



MAHATMA PHULE KRISHI VIDYAPEETH, RAHURI
COLLEGE OF AGRICULTURE, NANDURBAR

SELF STUDY REPORT
(Year - 2013-2018)



Submitted to



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Self Study Report for the Programme, College of Agriculture, Nandurbar

For the college offering degree programme as per recommendations of Deans' Committees/VCI/BSMA

6.4.1. Brief History of Degree Programme

Nandurbar district is the 4th largest tribal district of Maharashtra. Out of the population of the district *i.e.* 16.48 lakhs, 69.00 per cent population is tribal. The district has now been declared as most backward and undeveloped. To encourage and provide agricultural education to tribal students & farmers particularly with rural background, so as to increase their involvement in farming and allied agri-business activities and for empowerment of rural women college has been established.

As per Government of Maharashtra Cabinet Ministerial meeting held at Nasik on 29th July 2009. The initiatives of Tribal Development Department, the decision was taken to establish Government Agriculture College in Scheduled tribes populated districts (*i.e.* Nandurbar & Gadchiroli) under Tribal Sub Plan Scheme. Nandurbar districts come under the jurisdiction of Mahatma Phule Krishi Vidyapeeth, Rahuri.

As per Government of Maharashtra Resolution dated 19th June, 2013 and MPKV University Resolution dated 06/08/2013 Government College of Agriculture, Nandurbar started *w.e.f.* **August 01, 2013.**

The college is located at Nandurbar- Dhule Road with different well equipped administrative buildings. The average rainfall is 1024.1 mm, with average maximum temperature of 40 °C in the month of May. This region comes under at 21° 75'N latitude and 74° 12' E longitudes with an elevation of 210 m MSL.

The college offers only under graduate (UG) programme. The curricula of the said academic programme are those suggested by 4th Dean's Committee's of ICAR.

Now a day's 10+2+4 pattern which comprises one Semester (VII) of Rural Agriculture Work Experience (RAWE) programme and Experiential Learning Programme for VIIIth semester from the academic year 2013-2014.

Every year total intake capacity of students is 60, out of which 80 % seats are reserved for Scheduled Tribe's students.

Mandate of the Institution

The College of Agriculture, Nandurbar is a unique campus under the Mahatma Phule Krishi Vidyapeeth, Rahuri, Dist. Ahmednagar with complete integration of all the three functions *viz.*; teaching, research and extension. But, the major mandates of the college are:

- i) Making provision for imparting education in Agriculture.
- ii) Advancement of learning and conducting research particularly in Agriculture and other allied sciences / technologies especially for the rural people of the state in general.
- iii) Undertaking activities pertaining to major mandates *via*, education, extension and research as directed by the University time to time.

Objectives

- i) To undertake teaching for UG in Agriculture.
- ii) To carry out research to generate technology and extension of technology to the farmers and professionals.
- iii) To undertake the policy programme of state and central government related to agriculture education, research and extension.

Accomplishments

During 2016- 2017 first batch has been passed out. The following students qualified / placed in various sectors

Table: 1. Number of students passed and placed various sectors in 2016-18

Sr. No.	Year	Number of students qualified/Number of students placed					Number of students passed out
		JRF	SRF	NET	M. Sc.	Other	
1	2016-17	01	-	-	04	04	20
2	2017-18	-	-	-	-	-	25

6.4.2. Faculty strength

Table: 2. Faculty strength

Sr. No.	Sanction Faculty	Faculty in Place	Vacant Position	Faculty recommended By ICAR/UGC/VCI/Other regulatory bodies
1	Professor	00	06	03
2	Associate Professor	04	06	08
3	Assistant Professor	10	10	34
4	Contractual Assistant Professor	03*	-	-
Total		14	22	45

* 11 Month Contractual Basis

As per faculty recommended by ICAR/UGC/VCI/Other regulatory bodies the faculty strength are not sufficient. However, the contractual faculty, guest faculty, adjunct faculty are being appointed to complete the curriculum of the undergraduate degree programme.

6.4.3. Technical & Supporting Staff

Table: 3. Information of Technical & Supporting Staff

Sr. No.	Name of the Post	No. of Post	Actual Filled
1.	Associate Dean	01	01
A.	Establishment		
2.	Asstt. Administrative Officer (Asstt. Registrar)	01	01
3.	Asstt. Academic Officer (AS)	01	01
4.	Assistant Accounts Officer	01	00
5.	Assistants (one for each AAO) (OS)	01	01
6.	Steno/Computer Operators	01	00
7.	Driver	01	01
8.	Farm Manager (Asstt. Prof.)	01	00

9.	Store Keeper	-	-
B.	Central Instrumentation Laboratory		
1.	Instrumentation Asstt. Engineer	-	-
2.	Instrumentation Technician/Lab Asstt.	-	-
C.	Library Staff		
1.	Assistant Librarian (Asstt. Prof. cadre)	01	00
2.	Library Asstt./Clerk	-	-
	Issue Asstt.	01	00
D.	Students Welfare		
1	Physical Education (Asstt. Prof.)	-	-
2	Attendant	-	-
E.	Hostel Staff		
1	Warden / Rector	01*	01*
2	Care taker/ Monitor	02*	02*
3	Hostel Asstt.	01*	01*
F	Estate Branch		
1	Junior Engineer	-	-
2	Security Asstt.	-	-
Total		14	09

* Indicate holding additional charge

6.4.4. Class Room & Laboratories

Four well-equipped classrooms are made available with this college. These are well equipped with audio-visual aids for effective teaching. Different sections of this college also have well-equipped laboratories and separate instrument cell for conducting practical classes of the students. Since the laboratories are equipped with most of the instruments, it also enables staff of this college to carry out research.

Table: 4. Class room available

Class Room	Smart class room/interactive Board
Hall-1	Smart class room
Hall-2	Smart class room
Hall-3	Smart class room
Hall-4	Smart class room

Table: 5. Number of laboratories available

Sr. No.	Section	No. of laboratories available for UG
1	Agronomy	2 Laboratory / Practical hall
2	Agricultural Botany	2 Laboratories / Practical hall
3	Agril. Chemistry and Soil Science	2 Laboratories / Practical hall
4	Agril. Economics	1 Laboratory / Practical hall
5	Agril. Engineering	1 Laboratory / Practical hall
6	Animal Husbandry and Dairy Science	1 Laboratory / Practical hall
7	Agril. Entomology	1 Laboratory / Practical hall
8	Agril. Extension Education	2 Laboratory / Practical hall
9	Plant Pathology	1 Laboratory / Practical hall
10	Horticulture	1 Laboratory / Practical hall

Table: 6. Average number of students in theory and practical classes

Sr. No.	Name of the degree programme	Batch of student in theory	Batch of student in practical
1	B.Sc. (Agri.)	60	30

The class rooms and laboratories are sufficient to meet course curricula requirement of the degree programme.

6.4.5. Conduct of Practical & Hands - on - Training

The undergraduate courses involve conducting practical's as per credits allotted to the specified courses and hands on training and field/lab practical's for courses.

In plant biotechnology the technique of micro propagation in banana and sugarcane is demonstrated. Propagation methods demonstrated. Production Technology of Vegetables and Flower Crops: Maximization of vegetable yield by *viz.*, staking, turning, blanching, earthing up. Vegetable Production: commercial production and marketing of various vegetables & preparation of value added products.

Soil analysis for different micro and macro nutrient demonstrated by practically. The agro-industries visits comprise of fruit processing, cold storage, post harvest and marketing management (sorting, grading, packing), rice mill, poultry (layer, broiler and indigenous breeds), poultry feed, sugar mill, dairy (co-operative and private), milk collection, chilling, processing; processing mill, nursery (government and private), agro-service centre, etc.

6.4.6. Supervision of students in UG/PG/Ph. D Programme

This college do not have PG/Ph. D. programme. However, there is regular monthly counseling meetings are conducted to discuss regarding overall academic progress of undergraduate students, behavior, economical and personal development. In emergency/misbehaviors of students, girl's health problem parents are informed / called to colleges.

6.4.7. Feedback of stakeholders (Students, Parents, Industries, Employers, Farmers etc.)

This college is especially for the 80% tribal students & gives opportunities to the tribal students for the career development in Agriculture sector. This college has kept suggestion and complaints box in college premises. Regular counseling meetings are organized and in emergency parents are also participated for the personality developments of students.

This college has provided an excellent platform and infrastructure to establish rapport between students and teachers.

