



College of Agriculture, Kolhapur Annual Report for the year 2016-17

1. INTRODUCTION

The College of Agriculture, Kolhapur was established in June, 1963 and is imparting instructions to undergraduate students of B. Sc. (Agri.) Degree Programme and Post Graduate students of M. Sc (Agri.). In addition, this college undertakes location specific and need oriented Research and also transfer improved agricultural technologies generated by Mahatma Phule Krishi Vidyapeeth, to farming community in the region for its effective adoption.

The College of Agriculture, Kolhapur was established during the year 1963-64 along with the farm at main campus at "Unchgaon" The total land of Agronomy farm is 29.03 ha. Out of which 19.37 ha. is under cultivable. The Agro physical features of the farm are narrated as below.

- 1) Latitude 16° - 43' N
- 2) Longitude 74° – 16' E
- 3) Altitude 527.12 M.

As per mandate, the College staff is actively engaged in undergraduate teaching. In addition to this, research and extension activities are also being carried out by this College.

2. Education and Student activities

The College of Agriculture, Kolhapur implements the following UG and PG programmes.

A) UG Programme

Degree	Annual intake capacity	Duration
B.Sc.(Agri.)	190+ ICAR quota+19 (Agri. Diploma)	8 Semesters (4 years)

B) PG Programme

Degree	Annual intake capacity	Duration
M.Sc.(Agri.)	48 + ICAR quota	4 Semesters (2 years)

M.Sc. (Agri.) degree programme is implemented in following 9 disciplines

1. Agronomy
2. Agril. Botany - Genetics and Plant Breeding
3. Agril. Entomology
4. Agril. Extension Education
5. Plant Pathology - Agril. Microbiology
6. Agril. Economics
7. Soil Science and Agril. Chemistry
8. Vegetable Science
9. Animal Husbandry and Dairy Science

2.1 Admission:

The students registered for respective semesters on the basis of eligibility. The orientation programme was organised for newly admitted students in F. Y. B. Sc. (Agri.) and information regarding semester system, internal evaluation and attendance etc. was given to the students.

UG Admission

The class wise strength of the students is given below,

	Boys	Girls	Total
1. First Year B. Sc. (Agri.) -	116	130	246
2. Second Year B. Sc. (Agri.)-	110	121	231
3. Third Year B. Sc. (Agri.)-	097	114	211
4. Fourth Year B. Sc. (Agri.)-	085	126	211
Total	408	491	899

PG Admission:

1. First Year M. Sc. (Agri.) -	32	19	51
2. Second Year M. Sc. (Agri.)-	37	16	53
Total	69	35	104

2.2 Academic activities Examination Results - The work of registration, Counseling, paper setting, conducting and supervising of examinations, evaluation of answer books was carried out by the concerned course teachers. Besides work related to under graduate teaching the faculty of College also attended the conduct / supervisory work of Agril schools as assigned by the Associate Dean.

All the academic work viz., teaching, examination, supervision, evaluation of theory answer books, duties as external examiner for semester-end practical examination within the MPKV, Rahuri and affiliated private college etc. was carried out by staff of this College as per the time-table and schedules.

The lectures and practicals for the courses offered during the year have been conducted by the concerned staff of this College as per the schedule. The concerned staff members also conducted and supervised the Mid-Term examination and Semester end final theory and practical examinations at aided and non aided colleges and evaluated the theory examination papers.

All the teaching staffs of this section guided their student wards during the registration and academic matters during the academic year 2016-17. Counsellors had conducted the meetings of students wards and gave information regarding rules and regulations in respect of ragging and also attended the duties of anti-raging squad at hostel and in college campus.

2.3 Scholarships

The information regarding various Scholarships/freeships obtained by the students of College of Agriculture, Kolhapur during the year 2016-17 is as given below

Information of Scholarships /freeships during the year 2016-17

Sr. No.	Name of Scholarship	Number of Scholarship Students
01	Scheduled Caste Scholarship	83
02	Vimukta Jat Nomadic Tribes Scholarship	85
03	Scheduled Tribe Scholarship	32
04	Other Backward Class Scholarship	131
05	Special Backward Class Scholarship	05
06	Scheduled Caste Freeship	25
07	Vimukta Jat Nomadic Tribes Freeship	15
08	Scheduled Tribe Freeship	08
09	Other Backward Class Freeship	29
10	Special Backward Class Freeship	03
11	College (Merit Cum Means) Scholarship	80
12	Indian Council of Agricultural Research(Merit Cum Means) New	07
13	Indian Council of Agricultural Research (Merit Cum Means) Renewal	20
14	National Talent Scholarship	35
15	Indian Council of Agricultural Research (JRF) Scholarship	-
16	Handicapped Scholarship	06
17	Ex-Serviceman Scholarship	01
18	Finolex Silver Jubilee Trophy Scholarship	03
19	Central Sector Scholarship	48
20	Minority Community Scholarship	01

2.4 Hostel

Residential facilities for boys and girls are available for UG and PG students of this college. The available accommodation facilities are comfortable and provided with all the basic and modern supporting facilities like solar water heaters, water coolers aqua guards, solar lamps, generators etc. Three water tanks, 12 water purifiers, and one water cooler was made available to the hostels during the year 2016-17

Hostel accommodation for UG students during the year 2016-17



Sr. No.	Particulars	Boys Students	Girls Students	Total Students
1	First Year	78	73	151
2	Second Year	72	73	145
3	Third Year	72	73	145
4	Fourth Year	78	69	147
	Total	300	288	588

Hostel accommodation for PG students during the year 2016-17



Sr. No.	Particulars	Boys Students	Girls Students	Total Students
1	First Year	24	14	38
2	Second Year	30	15	45
	Total	54	29	83

2.5 NCC :

The NCC training for the year 2016-17 was started from 8th August, 2016. Total 52 cadets were selected from all students of College of Agriculture, Kolhapur viz. 26 cadets from Second Year and 18 cadets from First Year (12 Boys & 6 Girls). The regular parades were started in the month of August, 2016. The NCC Unit of this college honored the



national flag with salutation on 15th August 2016, 26th Jan,2017 and 1st May, 2017
Associate Dean, College of Agriculture, Kolhapur.



