

45th

ANNUAL REPORT

2016-17



Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth
Dapoli 415 712, Dist. Ratnagiri (M.S.).

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45th
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Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth

Dapoli 415 712, Dist. Ratnagiri (M.S.)



Dr. S. D. Sawant,
Vice Chancellor,
Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth,
Dapoli, Dist. Ratnagiri.

FOREWORD

I am very happy to present 45th Annual Report of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Dist. Ratnagiri. A review of the key contribution of the University in the fields of education, research and extension education during the year 2016-17.

Considering the agro-climatic and geographical condition of the Konkan region, the University conducted several research experiments and projects at different places. During the report year, six improved crop varieties namely; Rice:Ratnagiri-6, Ratnagiri-7 (Red Rice), Karjat-10, Groundnut: Kokan Bhuratn, Brinjal: Konkan Prabha, Tomato: Konkan Vijay, two farm implements viz. Power Operated Coconut Dehusker, Cranking type Paddy transplanter and 43 research findings based on crop production technologies from different faculties have been recommended by the Joint AGRESCO committee in 2017.

Under the report year the University students participated in different games and sports competitions viz. 20th Maharashtra Inter University Sports Meet, All India Inter Agril. University's Games and Sports Meet, All India Intern University West Zone Wrestling Competition and exhibited their skills. The students' performance in cultural events like 'MAYURPANKH', 'INDRADHANUSHYA', and Agri. Unifest was noteworthy. The students of this University also represented in the Inter-collegiate and Inter- University research festival '(AVISHKAR)'.

In the NSS Programme volunteers from affiliated and constituent colleges under the University enrolled during the reporting year and conducted various programmes like blood donation and health camp, tree planting and Shramadan under "Swachchha Bharat Abhiyan".

The University was actively involved in transfer of improved agricultural technology to the farmers and farm entrepreneurs by organizing various training programmes, farmers'rallies, crop demonstrations, Farmers-Scientists-Forum (FSF) meets, seminars, workshops and many other extension programmes.

For implementation of the above said events, programmes and activities the University received constant encouragement and support from H.E. Governor of Maharashtra, Hon. Pro-Chancellor of the University and Minister for Agriculture of Maharashtra State, Maharashtra Council of Agricultural Education and Research, Pune and Indian Council of Agricultural Research, New Delhi. Due to the generous assistance, the University is making substantial

progress. I am grateful to all of them. I am also thankful to all the University officers and employees for their collective efforts and contribution.

I would like to place on record the efforts taken by Director of Research and his team in preparation of this annual report.

Place : Dapoli.

Date : 15/05/2019



(S. D. Sawant)
Vice Chancellor



Hon. Shri. C. Vidyasagar Rao
H.E. Governor of Maharashtra



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Chief Minister,
Maharashtra State



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Hon. Dr. Ram Kharche
Vice Chairman
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Agril. Education Research, Pune



Hon. Dr. Tapas Bhattacharyya
Vice Chancellor,
D.B.S.K.K.V., Dapoli.
(From 6/11/2015)

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1. INTRODUCTION



Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli was established by Government of Maharashtra on 18th May 1972 with a view to fulfil the needs of Agricultural Education, Research and Extension in Konkan region of Maharashtra State. The jurisdiction of the University encompasses six districts viz. Palghar, Thane, Raigad, Ratnagiri, Sindhudurg and Greater Mumbai. The region has hilly terrains and extensive long seacoast of 720 km., which receives heavy rainfall ranging from 2000 to 4000 mm. mostly during June to September. The climate of the region is warm and humid almost throughout the year.

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli imparts instructions leading to undergraduate and post graduate degree programmes under Faculties of Agriculture, Fisheries and Agricultural Engineering and Technology. The College of Agriculture, College of Forestry and College of Agricultural Engineering and Technology are situated at Dapoli, College of Fisheries at Ratnagiri, College of Horticulture at Mulde, Tal. Kudal, Dist. Sindhudurg and Post Graduate Institute of Post Harvest Management at Killa-Roha, Dist. Raigad. The course, Diploma in Agriculture Technology is being conducted at Roha and Lanja and one year duration Mali Training Course at Dapoli and Palghar. Diploma in Fisheries Engineering, a course of three years duration has been started at College of Fisheries, Ratnagiri. Jurisdiction of the University is divided into South and North Konkan Coastal Zones in which sixteen research stations are functioning at different places. In Konkan region, four Krishi Vigyan Kendras; among them two directly working under the University and two to NGOs are in accordance with transfer of technology. Regional Fruit Research Station, Vengurle and Regional Agricultural Research Station, Karjat are the main research centres of the University. The University has extended affiliation to the private non grant colleges. There are total seven Agricultural colleges, one each Horticulture and Agril. Engineering colleges, two Agri-Business Management colleges and four colleges of Biotechnology and Food Technology. There are seven Colleges of Agriculture, one College of Horticulture, one College of Agricultural Engineering and Technology, two Colleges of Agricultural Marketing and Business Management, four Colleges of Food Technology and four Colleges of Agricultural Bio-technology are affiliated to the University and running on non-grant basis. There are thirty four Agri-polytechnic Schools affiliated to the University. The jurisdiction of the University and its major centres are shown in the map overleaf.

This 45th Annual Report of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli includes the information on education, research and extension education activities carried out from 1st April 2016 to 31st March, 2017.



Jurisdiction of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Dist. Ratnagiri



North Konkan Coastal Zone

- Palghar
- Thane
- Mumbai
- Bandra
- Raigad
- Panvel
- Karjat
- Roha
- Repoli
- Shriwardhan

South Konkan Coastal Zone

- Ratnagiri
- Dapoli
- Wakavali
- Awashi
- Shirgaon
- Bhatye
- Zadgaon
- Sindhudurg
- Phondaghat
- Rameshwar
- Mulde
- Nileli
- Vengurle



2. EDUCATION AND STUDENTS WELFARE



2.1 Education

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli is imparting education to the following under-graduate and post-graduate programmes.

A) Under-graduate Degree programme

- | | |
|-------------------------|------------------------------|
| 1) B.Sc. (Agri.) | 2) B.Sc. (Hort.) |
| 3) B.Sc. (For.) | 4) B.F.Sc. (Fisheries) |
| 5) B.Tech. (Agri.Engg.) | 6) B.Tech. (Food Technology) |
| 7) B.B.M. | 8) B.Sc. (Bio Technology) |

B) Post-graduate Degree programme

- | | |
|-------------------------|-----------------------|
| 1) M.Sc. (Agri.) | 2) M.Sc. (Hort.) |
| 3) M.Sc. (For.) | 4) M.F.Sc. |
| 5) M.Tech. (Agri.Engg.) | 6) M.Sc. (PHM) |
| 7) M.Sc. (Biotech) | 8) Ph.D.(Agri.) |
| 9) Ph.D. (Agri.Engg.) | 10) Ph.D. (Fisheries) |

2.1.1 Under-graduate/Post-graduate degree programme

During the report period, number of students admitted and passed out for various UG and PG programmes are as under.

Sr. No.	Degree Programme	Period (Years)	No. of students admitted 2016-17	No. of students passed out 2015-16
1	2	3	4	5
A)	Constituent Colleges			
1.	College of Agriculture, Dapoli			
	B.Sc. (Agri.)	4	139	138
	B.Sc. (Hort.)	4	33	32
	M.Sc. (Agri.)	2	63	55
	M.Sc. (Hort.)	2	16	16
	M.Sc. (Biotech)	2	4	02
	Ph.D. (Agri.)	3	16	07
2.	College of Forestry, Dapoli			
	B.Sc. (Forestry)	4	32	38
	M.Sc. (Forestry)	2	07	06



1	2	3	4	5
3.	College of Fisheries, Ratnagiri			
	B.F.Sc.(Fish.)	4	41	29
	M.F.Sc.(Fish.)	2	28	16
	Ph.D.(Fish)	3	03	-
4.	College of Agriculture Engg. & Tech. , Dapoli			
	B.Tech. (Agri. Engg.)	4	65	52
	M.Tech. (Agri. Engg.)	2	19	02
	Ph.D. (Agri. Engg.)	3	4	01
5.	P.G. Institute for Post Harvest Management, Roha			
	M.Sc.(PHM)	2	14	-
6.	College of Horticulture, Mulde, Dist. Sindhudurg			
	B.Sc.(Hort.)	4	58	-
B)	Recognised Private Affiliated Colleges			
1.	Govindraoji Nikam College of Agriculture, Mandki Palvan, Chiplun, Dist. Ratnagiri	4	120	118
2.	Budhajirao Mulik College of Agril Engg. & Tech., Mandki, Dist. Ratnagiri	4	58	65
3.	College of Agriculture, Saralgaon, Tal. Murbad, Dist. Thane	4	101	88
4.	Chatrapati Shivaji College of Agriculture, Kirlos, Dist. Sindhudurg	4	90	50
5.	Sharadchandraji Pawar College of Horticulture, Kharavate-Dahiwali, Tal. Chiplun, Dist. Ratnagiri	4	80	36
6.	Sharadchandraji Pawar College of Food Technology, Kharavate-Dahiwali, Tal. Chiplun, Dist. Ratnagiri	4	80	66
7.	Shri S.S. Patil, College of Agril. Marketing and Business Management, Rasayani, Panvel, Dist. Raigad	4	-	39
8.	Sharadchandraji Pawar College of Agriculture, Kharavate-Dahiwali, Tal. Chiplun, Dist. Ratnagiri	4	120	87
9.	College of Food Technology, Saralgaon, Dist. Thane	4	70	37
10.	College of Agril. Marketing and Business Management, Kirlos, Dist. Sindhudurg	4	38	22
11.	College of Agriculture, Sangulwadi, Dist. Sindhudurg	4	120	87



1	2	3	4	5
12.	Late. Rajaram Marathe College of Agriculture, Phondaghat, Dist. Sindhudurg	4	119	53
13.	Sharadchandraji Pawar College of Agril. Biotechnology, Kharavate-Dahiwali, Tal. Chiplun, Dist. Ratnagiri	4	40	21
14.	College of Agriculture, Achloli, Mahad, Dist. Raigad	4	60	-
15.	College of Agri. Bio-technology, Achloli, Mahad, Dist. Raigad	4	40	-
16.	College of Bio-technology, Saralgaon, Dist. Raigad	4	39	-
17.	College of Bio-technology, Sangulwaladi, Dist. Sindhudurg	4	40	-
18.	College of Food-technology, Sangulwaladi, Dist. Sindhudurg	4	40	-
19.	College of Agri. Food-technology, Achloli, Mahad, Dist. Raigad	4	40	-
20.	College of Agril Engg. & Tech. Sangulwaladi, Dist. Sindhudurg	4	39	-
21.	College of Horticulture, Sangulwaladi, Dist. Sindhudurg	4	33	-
22.	College of Agril Engg. & Tech., Saralgaon, Dist. Thane	4	40	-
23.	College of Horticulture, Saralgaon, Dist. Thane	4	39	-

2.1.2 Lower Agriculture Education

University imparts Lower Agricultural Education Programme through following Diploma and Certificate course.

