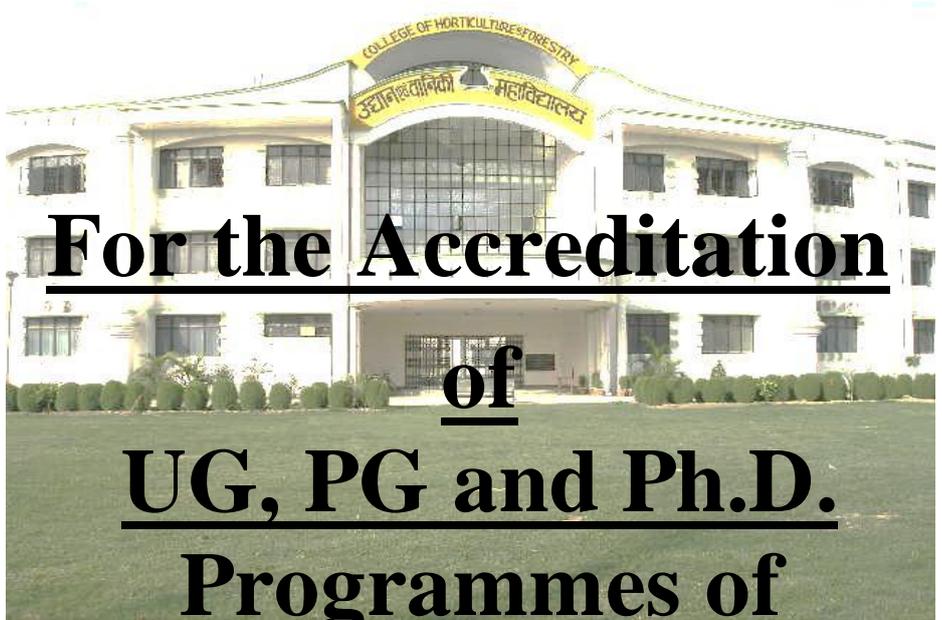




Self Study Report



For the Accreditation

of

UG, PG and Ph.D.

Programmes of

College of

Horticulture and

Forestry

(2013-14 to 2017-18)



**College of Horticulture and Forestry,
Acharya Narendra Deva University of
Agriculture and Technology
Kumarganj, Ayodhya-224229, U.P., India.**

Steering Committee

Dr. O. P. Rao, Dean	Chairman
Dr.S. Pathak, HOD (Fruit Science and Vegetable Science)	Member
Dr.A.K. Singh, HOD (Floriculture and Landscape)	Member
Dr. Bhagwan Deen, HOD (Post Harvest Technology)	Member

Prepared By:

- **Dr. O. P. Rao, Dean**
- **Dr.Sanjay Pathak, Prof. and Head-PHT of Hort.Crops**
- **Dr.A.K. Singh, Head-Fruit Science & Agroforestry**
- **Dr.G. C. Yadav, Associate Professor, Vegetable Science**
- **Dr.Sanjay Kr. Verma, Asst. Professor, Agroforestry**

Self-Study Report for the Accreditation
of
UG, PG and Ph.D. Programmes and
College of Horticulture and Forestry

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About College of Horticulture and Forestry

The College of Horticulture and Forestry (CHF) is located in main campus of N.D.U.A.T., Kumarganj, Ayodhya(U.P.) 42 km away from Ayodhya on Ayodhya-Raibareilly road at Kumarganj. The geographical area under the jurisdiction of the college is spread over in three zones namely, North Eastern Plain Zone, Eastern Plain Zone and Vindhyan Zone comprising 27 districts of Uttar Pradesh to strengthen the teaching, research and extension programmes.

Initially the department of Horticulture was initiated in the year, 1977 and the work on Horticultural crops were started at the Crop Research Station, Masodha and shifted to the main campus of the University at Kumarganj. Initially all the branches viz., Fruit Science, Vegetable Science, Ornamental Horticulture and Post-Harvest Technology were included in the Department of Horticulture. Later on, in the year, 1980 a separate department of Vegetable Science was established. The post graduate programmes were started in the year 1981 in College of Agriculture in disciplines of Horticulture and Vegetable Science. The department of Forestry was established in the academic year 1987-88, which was divided into two departments namely : (i) Department of Agroforestry and (ii) Department of Forest Ecology and Environment with the establishment of College. The College of Horticulture and Forestry was established in 2006 with seven departments: (i) Fruit science (ii) Floriculture and Landscaping (iii) Postharvest Technology of Horticultural Crops (iv) Vegetable Science (v) Medicinal and Aromatic Plants (vi) Agroforestry (vii) Forest Ecology and Environment and B.Sc.(Horticulture) programme. The postgraduate degree was started in the discipline of Agroforestry and Forest ecology and environment in the year 2009 and 2010 respectively. The new building of College of Horticulture and Forestry was constructed in the University Campus in 2009 which was inaugurated by Hon'ble Vice-Chancellor, Dr. Basant Ram on 11-12-2009. Presently following degree programmes are running in College of Horticulture and Forestry:

Sl. No.	Name of Degree Programme	Discipline
1.	B.Sc.(Horticulture) Hons.	Horticulture
2.	M.Sc.(Horticulture) Fruit Science & Ph.D. Horticulture	Fruit Science
3.	M.Sc. & Ph.D. (Horticulture) Vegetable Science	Vegetable Science
4.	M.Sc. (Forestry) Agro forestry Ph.D. (Forestry) Agro forestry	Agro forestry To be re-started from academic session 2019-20

The academic campus of the college is spread over on an area of about 3.0 acres. The total farm area including Main Experimental Stations is about 1099 acres. The college from its very inception has adopted a very progressive policy and extended all possible facilities to the students for their better education and co-curricular activities.