Fifteen cadets were selected to attend various Camps organized by 56 Mah. Bn. NCC, Kolhapur namely ATC, CATC, and NIC Camp held at NCC Bhavan, Kolhapur. During the year, NCC cadets were participated in Tree Plantation Programme, Blood

Donation Camp, Anti-Ragging pledge, Pulse-Polio Camp, NCC Foundation Day, Rally March, etc. During the year, 16 cadets appeared for 'C' certificate and 18 Cadets appeared for 'B' certificate examination. Cadet Gavit Krupesh was junior under officer and Cadet Walake Rohit was selected for Best NCC Cadet.



2.6 NSS

During the year 2016-17 in all 247 students (130 girls and 117 boys) were participated in NSS Programme. Through regular activities, various programmes were carried out in and around the college campus which include, plantation of mango plants and maintenance of mango orchard ,



cleaning of drainage channels, collection and destruction of plastic from hostel premises, cleaning of hostel, cleaning of area around the faculty buildings in the college campus etc.

Under regular activities NSS unit celebrated the birth anniversary of great people like, Chh. Shahu Maharaj, Mahatma Gandhi, Dr. Babasaheb Ambedkar jayanti ,Vasantrao Naik jayanti etc. Volunteers also arranged social awareness programmes like Anti-drug, anti tobacco day and awareness about increasing population, celebration of Krishi Din, celebration of friendship Day

A special NSS camp for the year 2016-17 was held in village Vasagde Tal. Karveer Tal-Karveer, Dist- Kolhapur, from 4th March,




2017 to 9th March, 2017 where in 126 volunteers (73 girls & 50 boys) participated actively. The opening ceremony of camp was held on the 4th of March 2017 in the presence of Dr. G.G.Khot, Associate Dean, college of Agriculture, Kolhapur. The chief guest of function was Mr.Sanjay Shinde, Dy, Collector, Kolhapur, and dignitaries of the village. The daily routine of camp was divided in to four sessions, in morning session we had exercise and prayers. After the breakfast physical work and programmes pertaining to the social awareness were conducted. In the afternoon, activities related to talent of students like Quiz, Group discussions, Street plays were organized. In the evening the guest lectures, according to the motto of camp and agriculture based technology were arranged by various specialists. The volunteers were divided in to various groups to carry out survey about use of electricity saving devices and also to aware people about addictions & sanitary measures. On 5th March, 2017 celebration of Gram Sawchata campaign was organized wherein, volunteers collected the plastic around the road side & cleaned the roads, gattars, discussed the problems of use plastic with villagers. Lecture delivered by Dr. D D Patange on Milk and milk products and Dr.Garande on Fruit processing. Different street play on social subjects like swine flu, girls importance, suicides of farmers, save water & importance of agril .technology. On 8 th March arranged Health Camp (Whole checkup) check up for the villagers' of Vasagde with the help from Dr.Ramesh and Dr.Rashmi from Dr.D.Y.Patil Hospital Kolhapur around 235 People of village checked their health.

The lectures of experts were arranged on topics like: Sugarcane cultivation, Economic use of water for Sugarcane, Soil testing importance, White grub management in sugarcane., Nutrient and Health management of Livestock by college staff experts from 4/03/2017 to 8/03/2017. At evening Candle march was organized in village for peace. Cultural activities were also performed on 8th March 2017 by volunteers oon the occasion of worlds women day . The closing ceremony of camp was held on the 9th march, 2017 in presence of Mrs,Archana Patil Sarpanch and S.B.PatilDeputy sarpanch of Grampanchayat and Chief guest Dr.Sanjay Shinde Dy collector College Kolhapur, also invited dignitaries. Dr.G.G.Khot, Associate Dean, Dr.D.S.Patil, Vice-president of Student Council, College of Agriculture, Kolhapur and other authorities were also present for function. The function was presided by Mrs,Archana Patil Sarpanch Sarpanch, Vasagde Kolhapur and shared his experience of camp and he also stressed usefulness of NSS in personality development.

2.7 Sports

Inter University Sports

1. The students of the college S/Shri. G.B.Tingare, J.J. Katkar, P.S. Munde, A.N. Shelkande, R.S. Kharade, M.P. Gedam, Miss. S.S. Bhosale, S.S. Shinde, U.D. Yewale, S. S. Choudhari were selected in the MPKV Youth Festival (Indradhanusha) team and participated in the 14th Maharashtra State Inter University Cultural Youth Festival (Indradhanusha -2016-17) organized at Babasaheb Ambedkar Marathwada University, Aurangabad during 05th to 09th November, 2016.
 2. 20th Maharashtra State Inter University Krida Mahotsav Sports Meet (Ashwamedh 2016) was organized at Dr. Vsantrao Naik Marathwada Krishi Vidyapeeth, Parbhani from 27th November to 1st December, 2016. The students viz., Shri., S.A. Mane & Miss.P.B. Lavate in MPKV Kabaddi (M/W) team, Miss.S.S.Naykawadi & Miss.V.K. Musale in the MPKV Kho-kho (W) team, Miss. V.S. Sarnobat in the MPKV Volley ball (W) team, Shri. A.U.Gangurde & Miss. Varsha K Vasudevan in the MPKV Basket ball (M /W) team participated.
 3. Shri.J.J.Katakar participated as MPKV Elocution Team in the Inter University P.C. Alakzander Elocution Competition at Pune on 20th Dec.2016 and secured **third Place.**
 4. Shri.J.J.Katakar was selected in the MPKV Elocution Team and participated in the Inter University Anti Dowry Moment Elocution Competition at Mumbai on 12th January, 2017 and **won the First Place.**
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5. Shri. P.S. Munde selected in the MPKV Avishkar Team and participated in the Inter University Avishkar Competition 2016 held at SRTM, Nanded during 27th to 29th January, 2017.
 6. Shri.P.B.Patil selected in the MPKV Malkhamb Team and participated in the Inter University Malkhamb Tournament at Punjab University, Chandigarh on 03rd to 05th February, 2017.
 7. Shri.S.R.Warghude was selected in the MPKV Table Tennis Team and participated in the Inter University Table Tennis Tournament at Gujarat University, Gujarat on 05th to 08th February, 2017.
 8. S/Shri. A.S.Jadhav, G.B.Tingare, S.A.Mane, K.J.Shelke & P.S.Waghmare, were selected in the MPKV Weight Lifting & Best Physique Team and participated in the Inter University Weight Lifting & Best Physique Tournament at Punjab University, Chandigarh on 07th to 09th February, 2017.
 9. The Inter University Cultural Youth Festival (Agriunifest -2016-17) was organized at Rajasthan University of Veterinary & Animal Sciences, Bikaner from 22nd to 27th February, 2017.
 10. S/Shri.G.B.Tingare,J.J.,Katkar,A.N.Shelkande,R.S.Kharade,S.S.Shinde,U.D. Yewale, S.S.Choudhari were selected in the MPKV Youth Festival (Agriunifest) team and participated in the Inter University Youth Festival (Agriunifest) competition at Bikaner in which **Miss. S.S.Choudhari Stood Forth Place in Cartooning Competition.**
 11. Shri.S.A.Mane was selected in the MPKV Wrestling Team and participated in the Inter University Wrestling Tournament at Punjab University Sirsa on 25th to 27th February, 2017.

