (2016). Effect of foliar application of micronutrients on chlorophyll content in sprouting broccoli (<i>Brassica oleracea</i> L var. Italica). Indian Horticulture Journal; 6(1) :133-134. Jan-March 2016.
29	Kadam, A.S., A.S. Lohakare, V.V.Bhagat and S.P. Solanke (2017). Performance of stone grafts of different Mango (<i>Mangifera indica</i> L.) varieties under net house conditions. <i>Multilogic in Science</i> . 6 (19):200-202.
30	Jadhav Reshma, A.S. Kadam and Anand Ballal(2017) Growth and Yield Response of Potato (<i>Solanum tuberosum</i> L.) to Integrated Nutrient Management Ecology, Environment and conservation
31	Ballal Anand, A.S. Kadam and Reshma Jadhav (2017) Influence of Integrated Nitrogen Management on Vegetative growth Parameters and Yield in Okra Cv. Parbhani kranti Ecology, Environment and conservation

32	Choudhary S.M., A.S. Kadam, Ramniwas and D.L. Chavan(2017) Success and growth of softwood grafts of different Aonla (<i>Emblica officinalis</i> Gaertan.) varieties at nursery stage An International quarterly Journal of life Sciences 11(2):
33	Kadam, A.S. A.S. Lohakare, V.V.Bhagat and S.P. Solanke (2017) Performance of stone grafts of different Mango (<i>Mangifera indica</i> L.) varieties under net house conditions Multilogic in Science 6(19):20-25
34	A. S. Kadam, A.S. Lohakare, Sidaray Allolliand V.L. Gaikwad(2017) Effect of different skirting materials on yield and quality of banana (<i>Musa Paradisiaca</i> L.) <i>Ann. Plant Physiol</i> 30 (2)38-42
35	Vaishali Bhagat, A.N. Gannwat and S.P. Solanke (2017) Effect of organic and inorganic nitrogen on growth and yield of mogra. Multilogic, 11(6):42-43.
36	K.S. Shinde, Vaishali Bhagat and Ambika More (2017) Evaluation of gerbera (<i>Gerbera jamesonii</i>) cultivars under polyhouse condition for flower quality and yield parameters. Multilogic, 11(6): 202-203.
37	R.B. Rohidas, Vaishali Bhagat and S.K. Ghisewad (2017) Effect of organic and inorganic fertilizers on flowering and yield of crows and cormels in gladiolus (<i>Gladiolus grandiflorus</i> L.). Multilogic, 11(6): 126-128
38	S.D. Jature, Vaishali Bhagat and G.K. Wadewale (2017) Effect of organic and inorganic fertilizers on growth and yield of chrysanthemum (<i>chrysanthemum Coronarium</i> L. CV. Bijali Multilogic, 11(6): 67-68
39	A.S. Kadam, A.s. Lohakare, V.V.Bhagat and S.P. Solanke (2017) Performance of stone grafts of different mango (<i>Mangifera indica</i> L.) varieties under net house condtions. Multilogic, 11(6): 200-212
40	Ingole R.H., Tambe T.B. and Bobade D.H. (2017). Influence of various rootstocks on growth and yield of wine grape varieties (<i>Vitis vinifera</i> L.). Multilogic in Science (An International Reffered, Peer Reviewed & Indexed Journal in Science, Agriculture and Engineering); Vol. VI : 216-120, Jan, 2017.
41	B.M.Kalalbandi and G.M.Waghmare (2017) Mutation spectrum and mutation effectiveness of gamma Irradiation on bananacv. Grand Naine, 7(1):20-24
42	B.M.Kalalbandi and G.M.Waghmare (2017) Effect of gamma irradiation on growth of bananacv. Grand Naine, 7(1):47-52

Practical manual

Preparation of Practical Manual	
1.	Lohakare, A.S., S.P.Solanke, B.M.Kalalbandi and V.V.Bhagat (2015). Seed production in vegetable crops. College of Horticulture, VNMKV., Parbhani. pp.1-70.
2.	Lohakare, A.S. (2018) Potato and Tuber Crops. College of Horticulture, VNMKV., Parbhani. pp.1-43.
3.	Bhagat, V.V. (2014). Landscape and gardening, Protected cultivation of flower crop, Protected cultivation of vegetable crop. College of Horticulture, VNMKV., Parbhani.