- 1) Diploma in Agriculture Technique (Two Years)
- 2) Diploma in Agriculture Technology (Agriculture Polytechnic-Three Years)
- 3) Diploma in Fisheries Engineering (Three Years)
- 4) Gardening Technique Certificate Course (One Year)

Two years diploma in Agriculture Technique has been run by the two constituent and two affiliated schools. Government has upgraded two year diploma in Agriculture Technique run by private non-grant school into the three year diploma in Agriculture Technology. Since year 2013-14 three year diploma in Agriculture Technology has been started in thirty four non-granted private schools.

Students admitted and passed out from different educational programmes during the report period is as under.



2.1.2.1 Diploma in Agriculture Technique (Agri)

Sr. No.	Name of School	First Year (2016-17)	Second year (2016-17)	Second year passed out student (2015-16)
1	2	3	4	5
A) Constituents Schools				
1.	Agril. Tech. School, Lanja, Dist. Ratnagiri	34	35	26
2.	Agril. Tech. School, Roha, Dist. Raigad	27	56	45
B) Affiliated Schools				
1.	Agril. Tech. School, Kosbad Hill, Tal. Dahanu, Dist. Palghar	38	36	18
2.	Mahatma Gandhi Adivasi Janata Vidyalay, Kosabad Hill, Tal. Dahanu, Dist. Palghar	27	13	28
C) Private Schools				
1.	Agril. Tech. School, Sawarde, Tal. Chiplun Dist. Ratnagiri	24	08	-
2.	Agril. Tech. School, Sangurli, Tal. Panvel	09	-	-
3.	Agril. Tech. School, Asond, Tal. Dapoli, Dist. Ratnagiri	10	04	-

2.1.2.2 Diploma in Agriculture Technology (Agriculture Polytechnic)

Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C) Recognized Private Schools							
Thane District							
1.	Agriculture Polytechnic, Khanivali, Tal. Bhivandi, Dist. Thane.	47	40	47	26	26	10
2.	Keshav Srushti Agriculture Polytechnic, Bhaindar, Dist. Thane	43	49	33	5	5	10



Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C)	Recognized Private Schools						
	Thane District						
3.	Agriculture Polytechnic, Saralgaon, Tal. Murbad, Dist. Thane	53	40	36	13	16	11
4.	Shri Tisai Agriculture Polytechnic. School, Lenad, Tal. Shahapur, Dist. Thane	32	21	34	13	19	-
5.	Mandar Agriculture Polytechnic, Kolimb, Tal. Kalyan, Dist. Thane	60	44	32	10	22	27
6.	Sudam Agriculture Polytechnic, Kudawali, Tal. Murbad, Dist. Thane	--	--	--	9	9	16
7.	Agriculture Polytechnic, Asangaon, Tal. Dahanu, Dist. Palghar	60	65	44	26	9	2
8.	Agriculture Polytechnic, Wirewadi, Tal. Dahanu, Dist. Palghar	48	48	42	20	21	--
	Raigad District						
9.	Agriculture Polytechnic, Sangurli, Tal. Panvel, Dist. Raigad	--	10	16	3	--	1



Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C) Recognized Private Schools							
Raigad District							
10.	Motiram Jagtap Agriculture Polytechnic, Kokare, Tal. Mahad, Dist. Raigad	16	22	26	12	10	17
11.	Prof. C.R.Mhaske Agriculture Polytechnic, Ware, Tal. Karjat, Dist. Raigad	15	26	26	14	19	14
12.	Agriculture Polytechnic, Nandgaon Khurd, Tal. Mahad, Dist. Raigad	52	20	18	2	7	1
13.	Raigad Agriculture Polytechnic, Galsure, Tal. Shriwardhan, Dist. Raigad	59	23	33	11	27	4
14.	Ashokdada Sabale Agriculture Polytechnic, Mangaon, Dist. Raigad	--	--	--	3	12	1
Ratnagiri District							
15.	Agriculture Polytechnic, Khawati, Tal. Khed, Dist. Ratnagiri	27	12	29	5	22	--
16.	Agriculture Polytechnic, Sukiwali, Tal. Khed, Dist. Ratnagiri	7	10	9	4	10	1



Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C) Recognized Private Schools							
Ratnagiri District							
17.	Mahatma Phule Agriculture Polytechnic, Asond, Tal. Dapoli, Dist. Ratnagiri	--	--	4	--	4	1
18.	Agriculture Polytechnic, Deorukh (Matrumandir), Tal. Sangmeshwar, Dist. Ratnagiri	9	10	7	2	5	3
19.	Sharad Kelkar Agriculture Polytechnic, Mandki-Palwan, Tal. Chiplun, Dist. Ratnagiri	3	13	10	4	10	1
20.	D. G. Tatkare Agriculture Polytechnic, Kharawate-Dahiwali, Tal. Chiplun, Dist. Ratnagiri	18	21	17	14	17	6
21.	A.B. Agriculture Polytechnic, Shirgaon, Tal. Mandangad, Dist. Ratnagiri	9	10	6	9	5	-
22.	Agriculture Polytechnic, Sawarde, Tal. Chiplun, Dist. Ratnagiri	-	-	11	-	11	4



Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C) Recognized Private Schools							
Sindhudurg District							
23.	Agriculture Polytechnic, Sangulwadi, Tal. Vaibhavwadi, Dist. Sindhudurg	36	21	23	8	11	--
24.	Smt. Sumati Marathe Agriculture Polytechnic, Phondaghat, Tal. Kankawali, Dist. Sindhudurg	18	16	22	3	7	2
25.	Agriculture Polytechnic, Waliwande, Tal. Deogad, Dist. Sindhudurg	60	28	17	21	15	2
26.	Late Tatyasaheb Tawade Agriculture Polytechnic, Wadachapat, Tal. Malwan, Dist. Sindhudurg	30	5	12	6	12	4
27.	Agriculture Polytechnic, Digas, Tal. Kudal, Dist. Sindhudurg	8	4	13	3	15	-
28.	Agriculture Polytechnic, Zare Ambeli, Tal. Dodamarg, Dist. Sindhudurg	-	-	-	6	5	2
29.	Agriculture Polytechnic, Madkhol, Tal. Sawantwadi, Dist. Sindhudurg	19	17	20	13	19	-



Sr. No.	Name of School	Admitted Students (2016-17)			Passed out Student Academic Year (2015-16)		
		First Year	Second year	Third Year	First Year	Second year	Third Year
1	2	3	4	5	6	7	8
C) Recognized Private Schools							
Sindhudurg District							
30	Agriculture Polytechnic, Padlos, Tal. Sawantwadi, Dist. Sindhudurg	60	30	18	30	14	8
31.	Agriculture Polytechnic, Harkul budruk, Tal. Kankawali, Dist. Sindhudurg	28	9	7	5	5	-
32.	Shri Saraswati Agriculture Polytechnic, Tondavali, Tal. Kankawali, Dist. Sindhudurg	15	5	10	3	10	-

2.1.2.3 Diploma in Fisheries Engineering

Sr. No.	Name of School	First Year (2016-17)	Second year (2016-17)	Third year (2016-17)	Third Year Passed out Students
1	Diploma in Fisheries Engineering, Shirgaon, Dist Ratnagiri	21	25	23	14

2.1.2.4 Gardening Technique Certificate Course

Sr. No.	Gardening Technique Certificate course Center Name	Admitted Students (2016-17)	Passed out Students
1.	Gardening Technique Certificate Course, Dapoli (Constituent)	15	04
2.	Gardening Technique Certificate Course, Palghar, Dist. Palghar (Constituent)	04	02
Total		19	06



2.2 LIBRARY

2.2.1 University Library, Dapoli

The University library is located in Dapoli campus is enriched with books, periodicals, thesis and literature in Marathi, Hindi and English. The library started functioning in the year 1965 i.e. from the inception of the College of Agriculture, Dapoli. After the establishment of the University on 18th May, 1972, the college library was nurturing the needs of both the institutes i.e. College and the University. On 1st January 1986, it received the status of the University library. The Library Advisory Committee is constituted under the Chairmanship of one of the Directors of the University. The library fulfils the needs of the College of Agriculture, College of Horticulture, College of Agricultural Engineering & Technology and College of Forestry in Dapoli campus. The College of Horticulture, Mulde; Post Graduate Institute of Post Harvest Management, Roha; College of Fisheries, Ratnagiri, other research stations, Krishi Vigyan Kendra's and Agriculture Technology Schools maintain separate libraries at their respective headquarters. Even different departments of College of Agriculture, Dapoli maintain a small sectional library.

2.2.1.1 Infrastructure

The University library with a carpet area of 2652 Square meter is a magnificent two storeyed building, center staged on the hillock facing the entrance gate of the University campus. The building is constructed with the planning for anticipated needs and scope for future expansion. It is approachable within 5 minutes by walk from the hostels as well as offices of all the departments. Inside the building, the library has a big three tier stack room, three reading halls, spacious separate rooms for storing the books, back volumes of journals and volumes received as gratis and newspaper section, reprographic unit, night library section, cubicle section for P. G. students, acquisition-cum-office unit and issue counter.