6.4.8. Student intake and attrition in the programme for the last five years

Table: 7. Student intake and attrition in the programme for the five years

Name of the Degree Programme	Actual students admitted in last five years					Attrition (%)				
	2013-14	2014-15	2015-16	2016-17	2017-18	2013-14	2014-15	2015-16	2016-17	2017-18
B.Sc. (Agri.)	54	60	60	60	60	51.81	61.66	60.00	28.33	20.00

6.4.9. ICT Application in curricula delivery

Smart-class room facilities have been developed in most college. During the last five years, most faculties have developed ICT enabled teaching material and practical manuals. College has audio visual teaching aid facility and smart class rooms. Practical/project work centered courses have been developed. The Institute gives due weight age to the innovative teaching method developed by faculties. As ICT is now being a part of teaching programme. ICT application in curricula delivery is meeting the expectation. ICT application in theory by power point presentation and practical through digital presentation.

6.4.9.10. The information pertaining to 6.4.1 to 6.4.9 has be provided for UG, programme and to be presented college wise is correctly.

6.4.12. Certificate

I, the **Dean, College of Agriculture, Nandurbar** hereby certify that the information contained in Sections 6.4.1 to 6.4.9 are furnished as per the record available in the college and degree awarding university.

Signature of the Dean of the college with Date & Seal

6.5.1 College Administration

6.5.1.1 College Dean's Office Establishment

Whether Dean's post has been sanctioned by the appropriate authority as per

ICAR Model Act/UGC guidelines?	:	Yes
Date of selection of present Dean	:	23.05.2017
Mode of selection	:	Nomination
Tenure	:	Five year (05)
Dean's Secretariat:		

Table: 8. Dean Secretariat

Sr. No.	Name of the Post	No. of Post	Actual Filled	Infrastructure/ Facilities/Office	Area Sq. ft
1.	Dean	01	01	01	350.20
A.	Establishment				
2.	Asstt. Administrative Officer (Asstt. Registrar)	01	01	01	185.30
3.	Asstt. Academic Officer (AS)	01	01	01	1059.42
4.	Assistant Accounts Officer	01	00	01	1044.39
5.	Assistants (one for each AAO) (OS)	01	01		
6.	Steno/Computer Operators/Personal Secretary	01	00		
7.	Driver	01	01		
8.	Farm Manager (Asstt. Prof.)	01	00		
9.	Store Keeper	-	-		
B.	Central Instrumentation Laboratory				
1.	Instrumentation Asstt. Engineer	-	-		
2.	Instrumentation Technician/Lab Asstt.	-	-		
C.	Library Staff				
1.	Assistant Librarian (Asstt. Prof. cadre)	01	00		

2.	Library Asstt./Clerk	-	-		
	Issue Asstt.	01	00		
D.	Students Welfare				
1	Physical Education (Asstt. Prof.)	-	-		
2	Attendant	-	-		
E.	Hostel Staff				
1	Warden / Rector	01*	01*	01	136.00
2	Care taker/ Monitor	02*	02*		
3	Hostel Asstt.	01*	01*		
F	Estate Branch				
1	Junior Engineer	-	-		
2	Security Asstt.	-	-		
Total		14	09		

* Indicate holding additional charge

The secretariat is well equipped & furnished. All staff is having computers along with internet connection. The Wi-Fi facility is also available for them. Printers, scanners, xerox machines, telephone are available for office use.

6.5.1.2. Monitoring Mechanism for Quality Education:

6.5.1.2.1. Teaching

The lectures conducted by the faculty are being monitored by Dean, & Academic Staff. After the conduct of mid-semester examination, answer sheets are evaluated and distributed to students. Students who are academically weak are given special guidance and extra lectures are conducted for improvement.

After the declaration of result of each semester the results of the students are categorized into four category viz., Distinction, First class, Second class and Pass class. The results of each subject are discussed in Board of Studies of respective subject. The results are interpreted and guidance/suggestions are made to improve the results. The innovative suggestions recommendations from respective board studies are forwarded to faculty meeting and academic council.

6.5.1.2.2. Research

Research is not being conducted due to UG programme.

6.5.1.2.3. Extension

To review the extension activities the monitoring mechanism is involved. The extension of different technology developed is disseminated through different *krishi-mela*, agro-technology exhibition, live demonstration, interaction through Scientist Farmer Forum. Outcome of the students excelling in academics, research and extracurricular activities

Table: 9. Outcome of the students

Sr. No.	Year	Number of students qualified/Number of students placed					Number of students passed out
		JRF	SRF	NET	M. Sc	Other	
1	2016-17	01	-	-	04	04	20
2	2017-18	-	-	-	-	-	25

6.5.1.3. Board of Studies

At college level there is no Board of Studies. However, the respective professor from each of the division is the members of the board of studies.

Table: 10. Composition of Board of Studies

Sr. No.	Board of Studies Committee	Task
1	Head of concerned Departments	Chairman
2	Hon. Vice Chancellor Nominee: Two expert members from outside the university are nominated as Vice Chancellor nominee	Member
3	Senior Faculty member of the department	Secretary
4	Teaching faculties from the constituent colleges	Member
5	Invitees: Heads of the Department from SAU in state, Faculty member from the affiliated colleges having 'A' grade ranking.	Invitees

Table: 11. List of Board of Studies conducted department wise

Sr. No.	Name of Department	Dates of Board of Studies	Recommendations
1.	Agronomy	16.04.2013	College run only undergraduate degree programme. Hence, no recommendation passed through Board of Studies.
		27 - 29.01.2014	
		26 - 27.11.2014	
		21-23.03.2016	
		27- 28.09.2016	
		29. 04.2017	
		30- 31.01.2018	
2.	Agricultural Botany	21- 22.03.2013	
		24- 25.02.2014	
		12-13.03.2015	
		22- 23.12.2015	
		25.05.2016	
		22- 23.3.2017	
		07-0 8.02.2018	
3.	Soil Science & Agri. Chemistry	12- 13.12.2013	
		27 - 28.8.2014	
		05-06.05.2015	
		05-06.04.2016	
		02.09.2016	
		13-14.07.2017	
		27.11.2017	
4.	Horticulture		
		16-17.01.2014	
		26.08.2014	
		05.01.2015	
		07.08.2015	
		21-22.01.2016	
		20 -21.09.2016	
		12.05.2017	

		12.10.2017	Research topics of Shri. Sanap. M. Sc. (Hort.) student was finalized.
5.	Plant Pathology	29.07.2013	
		19-20.05.2014	
		10-11.05.2015	
		21-22.6.2016	
		04-05.11.2016	
		21.04.2017	
		05.07.2017	
		28-29.12.2017	
6.	Agricultural Extension	28-29.06.2013	
		17 & 18.6.2014	
		16.03.2015	
		08.09.2015	
		30.03.2016	
		16-17.9.2016	
		26 -27.10.2017	
7.	Agricultural Economics	20.06.2013	
		20-21.06.2014	
		09-10.07.2015	UG Syllabus finalization as per recommendations to V Dean's Committee
		29 -30.09.2016	
		11-12.10.2017	
8.	Agricultural Entomology	04.01.2013	
		07.05.2013	
		27-28.06.2014	
		06 -07.04.2015	
		22-23.03.2016	

9.	Animal Husbandry And Dairy Science	12-13.03.2013	
		09 -10.10.2013	
		22.05.2014	
		16.07.2014	
		02.12.2014	
		25-26.05.2015	
		01-02.07.2015	
		24-25.5.2016	
		27.07.2016	
		28-29.09.2016	
		18-19.09.2017	
		21-22.02.2018	

6.5.1.4. Anti Ragging Cell

This college is following the guidelines given by the ICAR regarding anti ragging. Anti Ragging Cell has been constituted in the college. The Associate Dean of the college is the Chairman of the Anti Ragging Cell. There are various members in the committee from the different fields like a member from NGO, *Tahasildar*, Senior PI of nearby Police Station, parents, students and Rector.