Popular articles

Popular Articles	
1.	A.S. Lohakare and S.G.Patil (2013). " <i>Dalimb Pikawaril RogNiyanttran</i> ".Adhunik Kisan, 32-33.
2.	A.S. Lohakare, S.G.Patil and R.A. Chavan (2013). " <i>Dalimbavaril Kidinche Niyanttran</i> ". Adhunik Kisan, 30-31.
3.	A.S.Lohakare, R.A. Chavan and S.G.Patil (2013). " <i>Dalimb Utpadanache Adhunik Tantra</i> ". Adhunik Kisan,39-41.
4.	A.S.Lohakare, R.A. Chavan and S.G.Patil (2013). " <i>FalRopwatikeche Vyavasthapan</i> ". Adhunik Kisan, 40-41.
5.	A.S.Lohakare, R.A. Chavan and S.G.Patil (2013). " <i>KoradwahuKshetrasathi Chinch LagwadVardan</i> ". Adhunik Kisan,35-36.
6.	S.G. Patil and A.S. Lohakare(2013)." <i>Kesar Amba Baharachi Ghya Kalaji</i> ". Agrwon newspaper.29 th Dec., 2013: 9 pp.
7.	A.S.Lohakare and S.G.Patil (2014)." <i>Rasshoshak kidipasun kara Dalimb bageche Sanrakshan</i> ". Agrowon newspaper.10 th Feb.,2014:11pp.
8.	A.S.Lohakare, R.A.Chavan, K.M.Lambe and S.G.Patil (2014)." <i>Dalimb: Bordomishranani Bordo paste cha wapar</i> " Godwa Sheticha,46 pp.
9.	S.G. Patil and A.S. Lohakare (2014). ' <i>Burshijanya Rogapasun Bagechi Kalji Ghya</i> '. Agrowon Newspaper. 13 th March, 2014: 04 pp.

10.	S.G.Patil and A.S. Lohakare (2014). ' <i>Mosambichya Mrig Baharache Niyojan</i> ' Agrowon Newspaper. 23 rd April,2014:11 pp.
11	A.S.Lohakare, R.A.Chavan and S.G.Patil (2014). ' <i>FalRopWatikechi Niga Va Vyavasthapan</i> ' GodwaSheticha magazine,18 pp.
12.	A.S. Lohakare and S.G,Patil (2014). ' <i>Dalimb, Mosambi Mrig Baharache Niyojan</i> ' Agroworld, 62-63.
13.	S.G.Patil and A.S.Lohakare (2014). ' <i>Pawsalyat Falbaganche Vyavasthapan</i> ' Agroworld Magazine, 54.
14.	A.S.Lohakare(2014).' <i>Kagdi Limbu-Hasta BaharNiyojan</i> 'GodwaSheticha Magazine, 68.
15.	B.B. Tambolkar, V.S. Jagtap and A.S.Lohakare (2014).' <i>Watana Lagwad- Utpadan Tantradnyan</i> ' GodwaSheticha Magazine, 32-33.
16.	B.B. Tambolkar, V.S. Jagtap and A.S.Lohakare (2015).' <i>Faleva Bhajipala Pikasathi Aachchhadanekvardan</i> ' GodwaSheticha Magazine, 21-22.
17.	B.B. Tambolkar, S.B.Shinde and A.S. Lohakare(2015).' <i>Unhali Gavar Lagwad Tantradnyan</i> ' GodwaSheticha Magazine, 29-30.
18.	B.B. Tambolkar, V.S. Jagtap and Anshul Lohakare (2015).' <i>Tarbooz Lagwadiche Tantradnyan</i> ' Agroworld Magazine, 68.
19.	B.B. Tambolkar, S.M. Rathod and A.S.Lohakare(2015).' <i>Ranbhajyanchi Olakh, Mahattva</i> Agroworld Magazine, 76-77.
20.	A.S. Lohakare, A.S. Kadam and B.M. Kalalbandi (2016). ' <i>Unhali Hangamat Falpikanchi Kalaji</i> ', Shetibhati magazine, 13-14.
21.	A.S. Lohakare, G.P. Jagtap and B.M. Kalalbandi (2016). ' <i>Amba Bagechi Roganpasun Ghya Kalaji</i> ', Shetibhati magazine, pp15.
22.	A.S. Kadam and A.S.Lohakare (2016). ' <i>Dushkali Paristhititwachva Falbaga</i> ' Godwa Sheticha Magazine, 48-49.
23.	A.S. Kadam and A.S.Lohakare (2016). ' <i>Pawsali Hangamatil Falbag Vyavasthapan</i> Shetibhati Magazine, 5-7.
24.	Anand Daunde, B.M. Kalalbandi and A.S. Lohakare (2016). ' <i>Ekatmik Paddhatitun Wadhawa Mirchi Utpadan</i> ' Agrowon newspaper, pp10.
25.	B.M Kalalbandi, A.S. Lohakare and A.S. Kadam (2016). ' <i>Utkrushtha WangiUtpadanachiSutre</i> ' Agrowon newspaper, pp12.