2.2.1.2 Literature available in the University

Sr. No.	Types of literature	Number of holding
1.	Books	50214
2.	Periodicals subscribed	111
3.	Books / periodicals received on grants	1980
4.	Bound back volumes of periodicals	7957
5.	Thesis	6000
6.	Literature on and Marathi / Hindi / English	600
7.	Encyclopedias / Dictionaries / Gazetteers / Atlases etc.	700
8.	Newspapers	13
9.	Compact Disk	1412

2.2.1.3 Services and Facilities

Sr. No.	Services	Facilities
1.	Digital Library	Web OPAC
2.	Bibliography	Open access system
3.	Reference collection	Periodicals section
4.	Books lending	Cubical section reading unit for PG students
5.	Computer / printer / photocopy service	Section for competitive examination books
6.	Fax machine	Book banks for economically backward class and SC/ST students.
7.	Internet	Night library
8.	Document delivery service through CeRA	RFID system

2.2.1.4 Modernization of the University Library

- ◆ The University library automated with the Koha and SLIM 21 software. All the library house operations are managed by the SLIM and Koha integrated library management software.
- ◆ Installed & implementing Radio Frequency Identification system (RFID) in the library by upgrading available SLIM 21 as well as Koha integrated library management software.
- ◆ SMS altering service :- The users are alerting on issue of return of the document.
- ◆ The facility of online access for e-resources is available for students and staff for the university campus .
- ◆ Digitized M.Sc. and Ph.D. theses has been uploaded and accessible through Krishiprabha / Krishikosh university library Web OPAC.
- ◆ Wi-fi :- Wi-fi service provided in the library premises.



2.2.2 College of Agricultural Engineering and Technology, Dapoli

In the college campus, well established computerised library is available. In this library various books, competitive examination books, educational CDs, video cassettes, CAB abstracts, charts, BIS code, charts and theses are available for students and staff members. Internet and Wi-Fi facilities were provided to students and staff. The library is facilitated with latest configuration computers to utilize the electronic information like CerA, a CAB abstracts for improvement of academic and research programs. In the digital library Kiosk machine has been purchased for searching and browsing the books with touch screen facility. To make the system on line for 24 hours server has been purchased by the library. Air conditioners are installed to keep comfortable environment in the library.

2.2.3 College of Forestry, Dapoli

The College library is computerized by implementing e-Granthalaya software developed by NIC and freely available for Government libraries. Library consists 1411 copies including 3126 books on various forestry subjects, current subscription of 14 periodicals and bound volumes of several journals. Library also holds 66 educational DVDs, CABI database, 100 volume database of Journal of Bombay Natural History Society. Reprography facility is made available to students in the library.

In the reporting year, library was given a budget of Rs. 10 lakh and the same was used to procure 260 books, full historical database of Indian Forests, bookcases and other furniture, kiosk, air conditioning etc.

2.2.4 College of Fisheries, Ratnagiri

The existing book collection in the College library is strengthened due to the addition of new editions in the Fisheries Science and allied disciplines. The latest books, periodicals, online foreign journals and competitive books collection during the year 2016-17 having a total no. of 14800 helps to strengthen UG and PG academic programmes and improves the knowledge of the students, teachers and scientists. In the reporting year, funds allocated to the college library which was utilized for purchase of books, journals and for purchase of computers, scanners, printers. Also, the expenditure was spent on purchase of library glass door book cases, purchase of book trolley and book support and for installation of CCTV in the library.

2.3.6 Post Graduate Institute of Post-Harvest Management, Killa-Roha, Dist. Raigad.

The library facility is available in Institute Campus at Killa-Roha. There are books, reference books and other reading material of various academic subjects kept for the ready reference of the students and staff of the Institute. In the reporting year, Rs. 5.11 lakhs funds were allocated to the college library which was utilized for purchase of books. In the library. Also, the funds were utilized for purchases of cupboards, bookshelf, notice board and reading table etc..



2.3 Student's Welfare

2.3.1 Sports Activities

2.3.1.1 Inter-Collegiate Tournaments (Sportex)

The intercollegiate tournaments for Kabaddi, Kho-Kho and Volleyball, Athletics, Basketball and indoor games like Chess, Table Tennis and Badminton were organized by Students' Welfare Office of this University during 20th and 22nd October, 2016. Selection trails for Inter-college Wrestling and Athletics were held by the Students' Welfare Office. In this tournament, a total of 1500 players and 60 managers from 22 affiliated and 5 constituted colleges were participated. All the tournaments were conducted smoothly and majority of the students took an active part in various games.

2.3.1.2 Inter University Tournament

2.3.1.2.1 Kridamahotsav

During the year of report, the State Level Inter University Sports Tournaments, Kridamahotsav-2016-17 was organized by Vasantnao Naik Marathvada Krishi Vidyapeeth, Parbhani during 27th November to 1st December 2016. The teams represented in 5 games of Basketball, Kabaddi, Kho-kho, Volleyball and Athletics. A total of 113 students and 10 Team Managers participated in the said tournaments.

2.3.1.2.2 Inter- university West Zone wrestling competition

It was held at Sirsa (Haryana) from 25th to 27th February, 2017. University team of 6 students & 1 Team Manager participated in the said event.

2.3.1.3 All India Inter-Agricultural Universities Meet - 2016-2017 (ICAR SPORTS MEET)

During the year of report, an All India Inter Agril. University's Games and Sports Meet was organized by CCS Haryana Agricultural University, Hisar - 125004 (Haryana) from 25th to 29th March, 2017. A team of 40 players and 4 Team Managers participated in the different events. University team participated in Volleyball and Football won gold medals while Kabaddi (Men) team won Silver medal. In individual events, Miss. Poonam Khambe won Silver Medal in long jump & Bronze Medal in 100 mtr. Run while in Javelin Throw, Miss. Vrushali Khambe won Silver Medal as Athletic events.

2.3.2 Co-Curricular Activities

2.3.2.1 Mayurpankh

The inter-collegiate cultural competition 'Mayurpankh' was organized by Kai Rajaram Marathe College of Agriculture, Phondaghat from 23rd and 25th September 2016. In this Youth Festival, a total of 707 participants from 27 constituent and affiliated colleges participated in various events like Music, Dance, Theatre, Literary & Fine Art events as a part



of the competition. In this cultural competition, College of Agriculture, Dapoli was the winner team while Shradchandraji Pawar College of Horticulture, Kharawate-Dahiwali was the runner-up team. This event was held for the selection of the university teams to participate in Inter-University competition.

2.3.2.2 Indradhanushya

The 14th Maharashtra State Inter-University Cultural Youth Festival 2016-17 “Indradhanushya” was organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad during 5th to 9th November 2016. The university team of 35 artists, 2 team managers, 1 Accompanist along with the Directorate of Sports and Co-curricular Activities participated in this festival. In Literary event-Quiz, the university team got 3rd rank at state level.

2.3.2.3 AGRUNIFEST

All India Inter Agricultural University's Youth Festival 2016-17 “AGRUNIFEST” was organized by Rajasthan University of Veterinary and Animal Sciences, Bikaner (Rajasthan) during 22nd to 25th February, 2017. The university team of 24 artists (13 boys and 11 girls) participated in this festival received 1st rank in Skit as a Theatre event while 3rd rank in Group Song as a music event.

2.3.3 Research Festival

2.3.3.1 Inter-collegiate Avishkar

This Research Festival for the year 2016-17 was organized at College of Fisheries, Shirgaon, Ratnagiri from 30th to 31st Dec. 2016. Total 33 participants from 11 Colleges displayed 33 Research Projects. Some selected research projects were sent for representing the university in Inter-University Competition.

2.3.3.2 The 11th Inter-University Avishkar

The 11th Inter-University Avishkar 2016-17 was held at Swami Ramanand Theerth Marathwada University, Nanded from 24th to 26th Jan. 2017. The university was represented by 11 students in this Inter-University Research Festival. Akshaya Mayekar, a student of College of Fisheries, Ratnagiri received 2nd place for the project presented by her at state level.

2.3.4 Disaster Management Training Programme (AVHAN)

Avhan, a training programme for disaster management for the year 2016-17 was conducted by Savitribai Phule Pune Vidyapeeth, Pune from 5th June to 14th June 2016. This university utilized all the 8 vacancies (6 boys and 2 girls) earmarked for the participation. These trained students will form a part of the Chancellor's Brigade which will render help in case of any natural calamity in the nearby place.





3. RESEARCH



3.1 Climate and Crop condition

The jurisdiction of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli encompasses, from 15^o.37' to 20^o.20' North latitude and 70^o.7' to 74^o.13' East longitude, spread over districts viz., Palghar, Thane, Raigad, , Ratnagiri, Sindhudurg and Greater Mumbai. There are two agro climatic zones viz., North Konkan coastal zone comprising the districts viz., Palghar, Thane, Raigad and Greater Mumbai and South Konkan Coastal Zone comprising the districts viz., Ratnagiri and Sindhudurg. The region has a hilly terrain and a long seacoast of 720 km. It receives heavy rainfall ranging from 2000 to 4000 mm mostly between the months of June to September. The climate is warm and humid almost throughout the year. The lateritic soil from Ratnagiri and Sindhudurg districts is acidic, low in fertility having low moisture retention capacity whereas medium black soil from Thane and Raigad districts is comparatively better in fertility and having more moisture retention capacity. Rice is the main crop of North Konkan Coastal Zone and as such rice based cropping system is prevailing in this region where as the fruit crops are dominating in South Konkan Coastal Zone and hence the horticulture based cropping system is followed in the South Konkan region.

3.1.1 Rainfall

The districtwise rainfall received in Konkan region of Maharashtra during June to October, 2016 is presented in Table 1.