Table: 12. Constitution of anti-ragging committee

1	Head of Institution	Associate Dean	Chairman
2	Representative of Civil	Tahasildar, Nandurbar	Member
3	Representative of Police Administration	Police Inspector, Nandurbar, Police Station	Member
4	Representative of Local Media	Mr. Shantaram Patil Reporter, Sakal News paper	Member
5	Representative of Non Government organization involved in youth activities	Prof. Rajendra Dahatonde, KVK, Kolda, Nandurbar	Member
6	Representative of faculty members	1. Vice President of student's council 2. Student's Welfare Officer 3. Rector (Boys/Girls) 4. Chief Counselor	Member

7	Representative of parents	1. Dr. Madhav Kadam, A/P, Nandurbar Dist. Nandurbar 2. Shri. Ramesh Sambhaji Pawar A/P, Kokani Hill, Nandurbar Mobile- 9403831141	Member
8	Representative of students belonging to the fresher's category	1. Mr. Vivek Dhayade Regn. No. 2017/11 2. Miss. Namita Deshmukh Regn. No. 2017/09	Member
9	Representative of Sr. students	1. Mr. Suresh Balu Gangurde Regn. No. 2015/17 2. Miss. Bhavna Rajendra Patil Regn. No. 2015/35	Member
10	3. Non Teaching Staff	1. Shri. P. T. Suryawanshi, Asstt. Registrar, AC, Nandurbar 2. Shri. D. D. Girase, Office Suptd., AC, Nandurbar	Member

The notice of the anti-ragging committee is being placed in notice board in hostel and college notice board. At the time of the admission in the first year and indemnity bond from each student is taken on a bond paper. Similarly the students have to give the undertaking on line in anti-ragging portal. The major highlights of the Anti Ragging Act have been placed in the college and hostel premises. Separate anti ragging squad committee form at the collegiate level to control ragging activity in hostel. The committee frequently visits the hostel. The squad committee of the staff are also regularly visits the hostel where the first year students are residing. During the visit to the hostel the faculty members interact with the students, make them aware regarding the provisions of anti-ragging. Through the counseling of the students the students are also made aware of the different provision of UGC anti-ragging law.

Table: 13. Anti Ragging squad committee

Sr. No.	Name of Patrolling Section	Date on which Patrolling is entrusted (Time : 22.00 pm -01.00am)
1	Horticulture	1-4 September 2017, 7-8 September 2017
2	Agricultural Botany	5-6 September 2017, 17-20 September 2017
3	Agricultural Extension	9-10 September 2017, 27-28 September 2017
4	Soil Science & Agril. Chemistry	11-12 September 2017
5	Agronomy	13-16 September 2017, 29-30 September 2017
6	Plant Pathology	21-22 September 2017
7	Agricultural Economics	23-24 September 2017
8	Animal Husbandry Dairy Science	25-26 September 2017

Details of proceedings conducted during last five year**Table: 14. Details of complaints received during last five year**

Sr. No.	Subject	2013-14	2014-15	2015-16	2016-17	2017-18
1	No. of complaints of ragging received during year	Nil	Nil	Nil	Nil	Nil
2	No. of complaints disposed off during the year	Nil	Nil	Nil	Nil	Nil
3	No. of cases pending for more than 90 days	Nil	Nil	Nil	Nil	Nil
4	Number of workshops on awareness programme against ragging conducted during the year	The students are made aware of the provision of anti-ragging through the counseling.				
5	Nature of action	Nil	Nil	Nil	Nil	Nil

6.5.1.5. Biological waste Disposal facility

No harmful chemicals, biological, radioactive etc. are not being generated by college. However, college formulated committee for biological waste disposal. All operation regarding wastes disposal as per government guidelines is adopted by the college.

Table: 15. Committee for biological waste disposal facility

Sr. No.	Name of the staff/ committee	Task
1	Dr. V. S. Patil	Chairman
2	Dr. R. O. Brahmane	Co-ordinator
3	Dr. M. S. Bharti	Member
4	Dr. S. S. Wagh	Member Secretary

Role of committee:

1. To formulate the system for biological waste disposal at college level
2. To monitor biological waste disposal at college level
3. To formulate rules and regulations for biological waste disposal as per norms
4. To conduct timely hands on training on biological waste system for staff and students.

Accordingly, the committee has initiated, classified and formulated the biological waste management and its disposal at sectional level. The following disposal mechanism is initiated and deployed by different sections.

Table: 16. Disposal mechanism is initiated and deployed

Sr. No.	Name of the section	Type of waste material	Disposal mechanism
1	All sections	All hazardous biological and chemical waste	All hazardous biological and chemical waste is collected and categorised* at section level and segregated in colour coded bags/container
		Agriculture non-hazardous degradable waste	All agriculture non-hazardous degradable waste are decomposed by adopting scientific procedure of composting

*Hazardous biological and chemical wastes categories and their segregation, collection, treatment, processing and disposal options

Category	Type of waste	Type of bag / container used	Treatment & disposal options
Yellow	Animal & insect anatomical waste : Experimental animal & insect carcasses, body parts, organs, tissues, including the waste generated from experiments or testing.	Yellow coloured non-chlorinated plastic bags/ container	Incineration or deep burial
	Soiled waste: Items contaminated with blood, body fluids like dressings, cotton swabs Microbial cultures, petri dishes, Waste materials during handling of microbes, Contaminated paper or plastic products and gloves (latex, nitrile, and vinyl) and Microbial & tissue culture laboratory waste		Incineration, autoclaving or deep burial as required
	Expired or discarded medicines / chemicals : veterinary drugs, pesticides & agro chemicals		Expired or Discarded veterinary drugs, pesticides & agro chemicals either sent back to manufacturer or disposed by incineration.
	Microbial liquid waste: e.g. Microbial culture medium, washing of contaminated glass wears		Autoclaving drained to separate sewage system.
	Chemical liquid waste : generated due to use of chemicals in laboratories		Liquid wastes if required are deactivated with household bleach and drained to separate sewage system
Red	Contaminated waste : Infectious wastes generated from disposable items and gloves.	Red coloured non-chlorinated plastic bags or containers	Autoclaving and treated waste is sent to registered or authorized recyclers

White (Translucent)	Waste sharps including metals: Needles, syringes with fixed needles, burner, scalpels, blades, or any other contaminated sharp object that may cause puncture and cuts including used, discarded and contaminated metal sharps.	Puncture proof, Leak proof, tamper proof containers.	Autoclaving or Dry Heat Sterilization followed by encapsulation in metal container or cement concrete or sanitary landfill or designated concrete waste sharp pit.
Blue	Glassware: Broken or discarded and glassware's except those contaminated	Blue coloured container	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite treatment) or through autoclaving and then sent for recycling.

The farm organic residues and biological waste of farm is converted into compost. Crop residue of *kharif*, *rabi* seed production crops residue, weeds and tree leaves are used for preparing organic manures *viz.* composts by adopting the following methods

- a) Pit and heap method
- b) *In situ* method

6.5.1.6. Institutional Ethics Committee for Experiment on Animals

The clinical experiments on animal are not conducted. Still college formulated Institutional Ethics Committee for Experiment on Animals

Table: 17. Institutional Ethics Committee for Experiment on Animals

Sr. No.	Name of the staff/ committee	Task
1	Prof. A. T. Lokhande	Chairman
2	Dr. S. S. Wagh	Co-ordinator
3	Prof. N. K. Medhe	Member
4	Dr. M. S. Bharti	Member

6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places

Table: 18. Committee for Prevention of Sexual Harassment of Women

Sr. No.	Name of the staff/ committee	Designation
1	Prof. (Miss). Shital R. Tatpurkar, Assistant Prof.	Chairman
2	Prof. (Adv.) Bhavna Valvi, Assistant Professor, Law College, Nandurbar	Member
3	Smt. Anjana Jaysing Gaikwad, Agri. Asstt.	Member
4	Smt. Shewta Prakash Sonawane, Clerk	Member

The committee conducts the meeting at regular interval. If any complaints are there it is redressed.