26.	A.S.Kadam and A.S.Lohakare (2016). ' <i>Niryatksham Amba Utpadanachi Purvatayari</i> ' Shetibhati magazine, 5-9.
27.	A.S.Kadam and A.S.Lohakare (2017). ' <i>Amba PikSalla</i> ' Agrowon newspaper, pp-07.
28.	A.S.Lohakare, A.S.Kadam and B.M. Kalalbandi (2017). ' <i>Dalimb Ambe Baharach iKalaji</i> ' Shetibhati magazine, pp-38-39.
29.	A.S. Kadam and A.S. Lohakare (2017). ' <i>Amba Falwadhichi, Paqwata Avastha Mahattvachi</i> ' Agrowon newspaper, 26.03.2017: pp 07.
30.	A.S. Kadam and A.S. Lohakare (2017). ' <i>Amba Falanchi Pratwari, Packing Mahattvache</i> '. Agrowon newspaper, 27.03.2017: pp-11.
31.	A.S.Kadam and A.S. Lohakare (2017). ' <i>Amba Falanchi Kadhniva Kadhni-Pashchyat Tantradnyan</i> ' Shetibhati magazine, April, 2017: pp-16-17.
32.	A.S.Kadam and A.S.Lohakare (2017). ' <i>Unhali Bhajipala Lagwad Fayadeshir</i> ' Shetibhati magazine, April, 2017: pp.18-21.
33.	A.S. Lohakare and G.M. Waghmare (2017). ' <i>Kifayatshir Palebhajya Utpadan Tantradnyan</i> ' Shetibhati magazine, November, 2017: pp-13-15.

Folders

1.	G.M. Waghmare, R.V. Nainwad, R.A. Chavan and A.S.Lohakare (2013). ' <i>F.R.S. at a glance</i> '. Director of Research, MKV, Parbhani. DOR Office folder 06/13.
2.	G.M. Waghmare, R.V. Nainwad, R.A. Chavan and A.S.Lohakare (2013). ' <i>Dalimb Lagwad Tantradnyan</i> '. Director of Research, MKV, Parbhani. DOR Office folder 05/13.
3.	G.M. Waghmare, R.V. Nainwad, R.A. Chavan and A.S.Lohakare (2013). ' <i>Peru Lagwad Tantradnyan</i> '. Director of Research, MKV, Parbhani. DOR Office folder 04/13.
4.	G.M. Waghmare, R.V. Nainwad, R.A. Chavan and A.S.Lohakare (2013). ' <i>Chinch Lagwad Tantradnyan</i> '. Director of Research, MKV, Parbhani. DOR Office folder 03/13.
5.	U.N.Alase, D.D.Patait, A.S. Lohakare, P.S. Chavan, A.S. Kadam, S.G. Puri, P.R. Deshmukh and S.P. Solanke (2016). ' <i>Falbagh Vyavasthapan</i> '. DEE Office folder, VNMKVF No.58/2016.

Participation in Seminar/Symposia/Short course/Winter or Summer school

SN .	Name of participants	Title	Duration
1.	Dr.B.M. Kalalbandi	Participated in National seminar on Pomegranate for nutrition, livelihood security and entrepreneurship development ICAR – National Research Centre on Pomegranate, Solapur & Society for Advancement of Research on Pomegranate, Solapur	05-07 January 2014
2.	Dr.G.P. Jagtap	Short course training program on “Detection, Diagnosis and Eco-friendly Management Strategies for Major Crop Diseases under Rainfed Conditions of Marathwada Region of Maharashtra”,	01.09.2015 to 10.09.2015 (10 Days)
3.	Prof.A.S. Lohakare	Participated in XXIV Indian Convention of Food Scientists & Technologists held at Parbhani and presented poster on ' <i>Quality production of guar gum with sustainable production technology</i> '.	18 -19 Dec., 2015
4	Dr.B.M. Kalalbandi Prof.A.S. Lohakare	Competency enhancement through micro teaching methodology, organised by ICAR-NAARM, Hyderabad	11 November 2015 - 7 January 2016
5.	Dr.V.V. Bhagat	Participated and successfully completed a summer school training program on Plant tissue culture and molecular approaches for crop improvement organised at Dept of Botany, VNMKV, Parbhani	27 December 2015- 9 January 2016
6.	Dr.B.M. Kalalbandi Prof.A.S. Lohakare	Participated and presented paper in National Seminar on “Breeding of field crops for biotic and abiotic stress in relation to climate change”	28-29 March, 2016
7.	Prof.A.S. Lohakare Dr.B.M. Kalalbandi Dr.V.V. Bhagat	Participated in Competency enhancement for effective teaching, organised by ICAR-NAARM, Hyderabad	18- 22 November, 2016
8.	Prof.A.S. Lohakare	Participated in summer school training program on “Recent Advances in Abiotic Stress Management for Climate Smart Agriculture” held National Institute of Abiotic Stress Management (ICAR-NIASM), Baramati, Pune.	8.9.2017 to 28.9.2017
9	Prof.A.S. Lohakare Dr.V.V. Bhagat	Participated in <i>International Seminar on Global Climate Change: Implications for Agriculture and Water Sectors</i> , Aurangabad, India.	14-16 December, 2017.