Table 1 : Districtwise Rainfall (Received during 2015) in Konkan region of Maharashtra

Sl. No	Districts	Monthly rainfall (mm)					Total Rainfall (mm)
		June, 2016	July, 2016	August, 2016	September 2016	October, 2016	
I) North Konkan Coastal Zone							
1.	Thane	298.2	1137.6	761.1	423.4	53.7	2674.0
2.	Raigad	583.0	1209.8	880.4	689.9	119.5	3482.6
3.	Palghar	435.9	1142.7	829.6	565.6	101.2	3075.0
II) South Konkan Coastal Zone							
3.	Ratnagiri	858.7	1638.3	902.2	663.2	107.1	4169.5
4.	Sindhudurg	959.2	1295.6	623.5	425.5	98.3	3402.1
Average		627.0	1284.8	799.4	553.5	96.0	3360.6
Normal		652.9	1154.7	741.7	374.7	114.7	3038.7
Percent increased / decreased		(-) 4.0	11.3	7.8	47.7	(-) 16.4	10.6



3.1.2 Rainfall Distribution of South Konkan Coastal Zone

In Konkan region of Maharashtra, during the year 2016, monsoon commenced during 24th Meteorological week (11/06/2016 to 17/06/2016) and withdrawal was during 41th meteorological week (08/10/2016 to 14/10/2016). The total rainfall received was 3360.6 mm which was (-) 35.93 per cent deficient than the normal rainfall of 3038.7. During June, 2016 and July, 2016 Konkan region received 3038.7 per cent higher and -52.94 per cent deficient rainfall, respectively. Whereas, during August and September, 2016, (-) 53.10 per cent deficient and (-) 37.21 per cent less rainfall as compared to normal. The North Konkan Coastal Zone *i.e.* Palghar Thane and Raigad districts received 6.20, 10.57 and 19.60 per cent deficient rainfall, respectively during the year 2016 as compared to normal rainfall, whereas the South Konkan Coastal Zone *i.e.* Ratnagiri and Sindhudurg district received 18.76 and 2.17 per cent deficient rainfall than normal during the year 2016.

3.1.3 Crop Condition

Rice crop was sown during 23rd Met week. Immediately after sowing of rice, Konkan region experienced light rainfall which was favourable for germination of seeds and emergence of rice and finger millet seedling. High relative humidity and low bright sunshine were recorded from 23rd MW up to 35th MW. High bright sunshine was recorded on 36th and 39th MW. No rainfall was recorded on 36th and 39th MW while heavy rainfall (64.5 to 124.4 mm) was recorded during 25th MW.

During 28th MW to 30th MW rainfall was very less which affected rice and finger millet crop nursery, scorching effect was observed an upland rice nursery. During this period farmers' were advised to apply protective irrigation for rice & finger millet nursery. Overall the transplanting period of paddy was delayed in the region due to uneven distribution of rainfall. Rainfall received during tillering stage to panicle initiation stage *i.e.* 33rd to 35th MW and 36th to 39th MW was less. Hence, there was a little effect on tillering and panicle initiation of paddy. Continuous high humidity and low sunshine hours during the July and mid-August, 2016 affected the photosynthetic efficiency of the rice crop. But overall the growth of paddy was satisfactory in the region. The transplanting of Nagli crop was completed in the 2nd fortnight of July. The sowing of Groundnut was completed between 26th and 28th MW. In case of fruit crops, sudden increase in temperatures during the first fortnight of March, 2016 resulted into immature fruit drop in mango. Overall, the crop condition during the kharif season was observed to be good.



3.1.4 Pest and Diseases

The incidence of pests of the rice i.e, Blue beetle, Rice leaf folder, Brown plant hoppers, Green leaf hoppers, Army worm, Rice grasshoppers, Crabs and diseases like Blast was observed during the period but the damage was below ETL.

In case of Mango incidence of hopper was observed from month of October to December 2016. Maximum number of mango trees showed profuse flowering from 3rd MW (15.01.2017) to 7th MW (18.02.2017). The incidence of pests viz. midge fly, thrips, shoot borer, leaf eating semiloopers, leaf miners etc. and diseases like powdery mildew, anthracnose on leaves and fruits, dieback etc. were observed on the mango trees.

In cashew crop the incidence of Tea mosquito bug, thrips, leaf miner, cashew stem and root borer, leaf webber etc. and diseases like dieback, gumosis was observed on cashew crop.

In rabi-hot weather season i.e. November onwards, incidence of hopper, aphids and thrips in vegetable nursery viz., brinjal, tomato, cabbage, chilli, knol knol etc. was observed.

3.2 Research Recommendations

3.2.1 Crop varieties developed by the University

1) Rice : Ratnagiri-6

- ◆ Semi dwarf in height (100 to 110 cm).
- ◆ Midlate in duration (118 to 125 days).
- ◆ Medium slender grain type.
- ◆ Resistant to stem borer, leaf folder and moderately resistant to gall midge.
- ◆ Higher milling percentage (70.30%).
- ◆ High head rice recovery percentage (66.19%).
- ◆ Average yield of 4.5 t/ha.

2) Rice : Ratnagiri-7 (Red Rice)

- ◆ Semi dwarf in height (100 to 110 cm).
- ◆ Midlate in duration (122 to 125 days).
- ◆ Short bold grain type.
- ◆ Higher milling percentage (64.17%).
- ◆ High head rice recovery percentage (60.65%).
- ◆ Average yield of 4.5 to 5.0 t/ha.



3) Rice : Karjat-10

Karjat-10, a medium dwarf, fine variety is newly developed by university. The duration of this variety is 140 to 145 days with average yield about of 50 to 52 q/ha. This variety is recommended for Konkan region as well as other parts of Maharashtra state.

4) Groundnut : Konkan Bhuratna

- ◆ Dwarf in height (25 to 30 cm)
- ◆ Medium duration (115 to 120 days)
- ◆ Medium bold grain (100 kernel weight 45 to 50 g)
- ◆ Shelling percentage
 - Kharif 73.5 to 76.0% &
 - Rabi 70.2 to 76.3%
- ◆ It is having 26 days Fresh seed dormancy
- ◆ 50.01 % oil content and 23.44 % Protein content
- ◆ Resistant to early and late leaf spot, rust, PBND and alternaria leaf blight diseases
- ◆ Resistant to thrips, jassids, leaf miner and defoliator insect and pests.
- ◆ Average yield of 25 to 30 q/ha.

5) Brinjal : Konkan Prabha

It is recommended to release the high yielding variety 'Konkan Prabha' (DPLBr-3) of Brinjal for cultivation in Konkan region during Rabi season.

6) Tomato : Konkan Vijay

It is recommended to release the high yielding variety 'Konkan Vijay' (DPLTo – 5) of Tomato for cultivation in Konkan region during rabi season.

Farm implement developed by the university

1) Power Operated Coconut Dehusker

Dr. BSKKV developed Motor operated (1 H.P.) coconut dehusker is recommended for coconut dehusking

2) Cranking type Paddy transplanter

Dr. DBSKKV developed women friendly manually operated (cranking type) paddy transplanter is recommended for transplanting of root washed paddy seedlings.



3.2.2 Recommendations based on crop production technologies

A) Natural Resource Management

Soil Fertility and Crop Nutrition Management

1. Groundnut sown at 30 X 15 cm (plant population @ 2.22 lakhs ha⁻¹) planting geometry with 125% RDF (31.25 kg N + 62.5 kg P₂O₅ ha⁻¹) is recommended to obtain higher production and profitability from rabi summer groundnut under lateritic soils of Konkan.
2. In lateritic soils of Konkan region for obtaining higher yield and net returns from sugarcane, it should be grown by paired row planting on ridges and furrows with drip irrigation by using single bud setting raised in soil + FYM in 1:1 proportion and should be fertilized with recommended dose of fertilizers (250:125:125 NPK/ha through straight fertilizers).
3. In lateritic soil of south konkan coastal zone it is recommended to grow direct seeded rice by adopting conservation tillage on flat bed system along with the use of Konkan Annapurna Briquettes in combination with soil application of zinc sulphate and copper sulphate @ 175 kg ha⁻¹ @ 25 kg ha⁻¹ and @ 5 kg ha⁻¹ respectively for obtaining higher yield and net returns.
4. In North Konkan Coastal Zone of Maharashtra, to get higher yields and economic returns by sustaining soil fertility and productivity, application of 50 per cent RDF as inorganics and 50 per cent RDN through FYM to 'Rice – Sweet corn' cropping system is recommended.
5. The full package of practice i.e. FYM @ 7.5 t ha⁻¹, 25:50:0 NPK kg ha⁻¹, plant protection (monocrotophos 36 EC, quinalphos 25 EC, carbendazim + mancozeb) and weeding (pre emergence application of pendimethalin combined with one hand weeding at 30-35 DAS) is recommended under optimum resource availability for obtaining higher productivity and profit from Rabi groundnut under lateritic soils of Konkan. However, under resource constraints first preference should be given to weed management followed by fertilizer management and plant protection measures, respectively.
6. For getting higher yield of cashewnut, it is recommended to apply two sprays of 0.1% CuSO₄ + 0.05% lime, one at flowering and one at fruit set to the crop along with recommended dose of fertilizer under Konkan condition.



Micro Nutrient

1. It is recommended to apply 150 % RDN along with 4 kg B ha⁻¹ through Konkan Annpurna Briquettes (KAB) to reduce the arecanut cracking and to get maximum yield of arecanut in Konkan region.

Horticultural crops

1. For obtaining higher production, profit and better water use efficiency with saving of 25% water under lateritic soils of Konkan, groundnut crop should be grown under transparent polythene mulch (7 micron thickness) with application of hydrogel @ 5.0 kg ha⁻¹ and use of integrated nutrient management (7.5 t ha⁻¹ FYM + RDF 25:50 N:P kg ha⁻¹) is recommended.

Weed Management

1. It is recommended to apply herbicide Pretilachlor 30.70 EC @ 0.50 kg a.i. per ha mixed with urea before sowing of sprouted rice seed (rahu) during kharif season to achieve higher returns under medium black soil of North Konkan

Integrated Farming System

1. The different farming components such as crops [rice (0.50 ha.), vegetables (0.27 ha.)], Horticulture crops [Coconut (0.15 ha.), Sapota (0.03) and Spices (0.01) on bund], livestock [Fish pond (0.2035 ha.) and Poultry (0.0035 ha.)] and complementary [Vermicompost (0.0040 ha.), Kitchen garden (0.0028 ha,)] are recommended in IFS model of north Konkan coastal saline soils. B:C ratio increases if size of pond is increased in IFS
2. In North Konkan Coastal Zone of Maharashtra, Rice-rice cropping system should be supplied with recommended dose of N, P₂O₅ and K₂O along with Zinc (Kharif- 120:50:50:6 and Rabi- 100:50:50:0 kg ha⁻¹) to obtain higher yield and economic returns.
3. In Konkan region it is recommended that, for obtaining higher yield and net returns, suru sugarcane be planted in paired rows at 60 cm X 60 cm - 120 cm and intercropped with two rows of sweet corn at 45 cm spacing between paired row.
4. In North Konkan Coastal Zone, to get higher yields and economic returns, it is recommended to grow 'Rice – Brinjal' and 'Rice – Sweet corn' systems under minimum tillage along with the application of 125 per cent RDF to both the systems and application of rice straw @ 3 t ha⁻¹ to Brinjal and Sweet corn, so as to counteract adverse effects of climate change through resource conservation.
5. In North Konkan Coastal Zone of Maharashtra, Rice-Fodder maize and Rice-Berseem food-Fodder cropping sequences are recommended for obtaining higher yield and economic returns.