Table: 19. Year-wise meetings of Committee for Prevention of Sexual Harassment of Women conducted during last five years (2013-2018)

Year	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Date of Meeting held	-	-	-	12.02.2016	28.12.2017
	-	-	-	08.03.2017	08.03.2018

Table: 20. Details of proceeding conducted during last five year of Committee for Prevention of Sexual Harassment of Women

Sr. No.	Subject	2013-14	2014-15	2015-16	2016-17	2017-18
1.	Number of complaints of sexual harassment received in the year	Nil	Nil	Nil	Nil	Nil
2.	Number of complaints disposed of during the year	Nil	Nil	Nil	Nil	Nil
3.	Number of cases pending for more than 90 days.	Nil	Nil	Nil	Nil	Nil
4.	Number of workshops on awareness programme against sexual harassment conducted during the year	Nil	Nil	Nil	Nil	Nil
5.	Nature of action	Nil	Nil	Nil	Nil	Nil
6.	Proceeding conducted	Nil	Nil	Nil	Nil	Nil

6.5.2. Faculty

6.5.2.1. Faculty Strength

Table: 21. Faculty strength

Designation	Sanctioned	Filled
Dean	01	01
Professor	06	00
Associate Professor	10	04
Assistant Professor	20	10
Total	37	15

6.5.2.2. Faculty Profile (Department wise)

Table: 22. Department wise faculty profile

Sr. No.	Name of the Scheme / Department	Professor			Associate Professor			Assistant Professor		
		Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant
1	Division of Agronomy	1	0	1	1	1	0	3	1	2
2	Division of Agri. Botany	1	0	1	1	1	0	3	2	1
3	Division of Plant Pathology	1	0	1	1	0	1	2	1	1
4	Division of Agri. Economics	0	0	0	1	0	1	1	0	1
5	Division of Soil Science and Agri. Chemistry	0	0	0	1	1	0	2	1	1
6	Division of Agril. Entomology	0	0	0	1	0	1	2	1	1
7	Division of Horticulture	1	0	1	1	1	0	2	2	0
8	Division of Animal Husbandry Diary Science	1	0	1	1	0	1	1	1	0
9	Division of Agri. Extension	0	0	0	1	0	1	2	1	1
10	Division of Agril. Engineering	1	0	1	1	0	1	1	0	1
11	Statistics	-	-	-	-	-	-	1	0	1
	Total	06	00	06	10	04	06	20	10	10

Present profile of faculty is not sufficient. However, we are utilizing contractual, guests' faculties and Pooled services of faculties, College of Agriculture, Dhule

6.5.2.3. Credentials of the Faculty

Table: 23.Credentials of faculty

Sr. No.	Name of Faculty	Highest Qualification	Experience (Years)			Honors/Awards/ Distinction etc*
			Teaching	Research	Extension	
1	Dr. P. A. Turbatmath	Ph.D. (Agril.Engg.)	06	32	36	<ol style="list-style-type: none"> 1. Best Educationist Award 2015, by International Institute of Education and Management, New Delhi. 2. "State Level Agro care Idol 2015", by <i>Kasmade Krishimanch</i>, Satana, Dist.-Nasik. 3. "<i>Rashtriya Krishi Bhushan Puraskar 2015</i>" By <i>Kavya Mitrya Sanstha</i>, Pune.
2	Dr. D. N. Borole	Ph. D. (Agri.)	14	19	33	Ph.D. Award during 2014, MPKV, Rahuri
3	Dr. P. P. Girase	Ph. D. (Agri.)	04	13	13	<ol style="list-style-type: none"> 1. Best Centre Award for the year 2009 & 2010 to AICRP on pearl millet by project coordinator. 2. Qualified ASRB'S National Eligibility Test in 2010 3. Ph.D. Award during 2014, MPKV, Rahuri
4	Prof. R. M. Birade	M. Sc. (Agri.)	02	23	23	-
5	Dr. V. S. Patil	Ph.D. (Agri.)	03	19	22	Ph.D. (Agri.) 2008 MPKV, Rahuri
6	Dr. R. O. Brahmane	Ph.D. (Agri.)	01	31	31	Ph.D. (Agri.) from MPKV, Rahuri 2016,
7	Dr. D. B. Ahire	Ph.D. (Agri.)	01	11	11	Ph.D. (Agri.) from 2016, MPKV, Rahuri Qualified ASRB'S National Eligibility Test-2008

8	Dr. S. S. Wagh	Ph. D. (Agri.)	02 M	-	02 M	Ph.D. (Agri.) from 2015, VNMKV, Rahuri
9	Dr. S. R. Tatpurkar	Ph. D. (Agri.)	01	05	06	Ph.D. (Agri.) from 2015, MPKV, Rahuri
10	Dr. M. S. Bharti	Ph. D. (Agri.)	02 M	-	02 M	Ph.D. (Agri.) from 2017, VNMKV, Rahuri
11	Prof. D. B. Suryawanshi	M. Sc. (Agri.)	05	05	10	Qualified ASRB'S National Eligibility Test-2011
12	Prof. A. T. Lokhande	M. Sc. (Agri.)	04	08	08	-
13	Prof. R. S. Bagul	M. Sc. (Agri.)	02 M	15	15	Qualified ASRB'S National Eligibility Test-2013
14	Prof. S. G. Rajput.	M. Sc. (Agri.)	02 M	-	02 M	Qualified ASRB'S National Eligibility Test-2011
15	Prof. N. K. Medhe	M. Sc. (Agri.)	02 M	-	02 M	Qualified ASRB'S National Eligibility Test-2011

M- Months

6.2.4. Technical and Supporting Staff

Table: 24. Technical and Supporting staff

Designation	Sanctioned	Filled
Technical	07	05
Supporting	13	09
Farm Staff	01	00
Total	21	14

Table: 25. Division wise distribution of technical/supporting/farm staff

Sr. No	Name of the Scheme / Department	Technical	Supporting	Farm/Field Staff
1	Associate Dean Office	-	05	-
2	Establishment	-	01	-
3	Education Division	-	02	-
4	Account Division	-	01	-
5	PAO Office	-	-	-
6	Division of Agronomy	01	-	-
7	Division of Agri. Botany	01	-	-
8	Division of Horticulture	02	-	-
9	Division of Animal Husbandry & Dairy Science	01	-	-
	Total	05	09	-

6.5.3. Learning resources

6.5.3.1 College Library (digital)

College used learning resources like texts, videos, software and other ICT enable material which is useful to students.

Location of the Library – College Library is located in college building College of Agriculture, Nandurbar.

Table: 26. Staff Position in library

Name of Post	Sanctioned	Filled	Vacant
Assistant Librarian	01	00	01
Issue Assistant	01	00	01

Availability of Wi-Fi : Yes

Books and Other Material:

Year wise collection:

Table: 27. Number of documents added in library during the period from 2013 – 2018.

Year	Books Purchased	Book bank	Back volumes	E-Books	Total	Total (Nos.)
2013-14	333	Nil	Nil	Nil	333	588
2014-15	710	Nil	Nil	Nil	710	1298
2015-16	921	Nil	Nil	Nil	921	2219
2016-17	Nil	Nil	Nil	Nil	-	2219
2017-18	50	Nil	Nil	Nil	50	2269

Table: 28. Year Wise Visitors in Library

Year	Visitors of Library
2013-14	--
2014-15	723
2015-16	1,418
2016-17	2,954
2017-18	7,855
Total	12,950

Services Available:

Traditional- Library provides traditional services under the following categories

- Books for reading
- Reference service
- Reading hall
- Xerox facility
- CAS for faculties
- SDI for faculties

Online – Library provides online services under the following categories

- Issue and return with help of KOHA
- Internet facility for searching the information
- E-resources are available in the e-books, e-journals, e-course etc...

Library Services

1. Internet Service
2. OPAC (Online Public Access Catalogue) (<http://Coanopac.firstray.in/>)
3. Online e-journals/virtual e-journals (J-gate) (<http://www.jgate.in>)
4. E – Courses (e – *Krishishiksha*) (<http://ecourses.iasri.res.in/>)
5. *Krishikosh* (Institutional Repository) (<http://krishikosh.egranth.ac.in>)
6. CAS (Current Awareness Service)
7. SDI (Selective Dissemination of Information)

Software's used –

As per ICAR Guidelines KOHA- Library Management software is in operation for whole library automation (*i.e.* Accession, Cataloguing & Circulation).

Table: 29. Number of Computers/Xerox machine/Wi Fi in library

Computers	Xerox machine	Wi Fi
23	01	Available

Reading hall

College Library has one reading hall having a seating capacity of 60 students.

Library Management

College **Library is fully automated. KOHA** – Library Management software is used for all operations. All ICAR e – resources are made available in the library for faculties and students.

Opening Hours

09.00 AM to 5.15 PM (Regular Library/Circulation) however, during exam period library reading hall open from 08.00 AM to 10.00PM.

Subscription to Journals:

As **CeRA**(Consortium for E- Resources in Agriculture) is available in the library, hence no need of new journals.