**Self Study Report
for the
Accreditation
of
B.Sc.(Hort.) Hons.**



**College of Horticulture and Forestry,
Acharya Narendra Deva University of
Agriculture and Technology
Kumarganj, Ayodhya-224229, U.P., India.**

Self-Study Report for the Accreditation of B. Sc. (Hort.), College of Horticulture and Forestry, N.D.U.A.T., Kumarganj, Ayodhya

6.4.1 Brief History of Degree programme:

The College of Horticulture and Forestry was established in 2006 with B.Sc.(Horticulture) programme and seven departments: (i) Fruit science (ii) Floriculture and Landscaping (iii) Postharvest Technology of Horticultural Crops (iv) Vegetable Science (v) Medicinal and Aromatic Plants (vi) Agroforestry (vii) Forest Ecology and Environment.

The academic campus of the college is spread over on an area of about 3.0 acres. The total farm area including Main Experiment Stations is about 1099 acres. The college from its very inception has adopted a very progressive policy and extended all possible facilities to the students for their better education and co-curricular activities.

Objectives:

- To provide teaching environment and facilities to develop human resource, who can able to take the responsibility and challenges of Horticulture.
- To teach and train the students to make them resourceful and entrepreneurial.
- To provide technical and practical end to end exposure to students in field of Horticulture for skill development related to production, value addition, management, marketing and self employment.
- Establishment of nursery of fruits, ornamental, medicinal and aromatic crops and supply to research institutes and farmers.
- Landscaping and beautification of main campus
- To collaborate with national and international institution/agencies involved in teaching, research and developmental programs in the field of Horticulture and forestry.

Accomplishments:

The College of Horticulture and Forestry admits on an average 40 students/year for graduate programme through the Combined Agriculture & Technology Entrance Test (CATET) organized at state level. In the last five years 103 students have been awarded B.Sc. (Hort.) Hons. degree and 168 students are studying.

6.4.2 Faculty strength:

UG students are getting teaching and practical facilities from thirteen departments of College of Agriculture along with College of Horticulture and Forestry as follows:

Faculty for B.Sc. (Hort.) Teaching Program	Teaching positions College of Horticulture and Forestry		
	Sanctioned	In-Place	Vacant
Professor	02	02	-
Associate Professor	04	03(1-Prof. CAS,)	01
Assistant Professor	06	05(2 Prof., 2 Assoc. Prof.)	01
Guest Faculty	03	01	02
Sub total	15	11	04
Advertised post (Annexure-I)			
Associate Professor(Plant Protection)	01	00	01
Assistant Professor(Floriculture and landscaping)	01	00	01
Assistant Professor(Post harvest technology)	01	00	01
Assistant Professor(Basic Science)	02	00	02
Assistant Professor(Natural resource management)	03	00	03
Assistant Professor (Social Science)	02	00	02
Sub Total	10	00	10
To Be Advertise(Annexure-II)			
Professor	03	-	03
Associate Professor	02	-	02
Assistant Professor	08	-	08
Dean	01	-	01
Sub total	14	-	14
College of Agriculture			
Professor	6		-
Associate Professor	12		-
Assistant Professor	22		-
Sub Total	40	11	-
Total	79	11 (with one guest faculty)	29

Faculty involved in teaching for B.Sc. (Hort.) Hons. degree programme

Faculty strength						Faculty Recommended by the ICAR/UGC/VCI/other regulatory bodies
	Faculty in- place					
	College of Horticulture and Forestry		College of Agriculture		Total	
	Teaching	Research	Teaching	Research		
Professor	2	-	6	1	9	8
Associate Prof.	3	1	12	3	19	11
Assistant Professor	5	10	21	8	44	31
Guest Faculty	1	-	7	-	8	
Total	11	11	46	12	80	51

Faculty involved in B.Sc. (Horticulture) Hons. teaching programme													
Name of Department	Sanctioned Post				In Place				Vacant				
	Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty	Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty	Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty	
Teaching faculty of College of Horticulture and Forestry involved in B.Sc. (Horticulture) Hons. Teaching programme													
	Fruit Science	01	02	02	01	01	02	02	-	-	-	-	01
	Vegetable Science	01	01	01	01	01	-	-	01	-	01	01	-
	Landscaping	-	01	-		-	01	-		-	-	01	
	Agroforestry	-	01	03	01	-	-	02	-	-	01	01	01
	Post-harvest Technology	01	-	-		-	-	-	-	01			
Research faculty of College of Horticulture and Forestry involved in B.Sc. (Horticulture) Hons. Teaching programme													
	AICRP Arid Fruit Zone	-	-	03		-	-	01		-	-	02	
	AICRP Agroforestry	-	01	01	-	-	-	01	-	-	01	-	-
	Medicinal and Aromatic Plants	-	-	03		-	-	02		-	-	01	
	Research Project on Vegetables	-	01	04		-	-	01		-	01	03	
	AICRP Potato	-	-	02		-	-	01		-	-	01	
	AICRP Vegetable Crops	-	-	01		-	-	01		-	-		
	AICRP Spices	-	-	-	-	1	1**	-	-	1	1*	-	-
	AICRP Medicinal and Aromatic Plants	-	-	03	-	-	-	03	-	-	-	-	-
	Total	03	07	23	03	03	04	14	01	02	05	10	02

Note- * , **at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

Teaching Faculty of College of Agriculture involved in B.Sc. (Horticulture) Hons. Teaching programme.