Inter Collegiate Sports

1. College of Agriculture, Kolhapur Secured IIIrd Position in Chess (M/W) & Malkhamb in Inter collegiate sports organized at College of Agriculture, Maldad from 15th to 16th July, 2016.
2. College of Agriculture, Kolhapur Secured IIIrd Position in Table Tennis (M) in the Inter collegiate sports of MPKV, Rahuri organized at College of Agriculture, Shahada during 27th & 28th July, 2016.
3. College of Agriculture, Kolhapur Secured Runners - up in Volley Ball (W) in the Inter collegiate sport organized at College of Agriculture, Vadala, Solapur from 03rd & 04th October, 2016.
4. Shri. Sushant Banne student of the college Stood Third Place in High Jump event in the Inter collegiate sport organized at College of Agriculture, Baramati from 24th to 25th October, 2016.
5. **Debate competition:** 1. **Co – operative training** - “Inclusive Growth in India is possible only through Cooperatives” Shri. Shatanand Lomate stood Second (For) in English and Miss. Diksha Gurav stood Second (Against) in Hindi. 2. **Population and environment** - “Women are more conscious of environmental Preservation than men” Miss. Pooja Duduskar stood First (Against) in English and Miss. Priyanka Shewale stood Second (For) in English.
6. **Elocution Competition:** a. **Shiksha Mandal, Wardha** - “Is the West declining? If so, Why? What lessons can we learn?” Miss. Diksha Gurav stood First in Hindi and Miss. Priyanka Shewale stood Second in English.
b. **Ex – Chancellor, P.C. Alexander** - Shri. Jayantkumar Katkar stood First in Marathi.
c. **Anti Dowry Movement, Mumbai** - Shri. Jayantkumar Katkar stood First in Marathi.
d. **Celebration of 125th Birth Anniversary of Dr. Babasaheb Ambedkar** “Hindu Code Bill: Dr. Ambedkar Expectation & Reality” Shri. Pawan Munde stood Second in Marathi.
e. **Celebration of Mahatma Jyotiba Phule Punyatithi** - “Pioneer of Women’s Education: Mahatma Jyotibha Phule” Miss. Namrata Pondkule stood First in Marathi.
7. College of Agriculture, Kolhapur secured General Championship in Weight lifting and Best Physique in the Inter collegiate sports organized at College of Agriculture, Jainapur during 18th to 19th December 2016. In Wrestling Shri. S.A.Mane, stood first place in 70 kgs weight group. In weight lifting Shri. K.J. Shelake stood Second place in 56 kgs weight group. Shri. K.M. Dighe stood Third place in 62 Kgs weight group . Shri. S.A. Mane & A.R. Bhargude stood Second & Third places in 69 kgs weight groups respectively. Shri A.S.Jadhav & G.B. Tingare stood First & Second place in 77 kgs weight groups respectively & Shri.D.S.Dhekane stood Third place in above 94 kgs.weight group. In Best Physique Shri.P.S.Waghmare stood First place in 65 kgs weight group. Shri.S.V.Borate stood Third in above 75 kgs weight group. Shri.P.S.Waghmare Awarded “MPKV Shree” & “Krishi Shree” – 2016-17.
8. Shri. P.S. Munde stood Second Place in Humanities, Languages and Fine Arts in the Inter Collegiate Avishkar Competition 2016-17 was held at Dr. Anna



Saheb Shinde College of Agril Engineering, Rahuri from 17th & 18th January, 2017.

2.8 Student Council

As per university notification the student's council board for the year 2016-17 was held on 20th September 2016. The event was smooth, harmonious & successful. The list of members of the student's council board together with the names of the conveners and various subjects committees and the chairman student's council. The council was formed as per merit basis.

Sr. No.	Name of Committee	Reg. No.	Name of Students'
1.	Chairman, Students' Council	K-14/150	Miss. Rigzin Dolma
2.	Prize Distribution	K-14/067	Miss. Jadhav Mohini Appaso (CON)
		K-16/103	Miss. Kokate Gitanjali Vishnu (Member)
		K-15/203	Miss. Sidnale Prachi Sanjay (Member)
		K-14/118	Shri. Munde Pawan Shirishkumar (Member)
3.	Sports & Allied Activities	K-14/135	Miss. Pawar Pradnya Dadasaheb (CON)
		K-15/190	Miss. Varsha K. Vasudevan (Member)
		K-16/048	Shri. Gaikwad Ishwar Dasharath (Member)
		K-14/107	Shri. Mane Sourabh Ashok (Member)
4.	Debate & Cultural Activities	K-14/183	Miss. Thamidela Meera Devi (CON)
		K-15/065	Miss. Gawade Anuradha Bhanudas (Member)
		K-14/023	Miss. Bhosale Shweta Sanjeev (Member)
5.	Magazine, Library & reading room activities	K-15/090	Miss. Kurane Pranali Balaso (CON)
		K-15/147	Shri. Sanjib Bal Samant (Member)
		K-14/051	Shri. Gavit Krupesh Subhash (Member)
6.	Hostel & Canteen	K-14/016	Miss. Baviskar Surabhi Rajendra (CON)
		K-16/189	Miss Suryawanshi Janhavi Satish (Member)
		K-15/006	Miss. Ansa S. Hameed (Member)
7.	Students' Consumers co-op store	K-14/083	Miss. Kalluru Vyshnavi (CON)
		K-16/011	Miss. Bandla Jyothi (Member)
		K-16/062	Shri. Godas Vemapavan Kalyan (Member)
8.	Placement Cell	K-15/123	Miss. Nikam Maheshwari Sanjay (CON)
		K-16/129	Miss. Nerella Sravathi (Member)
		K-16/157	Miss. Posham Pavithra Reddy (Member)