Participation in Radio/TV talk

SN.	Name of speaker	Title	Date	
			Radio	TV
1.	Dr.A.S. Kadam	“Dalimb Lagwadiche Tantradnyan”	19.10.2015 at AIR, Parbhani	-
2.	Prof.A.S. Lohakare	“Chinch Pikache Mahatvava Lagwad Tantradnyan”	26.04.2016 at AIR, Parbhani	-
3.	Prof.A.S. Lohakare	“Kagdi Limbu Pikamadhil Hasta BaharNiyojan”	06.09.2016 AIR, Parbhani	-
4.	Prof.A.S. Lohakare	“TarboozL agwad Tantradnyan”	30.11.2016 AIR, Parbhani	-
5.	Prof.A.S. Lohakare	“Unhali Hangamat Falpikanche Vyavasthapan”	21.03.2017 AIR, Parbhani	-
6.	Dr.A.S. Kadam	“Kifayatshir Palebhajya Utpadan Tantradnyan”	09.10.2017 AIR, Parbhani	-

College staff guided M.Sc./Ph.D. horticulture students

Sr. No.	Name of students	Name of Guide	Title of Dissertation / Thesis	Yr. of Degree Awarded
1	Gutte Shiladevi Dnyanoba	Dr.B.M. Kalalbandi	Comparative studies of pomegranate (<i>Punicagranatum</i> L.) cultivars under Parbhani conditions	2013
2	Taru A. S.	Dr.A.S. Kadam	Studies on Foliar application of nutrient on growth, yield and quality of banana Cv. Grand Naine.	2013
3	Dubalgunde S. V.	Dr.G.M. Waghmare	Effect of foliar application of micronutrients on growth, yield and quality of guava (<i>Pisidium guajavas</i> L) Cv. L-49.	2013

4	Nanaware Pravin Namdev	Dr.B.M. Kalalbandi	Effect of fertility level and bio fertilizers on growth, seed yield and quality of cluster bean	2014
5	Digrase S. S.	Dr.T.b. Tambe	Effect and plant growth regulators and chemicals on growth yield and quality in pomegranate.	2014
6	Kadar Digambar Bapurao	Dr.B.M. Kalalbandi	Studies on effect of different spacings and fertilizer levels on growth, yield and quality of pea (<i>Pisumsativum</i> L.) cv. Arkel	2015
7	GhatulShrikrushS udhakar	Dr.B.M. Kalalbandi	Studies on performance of different cultivars of sweet orange (<i>Citrus sinensis</i> (L) Osbeck) under marathwada condition	2016
8	A.N. Ghanwat	Dr.V.V. Bhagat	Effect of different levels of organic and inorganic nitrogen on growth and yield of Mogra (<i>Jasminumsambac</i> L.) cv. Bela”	2015
9	K.S. Shinde	Dr.V.V. Bhagat	Studies on performance of gerbera (<i>Gerbera jamesonii</i>) under polyhouse condition”	2015
10	Thalkari G.N.	Dr.T.B. Tambe	Effect of different bulb size, plant spacing, time of planting on quality of onion seed.	2015
11	Borate A.S.	Dr.T.B. Tambe	Effect of micronutrients, chemical and plant growth regulators on banana Cv. Grand Naine	2015
12	S.V. Bharade	Dr.V.V. Bhagat	Studies on effect of different levels of fertilizer and its application period on growth yield and quality of strawberry (<i>Fragoriaannanassa</i> Dush) Var. Winter Down under polyhouse	2017