Stocking Management:

As per guideline of Dewey Decimal Classification (DDC)

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

Table: 30. Number and area of laboratories available in different division

Sr. No.	Name of the laboratory	Space (Area) Sq. ft.	Specialty to conduct practical / hands on training
I Soil Science and Agricultural Chemistry			
1	Soil Science & Agri. Chemistry Lab-1	775.80	Practical is shown to student by actual doing the practical, then writing of observations calculations in practical manual.
2	Soil Science & Agri. Chemistry Lab-2	775.80	Determination of pH, EC, N, P, K etc.
II Agricultural Botany			
3	Genetics, Plant Breeding, Crop Physiology and Seed technology Lab	775.80	Practical study of water, air and sound pollution, Study of ecosystem. Preparation of microscopic slides of Mitosis and Meiosis Dissection of flowers of different field and horticultural crops, hybridization techniques (Emasculation and pollination) of different crops in laboratory and field. Practical study of photosynthesis, respiration, transpiration, Chlorophyll content and Growth Practical on seed sampling, preparation of seed sample, cleaning and grading of seed lot, study of physical purity,
4	Plant Biotechnology Lab	775.80	Micro-propagation of Banana, Sugarcane. Tissue culture technique of Banana and sugarcane. DNA extraction and gel electrophoresis.
IV Animal Science and Dairy Science			
5	Animal Husbandry & Dairy Science Lab	775.80	Practical study physical characteristics of Animals, Analysis of milk & milk products

V	Agricultural Economics		
6	Agricultural Economics Lab	375.00	Practical study of Agricultural Economic
VI	Agricultural Engineering		
7	Agricultural Engineering Lab	302.56	Practical study of Agricultural Engineering
VII	Agricultural Entomology		
8	Agricultural Entomology Lab	775.80	Practical study of Agricultural Entomology
VIII	Agricultural Extension		
9	Agricultural Extension Lab-1	1040.00	Equipped with LCD projector and round table arrangement
10	Agricultural Extension Lab-2	375.00	Practical study of Agricultural Extension
X	Horticulture		
11	Horticulture Lab	960.74	Actual bed preparation, raising seedlings, prepared crop cafeteria etc. Preparation of processed products. Commercial vegetable production module by
XI	Plant Pathology		
12	Plant Pathology Laboratory Lab	775.80	Isolation and identification of plant diseases, disease diagnosis of field, and horticultural crops. Isolation and identification of different beneficial microbes including bio fertilizer, bio agents, mushroom <i>etc</i>
XII	Agronomy		
13	Agronomy Lab-1	855.42	Practical study of physical properties of soil, different irrigation methods, soil water conservation techniques, field crop production techniques, cropping system, organic farming. Meteorology- Auto weather recording system
14	Agronomy Lab-1	371.48	Practical study of Agronomy

Table: 31. Farmland (hectare) available

Sr. No.	Particulars	Area (ha)
1.	Total land	40.00
2.	Land in Possession	40.00
3.	Irrigated Land	01.00
4.	Rainfed	27.46
5.	Land Under Buildings/ Roads/ Play Ground/ Hills	12.54

Table: 32. Buildings and Infrastructures available

Facility	Area (sq. ft.)
Academic buildings	17000.00
Students' hostels (Boys)	7424.40
Students' hostels (Girls)	7424.40

Table: 33. Institutional area available

Sr. No	Particulars	No. of unit	Plinth Area (sq.ft)	Capacity if Applicable	Adequate (Yes/No)
1	Administrative office	1	17000.00	--	Yes
2	Classrooms	4	3378.64	--	Yes
3	Laboratory	10	1042.00	--	Yes
4	Library	1	538.00	--	Yes
5	Boys' hostel	1	7424.40	--	Yes
6	Girls' hostel	1	7424.40	--	Yes

Farm Power, Machineries and Irrigation Facilities

The College has farm power, machineries viz., Reversible Mould-Bold Plough, Rotary Tiller (Rotavator), Cultivator, Ridger, Tractor, Automatic Seed Drill for day to day work and teaching purpose.

Table: 34. Irrigation infrastructure facilities

Total cultivable land	26 ha
a) Irrigated land	00 ha
b) Lift Irrigation	00 ha
c) No. of wells	1 No.
d) Area under well irrigation	01 ha
e) No. of bore wells	03 Nos.

Farm Pond

The college has one farm pond having dimension of 100 X 50 X 5.8 m³ for irrigation.

6.5.3.3. Student READY/ In-Plant Training / Internship / Experiential Learning Programmes:

Students READY and Experiential Learning Programmes: The student Ready Programme is implemented w.e.f. 2017-18 as per V Dean's Committee syllabus.

Table: 35. List of experiential learning module

Year	Name of the EL module	Learning outcome	Grant received (Rs.)	No. of students	Revenue earned (Rs./ha.)	Net profit (Rs./ha.)	Profit distributed to student (Rs.)
2013-14	-	-	-	-	-	-	-
2014-15			-	-	-	-	-
2015-16			-	-	-	-	-
2016-17	AEL HORT-486 “Vegetable Production”	Students trained in commercial vegetable production techniques	-	20	8,650/-	-	-
2017-18			-	23	20115/-	-	-

Commercial Vegetable Production Module: A commercial Production vegetables viz., tomato, brinjal, onion, cabbage, cauliflower, broccoli, lettuce, garlic and exotics vegetable through advanced technique was done by the students in college field. All the farm produce sell in local market by the students. Some per cent of profit of this module distributed to the students as per ICAR guidelines.

The agro-industries visited comprise of fruit processing, cold storage, post harvest and marketing management (sorting, grading, packing), rice mill, poultry, poultry feed, sugar mill, dairy, milk collection, chilling, processing; processing mill, nursery, agro-service centre, etc.

1. **RAWE Programme:** The students of VII semester are sent for work experience training of 6 month duration in different villages.
2. **Educational tour:** 8-10 days duration education tours are arranged between semester break of II and IV semester.
3. **Exposure visit:** 2 days duration exposure visits are arranged for VIII semester students.

Learning Outcomes

Student gained the knowledge about commercial production of various vegetables.

6.5.3.4. Curricula delivery through IT (smart class rooms/ interactive board etc.): Yes

This college use smart class rooms/interactive boards for curricula delivery through IT. Smart-class room facilities have been developed in most college. During the last five years, most faculties have developed ICT enabled teaching material and practical manuals. College has audiovisual teaching aid facility, and smart class rooms. Practical/project work centered courses have been developed. The Institute gives due weight age to the innovative teaching method developed by faculties while awarding Best Teacher Award of the Institute.

Table: 36. Details of class rooms present

Class Room	Smart class room/interactive Board
Hall-1	Smart class room
Hall-2	Smart class room
Hall-3	Smart class room
Hall-4	Smart class room

6.5.4. Student Development

Student Development at the College directs its educational efforts at fostering the intellect and character of students by integrating in-class and co-curricular experiences. To accomplish this, the College provides a wide range of educational experiences through programs and activities that complement and support the academic experience in the classroom.

Final year students of this college are imparted Experiential Learning Programme. The students are required to work in the college on full time basis to understand the need of the module and acquire the latest practical knowledge pertinent to his topic of interest.

The students are exposed to the latest information to develop them intellectually by organizing the lectures by the national / international experts in the respective fields. Field visit/ industrial visit and tour are also organized by the college from time to time to make them aware of the latest trends in the market. Students are also encouraged to participate in the national / international seminars and conference to interact with the experts in the respective fields.

6.5.4.1. Student Intake and Attrition:

Table: 37. Student intake and attrition

Degree	2013-14		2014-15		2015-16		2016-17		2017-18	
	Intake	Attrition	Intake	Attrition	Intake	Attrition	Intake	Attrition	Intake	Attrition
UG	54	28	60	37	60	36	60	17	60	12