Forestry and Agroforestry

1. Under Agroforestry system, *Acacia mangium*, *Gliricidia sepium*, *Pterocarpus marsupium* and *Acacia catechu* are recommended for building up soil fertility and to be planted as a source of nutrients in lateritic soils of Konkan Region.

Integrated Farming System

For North Konkan Coastal Zone of Maharashtra, Crop + Dairy farming system is recommended. For obtaining maximum net returns, rice – cluster bean cropping should be followed. The dairy component should consist of 1 buffalo or 2 cows in addition to 1 goat and two poultry birds. The interventions like forage crop, mineral mixture, vermicompost and value addition of grain and milk are necessary. The farmers' training on crop and livestock management are also essential.

B) Horticulture

Guava

1. It is recommended to cultivate the improved variety 'Sardar' of guava in the Konkan region of Maharashtra.

Ginger

2. For getting the maximum yield and returns, it is recommended to use the pro-tray seedlings method for cultivation of ginger in Konkan region.

Bush Black pepper

3. It is recommended to plant bush pepper propagated by cuttings at the spacing of 1.0 m x 1.0 m in 50 % green shade net for getting higher yield under Konkan agro-climatic condition.

Coconut

4. For getting the higher yield and returns in coconut based cropping system, it is recommended to cultivate lily flower crop as an intercrop under Konkan agro-climatic condition.

Jasmine

5. Pruning of Indian Jasmine (Kagda) at 75 cm height from ground level during first fortnight of June is recommended for higher flower yield and net returns under North Konkan region.

Golden Champak

6. Planting of Golden Champaca cv. *Soundarya* for getting higher flower yield and net returns in North Konkan Coastal Zone.

Cashew

7. It is recommended to grow 'elephant foot yam' or 'greater yam' as an intercrop in well grown cashew nut plantation for getting the higher returns during kharif season in Konkan region.



C) Animal and Fisheries Science

1. It is recommended to supplement 0.5 per cent turmeric powder for better growth, dressing percentage, meat quality and economical returns in broilers.
2. It is recommended to reduce the existing fishing efforts by 34% to exploit the Kiddy Prawn at sustainable level ($E=0.5$) from Alibag coast, while the fishing efforts are to be maintained at present level of exploitation along the coasts of Ratnagiri ($E=0.53$) and Mumbai ($E=0.46$).
3. It is recommended to use 9 ppm clove oil (diluted in 1:9 ratio clove oil:ethanol) to transport 30 g of *Siganus canaliculatus* seed per lit for 12 hours.

D) Basic Sciences, Food Science and Technology

Food science and Technology

1. Finger Millet based Low Glycemic Index nutritious mix can be prepared as per the procedure developed by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli.

Post Harvest Management

2. It is recommended to prepare RTS from processed ripe Alphonso mango pulp by the method developed by Dr. B.S. Konkan Krishi Vidyapeeth, Dapoli

Plant Physiology

3. Rice varieties viz, Karjat-7, Karjat-3, Palghar-2, Karjat-2, Karjat-8, Palghar-1 and Karjat-6 developed by Dr.BSKKV, Dapoli found to be resilient rice varieties for giving stable yield under low light stress conditions of kharif season in Konkan.

Plant Protection

1. The insecticide Acephate 75 SP @ 12.5 gm per 10 lit of water is recommended for the management of rice stem borer. The application should be given, when the pest reaches ETL.

E) Agril. Engineering

Soil and Water Conservation Engineering

1. It is recommended that, for stability and economic viability of Cement Nala Bund, Earthen Nala Bund and all other similar structures, the personnel from agricultural engineering background should be involved for designing and execution of the work.

Electrical and Other Energy Sources Engineering

2. Dr. B.S.K.K.V. Developed Pico-hydroelectric power generator using 9 m head and diverted flow through 14 cm diameter pipe having jet of 1 cm is recommended for 39 watt power generation.
3. Dr. B. S. K. K. V., Dapoli developed single axis automatic solar tracking mechanism is recommended to increase output of solar photovoltaic panel.



Soil and Water Conservation Engineering

4. Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli developed a grey water filter of 2.0 m (20 per cent freeboard) net depth is recommended for irrigation gardens / ornamental plants.
5. It is recommended to cultivate the strawberry var. Sweet Charlie on lateritic soils of Konkan region with 25 micron silver plastic mulching using inline drip (16mm ϕ , 0.3 m spacing, 4 lph) irrigation system with 321 mm total irrigation depth to get maximum monetary benefits (B:C ratio).
6. It is recommended to get the maximum productivity and net benefit (B:C ratio) from white onion var. Alibag local on lateritic soils of Konkan region with total 345.1 mm water (1 Etc level) using inline drip (16 mm ϕ , 0.3 m spacing, 4 lph discharge) irrigation system and four splits per irrigation (30 minutes irrigation interval).

F) Social Sciences

Extension Education

1. Dr. balasaheb Sawant Konkn krishi Vidyapeeth, Dapoli in collaboration with the Department of Agriculture should organize Block Demonstrations of DBSKKV's varieties in Konkan region. Seed production programme should also be undertaken on large scale to ensure timely and needy supply of rice seed to the farmers. Special workshop be organized for owners of Krishi Seva Kendra to make them aware about rice varieties of DBSKKV, Dapoli.

Agricultural Economics

1. It is recommended that farmers in the South Konkan region be motivated through extension agencies for increasing area under turmeric crop for additional income and employment generation. There was additional net income of Rs.1943/- per quintal when turmeric powder was sold in the market as compared to dry rhizomes. Therefore, it is recommended to sell the turmeric in powder form rather than selling in raw form.
2. It is recommended that the farmers of Alibag taluka be trained by the extension agencies for adopting improved practices for local white onion cultivation and storage methods.
3. It is recommended to develop harvester for harvesting Aonla fruits for minimizing economic losses to Aonla growers by the University. It is recommended to train growers regarding Aonla production technologies through demonstrations.
4. It is recommended to impart training to banana growers for adoption of modern cultivation practices to increase productivity and profitability through demonstrations in South Konkan region.





4. EXTENSION EDUCATION



A separate Directorate was established at the University headquarters during 1981 to undertake the work of Extension Education. The Directorate is headed by Director of Extension Education. He is assisted by one Extension Agronomist and two Subject Matter Specialists, one from Fisheries science and another from Agril. Entomology discipline.

Similarly, with the financial assistance from the ICAR, New Delhi, Agriculture Technology Information Centre has been established at the headquarter during 1999. The Centre is headed by Manager and he is supported by Jr. Research Assistants, Sr. Artist and Photographer. The Centre works on single window system wherein, an access to the technologies generated by the University is made available to the visitors; technical guidance is made available to the needy farmers, and the technology products of the University are made available for purchase. On similar lines the University has started mini ATIC at the holy place 'Ganapatipule' in Ratnagiri tahsil. This unit is managed by an Agriculture Assistant.

ICAR, New Delhi has also sanctioned two Krishi Vigyan Kendras to the University, one at Deodhe-Lanja (Ratnagiri) and another at Killa-Roha (Raigad) each one is headed by Programme Coordinator and supported by different Subject Matter Specialists and Programme Assistants. These KVKs are engaged in conducting of OFTs, FLDs for technology dissemination. They also conduct vocational training classes for farmers, farm women and rural youth to improve their competency and in-service training to Government officials. Additional two KVKs, one at Kosbad hill (Thane) and another at Kirlos (Sindhudurg) managed by NGOs are also affiliated to the University.

Apart from this, all the four faculties of the University organize extension education programmes. Under the faculty of Agriculture, College of Agriculture, Dapoli has formed College Development Block. Extension Training Officer under the guidance of Head, Department of Extension Education undertakes extension activities in the Block. He is assisted by Agriculture Assistants. Extension programmes in Fisheries faculty are organized by Department of Fisheries Extension under the guidance of Associate Dean, College of Fisheries. Similarly, extension activities under Agricultural Engineering faculty are organized under the guidance of Associate Dean of the College. In addition to this, Scientist Extension Education at Regional Agricultural Research Station, Karjat and Extension Education Officer working at Regional Fruit Research Station, Vengurle are looking after extension activities of respective region.



4.1 Monthly District Workshops

In all 21 Monthly District Workshops for Ratnagiri, Raigad, Sindhudurg and Palghar districts were organized during the reporting year.

4.2 Diagnostic team visits

Diagnostic team of the University visited 118 villages from five districts of Konkan region and provided consultancy as per the problems in the field condition.

4.3 Training Programmes

4.3.1 Refresher Trainings for Govt. Officials

In all 19 training programmes were organized for the Government officials and field functionaries from Department of Agriculture, Govt. of Maharashtra by the Directorate of Extension Education. These programmes were attended by 849 officials and field functionaries from Konkan region.

4.3.2 Vocational trainings

A total 20 vocational training programmes on different agriculture and allied subjects were organized. Total 765 farmers had taken advantage of these programmes.

4.3.3 Farmers' Trainings

The Directorate of Extension Education with the help of different research stations, KVKs and Constituent Colleges organised 168 training programmes along with demonstrations which were beneficial for 5043 farmers.

4.4 Farmers' Rallies

On the basis of location specific problems, needs and new technology developed by the University 48 farmers' rallies were organized in the region. These rallies were attended by 6769 farmers, farm women and rural youth.

4.5 Farmers-Scientist Forum

The University has established crop wise Farmers-Scientists Forums for effective and speedy transfer of technology. In all 17 meetings of the forums were arranged during the year to solve the location specific problems and to organize need based extension activities.