13	M.P. Sasane	Dr.V.V. Bhagat	Studies on effect of spacing and training levels on growth, yield and quality of capsicum (<i>capsicum annuum</i> L.) variety under protected condition.	2017
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Books published/chapters contributed to text books

Acad. Year 2013-14				
1	B.M.Kalalbandi,S.B.Rohidas, S.P.Solanke and S.D. Jature	Fundamentals of Horticulture	Director of Instruction and Dean (F/A), VNMKV, Parbhani	ISBN:978-93-5137-8624
Acad. Year 2014-15				
2	B.M.Kalalbandi, D.P.Waskar and R.V.Bhalerao	Drumstick production	Lambert publication	ISBN 978620202668-0
Acad. Year 2016-17				
3	Vaishali .Bhagat, Kalpesh Shinde and Mayuri Sashane	Gerbera cultivation under polyhouse	Lambert publication	ISBN 978620202668-0
ii) Chapters in knowledge based volumes by India/National level publishers with ISBN/ISSN number				
1	B.M.Kalalbandi and others	Production and Management of Fruit crops in Arid/Dryland (Contributed 5 Chapters)	Agrotech Publishing Academy, Udaipur	ISBN:(10) 81-8321-336-7 ISBN:(13) 978-81-8321-336-3

Verities developed 01

Year 2015-16

The genotype of custard apple viz., Dharur-6 is having highest weight of fruit (386.66 g), weight of pulp (47.45 %), yield kg/ha (11.37), TSS OB (24.49) as compared to other with known genotypes hence, it is recommended for release for cultivation in Maharashtra region.

Research recommendations in Joint AGRESCO - 06

Year 2014-15

For maximum yield and better economic returns, the planting of banana cv. Ardhapuri should be done from 15th July is recommended for Marathwada region.

Year 2015-16

For getting optimum growth and economical yields of Sapota cv. Kalipatti in medium deep black calcareous soil of Marathwada region apply 15kg FYM, 0.3 kg N, 0.15 kg P and 0.15 kg K per plant at first year of planting and the same dose is to increased subsequently by 5 kg FYM, 0.1 kg N, 0.05 KG P and 0.05 kg K each year up to 12th year and thereafter 70 kg FYM, 1.4 KG n, 0.7 kf p, 0.7 kg K per plant per year is recommended.

In June planting, to reduce the disease severity index of sigatoka and to increase the yield of banana at 1.5 m x 2.1 spacing along with 50 per cent additional dose of potassium with RDF is recommended for Marathwada region.

Year 2016-17

For higher yields and net monetary returns of watermelon, inline drip irrigation schedule at 80 % of pan evaporation daily with lateral laid at the centre of broad bed furrow of 90 cm top and crop is sown at 50 cm plant to plant spacing on the bed covered with the black polythene mulch of 30 micron is recommended.

Year 2017-18

For higher fruit yield and net monetary returns of *rabi* brinjal. It is recommended to schedule inline drip irrigation at 80% of pan evaporation daily with fertigation of 80:40:40 kg/ha of N:P:K, N in equal splits at an interval of 30 days from transplanting to 120 DAP and P and K in three splits of 20, 10 and 10kg/ha, respectively at planting, 30DAP and 60 DAP.

The recommended dose of fertiliser (100:50:50 NPK kg/ha) and bio-fertilisers such as a soil application is recommended for higher yield and monetary returns of okra for Maharashtra region

Course layout:

As per IV Dean Committee

SEMESTER I

Sr. No	Course No.	Course Title	No. of Credits
1	H/HORT-111	Fundamentals of Horticulture	2+1=3
2	H/FL-111	Ornamental Horticulture	1+1=2
3	H/SSAC-111	Fundamentals of Soil Science	1+1=2
4	H/BOT-111	Principles of Genetics and Cytogenetics	2+1=3
5	H/EXTN-111	Fundamentals of Extension Education	1+1=2
6	H/ECON-111	Introductory Economics	2+0=2
7	H/AGROMET-111	Agriculture Meteorology	1+1=2
8	H/COMP-111	Computer application	1+1=2
9	H/MIBO-111	Introductory Microbiology	1+1=2
		Total credits	12+8=20
10	LANG-111	Comprehension and communication skills in English	1+1=2=N C
11	H/PHY.EDN-111	Physical Education	0+1=NC
12	MATH-111	Mathematics(Deficiency course)	1+1=NC

SEMESTER II (New)