2.9 Cultural Activities:

- The Birth Anniversary of Lokmanya Bal Gangadhar Tilak was celebrated on 23rd July 2016.
- The Birth Anniversary of Lokshahir Annabhau Sathe was celebrated on 1st August, 2016.
- The Birth Anniversary of Krantisinh Nana Patil was celebrated on 3rd August, 2016.
- Sadbhavana din was celebrated on 20th August, 2016. On this occasion all the staff of College of Agriculture, Kolhapur took Sadbhavana pledge.
- The Birth Anniversary of Padmshri Dr.Vittalrao Vikhe Patil was celebrated on 29th August 2016.
- The Teachers Day was celebrated on 05th September, 2015. On this occasion student's performed duties of teachers work at morning session.
- Ganesh Festival was celebrated on 05th to 10th September, 2016 in Gymkhana Hall. Shri Ganesh Pratisthapana was carried out by the hands of Dr.G.G.Khot, Associate Dean & President, Student's Council, College of Agriculture, Kolhapur.
- The Birth Anniversary of Mahatma Gandhi & Lal Bahadur Shastri was celebrated on 02nd October, 2016.
- The Birth Anniversary of Adyakavi Maharshi Valmiki was celebrated on 27th October, 2016.
- Birth anniversary of Sardar Wallabhbhai Patel & Death Anniversary of Indira Gandhi was celebrated on 31st October, 2016.
- The Birth anniversary of Indira Gandhi and National Unity Day was celebrated on 19th November, 2016. On this Occasion all the Staff members of this College took pledge for National Unity.
- Birth anniversary of Pandit Jawaharlal Neharu was celebrated on 14th November, 2016.
- The Indian Parliament Day was celebrated on 26th November, 2016. On this occasion all the Staff members of this College commonly read Preparatory of Constitution of India.
- Death Anniversary of Mahatma Jyotiba Phule was celebrated on 28th November, 2016.

- The Birth Anniversary of Savitribai Phule was celebrated on 03rd January, 2017.
- The Birth Anniversary of Jijau Masaheb was celebrated on 12th January, 2017.
- Makar Sankranti was celebrated on 15th January 2016 was distributed of 'Til-Gul' as a token of love towards each other.
- The Birth Anniversary of Netaji Subhashchandra Bose was celebrated on 23rd January, 2017.
- The Birth Anniversary of Chatrapati Shivaji Maharaj was celebrated on 19th February 2017.
- The Birth Anniversary of Late Yashwantrao Chavan was celebrated on 12th March, 2017.
- Shahid Din (Death Anniversary) of Bhagatsing, Sukhadev, Rajguru was celebrated on 23rd March, 2017.
- The Birth Anniversary of Mahatma Jotiba Phule was celebrated on 11th April, 2017.
- The Birth Anniversary of Dr. Babasaheb Ambedkar was celebrated on 14th April, 2017.
- The Birth Anniversary of Mahatma Basaveshwar was celebrated on 09th May 2017.
- The Birth Anniversary of Chhatrapati Shivaji maharaj was celebrated on 19th February, 2017.

National Functions:

- The Anniversary of Indian Independence Day was celebrated on 15th August, 2016. National flag Hoisting ceremony was performed at the auspicious hands of Dr. G.G. Khot, Associate Dean, College of Agriculture, Kolhapur. Staff, students and N.C.C cadets attended the ceremony.
- The 66th anniversary of Indian Republic day was celebrated on 26th January, 2017. National flag Hoisting ceremony was performed at the auspicious hands of Dr. G. G. Khot, Associate Dean, College of Agriculture, Kolhapur. Staff, students and N.C.C cadets attended the ceremony.

- The 57th anniversary of Maharashtra Day was celebrated on 1st May, 2017. National Flag Hoisting was performed on this occasion at the auspicious hands of Dr. G. G. Khot, Associate Dean and Principal, College of Agriculture, Kolhapur.

2.10 Annual Prize Distribution Ceremony

Annual Annual Prize Distribution Programme was held on 06th April, 2017 at Main Building Pandal. Hon. Shri. Indrajeet Deshmukh, Additional Chief Executive Officer, Z.P. Kolhapur graced the occasion as a chief guest. Dr. G. G. Khot, Associate Dean, College of Agriculture, Kolhapur was president for the function. The Awards, Prizes and Certificates were distributed at the auspicious hands of Hon. Shri. Indrajeet Deshmukh.

Variety Entertainment Programme was held on 06 th & 07th April, 2017 at Main Building Pandal. In the Programme following activities was done by our College students Food Stall, Funny Games, Drawing competition, Rangoli competition, Fish-ponds, Singing Songs, Solo Dancing, Group Dancing & One act play etc.

2.11 RAWE

The 202 students availed RAWE programme. The SMS of RAWE attended the monthly meetings, Group Discussions, Farmers' Rallies and guided the students and farmers, as and when needed, of their respective centres during RAWE programme. The analysis of soil samples (428) collected by RAWE students from different villages were carried out. The various extension programmes viz., Method demonstrations (536), Group discussions (123), lectures by progressive farmers (17), womans training (4), biofertilizer provided (204 Kg) Scientists Visits (40) were carried out in 33 villages.

Under RAWE programme yield targeting demonstrations were conducted on farmers field. The crops were fertilized on the basis of soil test report and STCRC equation. The soil samples were analyzed for pH, EC, organic carbon, calcium carbonate, available nitrogen, phosphorus and potassium. The data pertaining to the soil samples collected from the host farmers was used to prepare soil health cards. The results of soil analysis incorporated in soil health cards and handed over to the farmers also advised them about the status of suitability of soil.