4.6 Engineers Day

On the occasion of Birth Anniversary (15th September) of the great Scientist Bharat Ratna Sir Visvesarraiah, Engineers Day was organized by College of Agricultural Engineering and Technology, Dapoli. All the Heads, professors and staff of the university attended this programme

4.7 Group Discussion

In all, 55 group discussions benefiting 1034 farmers from the region were arranged during the reporting year.



4.8 Method Demonstration

During the year under report, 759 method demonstrations of improved technology were arranged on the farmers' fields by KVKs, research stations, and Colleges. This activity benefitted 4199 farmers.

4.9 Front Line Demonstrations

During the reporting period, for speedy transfer of technology and adoption by the farmers 184 Front Line Demonstrations of new and improved varieties of cereals, oilseeds, pulses, etc. and also demonstrations of new tools and implements were arranged. Impact of these demonstrations shown during field day programmes.

4.10 Workshops

In all 22 online workshops were organized in konkan region during the reporting year which were benefitted by 348 scientist and officers.

4.11 CROPSAP and HORTSAP training Programme

Under the state sponsored CROPSAP project on rice the University and Department of Agriculture, Govt. of Maharashtra jointly organized on 11 to 13 July for 92 trainees.

4.12 MAGOVA Programme

On the occasion of the University Foundation day 18th May, 2016 online photographic exhibition of various research and extension programmes conducted during previous year was organized in the University.

4.13 Shat pratishat Bhat Lagwad Abhiyan

This programme was organized at Kudavale village of Dapoli tehsil. Under this programme 1924 Kg. seeds of Ratnagiri-6, Ratnagiri-7, Ratnagiri-8 were distributed to 93 farmers. In this programme Preevi Agro, UPL, Bayer companies were participated. Four point paddy cultivation, raised bed, pest and disease management, field day were organized.

4.14 Publicity of the University programmes

Wide publicity was given to the events like farmers rallies, conferences, workshops, group discussions, agriculture exhibitions and other programmes organized by various research stations, KVKs, and Colleges through mass media.

4.15 Tree Planting Programme

University has undertaken participation tree plantation programme on all the research stations and KVKs.



4.19 Dignitaries visited the University

- ◆ Hon. Dr.Ramchandra Gaikwad, Principal Nanded College
- ◆ Hon. Dr.Ram Kharche, Vice-Precedent MCAER Pune.
- ◆ Hon. Dr.K.P.Viswanatha, Vice-Chancellor, MPKV, Rahuri
- ◆ Hon. Dr. R.G.Dani, Vice-Chancellor, PDKV,Akola
- ◆ Hon. Shri. Narndra Rane, Chairman Siddhivinayak trust, Mumbai
- ◆ Hon. Shri.Aniruddh Makhachi, Managening Director, Premji Nyas Thane
- ◆ Hon. Dr.S.S.Magar, Ex-Vice-Chancellor,BSKKV,Dapoli
- ◆ Hon. Dr.V.V.Mehta, Ex-Vice-Chancellor,BSKKV,Dapoli
- ◆ Hon. Smt Shehal Manghare, Corporator BMC, Mumbai
- ◆ Dr. K.E.Lawande, Ex-Vice-Chancellor,BSKKV,Dapoli
- ◆ Dr.R.B.Deshmukh, Ex-Vice-Chancellor,MPKV, Rahuri
- ◆ Hon. C.Vidyasagar Rao, His Excellency Governer of Maharashtra
- ◆ Hon. Shri. Pandurangji Fundkar, Agrculture Minister, Maharashtra
- ◆ Hon.Shri. Pradip P,Colletor Ratnagiri State
- ◆ Hon.Shri Laxminarayan Mishra, CEO Ratnagiri
- ◆ Dr. U.S.Sharma, Ex-Vice-Chancellor,Udaypur
- ◆ Dr.J.S.Bhatiya EX-ADG, ICAR, New-Delhi
- ◆ Dr. K.V.Prabhu, ICAR, New- Delhi
- ◆ Dr. Nidhi Varma, New Delhi
- ◆ Dr.B.N.Ganguli, Ex- forest Officer, Manila



5. UNIVERSITY ADMINISTRATION

5.1 University Officers

As per Maharashtra Agricultural Universities Act, 1983 (14) and Statute, 1990 following are the Executive, Academic and Other Officers of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli during the year 2016-17.

A) Executive Officers

- | | | |
|--------------------|----|---|
| 1) Chancellor | :- | Hon.ble. C. Vidyasagar Rao, Governor of Maharashtra |
| 2) Pro-Chancellor | :- | Hon.ble. Shri. Pandurang Phundkar, Agriculture Minister |
| 3) Vice-Chancellor | :- | Hon.ble. Dr. Tapas Bhattacharya (from 6/11/2015) |

B) Academic Officers

- | | | |
|---|----|--|
| 1) Director of Instruction & Dean (Agri.) | :- | Dr. R. G. Burte
(Additional charge/11 Monthly appointment) |
| 2) Director of Research | :- | Dr. U. V. Mahadkar
(Additional charge/11 Monthly appointment) |
| 3) Director of Extension Education | :- | Dr. S. G. Bhawe
(Additional charge/11 Monthly appointment) |
| 4) Associate Dean, College of Agriculture, Dapoli | :- | Dr. S. A. Chavan
(Additional charge) |
| 5) Associate Dean, C.A.E.T., Dapoli (Additional Charge) | :- | Dr. N. J. Thakor
(Additional charge/11 Monthly appointment)
(Retired on 28/02/2017)
Prof. D. M. Mahale
(Additional Charge from 01/03/2017) |
| 6) Associate Dean, College of Fisheries, Shirgaon, Ratnagiri. | :- | Dr. R. Pai
(Additional charge) |

C) Heads of the Departments and Scientists

- | | | |
|--|----|---|
| 1) Head, Deptt. of Agril.Chem & Soil Science | :- | Dr. S. S. Prabhudesai (Additional charge) |
| 2) Head, Deptt. of Horticulture. | :- | Dr. P.M. Haldankar (Additional charge/ 11 Monthly order from 16/10/2016 to 27/11/2016)
Dr. B.R. Salvi
(Additional charge from 28/11/2016) |
| 3) Head, Deptt. of Plant Pathology. | :- | Dr. V. S. Pande (Additional charge) |
| 4) Head, Deptt. of Agril.Engineering. | :- | Shri. U. S. Kadam (Additional charge) |
| 5) Head, Deptt. of Agril.Extension. | :- | Dr. P. A. Sawant (Additional charge) |
| 6) Head, Deptt. of Agril.Entomology. | :- | Dr.A. L. Narangalkar (Additional charge upto 16/10/2016 and from 17/10/2016 regular) |
| 7) Head, Deptt. of Agril.Economics. | :- | Dr. J. M. Talathi (Additional charge) |



- 8) Head, Deptt. of Ani.Hus.& Dairy Science :- Dr. B. G. Desai (Additional charge from 19/08/2015 to 18/07/2016)
Dr. R. G. Burte (from 19/07/2016 to 14/10/2016)
Dr. B. G. Desai (Additional charge from 15/10/2016 to 18/11/2016)
Dr. R. G. Burte (from 19/11/2016)
- 9) Head, Deptt. of Agronomy :- Dr. S. A. Chavan (Additional charge from 19/8/2015 to 18/07/2016)
Dr. U. V. Mahadkar (19/07/2016 to 14/10/2016)
Dr. S. A. Chavan (Additional charge from 15/10/2016 to 18/11/2016)
Dr. U. V. Mahadkar (from 19/11/2016)
- 10) Head, Deptt. of Agril. Botany :- Dr. B. L. Thaware (Additional charge from 18/08/2015 to 18/07/2016)
Dr. S. G. Bhawe (from 19/07/2016 to 14/10/2016)
Dr. B. L. Thaware (Additional charge from 15/10/2016 to 18/11/2016)
Dr. S. G. Bhawe (from 19/11/2016)
- 11) Associate Director of Research, R.A.R.S., Karjat :- Dr. L. S. Chavan (Additional charge)
- 12) Associate Director of Research, R.F.R.S., Vengurla :- Dr. P. C. Haldavanekar (Additional charge)

D) Other Officers

- 1) Registrar :- Shri. J. V. Deshpande (Additional charge from 2/1/2016)
- 2) Comptroller :- Shri. A. S. Pawar (Addl Charge from 1/3/2016)
- 3) University Engineer :- Shri. V. D. Koli (upto 30/4/2016)
Shri R. A. Dhanwade (Additional charge from 01/05/2016 to 02/09/2016)
Shri R. P. Dhumale (from 03/09/2016)
- 4) Student's Welfare Officer :- Shri. N. A. Wagale
- 5) Deputy Registrar (Exam) :- Shri. P. A. Yadav
- 6) Assistant Librarian :- Shri. D. B. Khupte (from 10/7/2015)
- 7) Assistant Registrar (Admn-I) :- Shri. A. S. Pawar (upto 30/06/2016)
Shri- U. B. Gimhavanekar (from 01/07/2016)
- 8) Assistant Registrar (II) :- Shri. H. S. Kamat (Additional charge from 1/3/2016)
- 9) Assistant Comptroller (I) :- Smt. D. D. Samant (Additional charge from 1/3/2016 to 18/05/2016)
Shri. S. P. Dusane (from 19/05/2016)



10) Assistant Comptroller (II)	:- Shri. U. B. Gimhavanekar (Additional charge upto 18/05/2016 and 19/05/2016 to 30/06/2016 regular) Shri. A. S. Pawar (from 01/07/2016)
11) Pay & Accounts Officer (I), P.A.U.	:- Smti. A. G. Jois (Additional charge)
12) P.A. to Vice -Chancellor	:- Shri. S. P. Dusane (upto 18/05/2016 and from 19/05/2016 Additional charge)
13) Assistant Comptroller, College of Agril., Dapoli.	:- Shri. P. S. Golvankar (from 8/1/2016 to 18/05/2016) Smt. M. B. Salvi (form 19/05/2016)
14) Assistant Registrar, C.O.A., Dapoli.	:- Shri. M. G. Dolas (Additional charge upto 7/1/2016 and from 8/1/2016 regular)
15) Assistant Registrar, C.A.E.T., Dapoli	:- Shri. S. K. Ambekar (from 1/9/2015)
16) Assistant Registrar, C.O.F, Ratnagiri	:- Smti. S. C. Halkurki

5.2 University Authorities

Time to time meetings of various bodies of University Authorities such as Executive Council, Academic Council, Agri. Research Council, Extension Council, Faculties, Board of Studies were conducted during the period under report.