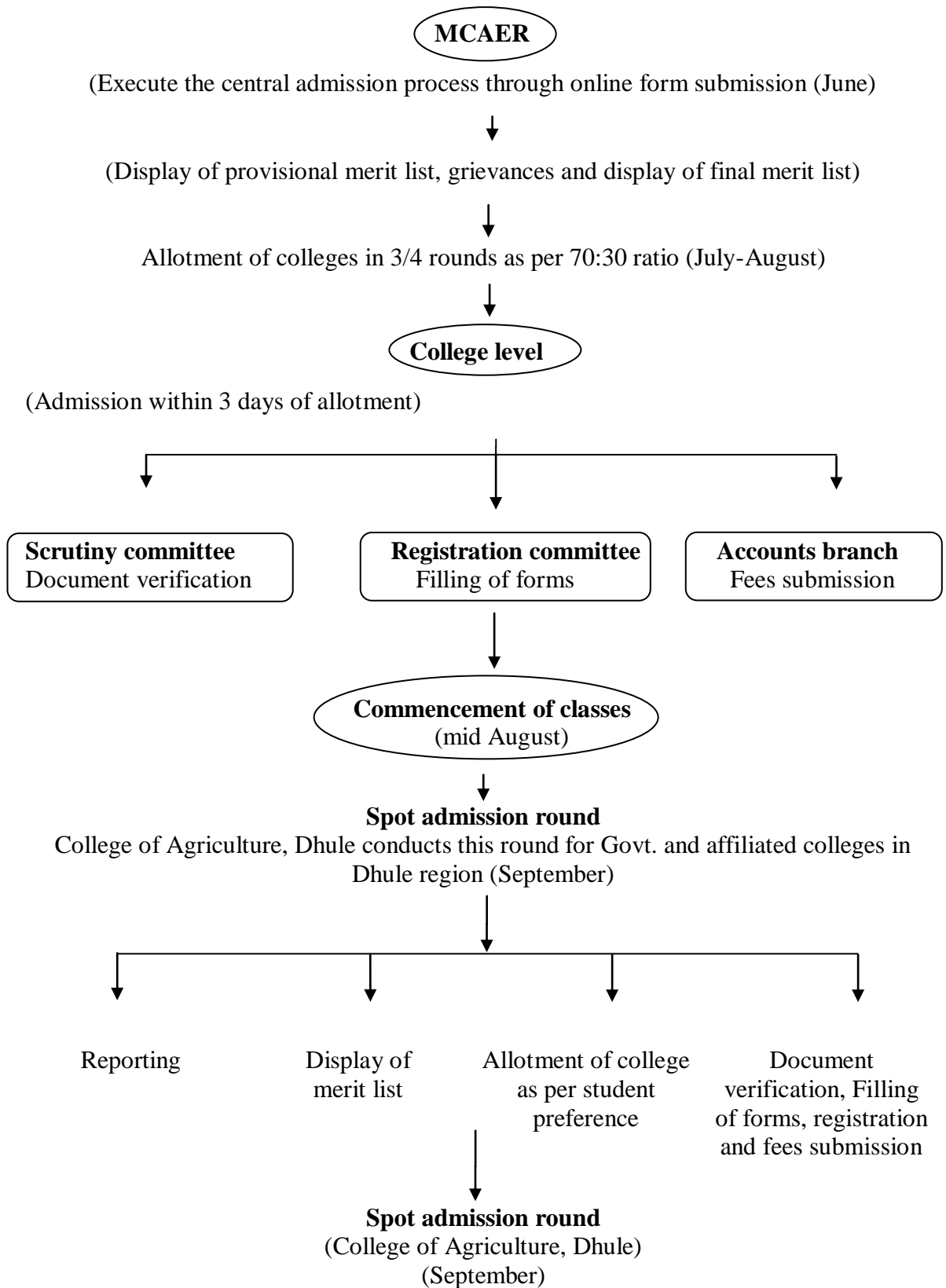
6.5.4.2. Average Number of Students in Theory and Practical Classes

Table: 38. Average number of students in theory and practical classes

Sr. No.	Name of the degree programme	Batch of student in theory	Batch of student in practical
1	B.Sc. (Agri.)	60	30

6.5.4.3. Admission Process

Admission Process for UG programme



6.5. 4.4. Conduct of Practical and Hands on Training

Agronomy

Charts/specimens of tools and implements, actual seed, weed and crop identification, different methods of sowing, irrigation layouts, live models of pressurized irrigation systems, agro-meteorological instruments, methods of fertilizer application and methods of weed management.

Animal Science and Dairy Science

Physical characteristics of different breeds, livestock; Breeding, health, feeding and management of livestock; forage cultivation and nutritional requirement of different categories of animals;

Agricultural Botany

Study of water, air and sound pollution; visits to study the ecosystem. Preparation of slides to study the cell division. Floral biology of different major crops of the region is taught and the different breeding methods used for hybridization / crop improvement in field are demonstrated. Experiments on photosynthesis, respiration, transpiration, estimation of chlorophyll content and growth are demonstrated. In plant biotechnology the technique of micro propagation in banana and sugarcane is demonstrated. Demonstration on DNA extraction and gel electrophoresis is also done. In seed technology course practical on seed sampling, preparation of seed sample, cleaning and grading of seed lot, study of physical purity, moisture, germination, seed vigor, viability and health test is done.

Agricultural Economics

Estimation of cost of cultivation of Crops, depreciation of farm assets, net worth and income statements, financial test ratios, break even analysis of project, study of marketing institutions such as NAFED, SWC, CWC. etc. Economic analysis of different enterprises, partial and complete budgeting and preparation alternative farm plans, assessment of credit requirement for various crops and enterprises. Testing of economic viability of project, loan proposal formulation and assessment of repayment capacity, risk bearing ability and returns on investment. Institutional finance, Marketing of Agricultural products and livestock. Input and output markets, financial criteria for appraisal of the project. Seasonal indices of arrival and prices of Agril. Commodities.

Agricultural Engineering

Surveying and leveling; Farm Machinery and power practical's are conducted through cut models of different systems of IC engine and tractor. Protected cultivation; Post harvest Technology.

Agricultural Entomology

Insect morphology and anatomy; classification and identification of distinct insect pest, pest management strategies, collection and extraction of plant parasitic nematodes.

Agricultural Extension:

Communication skills, preparation of bulletin, pamphlet, booklet; preparation of news, radio talk; channels for effective dissemination of agricultural information.

Horticulture

Propagation methods e.g. Cutting, layering, budding and grafting and crop maximization practices like bending, notching, ringing and girdling, training and pruning. Production Technology of Vegetables and Flower Crops: Maximization of vegetable yield by viz., staking, turning, blanching, earthing up. Maximization of flower yield and quality by pinching, disbudding, pruning, bending. Vegetable Production: Production and marketing of various vegetables viz., tomato, brinjal, onion, cabbage, cauliflower, broccoli, lettuce, garlic and exotics. Preparation of value added products.

Plant Pathology

Isolation and identification of plant diseases, disease diagnosis of field as well as horticultural crops. Isolation and identification of different beneficial microbes including bio fertilizer, bio agents, mushroom etc.

Soil Science and Agricultural Chemistry

Physical, chemical and biological properties of soils ; recommendation for improving the soil quality, health and crop sustainability; specimens of soil forming rocks and minerals along with their properties, soil profile, tools for collection of soil and irrigation water samples. The qualitative and quantitative analysis of carbohydrates, proteins, lipids and oils are carried out for nutritive values along with their quality in food are tested.

Hands on Training

The agro-industries visited comprise of fruit processing, cold storage, post harvest and marketing management (sorting, grading, packing), rice mill, poultry (layer, broiler and indigenous breeds), poultry feed, sugar mill, dairy (co-operative and private), milk collection, chilling, processing; processing mill, nursery (government and private), agro-service center, etc. The information about a few nominal enterprises is presented herewith.

- *Sahyadri Farm*, Pimpalgaon Baswant Dist. Nasik: Works undertaken: Fruit processing, cold storage, export fruits & vegetables. Asia's largest pack house (Farmers Producer Company Ltd.)
- Starch Factory, Dondaicha Tal. Sindkheda Dist. Dhule: Starch based production unit.
- Drip Irrigation Pipe Factory, Shahada, Dist. Nandurbar: Different types of drip irrigation system & production unit.
- Mauli Dairy Unit, Sonai, Tal. Rahuri, Dist. Ahmednagar: Area required: 0.10 Ha. Sections: Receiving chamber, Filtration unit, Pasteurization unit, Cold storage unit, Accounting section, Milk testing unit. Daily milk collection and distribution: 80000 liters/day. Annual turnover: Rs. 80000000/-

6.5.4.5. Examination and Evaluation Process

System of Education:

The State Agricultural Universities have adopted course 'Credit System' under the 'Semester Pattern'. In this system each academic year is divided into Two Terms not shorter than 20 weeks, called as 'semester'. Subjects to be taught are divided into self contained units called Courses. These are taught in a semester through lectures, practical, library reading, field work, assignments, etc. The choice of courses, number of credits to be taken by a student is decided in consultation with assigned counselor, keeping in view the existing rules and the performance of the students. If the performance of a student in a particular course is not up to the mark, he may repeat the course whenever, it is offered as per the course layout.

The candidates admitted for various degree programme will have to complete Student READY (Rural and Entrepreneurship Awareness Development Yojana) programme during VII & VIII semester as per the V Deans Committee Recommendations.