2.12 Experiential Learning Programme

The experiential learning programme is being implemented since the academic year 2010-2011 during VIII semester. The concept of experiential learning is Learning to do, Doing to learn, Earning to living, Living to serve

Objectives of experiential learning

- i) To train manpower with more practical orientation to cater the needs of public , private and corporate sectors in Agriculture.
- ii) To impart knowledge and training in inter disciplinary production oriented courses in Agriculture.
- iii) To provide training for developing entrepreneurial skill for being job provider rather than jobseeker.

Twenty to thirty students are admitted in the following experiential learning module as per their preference and merit.

Sr. No.	Course No	Module Title	Major Department	Associated Department
1.	AEL-AGRO-4813	Seed Production of Field Crops and Processing	AGRO	SSAC, ECON, EXTN, PATH, ENT, BOT, ENGG.
2.	AEL-HORT-487	Nursery Management of Horticultural Crops	HORT	ECON., EXTN, ENTO, PATH, SSAC, BOT, ENGG.
3.	AEL-PATH-487	Bio-Fertilizer Production	PL. PATH	ENTO, ECON, EXTN, ENGG.
4.	AEL-ENGG-486	Farm Mechanization	ENGG.	SSAC,AGRO, ECON, EXTN ,AHDS, HORT
5.	AEL-SSAC-486	Soil & Water Clinic	SSAC	AGRO, ECON, EXTN, ENGG.
6.	AEL-ASDS-487	Milk & Milk Production	ASDS	ECON, EXTN, ENGG.
7.	AEL-ENT-488	Mass production of Biopesticide	ENTO	AGRO, PATH, ECON, EXTN, ENGG.

Educational Tours of various Modules for VIII Semester Students were organized. Regarding Extension activities in each Module, it included visit to the Press, Radio Station, Doordarshan unit and College Development Block.

1. Seed Production of Field Crops and Processing

students acquired the practical hands on experience of seed production of field crops and processing under experiential module. The seed production of Wheat (variety- Trymbak) was



undertaken on an area of 3.47 ha. Out which, 1 ha. area was allotted to the students. and the work of seed treatment, the sowing by tractor operated two bowl seed drill, preparation of irrigation layout ,weeding and spraying

of herbicides, rouging off plants at three stages, spraying of 2% DAP at grain filling stage were carried out by module students. The seed processing of Paddy and Soybean seed were carried out by module students at processing unit of Agronomy Section A.C. Kolhapur

2. The 28 students of experiential learning module AEL-ENT-488 (Mass Production Biopesticide) learned the procedure of mass production of Metarhizium Powder, Entomopathogenic nematode, Tricocard, HaNPV, Neem seed extract Dashaparni Ark. They used their product in the



college field. The students visited the private Bio-control production at Jaishingpur acquired the Practical Knowledge by discussing and viewing the activities carried out by them under the Experiential Learning Programme. The students were exposed to Mass Multiplication Corcera. Tricograma, Cryptolemus, Wax moth & Mass Multiplication of Metarizum and EPN. The students of IARI – Entomology Department, IARI – Nematology Central Potato Research Center Shimla

3. The students of experiential learning module (AEL– HORT-486 Vegetable Production) cultivated various vegetable crops viz; Onion, okra, brinjal, cucumber, tomato, garlic and leafy vegetables viz; Amaranthus, Fenugreek and coriander and got the detail knowledge of package of practices of these crops



and also they acquainted the knowledge about marketing of these vegetables. The receipt generated through module were Rs. 29111/- during the year

4. In experiential learning programme actual practical for Milk and Milk Products (AEL-ASDS-487) has been given to the students which will help to build up their self confidence in manufacture of different milk products. In the said programme students generated Rs. 85,000/- receipts by selling the milk products.



5. Farm mechanization module ALE ENGG -486: The students visited the Progressive Farmers' fields and acquired the Practical Knowledge by discussing and viewing the activities carried out by them under the

Experiential Learning Programme. The students were exposed to working with Tractors, Power Tillers along with the other Machineries and Implements for carrying out various operations in the field. The students of Farm Mechanization Module visited FMP, IDE, APE, SWCE and Energy Departments and Research Schemes at MPKV, Rahuri and Dr. BSKKV, Dapoli. Similarly the students visited KVKs at Talsande, Babhaleshwar and Baramati to study the various ways of Transfer of Technology to farmers. They also visited various Farm Machinery Manufacturers, Agro and Dairy Industries and progressive farmers in the region

6. Experiential learning module AEL SSAC – 486 (Soil and Water Clinic) were implemented for VIII Semester students . Students were exposed to Hands on experience through this module. One hundred soil samples were collected from different farmers field under RKVY programme and these samples were analyzed for pH, EC, Organic carbon, calcium carbonate, available nitrogen phosphorus, potassium and micronutrients viz. Fe, Mn, Zn and Cu. The results of analysis incorporated in soil health cards and handed over to the farmers, also advised them about the status of the suitability of soil and fertilizer recommendations. The receipt generated is Rs. 35,500/- (Thirty Five Thousand Five Hundred) . The students acquired the practical knowledge of soil and water analysis, interpretation and recommendations under the Experiential Learning programme .

7. Bio-Fertilizer Production (AEL-PATH-487) Efforts were made to provide Bio-Fertilizer Production Technology training and hands on experience to 31 students under experiential learning module. The receipt generated through the were amounted Rs. 1.50 lakh during four months.



2.13 Students Co-operative Store :

The Economics section is shouldering the responsibility of Students Co-operative store . The Professor of this section acting as Vice-Chairman of the Store and Assistant Professor of Statistics & Mathematics is rendering the duties of Secretary

of the Co-operative store. The store is providing the necessary stationary articles like journal sheets, file covers, drawing sheets etc. required by the students.

2.14 Educational/Ex Cautions/Exposure Tours

Educational Tours of Module for VIIIth Semester Students were organized to SAU Research stations/Various Institutions/ progressive farmers/NGOs to acquire knowledge in the respective field.