S.N.	Sanctioned faculty	Faculty in place		Vacant position	
		Teaching	Research	Teaching	Research
Agromony					
1	Professor	-	01	01	02
2	Associate Professor	01	01	-	01
3	Assistant Professor	02	04	-	01
Agril. Economics					
1	Professor	-	-	01	-
2	Assoc. Prof.	02	-	-	-
3	Asstt. Prof.	01	-	-	-
Agril. Statistics					
1	Professor	-	-	-	-
2	Associate Professor	01	-	01	-
3	Assistant Professor	01	-	01	-
4	Guest facility	03	-	-	-
Agril. Meteorology					
1	Professor	-	-	-	-
2	Associate Professor	-	-	02	-
3	Assistant Professor	03	01	01	-
4	Guest facility	01	-	-	-
Agri. Biochemistry					
1	Professor	-	-	-	-
2	Associate Professor	01	-	01	-
3	Assistant Professor	03	-	03	-
Crop Physiology					
1	Professor	-	-	1	-
2	Associate Professor	1	-	-	-
3	Assistant Professor	1	-	-	-
4	Guest facility	01	-	-	-
Extension Education					
1	Professor	01	-	-	-
2	Associate Professor	02	-	01	-
3	Guest facility	02	-	-	-
Entomology					
1	Professor	01	-	01	-
2	Associate Professor	01	-	01	-
3	Assistant Professor	02	-	-	-
Genetics & Plant Breeding					
1	Professor	01	-	01	-
2	Associate Professor	01	02	-	0-4
3	Assistant Professor	03	03	02	0-1
Nematology					
1	Professor	-	-	01	-
2	Assistant Professor	01	-	-	-
Plant Molecular biology and Genetic Engineering					
1	Professor	01	-	02	-
2	Associate Professor	01	-	02	-
3	Assistant Professor	02	-	03	-
Plant Pathology					
1	Professor	-	-	01	-
2	Associate Professor	-	-	01	-
3	Assistant Professor	-	-	01	-

4	Guest faculty	02	-		-
Soil Science & Agricultural Chemistry					
1	Professor	02	-	01	-
2	Associate Professor	01	-	01	-
3	Assistant Professor	02	-	02	-
	Total	39		33	-

6.4.3 Technical and Supporting Staff : The position of the technical and supporting staff of the B.Sc. (Hort.) Hons. Degree Programme including farm and field workers are as follows:-

Non-Teaching Staff					
Sl. No.	Name of Department	Name of Sanctioned Post	Sanctioned Post	In Place	Vacant
1-	Fruit Science	Horticulture Inspector	01	01	-
		Horticulture Supervisor	02	01	01
		Stenographer	01	-	01
		Assistant Accountant	01	01	-
		Lab Assistant	02	02	-
		Jr. Assistant	01	01	-
		Account Clerk	01	01	-
		Tractor Driver	01	-	01
		Tube Well Operator	01	01	-
		Budder	05	02	03
		Head Mali	01	-	01
		Udyan Chaudhary	01	01	-
		Mali	05	03	02
		Attendant	01	01	-
		Chaukidar	01	-	01
	Post-harvest Technology	Lab Technician	01	01	-
		Store Keeper/ Sr. Assistant	01	-	01
		Lab Attendant	01	01	-
	AICRP Arid Fruit Zone	S.T.A.	01	01	-
		Field Assistant	01	-	01
		Lab Assistant	01	01	-
		Lab Attendant	01	01	-
		Mali	03	03	-
	AICRP Agroforestry	Technical Assistant	01	01	-
		Fieldman	01	01	-
	Medicinal and Aromatic Plants	Technical Assistant	01	01	-
		Field Assistant	02	02	-
		Jr. Assistant	01	01	-
		Beldar	02	02	-
	2-	Vegetable Science	Stenographer	01	01
Accounts Clerk			01	-	01
Jr. Assistant			01	01	-
Lab Assistant			02	02	-
Tractor Driver			01	01	-
Tube Well Operator			01	01	-
Attendant			01	01	-
Mali			03	03	-
Horticulture Supervisor			01	01	-
Research Project on Vegetables			Sr. Research Associate	01	01
		Research Assistant	01	-	01
		Sr. Assistant/Storekeeper	02	02	-
		Chaukidar	02	01	01
AICRP Potato		Technical Assistant	02	02	-
		Mali	01	01	-
AICRP Vegetable Crops		Technical Assistant	02	01	01
AICRP Spices		Technical Assistant	01	01	-

3-	Landscaping	Head Mali	01	-	01
		Jr. Horticulture Chaudhary	01	01	-
		Mali	03	02	01
4-	Production Processing of Fruits in Usar Wasteland	Horticulture Supervisor	01	01	-
		Sr. Asstt./Storekeeper	01	01	-
		Budder	02	-	02
		Mali	02	01	01
Total			76	54	22