A. Executive Council :

In all, 5 regular meetings of Executive Council were conducted during the period under report.

B. Academic Council :

Three meetings of Academic Council were conducted during the period under report.

C) Agril. Research Council

One meeting of Agril. Research Council was conducted during the period under report.

D) Extension Council

One meeting of Extension Council was conducted during the period under report.

E) Educational Faculties

Three different faculties such as Agriculture, Fisheries and Agricultural Engineering were functioning during the period under report.

F) Board of Studies

Regular meetings of various Board of studies under different faculties were conducted during the period under report.



5.3 Appointment of Officers

- 1) Through Maharashtra Council of Agricultural Education & Research, Pune : Nil
- 2) Through University : (By Promotion & Nomination) :
 - i) By Promotion - 42
 - ii) By Nomination - 81

5.4 Retired Officers

1) Officers (Superannuation)

- 1) Dr. N. J. Thakor Ex. Professor and Head Department of Agril. Process Engineering :- 28/02/2017
- 2) Shri. D. D. Rane, Ex. JRA :- 31/03/2017

2) Officers (Voluntarily) : Nil

3) Officers (Expired) : Nil

- 1) Shri. S. V. Joshi, Associate Professor :- 28/02/2017

5.5 University Staff

Information regarding number of posts sanctioned, filled-in and reserved posts for the period ending 31st March, 2017

Posts	No. of Sanctioned posts	Posts filled-in category-wise							Va-cant posts
		SC	ST	DT/NT	SBC	OBC	Open	Total	
i	ii	iii	iv	v	vi	vii	viii	ix	x
A) Executive Officer									
Vice-Chancellor	1	-	-	-	-	-	1	1	0
B) Academic Officers									
Dean (Agriculture)	1	-	-	-	-	-	-	0	1
Director of Research	1	-	-	-	-	-	-	0	1
Director of Extension Education	1	-	-	-	-	-	-	0	1
Heads of the Department	10	-	-	-	-	-	3	3	7
Associate Director of Research	2	-	-	-	-	-	-	0	2
Deputy Director of Research	3	2	-	-	-	-	1	3	0
Assistant Librarian	3	1	-	-	-	-	1	2	1



Posts	No. of Sanctioned posts	Posts filled-in category-wise							Vacant posts
		SC	ST	DT/NT	SBC	OBC	Open	Total	
i	ii	iii	iv	v	vi	vii	viii	ix	x
C) Other Officers									
Registrar	1	-	-	-	-	-	-	0	1
Comptroller	1	-	-	-	-	-	-	0	1
Students Welfare Officer	1	-	-	-	-	-	1	1	0
University Engineer	1	-	-	-	-	-	1	1	0
Deputy Registrar (Exam.)	1	-	-	-	-	-	1	1	0
Asstt.Registrar/Asstt.Comptroller	11	2	-	1	-	-	6	9	2
Sports Officer	2	-	-	-	-	-	2	2	0
Physical Training Instructor	3	-	-	-	-	-	2	2	1
P.A. to Vice-Chancellor	1	-	-	-	-	-	-	0	1
Security Officer	2	1	-	-	-	-	1	2	0
Medical Officer	1	-	-	-	-	-	-	0	1
Assistant Engineer	3	1	-	-	-	-	2	3	0
Total (A+B+C) :-	50	7	-	1	-	-	22	30	20
D) Academic Staff Faculty of Agriculture									
Associate Dean (Agri./PGI-PHM/Hort.)	3	-	-	-	-	-	0	0	3
Professor & equivalent	18	-	-	-	-	-	9	9	9
Asso. Professor & equivalent	72	7	-	2	-	2	27	38	34
Asstt. Professor & equivalent	148	18	9	10	-	11	73	121	27
Agril.Officer/Sr.Res.Asstt./Extn. Officer/Tech.Officer/Sr.Stat.Asstt. / Sr.Tech.Officer /Vet. Officer/ Jr.Vet. Officer	35	5	3	3	-	4	19	34	1
Agril.Supervisor/Jr.Res.Asstt.	38	6	3	4	-	5	16	34	4
Total (D) :-	314	36	15	19	-	22	144	236	78
E) Academic Staff Faculty of Fisheries Sc.									
Associate Dean	1	-	-	-	-	-	-	0	1
Professor & equivalent	10	-	-	-	-	-	5	5	5
Asso. Professor & equivalent	15	1	-	-	-	-	12	13	2
Asstt. Professor & equivalent	45	7	1	2	1	2	23	36	9
Biologist	6	1	-	1	-	-	3	5	1
Gear Technician/Jr.Res.Asstt.	3	1	-	-	-	-	2	3	0
Total (E) :-	80	10	1	3	1	2	45	62	18



Posts	No. of Sanctioned posts	Posts filled-in category-wise							Va-cant posts
		SC	ST	DT/NT	SBC	OBC	Open	Total	
i	ii	iii	iv	v	vi	vii	viii	ix	x
F) Academic Staff College of Agril. Engineering & Technology, Dapoli									
Associate Dean	1	-	-	-	-	-	-	0	1
Professor & equivalent	7	-	-	-	-	-	6	6	1
Asso. Professor & equivalent	12	-	-	-	-	-	9	9	3
Asstt. Professor & equivalent	24	4	-	-	-	-	17	21	3
Senior Research Assistant (CAET)	4	-	1	1	-	-	1	3	1
Total (F) :-	48	4	1	1	0	0	33	39	9
G) Krishi Vigyan Kendra									
Assistant	2	1	-	-	-	1	-	2	0
Steno Typist	2	-	-	-	-	1	-	1	1
Driver	4	-	-	1	-	-	3	4	0
Mali	2	-	-	-	-	-	2	2	0
Animal Attendant	2	2	-	-	-	-	-	2	0
Total (G) :-	12	3	-	1	-	2	5	11	1
H) Clerical Staff									
Class-III staff	532	75	30	34	10	49	267	465	67
Class-IV staff	786	95	47	79	14	133	348	716	70
Total (G) :-	1318	170	77	113	24	182	615	1181	137
Total (A+B+C+D+E+F+G+H) :-	1822	230	94	138	25	208	864	1559	263

5.6 Financial status of the University

During the financial year 2016-2017 the grants of Rs. 10261.56 lakhs have been received from the Government of Maharashtra under Non-Plan sector. From these grants the expenditure of Rs. 9889.53 lakhs has been incurred. Similarly the grants of Rs. 1609.70 lakhs have been received under Plan sector against which the expenditure of Rs. 1646.62 lakhs has been incurred.

The grants of Rs. 1609.70 lakhs have been received from the ICAR, New Delhi and Government of India from which the expenditure of Rs. 1646.62 lakhs has been incurred.

The abstract of the grants received, expenditure incurred during the financial year 2016-17 is as under.



Sr. No.	Particulars	Sanctioned/ Received Grants (Rs.In lakhs)	Actual Expenditure from Govt. grants (Rs.In lakhs)
A)	Non-Plan Schemes		
1)	01 Crop Husbandry	8915.81	8558.36
2)	03 Animal Husbandry	312.06	303.73
3)	05 Fisheries	1033.69	1027.44
	Total - A	10261.56	9889.53
B)	Plan Schemes		
4)	01 Crop Husbandry	2570.86	1967.03
C)	ICAR, New Delhi / GOI/Adhoc Scheme	1609.70	1646.62
D)	Revenue Receipts/ Expenditure	1127.98	925.29
	Grand Total (A to D)	12729.30	14428.47

5.7. Creations of basis infrastructure facilities

5.7.1 Non Plan Schemes

1. Government has sanctioned a grant-in-aid of Rs. 103.81 lakhs during the financial year 2016-17 for minor building repairs and renovations works for the Faculty of Agriculture under the head 01 Agriculture Building maintenance. This office utilized the full grants received from Government on various works such as repairs and renovation of office building and residential quarters at main campus and research stations, repairs and renovation of roads, repairs to guest houses at various research stations, repairs to toilet blocks, re-electrification of different buildings. Water proofing treatment to various buildings, rewinding submersible pumps at various research stations under this University etc. during the financial year under report.
2. The grant-in-aid of Rs. 5.85 lakhs was received during the year 2016-17 under the head 03 Animal husbandry Building Maintenance. The work of repairs to quarters, young bull shed and hester shed, providing retaining wall in front side of office building, repairing to in-charge quarters and repairing to main office building. Providing plinth protection, weather shed to main office building at Cattle Breeding Farm Nileli were under taken and an expenditure of Rs. 5.20 lakh was incurred for the above works during the financial year 2016-17.



3. The grant-in-aid of Rs. 9.90 lakhs was received for faculty of fisheries under the head 05 fish Building maintenance. The various repairs works, water proofing works, repairs to water supply line, expansion joints, water storage tank, providing external painting and minor repairs etc. were completed by spending an amount of Rs. 9.90 lakhs during the financial year 2016-17.

5.7.2 Plan Schemes

1. Construction of Works under 'Establishment of College of Horticulture, Mulde, Dist-Sindhudurg

During the said financial year 700.00 lakhs grant was received from the Government of Maharashtra. Accordingly the work construction of Boys and Girls Hostel Building, construction of laboratory building is hampered. An amount of Rs. 386.15 lakhs were incurred during the financial year 2016-17 for the above mentioned purpose. The remaining building will be completed as and when sufficient grants are received.

2. Construction of works under Establishment of PGI-PHM Roha

During the financial year Rs. 501.50 lakh grants was received from Govt. of Maharashtra under which work like construction of main administrative building, construction of RCC Nala and other allied work is in progress. An amount of Rs. 443.33 lakhs was incurred during the financial year 2016-17 for the above mentioned purpose. The remaining building will be completed as and when grants are received.

3. Construction of works under taken for the scheme establishment of Fisheries Engineering Diploma course of three year at Ratnagiri.