1	H/HORT-122	Propagation and Nursery Management	2+1
2	H/HORT-123	Growth and development of Horticultural Crops.	1+1
3	H/SSAC-122	Soil Fertility and Nutrition Management	2+1
4	H/AGRO-121	Water Management in Horticultural Crops	1+1
5	H/BOT-122	Principles of Plant Breeding	1+1
6	H/BOT-123	Introductory Plant Physiology	1+1
7	H/PATH-121	Fundamentals of Plant Pathology	1+1
8	H/ENTO-121	Fundamentals of Entomology	1+1
9	H/STAT-121	Elementary Statistics	1+1
10	H/EXTH-122	Agricultural Communication and Journalism	0+1
11	H/NSS-121	National Service Scheme	0+1
		Total credits	11+10=21

SEMESTER III

Sr. No	Course No	Title	No. of credits
1	H/FS-231	Tropical & Subtropical fruit crops	2+1=3
2	H/VS-231	Tropical and subtropical vegetable crops	2+1=3
3	H/PHT-231	Post Harvest Management of Horticultural Crops	2+1=3
4	H/SPICON-231	Spices and Condiments	1+1=2
5	H/FL-232	Landscape Gardening	1+1=2
6	H/AGRO-232	Weed Management in Horticultural Crops.	1+1=2
7	H/PATH-232	Diseases of vegetable, Ornamental and Spice Crops	2+1=3
8	H/SSAC-232	Fundamentals of Biochemistry	1+1=2
		Total Credits	12+8=20

SEMESTER IV (New)

1	H/FS-242	Breeding of Fruit and Plantation Crops	2+1=3
2	H/FS -243	Arid Fruit Crops	1+1=2
3	H/VS -242	Temperate vegetables	1+1=2
4	H/FL -243	Commercial Floriculture.	2+1=3
5	H/AGRO-243	Organic Farming	1+1=2
6	H/PATH-243	Disease management of vegetables and spice crops	2+1=3
7	H/AROMED-241	Aromatic and medicinal plants	1+1=2
8	H/SSAC-244	Soil ,irrigation water and Plant Analysis	0+1=1
9	H/ECON 242	Hort-Business Management	2+0=2
		Total credits	12+8=20

SEMESTER V (New)

1	H/VS-353	Breeding of vegetable crops	2+1
2	H/FS-354	Temperate Fruits and Plantation Crops	2+1
3	H/HORT-354	Introductory agro forestry and hort-silvi pasture	1+1
4	H/FS-354	Protected cultivation of flower crops	1+1
5	H/BOT-354	Environmental science and agroecology	1+1
6	H/ENTO-352	Insect Pest Management of Fruit, Medicinal and Aromatic Crops	2+1
7	H/ENTO-353	Insect Pest Management of vegetables, ornamental & spices crops	2+1
8	H/PATH-354	Mushroom Culture	0+1
9	H/ENGG-351	Farm Power and Machinery	1+1
		Total Credits	12+9=21

SEMESTER VI (New)

Sr .no.	Course no.	Course title	No. of credits
1	H/FL 365	Breeding and seed production of ornamental crops	1+1=2
2	H/VS-364	Seed production in vegetable crops	2+1=3
3	H/VS -365	Protected cultivation of vegetable crops	1+1=2
4	H/PHT-362	Processing and value addition of Horticultural crops	1+2=3
5	H/BIOT-361	Fundamentals of Biotechnology	1+1=2
6	H/ENTO-364	Nematode of horticultural crops and their management	1+1=1
7	H/ENTO-365	Apiculture	0+1=1
8	EXTN-363	Entrepreneurship Development and Communication Skills	1+1=2
9	H/MIBO-362	Applied microbiology	0+1=1
		Total credits	8+10=18

SEMESTER : VII (New)

Sr. no.	Course no.	Course title	No. of credits
I	H/HORT-EL-471	Nursery Production and Management	0+20
I	H/HORT-EL-471/1	Importance of establishment of nursery	0+4
II	H/HORT-EL-471/2	Commercial productions maintainance of nursery	0+8
III	H/HORT-EL-471/3	Nursery Management	0+4
IV	H/HORT-EL-471/4	Economics of Nursery Production	0+4
		Total	0+20

SEMESTER VIII (New)

Sr. No.	Course No.	Title	No. of credits
I	H/HORT EL-483	Protected Cultivation of high value horticultural crops	0+20
I	H/HORT EL-483/1	Basic principles of protected cultivation	0+3
II	H/HORT EL-483/2	Production technology of vegetables under protected cultivation	0+5
III	H/HORT EL-483/2	Production technology of flower crops under greenhouse	0+6
IV	H/HORT EL-483/4	Production technology of cut flower under shade house	0+6
		Total	0+20