Technical and Supporting Staff : College of Agriculture

S.N.	Sanctioned faculty	Faculty in place	Vacant position
Agronomy			
1.	Steno	-	01
2.	Lab Asstt.	02	-
3.	Acctt. Clerk	01	-
4.	Jr. Clerk	01	-
5.	Attendant	01	-
Agril. Economics			
1	Junior Economic Investigator	02	-
2	Computer	-	01
3	Junior Assistant	01	-
4	Lab Assistant	02	-
5	Assistant Accountant	01	-
6	Ashulipik (Steno)	-	01
7	Attendant	-	01
Agril. Statistics			
1	Steno	01	01
2	Lab assistant	01	01
3	Accounts clerk	01	01
4	Junior clerk	01	01
5	Attendant	01	01
Agril. Meteorology			
1	Meteorological Observer	01	-
2	Field Assistant	01	-
3	Attendant	01	-
Biochemistry			
1	Lab. Asstt.	05	03
2	Steno	01	01
3	Acctt. Clerk	02	-
4	Jr. Clerk	01	01
5	Attendant	01	01
Crop Physiology			
1	Field Assistant	01	-
2	Attendant	03	02
Extension Education			
1	Stenographer	01	-
2	Accounts Clerk	01	-

3	Jr. Clerk	01	01
4	Lab. Assistant	01	-
5	Attendant	01	-
Entomology			
1	Stenographer	01	-
2	Acctt. Clerk	01	-
3	Lab. Asstt.	03	01
4	Attendant	01	-
5	Jr. Clerk	01	-
Genetics & Plant Breeding			
1	Stenographer	01	-
2	Lab Asstt.	03	01
3	Accountant Clerk	01	-
4	Jr. Asstt.	01	-
5	Lab Attendant	01	-
Nematology			
1	Laboratory Assistant	01	-
2	Stenographer	01	-
3	Accounts Clerk/Assistant. Accountant	01	-
4	Junior Assistant	01	-
5	Laboratory Attendant	01	-
6	DLC Labour	01	-
Plant Molecular Biology and Genetic Engineering			
1	Laboratory Assistant	01	01
2	Account Clerk	01	01
3	Attendant	03	02
Plant Pathology			
1	Junior Clerk	01	-
2	Junior Steno/ Computer Assistant	01	-
3	Lab Assistant	03	-
Soil Science			
1	Senior Stenographer	01	01
2	Glass Blower	01	-
3	Laboratory Technician	01	-
4	Laboratory Assistant	01	01
5	Assistant Accountant	-	02
6	Junior clerk	01	-
7	Attendant	-	02

Department wise Ministerial/Technical Positions : Department wiseministerial/ technical position are mentioned infollowing table :

SI. No.	Name of Department	Ministerial/Technical in working
1-	Department of Vegetable Science	1. Amar Nath Singh Yadav 2- Shri. Anil Kumar Singh, Jr. Assistant

		3- Shri. Ganga Prasad Singh, Lab Assistant
		4- Shri. Ram Sagar Verma, Lab Assistant
		5- Shri. Satya Narayan, Hort. Supervisor
	Vegetable Research Project	1- Shri. Pramod Kumar, Sr. Assistant
		2. Shri. N.K. Srivastava, Senior Assistant
	AICRP Potato Research Project	1- Dr.Amar Pal Singh, Technical Assistant
		2- Dr.Ratnesh Kumar Srivastava, Technical Assistant
	AICRP Spices	2- Shri. Raj Kumar Gupta, Technical Assistant
	AICRP Vegetable Crops	1- Shri. Shiv Saran, Fieldman
2-	Fruit Science Department	1- Dr.Angad Singh, Hort. Inspector
		2- Shri. Devesh Singh, Hort. Supervisor
		3- Shri. Rajesh Kumar Singh, Assistant Accountant
		4. Shri. Y.N. Mishra, Lab Assistant
		5. Km. Quaser Warsi, Lab Assistant
		6- Shri. Udai Raj, Jr. Clerk
		7- Shri. Rameshwar Tiwari, Accounts Clerk
	AICRP Arid Fruits	1- Shri. Nand Lal Sharma, S. T.A.
		2- Shri. Ram Shankar Gupta, Lab Asstt.
3-	Department of Post-Harvest Technology	1- Shri. Sudhir Kumar Singh, Lab Technician
4-	Department of Agroforestry	-
	AICRP on Agroforestry	1. Dr.R.J. Gupta, J.R.A.
		2. Shri.Asutosh Singh, Fieldman
5-	Department of Floriculture and Landscape	-
	Production Processing of Fruits in Usar Waste Land	1. Dr.Akhilesh Kumar Singh, J.R.A.
		2. Shri. T.P. Singh, Sr. Clerk
6-	Department of Medicinal and Aromatic Plants	1. Shri. T.P. Singh, Field Assistant
		2. Dr.C.M. Ojha, Technical Assistant
		3. Shri. B.D. Singh, Jr. Clerk
		4. Shri. Shesh Mani Srivastava, Field Man
	Dean, CHF Office	1. Shri. Rajesh Singh, Asstt. Accountant (attached to Dean office)
		2. Shri. T.P. Singh, O.S. (attached to Dean Office)

Department wise Scientific/Teaching Positions –Fruit Science

SI. No.	Name of Department	Scientist/Teachers in working
1-	Department of Vegetable Science	Dr.P.K. Singh, Professor
	Vegetable Research Project	1. Dr.Vijay Bahadur Singh, Assoc.Professor
		2. Dr.C.N. Ram, Assoc. Professor
	AICRP on Potato	1. Dr.Raj Kumar Pathak, Assistant Professor
	AICRP Spices	1. Dr.V.P. Pandey, Professor, (looking after activities of Dean and Head, Veg. Science)
AICRP Vegetable Crops	1. Dr.G.C. Yadav, Associate Professor	
2-	Fruit Science Department	1. Dr.A. K. Singh, Associate Professor (looking after activities of Head, Fruit Sci. and Agro forestry)