During the financial year, Rs. 390.47 lakhs were received from the Govt. of Maharashtra towards various construction works under the said scheme. Under this scheme various works like construction Educational building, constructions of box type culvert near entrance gate, construction of Boys and Girls Hostel buildings A,B,C and D type water drain, construction was undertaken and for this an expenditure of Rs. 288.92 lakhs was incurred during the said financial year.

4. Construction of building for College of Agriculture Engineering and Technology, Dapoli

The work of construction of administration building for College of Agriculture Engineering and Technology was completed in all respect during the financial year 2010-11. The work for construction of Laboratory Building was also completed during the financial year 2015-16. The work of minor modifications, electrification work will is completed during the first half of the next financial year. An expenditure of Rs. 18.49 lakhs was made during the said financial year.



5. Construction of Compound wall for protection of the Agril. Universities in Maharashtra

During the financial year a total sum of Rs. 06.57 lakhs was received under this head. During this year the work for construction of compound wall at Khar Land Research Station, Panvel behind NARP quarters was undertaken for which an amount Rs. 04.70 lakhs was incurred during the said financial year.

5.7.3 ICAR Schemes

1. Various maintenance /repairs/ renovation works under SAUs.

An amount of Rs. 135.00 lakhs was received for various repairs/ renovations/ modernization of the University from ICAR. 1.3 out of which Rs. 15.96 lakh were utilized for various maintenance work/renovation work/ modernization works of various colleges, Hostel etc. under this University.

5.7.4. Rashtriya Krishi Vikas Yojana

1. College of Agril. Engineering and Technology (CAET- FMP)

An amount of Rs. 04.01 lakhs was received under this head. A total of Rs. 04.01 lakhs was utilized for BBM carpet and seal coat farm machinery, PCC and Cement concrete flooring ,Repairs for inspection unit for FMP was also undertaken.

2. Rain water harvesting through lined ponds (CAET-SWCE)

An amount of Rs. 47.29 lakhs was received under this head. A total of Rs. 35.19 lakhs was utilized for Construction of farm ponds under RKVY at Dapoli, Pangari, Kudavale, and Deodhe, Lanja.

3. Strengthening of fishries extension by establishment of fishries training cum information tech. centre at College of Fisheries, Shirgaon, Ratnagiri

An amount of Rs. 238.78 lakhs was received under this head. A total of Rs. 160.76 lakhs was utilized for Construction of fish training cum information center at College of Fisheries, Shirgaon, Ratnagiri.

4. Estblishment of Circular Hatchery for Carp Seed Production

An amount of Rs. 39.69 lakhs was received under this head. A total of Rs. 37.79 lakhs was utilized for construction of Circular Hatchery at Mulde and renovation of pond at Mulde.

5. Production of different Biofertilizers

An amount of Rs. 190.57 lakhs was received under this head. A total of Rs. 1.48 lakhs was utilized for Biofertilizer building architect fee and erecting wire fencing and gate to pathology farm at Dapoli.



6. Production of Konkan kanyal Goat

An amount of Rs.03.50 lakhs was received under this head. for construction of cattle shed no.3 into goat shed at Dairy Farm, construction of running at Nileli, conversion of Cattle shed into Goat shed at Asond block, Central Experimentation Station, Wakavali.

5.7.5. District Planning and Development Committee (DPDC), Sindhudurg

The grants Rs.03.00 lakh was received under this head for various Constructions of Hall for MAP unit at Vengurla.

For various construction of ornamental fish breeding and rearing unit at Mulde the grants of Rs.40.89 lakh was received from DPDC, Sindhudurg. Total expenditure was 20.09 lakh incurred during the reporting period.

5.7.6 Revenue Receipt for RFRS, Vengurle

The grants Rs. 16.78 lakh was received under this head for various providing electrical renovation, air condition unit, false ceiling, wall paneling, and veterified tiles at main building at RFRS, Vengurla. Total expenditure was 16.78 incurred during the said financial year.





ANNEXURE - I

Seed Production of different crop varieties during the year 2016-17

Sr.No.	Crop	Production (in qtl.)
1.	Paddy	
	Nucleus Seed	26.00
	Breeder Seed	263.20
	Foundation Seed	421.80
	Truthful Seed	1952.30
	Total	2663.30
2.	Nagli	78.00
3.	Oilseed	203.70
4.	Pulses	350.00
5.	Vegetable Seed/ Tuber crops	40.00
	Total	671.70
	Sub Total	3335.00
	Cashewnut (qtl)	990.00
7.	Coconut (Nos.)	98,000

ANNEXURE - II

Planting material production during the year 2016-17

Sr.No.	Crop	Production (in lakh)
1.	Mango	2.97
2.	Cashewnut	4.50
3.	Coconut	1.40
4.	Sapota	0.38
5.	Aonla	0.35
6.	Kokum	0.37
7.	Lemon	0.17
8.	Jamun	0.60
9.	Spices	0.90
10.	Arecanut	0.51
11.	Forest and Medicinal plants	2.60
12.	Other (flower seedling & other seedling)	2.00
13.	Fodder Setts	5.00
	Total	21.75



ANNEXURE - III

Production and sale of different tools/implements during the year 2016-17

Sr. No.	Description	Sale (in numbers)
1.	Vaibhav sickle	3456
2.	Swastik groundnut hoe	01
3.	Atul fruit harvester	05
4.	Pankaj paddy puddler	01
5.	Nutan mango harvester	0
6.	Naveen mango harvester	275
7.	Amar loranthus cutter	123
8.	Ankur toothed spade	521
9.	Sulabh contour marker	07
10.	Dryland weeder	39
11.	CAET Cashew cutter	0
12.	Coconut dehusker	173
13.	Japanese Weeder-130 mm	0
14.	Cono weeder-100 mm	0
15.	Cono weeder-130 mm	186
16.	Vipul cashewapple juice extractor	01
17.	Hand operated arecanut dehusker	03
18.	Green cashewnut cutter	40
19.	Chain conveyor type paddy thresher	0
20.	Arecanut scarifier	0
21.	TNAU Coconut climber	0
22.	Other (Fabrication and structures)	15
Total		4846



ANNEXURE - IV

Testing of different tools/implements during the year 2016-17

Sl. No.	Name of the machine tested	Name of the manufacturer
1.	2 hp single phase motor operated chaff cutter- Table model	M/s. Omkar Industries, Plot no-w-57, MIDC, Gokul shirgaon, Kolhapur- 416 234
2.	Battery operated sprayer	M/s. Biospark Aqua Technologies, H -no- 36-70/1, Jagatgiri Nagar, Jagatgirutta, Hyderabad- 500 037.
3.	Rotavator- 1.25 m	M/s. Deccan Farm Equipment Pvt. Ltd., MIDC Shirol, Kolhapur
4.	Rotavator- 1.5 m	M/s. Deccan Farm Equipment Pvt. Ltd., MIDC Shirol, Kolhapur
5.	Rotavator- 1.8 m	M/s. Deccan Farm Equipment Pvt. Ltd., MIDC Shirol, Kolhapur
6.	Stubble remove	M/s. Samrat Industries, Plot Ni. A 211, Five star MIDC Kagal, Kolhapur
7.	M.B.Plough-1	M/s. Deccan Farm Equipment Pvt. Ltd., MIDC Shirol, Kolhapur
8.	Battery operated Knapsack Sprayer	M/s. Biospark Aqua Technologies, H -no- 36-70/1, Jagatgiri Nagar, Jagatgirutta, Hyderabad- 500 037.
9.	Rotavator- 0.8 m	M/s. Deccan Farm Equipment Pvt. Ltd., MIDC Shirol, Kolhapur
10.	Chaff cutter- 2hp	M/s. Surya Industries, Plot No.8, MIDC, Islampur,dist -Sangli-415409
11.	Chaff cutter-1 hp	M/s.Dhiraj Industries, Plot No.117, GAT No 529, Vijay Nagar, Near Gokul Shirgaon MIDC, A/P. Nerli, Tal - Karveer, Dist - Kolhapur-416234.
12.	Chaff cutter -2 hp	M/s.Dhiraj Industries, Plot No.117, GAT No 529, Vijay Nagar, Near Gokul Shirgaon MIDC, A/P. Nerli, Tal - Karveer, Dist- Kolhapur-416234.
13.	Chaff cutter- 2 hp	M/s. Yash Engineering Agticulture, 430/10, Dhawal Ves, Ring Road, Tasgaon -416 312, Dist-Sangli
14.	Battery operated Knapsack sprayer (H2oBS12)	M/s. Mhaswdkar Autolines Pvt. Ltd, 283/31 B, Karanje, New Market Yard, Satara -415 001.
15.	Battery operated Knapsack sprayer (H2O16)	M/s. Mhaswdkar Autolines Pvt. Ltd, 283/31 B, Karanje, New Market Yard, Satara-415 001.
16.	Battery cum hand operated sprayer (H2O16)	M/s. Mhaswdkar Autolines Pvt. Ltd, 283/31 B, Karanje, New Market Yard, Satara -415 001.
17.	Rotavator-1.25m	M/s. The Maharashtra Agro Industries, Development corporation limited, Agricultural Engg works, D-2/52 MIDC Area Chinchwad, Pune- 411 019
18.		Mahindra Applitrac Mahindra and Mahindra Ltd, Farm Equipment sector swaraj Tractor plant-2, Village: Chappercheri Post office - Landran, Dist-Mohali, Punjab-140307
19.	Rotavator-150 ss 'C' Blade MAIDC, Mohali (Panjab)	Mahindra Applitrac Mahindra and Mahindra Ltd, Farm Equipment sector swaraj Tractor plant-2 Village: Chappercheri Post office - Landran, Dist-Mohali, Punjab-140307
20.	Rotavator-175 ss 'L' Blade MAIDC, Mohali (Panjab)	-//-
21.	Rotavator-1.75 ss 'C' blade MAIDC, Mohali (Panjab)	-//-



◀◀ 17th Agriunifest organised at Bikaner Rajasthan during 22 to 25th February 2017

Inauguration of Magova-2016 by the hands of dignitaries.



◀◀ Organisation of International YogaDay-21 June 2016

36th Convocation function of the university





International Soil Day and Publication of University calendar.

Establishment of Solar part in the university .



Republic Day

International Coconut Day