Mode of Implementation:- Experiential Learning/Hands on Training , Skill Development Training, Rural Agriculture Work Experience, In Plant Training/ Industrial attachment, Students Projects. A separate passing of 55% marks is compulsory for the theory and practical examination those who were admitted from the year 2013-2014 and in Theory and Practical examination 40% marks each head is compulsory for the concern subject. The period for completion of degree course is 8 years. If the Candidates require one year extension for serious reason, in this case the academic council of University will be taken appropriate decision about extension of this period, after verifying serious reason. In this case hostel facility will not be allowed for such students.

Evaluation and Grading

U.G. programme

The evaluation and grading of each programme is through the course credit system and as per the Academic Regulations for Bachelor's Degree Programme approved by the M.C.A.E.R.(As per the Academic Regulation for Bachelor's Degree Programme consisting - Evaluation, Weightage, Grading, Class, Repeat examination, Unfair means and Graduation requirements).

Periodical examinations (Mid-Term and Semester-End)

Mid- term examinations conducted at college level by the Associate Dean consist of the theory paper of one-hour duration. The semester end theory and practical examinations are of minimum of 2 hours duration.

The allocation of marks and relative weightages

One credit is equal to 50 marks.

**Table: 39. Relative weightage to the various examinations conducted
Class-work and records maintained during a semester**

Examination		Weightage (%)	Marks for credits	
			2 (1+1)	3 (2+1)
Theory	Mid-semester	20	10	20
	Semester end	80	40	80
Practical	Record of class work	20	10	10
	Semester end	80	40	40

Grading and declaration of class

The gradation is in 0-10 point scale.

Table: 40. Stages for declaration of classes for UG programme

Pass class	Second class	First class	First class with distinction
5.50 to 5.99	6.00 to 7.49	7.50 to 8.49	8.50 and above

As per IVth Dean Committee students seeking less than 55 per cent marks in a course are declared as failed in that course. The students who have 80 per cent attendance, but failed in courses can apply for the semester end examination directly without attending the classes in that course/s. However, such student (s) shall have to register by filling the said courses in the roster form and by payment of fees of Rs.100/- per course. Such repeat courses shall not be considered for the maximum credit load prescribed for the semester.

Table: 41. Grading as per Vth Dean Committee report

Pass class	Second class	First class	First class with distinction
5.00 to 5.99	6.00 to 6.99	7.00 to 7.99	8.00 and above

6.5.4.6. NCC/NSS/RVC Units

National Service Scheme (NSS)

The following B.Sc. (Agri.) volunteers have been admitted to the first year NSS programme during the year 2013-14 to 2017-18.

Table: 42. Numbers of volunteers admitted to NSS programme during last five year-2013-18

Sr. No.	Year	No. of volunteers
1	2013-14	-
2	2014-15	50
3	2015-16	50
4	2016-17	50
5	2017-18	50

Regular Activities:

1. The series of guest lectures on various topics are being organized for the overall social and personality development of the NSS volunteers.
2. Celebration of various days from time to time viz., International Yoga day, Teacher's day, World AIDS day, and NSS Foundation day, Independence Day, Republic day, International Women's day, etc.
3. Every year the tree plantation programme is being organized during the month of June and July.
4. Every year the blood donation programme is being organized and volunteers donate blood enthusiastically.
5. Undertaking *Shramdaan*/ Cleaning campaign from time to time under the “*Swachh Bharat Mission*” in which the college campus, hostel premises, lecture halls, roads, civil hospital etc. are kept clean and tidy and the collected dried leaves and other biomass is used for composting.
6. Collection of glass and plastics is done regularly and the collected plastic is being sent for recycling.

Special Camp Activities:

The seven days residential special camp is being organized every year in the adopted village where various programme are undertaken as follows:

1. Cleaning of roads, schools, temples and *gram panchayat* premises.
2. Guest lectures on various topics.
3. Tree plantation programme.
4. Animal vaccination programme.
5. Rallies for awareness on various social issues among the public.
6. Cultural programme on social theme.
7. Visits to different places for social development of volunteers.

Table: 43. Participation of NSS volunteers in Special Camp

Sr. No.	Name of the camp	Venue	Period	No. of participants
Academic year 2013-14				
	-	-	-	-
Academic year 2014-15				
	-	-	-	-
Academic year 2015-16				
1.	Special Camp	Gram Panchayat, Thanepada, Dist. Nandurbar	08-14, March, 2016.	25
Academic year 2016-17				
2.	SpecialCamp	Gram Panchayat, Thanepada, Dist. Nandurbar	26-31, March, 2017.	25
Academic year 2017-18				
3.	Special Camp	Gram Panchayat, Waghale, Dist. Nandurbar	13-19, March, 2018.	25

Special contribution/awards/achievements:

1. On the occasion of “**National Flag Day**” Rs. 11,100/- was collected as a donation from public and were sent to “National Foundation for Communal Harmony, New Delhi.” during the years 2017-18.
2. Created awareness among the public for enrollment and getting Voters ID.
3. “**Best NSS Volunteer**” (Boys) award was awarded to volunteer **Mr. Gangurde Suresh Balu** for the year 2017-18.
4. “**Best NSS Volunteer**” (Girls) award was awarded to volunteer **Miss. Bhavna Rajendra Patil** for the year 2017-18.

Benefit:

The volunteers are greatly benefited by various NSS activities. Change in the attitude and personality through various lecture series on different topics, building self-confidence among the volunteers. It helps volunteers to imbibe self-discipline. A volunteer gets opportunity to represent themselves in the State and National level camps. It makes students socially awoken.

National Cadet Corp (NCC) : Not applicable

Scholarships Received

Table: 44. Scholarships received to students

Sr. No.	Year	Name of cadet and Prizes	Amount Sanctioned (Rs.)	No. of Students
1	2013-14	Merit Cum Mean Sponsored by ICAR New Delhi	5,000/-	01
2	2014-15		4,000/-	01
3	2015-16		4,000/-	01
4	2016-17		4,000/-	01
5	2017-18	College Merit Cum Means	20,000/-	02
		Central Sector Scheme of Scholarship for College & University Students.	10,000/-	01
		Post Metric Scholarship Schemes Minorities	8,700/-	01

6.5.4.7. Language Laboratory

The majority of the students (80%) are from tribal area. Basically these students are very poor in English language. In order to have command and proficiency on language for the undergraduate students of B.Sc. (Agri.), we use conventional mode of instruction for language teaching and developing the communication skills. The extra classes are conducted by English expert teacher on Saturday and Sunday regularly to improve vocabulary, language proficiency. Our department takes the help of following teaching aids and IT tools for developing effective communication skills among the students-

1. Audio-visual aid.
2. CDs- Communication Skills
3. CDs- Collins English for Business.
4. CDs-Vocabulary Builder.
5. CDs- Advanced Spoken English.

6.5.4.8. Cultural Center

College of Agriculture, Nandurbar has one cultural hall. Different instruments *viz.*, *Tabla*, *Harmonium*, *Dholki*, *Dhol*, *Lezim*, *Saxophone etc.* are kept for the use of the students. Students of this college use this facility for learning and playing different instruments. They also use cultural hall for their practice and preparation for participation in different events like Inter collegiate cultural activities, state level debate and elocutions competitions etc.

6.5.4.9. Personality Development

Table: 45. Personality Development Activity

Sr. No.	Year	Activity
1	2015-16	➤ Organized one day training programme of Disaster Management on 13 th April, 2015.
2	2016-17	➤ Organized three day training programme on Human Resource Development for University Scientist & Students w.e.f.14-16 th September, 2016. ➤ Organized District Workshop on Medicinal & Aromatic Plants under TSP by Medicinal & Aromatic Project, MPKV, Rahuri and College of Agriculture, Nandurbar on 16 th March, 2017. ➤ Organized three day off campus training programme on Leadership Development & Team Building Skill w.e.f. 16-18 th March, 2017
3	2017-18	➤ Agricultural Education Day for creating awareness and highlight the scope for students in agricultural profession, after HSC and for building strong agricultural base was organized on 7/07/2017 ➤ Five students of 4 th Year B. Sc. (Agril.) attended & participated in National Seminar on AGRI-PROSPECTS at MITCON, Balewadi, Pune, Maharashtra on 3 rd February, 2018

6.5.5 Physical facilities

6.5.5.1 Hostels

Table: 46. Details of hostel facility available

Sr. No.	Name of Hostel	No. of Hostel	Total capacity	Students/ per room
1	Boys Hostel (<i>Satpuda</i>)	01	90	3
2	Girls Hostel (<i>Tapi</i>)	01	90	3

Table: 47. Facilities available in the hostel

Sr. No.	Particular	Boys Hostel	Girls hostel
1	Mess facility	Available-01 Contractual-01	Available-01 Co-operative mess
2	Drinking water	Water cooler with water filter -1	Water cooler with filter-1
3	Indoor games	Available Chess Table Tennis	Available Chess Table Tennis
4	Hot water	Solar system	Solar system
5	News paper	Marathi & English news papers	Marathi & English news papers

Cleaning

The cleaning of hostel premises is being done with the help of contractor. The cleanliness in the hostel premises is maintained and monitored regularly by supporting staff. The students and staff participated in cleanliness drive in the hostel.