		2. Dr.Sanjay Pathak, Professor
		3. Dr.D. Ram, Professor
		4. Dr.Bhagwandeem, Professor
		5. Dr.Ashok Kumar, Associate Professor
		6. Dr.Bhanu Pratap, Associate Professor
	AICRP Arid Fruits	1. Dr.H.K. Singh, Assistant Professor
3-	Department of Post-Harvest Technology	1. Dr.Sanjay Pathak, Professor (looking after activities of Head, PHT of Horticulturalcrops)
4-	Department of Agroforestry	1. Dr.O.P. Rao, Professor
		2. Dr.S.K. Verma, Assistant Professor
		3. Dr.Ashmita, Assistant Professor
	AICRP on Agroforestry	1.Dr.A.K. Singh Parihar, Associate Professor (retired on 31/01/19)
5-	Department of Floriculture and Landscape	1. Dr.A.K. Singh, Associate Professor
6-	Department of Medicinal and Aromatic Plants	1. Dr.Subodh Kumar Pandey, Assistant Professor
		2. Dr.D.P. Mishra, Assistant Professor
		3.Dr.Amar Pal Singh, Assistant Horticulturist

6.4.4 Classrooms and Laboratories:

The College of Horticulture and Forestry have four classrooms, nineteen well equipped laboratories (Six in CHF plus thirteen in COA), and one thousand ninety nine acres of farm facilities for completion of B.Sc. (Horticulture) Hons. degree programme. These facilities are enough to fulfill the requirements of graduation degree in horticulture.

UG students are getting teaching and practical facilities from thirteen different departments of College of Agriculture along with College of Horticulture and Forestry. Details of classrooms and laboratory facilities for B.Sc. (Horticulture) Hons. degree programme are as follows:

S. No.	Degree Programme	Number
College of Horticulture and Forestry		
1.	UG Class Room	4
2.	Laboratory	
	Fruit Science	1
	Vegetable Science	1
	Post harvest technology	2
	Agro forestry	1
	Floriculture and land scape	1
	Total	6
College of Agriculture- laboratories		

	Agronomy	1
	Soil Science and Agricultural chemistry	1
	Genetics and Plant breeding	1
	Agricultural Biochemistry	1
	Agricultural Economics	1
	Extension Education	1
	Agricultural Meteorology	1
	Agricultural Statistics	1
	Nematology	1
	Plant Pathology	1
	Entomology	1
	Plant molecular biology and genetic engineering	1
	Crop Physiology	1
	Total	13



Class room of B.Sc. (Hort.) Hons.

Laboratory Facility: Following facilities are available in different laboratories for B.Sc. (Horticulture) Hons. degree programme

Departments of College of Horticulture and Forestry				
S. No.	Fruit Science	Post Harvest Technology	Medicinal & Aromatic Plants	Floriculture & Landscape
1	Digital spectro photometer nf	Pulper machine	Top Pan Balance (5kg)	Lawn mower machine-6
2	Auto clave	Grater machine	Leaf Area Meter	Water tanker -1
3	Analytical balance	Fruit/ vegetable slicer machine	Spectrophotometer	Pump-2
4	Chaino metric balance	Potato peeler	Rotary Vaccum Pump	Power Triller
5	Weight Box	Hand refractometer of different range	Heating Mental	Foot spryer
6	Seed Storage cabinet	Crown carking machine	Lux Meter Digital MAC	Spade-62 Pruning scissor-4

7	Decimal Triple beam balance cap 3 kg	Basket press juicer	Godrej Refrigerator	
8	Plant Grinder (willey mill) size 40.20mm with 0.25 HP motor (nf)	Steam jacket kettle	BOD Incubator	
9	Hand Refractometer	Atomic absorption spectroscopy(Not in working condition)	Autoclave Vertical	
10	Laboratory Heating plate .	U V Spectrophotometer	Microprocessor based Leaf Area Meter Spectro	
11	photo electric calorimeter 0-10 44154 with filter (nf)	Distillation plant	Digital Microscope with LCD Fisher	
12	Rotatory microtome (nf)	Potato slicer		
13	Auto clave vertical	Physical balance		
14	Hot air oven	Digital physical balance		
15	P.C. Based automatic absorption spectrophotometer double beam with compressor	Digital chemical balance		
16	Seed germinator (double chamber)	Hot air Oven		
17	Quick freezer	pH meter		
18	Distillation unit	Firmness tester		
19	Spirit Lamp	Pricking machine		
20	Sieve 20,40 mesh	Auto clave		
21	B.O.D Incubator (low temp.)	Pasteurization chamber		
22	Plant growth chamber (MAC)	Juice filling machine		
23	Soil Auger Screw type 50mm	P.P Cap sealing machine		
24	Screw gauge 25mm,50mm	Ball mill		
25	Venire callipers	Mixi		
26	Chromatography cabinet for 4 (nf)	Refrigerator		
27	Refrigerator	Two Frozen Chamber		
28	Media sterilization system autoclave			
29	Water bath			
30	Gas generator from photometer (nf)			
31	Lux meter 50K (nf)			
32	Vaccum pump `with 1.5 HP motor (nf)			
33	Kjeldhal digestion unit micro (nf)			
36	Shaking machine (kahni type) with cover body fixed speed with timer			
37	laboratory mill (willey type with 0.5HP meter			
38	Bacteriological Incubater memmert type , stainless steel with extra for air cooler fan			
39	Measuring tape 30mt.			
40	B.O.D. Incubator.			
41	B.O.D. Incubator automatic			
41	Seed storage cabinet - 30 trays			
43	Digital electronic top loding balance			
44	Poly pouch seeling machine (nf)			
45	U.V. radiation seed viewing cabinet			
46	Digital pH meter			