As per V Dean Committee

SEMESTER - I

Course No.	Courses	Credits		
		Theory	Practical	Total
A)	Core courses			
H/FS-111	Fundamentals of Horticulture	2	1	3
H/BOT-112	Principles of Genetics and Cytogenetics	2	1	3
	Sub total	4	2	6
B)	Basic science			
H/STAT-111	Elementary Statistics and Computer Application	2	1	3
H/ECON-111	Economics and Marketing	2	1	3
H/BIOCHEM-111	Elementary Plant Biochemistry	1	1	2
H/BOT-111	Introductory Crop Physiology	1	1	2
	Sub total	6	4	10
C)	Natural Resource Management			
H/SSAC-111	Fundamental of Soil Science	1	1	2
H/AGROMET-111	Agro-meteorology and Climate Change	1	1	2
	Sub total	2	2	4
D)	Remedial Courses			
MATH 111/ BOT 111	Mathematics / Botany	1	1	2
	Sub total	1	1	2
E)	Non-Gradual Courses			
NCC 111/ NSS 111	NCC/ NSS	0	1	1
DEG 111	Democracy, Elections and Good Governance	1	0	1
	Sub total	1	1	2
	Total Credits (A+B+C+D+E)	14	10	24

SEMESTER – II

Course No.	Courses	Credits		
		Theor y	Practical	Total
A)	Core courses			
H/FS-122	Plant Propagation and Nursery Management	1	1	2
H/ VS-121	Potato and Tuber crops	1	1	2
	Sub total	2	2	4
B)	Basic science			
H/MIBO-121	Introductory Microbiology	1	1	2
H/HORT-121	Growth and Development of Horticultural Crops	1	1	2
H/BOT-123	Principles of plant Breeding	2	1	3
	Sub total	4	3	7
C)	Natural Resource Management			
H/SSAC-122	Soil Fertility and Nutrient Management	1	1	2
H/ ENGG-121	Water Management in Horticultural Crops	1	1	2
	Sub total	2	2	4
D)	Non-Gradiual Courses			
H/ PHEY- 121	Physical Education and Yoga	0	1	1
H/IT-121	Information and Communication technology	1	1	2
	Sub total	1	2	3
E)	Plant protection			
H/ENTO-121	Fundamentals of Entomology	2	1	3
	Sub total	2	1	3
F)	Common Courses			
H/EVS-121	Environmental Studies and Disaster Management	2	1	3
	Sub total	2	1	3
	Total Credits (A+B+C+D+E+F)	13	11	24

SEMESTER – III

Course No.	Courses	Credits		
		Theory	Practical	Total
A)	Core courses			
H/FS-233	Tropical and Subtropical Fruits	2	1	3
H/FS-234	Temperate Fruit Crops	1	1	2
H/FS-235	Weed Management in Horticultural Crops	1	1	2
H/ VS-232	Tropical and Subtropical Vegetables	2	1	3
H/PHT-231	Fundamentals of Food and Nutrition	1	1	2
H/FL-231	Commercial Floriculture	2	1	3
	Sub total	9	6	15
B)	Basic science			
H/BIOT-231	Elementary plant Biotechnology	1	1	2
H/EXTN-231	Fundamentals Of Extension Education	1	1	2
	Sub total	2	2	4
C)	Plant protection			
H/PATH-231	Fundamentals of Pathology	1	1	2
H/ENTO-232	Insect Pests of Vegetable, Ornamental and Spice Crops	2	1	3
	Sub total	3	2	5
	Total Credits (A+B+C)	13	11	24

SEMESTER – IV

Course No.	Courses	Credits		
		Theory	Practical	Total
A)	Core courses			
H/FS-246	Breeding OF Fruit and Plantation crops	2	1	3
H/FS-247	Dry Land Horticulture	1	1	2
H/ VS-243	Spices and Condiments	2	1	3
H/ VS-244	Precision Farming and Protected Cultivation	2	1	3
H/ VS-245	Temperate Vegetables	1	1	2
H/FL-242	Ornamental Horticulture	2	1	3
	Sub total	10	6	16
B)	Natural Resource Management			
H/SSAC-243	Soil, Water and Plant analysis	1	1	2
	Sub total	1	1	2
C)	Plant protection			
H/ENTO-243	Insect Pests of Fruit, Plantation, Medicinal and Aromatic Crops	2	1	3
	Sub total	2	1	3
D)	Other Courses			
H/AHDS-241	Livestock Production and management	1	0	1
H/AGRO-242	Introduction to Major Field Crops	1	1	2
	Sub total	2	1	3
	Total Credits (A+B+C+D)	15	09	24