AEL-HORT-487 module students had education tour to ARS, Gadhinglaj, Dr., BSKKV, Dapoli, ARS Vengurla, Wakavali Research farm, progressive around Kolhapur during January and February, 2016. AEL-SSAC-486 module student visited subsurface drainage, problematic soils at NARP, Kasbe Digraj and polyhouses in Hatkangale in March 2016. AEL-ENGG-486 module students visited AC Talande, AC Pune, MPKV, Rahuri, KVK Babhaleshawar and KVK Baramati in January,2016 and Dr. BSKKV, Dapoli, Regional Coconut Reseacch Station Bhatey, Ratnagiri in February 2016. AEL-AGRO-4813 module students visited Dr.BSKKV Dapoli, ARS Vengurla, Coconut Research Station Bhatey. AEL-PATH-487 module students visited biofertilizer laboratories and units at MPKV, Rahuri, Dr. BSKKV, Dapoli, Warananagr and Jasingpur. AEL-ENT-488 module students visited . AEL-ASDS-487 module students visited milk and milk processing Institutions, unit in Satara, Sangli and Kolhapur district.

2.15 Summer Placement Training/In plant Training

A one day Seminar on ‘Opportunities to Agricultural Graduates’ was Organized by Training & Placement Cell of College in association with SCIBER , Kolhapur on 02.04.2016 at Agril. Engineering Section.

3 LIBRARY

The College library is working positively to fulfill the day-to-day needs of Students, Researchers & Servants of our university members as well as other faculty members in following aspects for fast and precise information & communication.

1. Lending of books for reading.
2. Internet facility.
3. Reference service.
4. E- Books facility.
5. Agricultural infor.mation CDs etc.
6. Xerox & Print.
7. Online e-journals (CeRA).
8. ISO FOODS facility.
9. Digital Library (COHA) .
10. Online ETAD (e-theses abstracts Database).

11. e-Learning Portal on Agricultural Education (e-Keishiksha).

Library collection:

1. Total books in library to till date ¹ 43,866
2. Book Bank books – 8,365
3. Journal – 20
4. Magazines – 25
5. News papers - 10 (3 Eng. / Mar. 7)
6. Thesis - 175
7. E-Books – 129
8. E – Journals (CeRA/ Jgate) – 1606
9. CD ROM Database (1972 – 2011) -55

Library Service:

In 2016-17 about 9,800 (nine thousand eight hundred only) readers including student, scientist & staff members were provided all kinds of library service in this year.

Library Progress: In academic year 2016-2017 the progress of library as under.

1. BSNL “BROAD BAND” NET facility is continued during the year 2016-017.
2. Purchased books for UG & PG.
3. J-Gate, CeRA, Indiatat.com facilities are made available to student.
4. E- Resources for student for e – searching was made available in the library.
5. Data was entered in Koha software.

During the year 2016-17 library utilized grants of Rs.3,98,907 under Strengthening and Development of Libraries form ICAR, New Delhi Year 2016-2017 and Rs. 3,36,158/- Strengthening and Development of Higher Agricultural Education in India” from ICAR, New Delhi. Year 2016-2017 for various amenities and books.

In the academic year 2016-17, 980 Student, scientist were visited to our library from Kolhapur vicinity other than our university members & achieved their teaching research & extension goals from our library. The library has Computer- 40, Printer- 3, Stabilizer- 30

4. Extension

4.1 Extension Activities 2015-16

Sl. No	Activity / Programme	Number	No. of Beneficiaries
1	Farm and Home Visits	590	3298
2	Group Discussion	97	967
3	<i>Shivar</i> ferries	31	321
4	Result Demonstrations- Kharif Season		
a	Paddy – i. Bhogavati, ii. Phule Radha, RDN-6	420 Kg	42
b	Soybean- D.S.228..	450 Kg	82
5	Result Demonstrations- Rabi Season		
a	Wheat – Tryambak	280 Kg	28
b	Gram - Digvijay	150 Kg	20
c	Jowar – Phule Chitra	24 Kg.	24
d	Sugarcane – CO-86032	22000 setts	8

	Total Demonstration plots	-	68
6	Method Demonstration	-	343
7	Seed / Seedlings Made available to the farmers	-	221
8	Birds available GIRIRAJ	10	1
9	Bio-fertilizers made available to the farmers (PSB, Acetobacter, Trichoderma, Azotobacter, D-culture, Metarhizium, Thirum, Rhizobium)	180 kg	82
10	Soil testing	05	05
11	Sale of Krishidarshani	103	-
12	News	105	-
13	Visitor: Teacher 37 Farmers 70 Students 877	-	948
14	Agricultural Exhibition	05	-

4.2 Regional Extension Centre:

Extension activities by Regional Extension Centre, College of Agriculture, Kolhapur, 2015-16

Sr. No	Name of activity	No. of activities	No. of Beneficiaries
1.	Demonstrations and farm trials	25	-
2.	Monthly district workshops	06	-
3.	Monthly Field Visit	11	257
4.	Farmers rallies	25	3570
5.	Farmers study tour	01	28
6.	No. of farmers visited to REC	975	975
7.	Doordarshan programme/TV Channel	12	-
8.	Radio programmes	01	-
9.	Publication sale	1050	-
10.	Training Programmes	44	2010
11.	Agril. Exhibition	12	-
12.	Farmers Club -Field visit/shivar pheries	11	357
13.	Mobile Van (No. of queries solved)	1134	5640
14.	Diagnostic team visit	10	25
15.	RAWE Programmes	38	1120

4.3 Linkages between farmers and scientists

In order to establish linkages between farmers and scientists, the activity of Farmers'-Scientists forum has been initiated since March, 2005. 96 farmers from various ten tahshils of Kolhapur district are the members of forum. The various extension programmes viz., seasonal trainings, group discussions, crop seminars, field visits, front line demonstrations, farmers' participatory adaptive research trials, Study tours, nomination for different awards, Diagnostic team visits etc., extension activities are regularly carried out. The exposure to farmers has been given through media by means of recording success stories in various TV channels or All India Radio Programmes as well as publishing success stories in magazines and newspapers.

5. Research:

The PG research programme is being carried out in the respective sections as per the directives of BOS. In following section RRC projects were undertaken during the year 2016-17

Agronomy: Multi location varital trail of sugarcane were conducted.