47	Digital conductivity meter (nf)		
48	Digital photo electric calorimeter model		
49	Flame photometer without automatic ignition <i>cat CL 361 Eleco optional calcium filter for above (nf)</i>		
34	Moisture box cop.250gm for soil sample(nf)		
35	Rapid moisture meter 0-50% with weight		

College of Agriculture - List of equipments for B.Sc. (Hort.) Hons. practical classes					
Name of equipments	No.	Name of equipments	No.	Name of equipments	No
Agronomy		Agril. Biochemistry		Agril. Economics	
Grinder	01	Centrifuge	1	Computer (Desktop, CPU, Printer)	1
Electronic Balance	01	Muffle furnace	1	Overhead Projector	1
Chemical Balance	01	Distilled water plant (single)	1	Slide Projector	1
Distillation Unit	02	Water bath	1	Laptop	1
Balance Tripad	01	Electrical balance	1	LCD Projector	1
Spectro Photometer	01	Electrophoresis	1	Physical Balance	38
Balance (3 kg capacity)	01	pH meter	1	Agril. Meteorology	
LCD Projector	01	Hot Air Oven	2	Lux meter	01
Moisture meter	01	pH meter	1	Psychrometer	01
pH Meter	01	Oven	2	Net Radiometer	01
Flame Photometer	01	Electrophoresis	1	Electric oven	02
N-Analyzer	01	Spectronic-20	1	Balance	01
Leaf Area Meter	01	Spectro photometer	1	Soil heat flux plate	01
Oven	01	Stabilizer	3	Humidity chamber	01
Mechanical Shaker	01	Electronic balance	1	Infrared Soil moisture balance	01
Refrigerator	01	Agricultural Statistics		Extension Education	
EC meter	01	Computer	46	T.V.	01
Centrifuge	01	Crop Physiology		Overhead Projector	01
		Centrifuge Machine	2	Camera handy cam	01

Plant Pathology		Electronic balance	2	Computer	02
		Chainometric balance	5	Laptop	01
Real Time PCR	01	Flame photometer	2	Entomology	
PCR	01	Leaf area meter	1	Centrifuge Machine	2
Lyophilizer	02	Chlorophyll meter	1	Electronic balance	2
Centrifuge	02	Microscope	1	Chainometric balance	5
Laminar Flow	02	Low term cabinet		Flame photometer	2
Hot Air Ovens	03	Oven	2	Leaf area meter	1
BOD Incubators	03	pH meter	1	Chlorophyll meter	1
Autoclave	02	Conductivity meter	1	Microscope	1
Refrigerators.	04	Spectrophotometer	1	Low term cabinet	
Gel Electrophoresis Unit	02	LCD	2	Oven	2
Seed Germinator	01	Computer	3	pH meter	1
ELISA Unit	01	Photocopier Machine	2	Conductivity meter	1
Electronic Weighing Balance	01	Soil Science & Agril. Chemistry		Spectrophotometer Shimadzu	1
Water Distillation Unit	01	Nitrogen Auto Analyzer	1	LCD	2
pH Meter	01	pH meter	2	Computer	3
Shaker	01	BOD Incubator with temperature and humidity control	2	Photocopier Machine	2
PMB&GE		Refrigerator 300 liters	1	Nematology	
PCR machine	2	Mixer/grinder	1	Compound Microscope	01
Gel Doc	2	Microscope	1	Stereoscopic Microscope	09
Incubator	1	Autoclave Vertical Double wall Size 300x500	1	Auto clamp	01
Laminar air flow	3	Electrical Conductivity meter	1	B.O.D.	01
Shaker	1	Spectrophotometer	1	Incubator	01
Trans blot	1	Mechanical Shaker	1	Centrifuge	01
UV-Vis Spectrophotometer	1	Analytical balance	1	Analytical balance	01

Distillation unit	1	Hot air oven	1	Xerox Machine	01
Gene gun	1	Top Table Centrifuges	1	Grinder	01
Deep freezer	1	Suction Pump	1	Refrigerator	01
2D Gel unit 2-D	1	Distilled water unit Glass	2	Genetics and Plant Breeding	
Electrophoresis unit (Horizontal and vertical)	3	Muffle Furnace	1	Microscopes	20
Water Bath	1	Diamond Impregnated Cutting Wheel	1	Balance	3
Ice Flicker	1	Universal Blast Burner	1	Electronic Balance	2
pH meter	2	Triangular file	1		
HPLC	1	Diamond Glass Cutter	1		
ELISA reader	1	Glass Cutter Tubing	1		
Centrifuge	3	Soil Auger Screw Type	2		
Autoclave	2	Soil Salinity sensor	1		
Electronic balance	2	Hydro probe with accessories	1		
		Tensiometer	2		



Aonla Juice extraction by B.Sc. (Hort.) Hons. Students in lab

Farm Facilities:

Sr. No.	Name of the Farm(Agricultural Land)	Area (Acre)
1.	Department of Horticulture (MES)	50 Acre
2.	Waste Land Development Centre-II, Govindpur Farm	250 Acre
3.	Waste Land Development Centre-I, Akma Farm	750 Acre
4.	Department of Vegetable Science(MES)	32 Acre
5.	Department of Agro Forestry(MES)	17 Acre



B.Sc. Horticulture Students learning Propagation technique



UG Students in Practical Class

Farm Facilities

I	Item	Fruit Science	Medicinal & Aromatic Plants
1.	Tractor	02	1
2.	Power Tiller	01	-
3.	Cultivator	02	1
4.	Trolley	02	1
5.	Disc Plough	02	-
6.	Disc Harrow	02	1
7.	Ridge Maker	-	-
8.	Leveller	01	-
9.	Rotavator	01	-
10.	Pruning Knife	20	2
11.	Budding Knife	25	-
12.	Secateurs	30	1
13.	Kudal	20	15
14.	Darati	35	12
15.	Hand how	14	3
16.	Garden How	14	-
17.	Hazara	10	2
18.	Foot Sprayer	03	1
19.	Hand Sprayer	01	1
20.	Power Sprayer	02	-

21.	Tube well	03	-
22.	Diesel Engine	01	-
23.	Lawn Mover	02	-
24.	Garden tools kit	01	-
25.	Seed Germinator	01	1
26.	Sprinkler	01	-
27.	Packaging House	01	-
28.	Office	01	1
29.	Earthen Pot	400	50
30.	Sword(Grass Cutter)	-	-
31.	Iron Plate(Labelling)	-	-
32.	Plastic Plate(Labelling)	-	-
33.	Walking Cool Chamber	01	-
34.	Pouch Packing Machine	-	-
35.	Stitching Machine	-	-
36.	Motorcycle	-	-
37.	LPG Connection	-	-
38.	Tractor Rake	-	-
39.	Water Proofing Sheet	-	-
40.	Store	01	1
41.	Generator	01	-
42.	Thresher	-	-
43.	Weighing Balance	01	2
44.	Green House	01	1
45.	Poly House	01	1
46.	Threshing Floor	01	1

Workshops:

Workshops and instructional units being utilized at:

1. Govind Nagar farm,
2. Akma farm,
3. Main Experiment Station -Horticulture, Vegetable Science and Agroforestry

Theory and Practical Batch for the degree Programmes:

	UG Batch
Practical	1-3
Theory	1

6.4.5. Conduct of Practical and Hands-on-Training:

- UG students do their practical as well as learning as per syllabus in the six well equipped laboratories in the College of Horticulture and thirteen in College of Agriculture during morning and evening practical classes from 7.30 to 9.30 am and 2:40 to 4:40 pm respectively.

- Live field experience learning is being held at MES of horticulture, vegetable and forestry farms situated adjacent to the campus.
- Practical classes and live field experience learning are being conducted as prescribed in syllabus.
- Under Experiential Learning Programme, students select two areas for specialized training namely processing of fruits and vegetables for value addition and nursery production and management under ELP. These modules have been selected by all students from the beginning of B.Sc. (Hort.) programme. Under processing of fruits and vegetables- student prepared 20-25 types of processed products each year for marketing purpose and around 33 types of products for training and demonstration purposes.
- Students procure raw material from the market and university farms. They manage to have RTS/Nectar bottle and some utensils as per requirement from the market on hire basis and they prepare all products in the post harvest lab of the College. Students maintain machinery and equipments of lab from the profit of the products. They sell out their products in Kisan Mela and on demand in the university premises. Total profit of the products is distributed among the students.
- Under Rural Horticultural Work Experience programme students are getting eight weeks experiences on rural work (As per model no. 2 of fourth Dean's Committee). In this programme one farmer is identified in the selected village for two students to perform intensive study under the guidance of coordinator and teachers. Students thoroughly study about present status along with social, cultural and farming related activities of farmer as well as village. For these purposes a Performa is provided to them. In the end of programme students organize a KisanGosthi in which they present status of village along with causes of poor yield/ income and their solutions and also discuss their social and cultural activities in the presence of Hon'ble Vice Chancellor/ Dean, Course Coordinator, teachers, farmers and Gram Pradhan. Every year students gift clonal planting material to their adopted farmers at the end of the gosthi. In 2017 students gifted self developed seedlings of papaya Cv. Pusa Nahna to adopted farmers through Hon'ble Vice Chancellor. RHWE programme organized during last five years are as follows:

Details of RHWE programme

Sl. No.	Academic Session	Name of the village	Name of the district	No. of students participated		Total
				M	F	
1	2013-2014	Kotia	Faizabad	22	02	24
2	2014-2015	Tejwapur	Barabanki	58	03	61
3	2015-2016	Gasupur	Barabanki	51	01	52
4	2016-2017	Jalim Mallah ka purwa	Amethi	50	04	54
5	2017-2018	Purawali	Faizabad	53	02	55

6.4.6. Supervision of students in PG/Ph.D. programmes: Not applicable for students of UG programme.

6.4.7. Feedback of Stakeholders (Students, Parents, industries, employers, farmers, etc.):

- Teachers, HOD and Dean frequently take feedback from the students and act accordingly to excel the teaching as well as lab work so that students can complete their degree within time frame with sound knowledge and efficiency.
- At the end of B.Sc. degree program students give their feedback regarding experiential learning and RHWE along with their reports.
- Students also give feedback of whole degree program during their stay in the campus. Visitors of the different schools, colleges and farmers give their feedbacks through telephonic conversation and in written form. Feedbacks are taken care of to improve accordingly(Annexure III).