SEMESTER – V

Course No.	Courses	Credits		
		Theory	Practical	Total
A)	Core courses			
H/FS-358	Plantation Crops	2	1	3
H/FS-359	Orchard and Estate Management	1	1	2
H/ VS-356	Breeding of Vegetables, Tuber and spice Crop	2	1	3
H/FL-353	Principles of Landscape Architecture	0	1	1
	Sub total	5	4	9
B)	Basic science			
H/EXTN-352	Communication Skill and Personality Development	1	1	2
	Sub total	1	1	2
C)	Natural Resource Management			
H/AGRO-351	Organic Farming	1	1	2
	Sub total	1	1	2
D)	Plant protection			
H/ENTO-354	Apiculture, Sericulture and Lac culture	1	1	2
H/PATH-352	Diseases of Fruit, Plantation, Medicinal and Aromatic Crops	2	1	3
	Sub total	3	2	5
E)	Other Courses			
H/MAP-351	Medicinal and Aromatic Crops	2	1	3
H/HORT-352	Introductory Agroforestry	1	1	2
	Sub total	3	2	5
	Total Credits (A+B+C+D+E)	13	10	23

SEMESTER – VI

Course No.	Courses	Credits		
		Theory	Practical	Total
A)	Core courses			
H/ VS-367	Seed Production of Vegetables, Tuber and Spice Crops	2	1	3
H/PHT-362	Postharvest Management of Horticultural Crops	2	1	3
H/PHT-363	Processing of Horticultural Crops	1	2	3
H/FL-364	Breeding and Seed Production of Ornamental Plants	2	1	3
	Sub total	7	5	12
B)	Basic science			
H/ECON-362	Horti-Business Management	2	0	2
H/EXTN-363	Entrepreneurship Development and Business Management	1	1	2
	Sub total	3	1	4
C)	Natural Resource Management			
H/ENGG-362	Farm Machinery and Power Engineering	1	1	2
	Sub total	1	1	2
D)	Plant Protection			
H/PATH-363	Diseases of Vegetables, Ornamentals and Spice Crops	2	1	3
H/PATH-364	Mushroom Production Technology	0	1	1
H/ENTO-365	Nematode Pests of Horticultural crops and their Management	1	1	2
	Sub total	3	3	6
	Total Credits (A+B+C+D)	14	10	24

SEMESTER – VII**Rural Horticultural Work Experience Programme**

Sr.No.	Title of the Course	Credits
1	STUDENT READY - Placement in Industries	0+10
2	STUDENT READY- Placement in Villages	0+10
	Total	20 (0+20)

Semester – VIII**STUDENT READY: Experiential Learning programme**

Sr. No.	Course No.	Title of the Course	Credits
1	HORT EL-481	Commercial Horticulture	
	HORT EL-481/1	Nursery Management of Horticultural Crops	(0+10)=10
	OR		
	HORT EL-481/2	Nursery Management of Horticultural Crops	(0+10)=10
2	HORT EL-482	Protective Cultivation of High Value Horticulture Crops	(0+10)=10
3	HORT EL-483	Processing of Fruits and Vegetables for Value Addition	(0+10)=10
4	HORT EL-484	Floriculture and Landscape Architecture	(0+10)=10
		Total	(0+20)=20

INFRASTRUCTURAL FACILITES



COLLEGE BUILDING



PRACTICAL LABORATORY



INSTRUCTIONAL FARM



POLY HOUSES

GLIMPSES OF COLLEGE ACTIVITIES



DEVENDRA KUMAR RECEIVED GOLD MEDAL IN THE CONVOCATION PROGRAMME



CULTURAL ACTIVITIES



UMED PROGRAMME



EDUCATION TOUR



BASKET BALL TEAM (BOYES)



**RECEIVED GOLD MEDAL IN KHO
KHO COMPETATION**



BASKET BALL TEAM (GIRLS)



**RECEIVED SILVER MEDAL IN
BASKET BALL COMPETATION**



**RECEIVED GOLD MEDAL IN MIME
COMPETATION**



SHIV JAYANTI CELEBRATION



FIELD PRACTICAL



NSS-BLOOD DONATION CAMP



ELP ACTIVITIES



MARKETING OF ELP PRODUCE



**DR.SRIKANT DESHPANDE
SECRETARY GOVERNOR OFFICE**



CLEANING HOSTEL PREMISES



TREE PLANTATION UNDER NSS