Agril. Economics: Research Project was submitted and presented in the RRC 2017 on Trends in area, production and productivity of selected oilseeds in Western Maharashtra on 8 th January, 2017

Extension Education: Research Project viz., 'Assessment of Knowledge and Adoption of crop production technology of Sugarcane with special reference to intercropping in sugarcane crop by the respondents from Kolhapur district' was submitted and presented in the Research Review Committee meeting on 10/01/2017 for the year 2016-17.

Horticulture- The multi-location trial on Papaya is in Progress. The research trial of M. Sc. (Hort.) student with respect to Musk melon, Sweet paper and Spine gourd is in progress.

Entomology: Mass production of Entomopathogenic nematode is in progress and Mass production of Matatarhizium anisopliae started in Lab. is in progress

6. Seed and Biofertilizer Production

Seed Production:2016-17

Sr. No.	Season & Name	Variety	Stage	Area (ha.)	Yield (q)
A. Kharif					
1	Paddy	Indrayani	Certified	3.13	18.15
2	Soybean	KDS-344	Breeder	3.90	33.00
B. Rabi					
1.	Wheat	Phule Samadhan	Truthful	5.77	125.00
2	Sugarcane	Different	Breeder	2.56	4,42,900 Two eye bud setts

Biofertilizer Production:

	Name of the Bio agent	Previous balance 31/3/15 (Kg)	Production and sale (Kg) 1/04/2015 to 31/03/2016		
			Production	Sale	Amount
1	Azotobactor	10.250	1026.000	1026.000	4104.00
2	Rhizobium	Nil	612.000	612.000	24480.00
3	P.S.B	40.000	3031.000	3031.000	121240.00
4	Azospirillum	Nil	351.750	351.750	14070.00
5	Acetobactor	37.000	3579.000	3579.000	143160.00
Bioagent					
	Decomposting culture		877.000	877.000	61350.00
	Trichoderma		1009.250	1009.250	58650.00
Bio-fertilizer Liquid (Lit)					
	Acetobactor	3.500	306.500 Lit.	306.500 Lit.	43850.00
	P.S.B	12.500	293.000	293.000	151435.00
	Total		11085.500	11085.500	622339.00

7. Receipts generated:

Receipts Generation during the year 2016-17

Sr. No.	Particulars	Receipt (Rs. In lakh)
1.	Agronomy Farm	19.76
2.	Dairy Farm	9.87
3.	Horticulture Section	7.23
4.	Biofertilizer Production Unit	6.22
	Total	43.08

8. Human Resource Development:

1. Prof R.M.Khadtare, Asstt. Professor of Plant Pathology, attended the short training on Futuristic Agricultural Education held at S.V.Agriculture College, Tirupati during 15.9.2016 to 24.9.2016.
2. Dr. B.S. Kadam, Asstt. Professor of SSAC attended the short term training on "Futuristic Agricultural Education" held at S. V. College of Agriculture, Tirupati (A.P.) from 15. 09. 2016 to 24.09.2016.
3. Dr. B.S. Kadam, Asstt. Professor of SSAC attended the short term training on 'Advances in Soil Testing and Sol Test Crop Response (STCR) Based Fertilizer Management' held at IISS, Bhopal during the period from 23.08.2016 to 01 09.2016
4. Dr. D. S. Patil, I/C Professor of SSAC, Dr. R. V. Kulkarni, Asso. Prof. of SSAC, Prof. S. M. Jagtap, Asstt. Professor of SSAC, Dr. B.S. Kadam, Asstt. Professor of SSAC attended Dr. S. P. Raychaudhuri Memorial Lecture,

2016, delivered by Dr. Tapas Bhattacharyya, Hon. Vice Chancellor of Dr. BSKKV, Dapoli organized by Rahuri delivered in Chapter of Indian Society of Soil Science at MPKV, Rahuri on 20.08.2016.

5. Dr. D. S. Patil, I/C Professor of SSAC, Dr. R.B. Pawar, Asstt. Professor of SSAC, attended, participated and presented the research paper in seminar organized by Dapoli Chapter of Indian Society of Soil Science and Department of Soil Science & Agril. Chemistry BSKKV, Dapoli during 22.09.2016 to 23.09.2016 at Dapoli.
6. Er. A.B.Deshpande delivered lecture on ‘ Drip Irrigation for sugarcane ‘ in farmers Rally organized by Sadashivrao Mandalik Co-op. Sugar Factory Ltd. at Daultwadi on 6th August 2016.
7. Dr.V.S.Patil Asstt.Prof. of Plant Pathology attended short training course on ‘‘Agro-Ecotourism’’ at ICAR center Old Goa during 31.10.2016 to 9.11.2016.
8. Dr. S. S. Dhumal acted as Module co-ordinator and attended the meeting at IARI, New Delhi during 05 to 06 October, 2016.
9. Dr. S. S. Dhumal attended the International Seminar on Recent Trends and Experimental Approaches in Science, Technology and Nature held at Lucknow during 23 to 24 December, 2016.
10. Dr. V. K. Garande, I/c Professor of Horticulture, Dr. D.K. Kamble, I/c Professor of AHDS, Dr. D.D. Patange, Asstt. Professor of AHDS, Prof. S.J. Patil, Asstt. Professor of AHDS and Dr. S. S. Dhumal Asstt. Professor of Horticulture attended one day International seminar on ‘Opportunities in Maharashtraian agriculture for students and research based on Israel experience of Innovation and entrepreneurship in Agriculture’ organized by Belgave education Pvt. Limited, Sangli on 30/11/2016.
11. Dr. S. S. Dhumal, Asstt. Professor of Horticulture, completed certified professional course on ‘Export Management of Horticultural crops’ organized by MSME and IDEMI, India held during 30.1.2017 to 1.2.2017 at Kolhapur.
12. Dr. S.S. Dhumal, Assistant Professor of Horticulture attended International Course on Postharvest physiology, pathology and handling of fresh commodities organized by MASHAV, with CINADCO and ARO, State of Israel at the Volcani Agricultural Complex, Tel Aviv, Iseral from 5-24th February, 2017.
13. Dr. S. S. Dhumal, Asstt. Professor of Horticulture Attended round table conference on Innovations in Development as Expert Panelist along with Dr. Kim Jim , President, IRBD (World Bank), on 16th February, 2017 at Tel Aviv, Israel.