Transport facility

In case of emergency the college bus & vehicle are made available for immediate medication and exposure visits to the student.

6.5.5.2. Examination hall

Table: 48. Details of examination hall facility

Building	No. of halls	Capacity
Examination Hall	01	60
Class room	04	60 /class room

6.5.5.3.Sports and Recreation Facilities

Table: 49. Sports facilities available

Games & Sports	Equipment and Infrastructure	Area (Sq.ft.)
Outdoor sport		
Kho-kho	Kho-Kho Ground	4992.64
Cricket	Cricket Ground	159786.00
Kabbadi	Ground	1743.12
Volley Ball	Ground	1743.12
Indoor sport		
Table Tennis	Table	-

Day to day management

The students who have registered for **PHYEDN-111** attend their practical session from 17:00 to 19:45 Hrs.

The students interested in various sports participate in practice and coaching session from 07:00 to 09:00 hrs. This helps the students to be got selected in college team for inter-collegiate tournaments. During the college hours the maintenance and marking of various playground is carried out.

6.5.5.4. Auditorium

The auditorium is used for educational and co-curricular activities every fortnightly. Lectures on Career Development, Personality Development and Motivational Development are organized by Eminent Personals in different fields.

6.5.5.5. Exhibition Hall/Museum

Table: 50 Exhibition hall / museum facility

Sr. No.	Name of Division	Name of Exhibition Hall	Purpose
1	College	Exhibition Hall	College has display boards for various ornamental plants, varieties, improved cultivation practices, methods of irrigations, soil and water conservation devices, Farm Machinery tools, agro meteorological instruments, garden tools and implements, seed samples, various crop Pest , diseases, animal component, procedure of soil sampling, soil& water analysis, communication skills, pamphlet, booklets etc.

6.5.6. Research Facilities

College has under graduate degree programme only.No separate staffs are sanctioned for research. Hence, no research programme initiates

6.5.6.1. Undergraduate Laboratories and Equipment's

Table: 51. List of equipment's available in different division laboratories

Sr. No.	Name of Division	Under graduate Laboratory	Equipment's
1	Soil Science and Agricultural chemistry	Soil Laboratory	Automatic N analyzer, Flame Photometer, Electronic Balance Shaking Machine, Water Bath Oven, Muffle Furnace, Digestion unit
2	Agricultural Botany	Biotechnology Laboratory	Gel Electrophoresis unit, Rotary shaker, Micro centrifuge, Vortex shaker, reciprocating shaker, single distillation unit, microwave oven, magnetic stirrer,UV-trans illuminator, Autoclave, freezer, Hot air oven, Water bath, Digital Weighing balance

3		Genetics, Plant Breeding, Crop Physiology and Seed technology	Digital Seed counter, Sound level meter, Hot air oven, Water bath, Digital Weighing balance
4	Agronomy	Agronomy Laboratory	Tractor- 55 H.P. Tools and implements pertaining to farm section. Automatic weather station.
5	Animal Science Dairy Science	Animal Husbandry & Dairy Science Laboratory	Hot Water Bath, Muffle furnace
5	Agricultural Entomology	Agricultural Entomology Laboratory	Insect Boxes
6	Horticulture	Horticulture Laboratory	Electronic weight balance, Refractometer, Hot air oven, Autoclave, Hand lawn mower, Weed cutter & garden tools
7	Plant Pathology	Plant Pathology Laboratory	Laminar air flow, Electronic weight balance, Autoclave, Student Microscope etc.

6.5.6.2. Research Contingencies

New college established during the year 2013. No research contingency has been received from ICAR. It does not meet student demand.

Table: 52. Research contingency received

Sr. No.	Year	Research Contingency (Rs.)	Whether it meets the student demand
1	2013-14	Not Received	-
2	2014-15		
3	2015-16		
4	2016-17		
5	2017-18		

6.5.7 Outcome/Output

6.5.7.1. Student Performance in National Examinations

Table: 53. Student performance in National Examinations

Sr. No.	Year	Number of student qualified				
		JRF	SRF	NET	BANK	Other
1	2013-14	-	-	-	-	-
2	2014-15	-	-	-	-	-
3	2015-16	-	-	-	-	-
4	2016-17	01	-	-	-	-
5	2017-18	-	-	-	-	-

6.5.7.2. Students Placement Profile

Table: 54. Profile of student placements

Sr.No.	Year	Number of student placed				
		ARS	UPSC	MPSC	Banking	Other
1	2013-14	-	-	-	-	-
2	2014-15	-	-	-	-	-
3	2015-16	-	-	-	-	-
4	2016-17	-	-	-	-	04
5	2017-18	-	-	-	-	-

6.5.7.3. Awards/Recognitions/Certificates

Table: 55. List of students given certificates

Sr. No	Name of Student	Year	Awards/Recognitions/Certificates
1	Mr. Gangurde Suresh Balu	2017-18	“Best NSS Volunteer” (Boys)
2	Miss. Bhavna Rajendra Patil	2017-18	“Best NSS Volunteer” (Girls)

Faculty Award

Table: 56. Details of faculty award received during year 2013-18

Sr. No.	Name of faculty	Award
2013-14		
-	-	-
2014-15		
-	-	-
1	Dr. P. P. Girase	Ph. D. (Agri.), Mahatma Phule Krishi Vidyapeeth, Rahuri
2015-16		
2	Dr. P. A. Turbatmath	Best Educationist Award 2015, by International Institute of Education and Management, New Delhi. “State Level Agro care Idol 2015”, by <i>Kasmade Krishi manch</i> , Satana, Dist.-Nasik. “ <i>Rashtriya Krishi Bhushan Puraskar 2015</i> ” by <i>Kavya Mitrya Sanstha</i> , Pune.
3	Dr. S. R. Tatpurkar	Ph. D. (Agri.), Mahatma Phule Krishi Vidyapeeth, Rahuri
4	Dr. S. S. Wagh	Ph. D. (Agri.), Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani
2016-17		
5	Dr. D. B. Ahire	Ph.D.(Agri.), Mahatma Phule Krishi Vidyapeeth, Rahuri
2017-18		
6	Dr. M. S. Bharti	Ph. D. (Agri.), Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani

6.5.7.4. Employability

New vistas in the Agricultural Education have been opened for the students of the agricultural universities in our country with the advent of the V Deans Committee recommendations being implemented since 2017-18. Since the inception of the College of Agriculture, Nandurbar in 2013, students of the college are being trained in Agronomy, Animal Husbandry and Dairy Science, Agricultural Botany, Agricultural Economics, Entomology, Engineering, Extension, Horticulture, Plant Pathology, Soil Science & Agricultural Chemistry and Statistics. As far as the professional employability is concerned, the job market demands technical, entrepreneurial, communication skills, leadership skills and a well-developed personality. In order to meet these, during the first six semesters students get instructions and training in all the above subjects and in Semester VII they work for RAWE and in the final semester they get trained in Experiential Learning. After the completion of the undergraduate degree programme, the students of this college are quite competent in plant disease diagnosis, farm advisory, farm production practices, dairy, goat and poultry farming, advanced irrigation systems for water management, organic farming, and agro-entrepreneurial skills. A majority of the students of this college get employment in the Central and State governments through various competitive examinations while a good number of our students are in demand in the private sector organizations and Government of India Undertakings such as the finance sector. Various tournaments, competitions and events organized at the college enhance the team-work and leadership qualities and skills which help them immensely in their post-academic career and endeavors.

6.5.9. Certificate (Applicable when SSR is submitted for Programme)

I, the **Dean, College of Agriculture, Nandurbar** hereby certify that the information contained in **Sections 6.4 and Section 6.5.1 to 6.5.7.4** is furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with Date & Seal