14. Dr. A.S. Bagde attended 21 days Training Programme Insect Taxonomy at GKVK, UAS, Bangalore during January- February,2017
15. Dr. V. K. Garande, Professor of Horticulture worked as Resource Person in the National Poster Competition on theme “Food Nutrition” organized CSIBER Kolhapur on 20/01/2017.
16. Dr. V. K. Garande, Professor of Horticulture participated in One Day Workshop on State Level Marathi Wikipedia organized at MPKV, Rahuri 07/01/2017.
17. Dr. V. K. Garande attended IInd International Conference of Agril. Economics organized at MPKV, Rahuri during 10 to 11th February, 2017.
18. Dr. V. K. Garande, Professor of Horticulture, Prof. D. R. Patgaonkar, Asstt. Professor of Horticulture and Dr. S. S. Dhumal Asstt. Professor of Horticulture attended the meeting with Monitoring team from ICAR at MPKV, Rahuri during 06 to 07/03/2017.
19. Dr. D.K. Kamble, Professor of ASDS and Dr. D.D. Patange, Asstt. Professor, ASDS attended National Conference on Dynamism in Dairy Industry at AAU, Anand, Gujarath during 4-5 February, 2017
20. Dr. R.R. Suryawanshi, Professor of Agril. Economics, Dr. V.K Garande, Prof. of Horticulture, Dr. V.J. Tarde, Professor of Extn. Education, Prof. B.B. Gawade, Associate professor of Agril. Economics, Dr. B.T. Kolgane, Associate Professor of Ext. Education, Prof. M.R. Shevale, Asstt. Professor of Statistics, Prof. R.M. Khadtare, Asstt. Professor of Pl. Pathology, Dr. P.U. Raundal, Asstt. Prof. of Agronomy, Dr. H.R. Shinde, Dr. M.S. Jadhav, attended II International Conference of Agricultural Economics-2017 organized by MPKV, Rahuri during 10 and 11th, February, 2017.

9. Awards/ Achievements :

1. Dr. V.J. Tarde, Professor of Extn. Education and Prof. S.A. Patil, Asstt. Professor of Entomology received Best Agril. Scientist Awards 2016 from Bhima Creative Group Kolhapur.
2. Dr. S. S. Dhumal awarded Young Scientist Award and Best Paper award in the International Seminar on Recent Trends and Experimental Approaches in Science, Technology and Nature held at Lucknow during 23 to 24 December, 2106.

10. Important Visits:

1. Dr. K.P.Vishwnatha, M.P.K.V., Rahuri Hon'ble Vice Chancellor, visited College of Agriculture taken review of actions initiated by various sections of the college and guided the faculty members 18/04/2016

2. KVK, Site selection committee Hon'ble Dr. S. N. Puri Dr. Y. G. Prasad, Director ATARI, Hyderabad, Dr. Anand Singh, Director of Extension, Telagana Agriculture University, Hyderabad, Dr. K. V. Prasad, Directorate of Floriculture, Res. Dr. K. D. Kokate, Director of Extension Education, MPKV, visited college on 4/03/2017
3. Hon'ble Dr. Budhajirao Mulik, Governor nominee member MCAER, Pune of visited college on and guided the staff and students 21/03/2017

11. Important Events:

1. The International Yoga Day was celebrated on 21st June 2016. Staff & Student's attended this Function.
2. The Agricultural Education Day was celebrated on 23th June, 2016. Shri. Sanjay Pawar, Deputy Collector, Kolhapur, Shri. Sanjay Shinde, Deputy Collector, Sangali , & Shri. Ananda Patil, Member of Extension Education Council, MPKV, Rahuri were the Chief Guests of this Programme. They guided the students about Opportunities in Competitive Examination & Opportunities in Agricultural Farming. Dr. G.G. Khot , Associate Dean , College of Agriculture Kolhapur was the president of this Programme. Shri. Sudharma Jamsandekar, Regional Statistician, Kolhapur Shri. Shital Bagi, Zonal Officer, Bank of Maharashtra, Kolhapur, Shri. Gulabrao Dhumal, Seema Bio- Tech, Talsande & Shri. Sambhaji Mali, Green House Farmer were other Resource persons participated in the programme and the students about career opportunities in Agriculture and allied sectors. More than 50 students alongwith their parents were present for the programme.
3. Rajarshi Shau Maharaj State Level Elocution Competition was organized in by College of Agriculture, Kolhapur and ACK Alumina Association at College of Agriculture, Kolhapur during 28-29 June, 2016. Sixty seven participant from various Agricultural College from all over Maharashtra participated in this competition.
4. The Birth Anniversary of Vasantryao Naik was celebrated on 1st July, 2016. On this Occasion Shetkari Melawa at Manpadale and Krishi Din & Tree plantation Programme was celebrated



at A.C. Kolhapur on 1 July, 2016 under the chairmanship of Dr. G. G. Khot, Associate Dean, AC Kolhapur. Shri. Chandrashekhar Yadav, President of Rotary Club, Kolhapur was the Chief Guest for the program. All Heads of section, staff, students attended the Function.

5. Tree plantation Programme in coordination with Rotary club Kolhapur. Dr. G. G. Khot, Associate Dean, Chief, Guest Shri. Chandrashekhar Yadav, President of Rotary club, Kolhapur, District forest officer Shri. Dadasaheb Shedage, Secretary Shri. Krishann, Shri.Subhash Mali Dr. V. J. Tarde and all Heads of Section, College of Agriculture, Kolhapur.

MAHATMA PHULE KRISHI VIDYAPEETH
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No. ACK/ T.O./ AR/ 937 /2016

Date: **12.06.2017**

To,

The Dean (F/A) and Director of Instruction,
Mahatma Phule Krishi Vidyapeeth,
Rahuri- 413722,
Dist- Ahmednagar.

Sub.: Annual Report 2015-16 of College of Agriculture, Kolhapur for
University Annual Report (2015-16)

Ref.: Out. No. EDN/Dean/Annual Report/200/2017, dated
31.05.2017

Respected Sir,

With reference to subject cited above please find enclosed herewith English and Marathi Annual Report 2015-16 of College of Agriculture, Kolhapur in hard and soft copy for favour of information and further needful please.

Thanking you,

Yours faithfully,

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Sd/-
Associate Dean
College of Agriculture
Kolhapur