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

Name of the Degree Programme		Actual student admitted in last five years					Attrition(%)				
		2014-15	2015-16	2016-17	2017-18	2018-19 (Current Year)	2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)
B. Sc. (Hort.) Hons.	Sanctioned	61	60	40	40	40	14.76	8.34	7.5	10	2.5
	Actual	62	62	40	40	40					

6.4.9. ICT Application in Curricula Delivery:

Course on Computer application is offered to PG as well as Ph.D. students of Horticulture. Students learn online and offline related literatures search through network and CDR.OM, server, electronic mail, internet, creation and update of database.

- Wi-Fi/ net and Computer facility is available to almost all faculty members of the department to enrich and update their knowledge.
- We don't have separate computer lab for PG and Ph.D. students however they are free to use the central facility of ARIS lab.

- Teachers delivered lectures through multimedia projector along with blackboard teaching.
- Students delivered their seminars/assignment and presentation through multimedia projectors.
- Internet facility need to be improved for the fast surfing on Internet - Reliance jio has completed around 85 per cent work of Wi-Fi in the campus.
- We have requirement of at least three smart class rooms for effective use of ICT in theory and practical classes.- This is under process .
- One of our faculty member has developed a website.



6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for B. Sc. (Hort.) Hons. is given above.

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

Agreed.

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr. V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

Self Study Report for the Accreditation of M.Sc. (Hort.), College of Horticulture and Forestry, NDUAT

The College of **Horticulture and Forestry** has three M.Sc. programmes operational at present. Their details are as under:

6.4. Self-Study Report for the M.Sc. Programme No. 1

Name of the Programme: M.Sc. (Horticulture) Fruit Science

6.4.1. Brief History of the Degree Programme: M.Sc. (Horticulture) Fruit Science

The Department of Fruit Science under College of Horticulture & Forestry is located in main campus of N.D.U.A.&T., Kumarganj, Ayodhya U.P. 42 km away from Ayodhya Headquarter on Faizabad Raibareilly road at Kumarganj. Department of Fruit Science offers undergraduate programme for M.Sc. (Ag.) Horticulture was started in 1981 with College of Agriculture with intake of 6 students per year. In the year 2010 the intake was increased to 12 seats per year. In the year 2008 the department was shifted to newly established College of Horticulture & Forestry. In the year 2018 the M.Sc. (Horticulture) Fruit Science was started as per 4th deans committee

Objectives:

- To make provision for quality education of rural people of Uttar Pradesh in Horticulture/Fruit Science
- To provide good facility for research
- To conduct location specific need based research
- To provide teaching facilities to Post-graduate students (horticulture, vegetable science, agriculture, home Science) registered under Post graduate programme.
- To conduct research on various aspect of tropical, sub tropical fruits, ornamental, medicinal and aromatic crops including their post harvest technologies.
- To generate technology for improving production and productivity of Tropical / Sub tropical crop
- Dissemination of research achievement to the farmers and extension agencies through the participation in various extension activities.

Accomplishments:

- Department of Fruit Science offers PG in M. Sc. (Horticulture) Fruit Science. The department admits on an average 12 students for post-graduate programme in Horticulture / Fruit Science discipline through the Combined Agriculture

&Technology Entrance Test (CATET) organized at state level. In the last five years 84 students have been awarded M.Sc. (Ag.) Horticulture degree

6.4.2 Faculty Strength:

Department of Fruit Science

	Teaching positions		
	Sanctioned	In-place	Vacant
Professor	01	01	-
Associate Professor	03	03	-
Assistant Professor	10	06	03
Guest Faculty	01	-	01
Total	15	10	04

Staff Position, Department of Fruit Science

Teaching/Research	Professor			Associate Professor			Assistant Professor		
	Sanctioned	In place	Vacant	Sanctioned	In place	Vacant	Sanctioned	In place	Vacant
Teaching	01	01	-	02	02	-	02	02	-
Landscaping	-	-	-	01	01	-	01	-	01
PHT	-	-	-	-	-	-	01	-	01
Plan(ICAR)									
AICRP Arid Zone	-	-	-	-	-	-	03	01	02
AICRP MAP	-	-	-	-	-	-	03	03	-
Total	01	01	-	03	03	-	10	06	04

Department wise Scientific/Teaching Positions –Fruit Science

Sl. No.	Name of Department	Scientist/Teachers in working
1-	Fruit Science	Dr.A.K. Singh, Associate Professor (HOD) Looking after activities
		1. Dr.D. Ram, Professor
		2. Dr.BhagwanDeen, Professor
		3. Dr.Ashok Kumar, Associate Professor
		4. Dr.Sanjay Pathak, Professor
		5. Dr.BhanuPratap, Associate Professor
	AICRP Arid Fruits	6. Dr.H.K. Singh, Assistant Professor
2-	Post-Harvest Technology	7. Dr.Sanjay Pathak, Professor (HOD) (Looking after activities)
3-	Floriculture and Landscape	8. Dr.A.K. Singh, Associate Professor

4-	Medicinal and Aromatic Plants	9. Dr.SubodhPande, Assistant Professor (HOD)
		10. Dr.D.P. Mishra, Assistant Professor
		11. Dr.Amar Pal Singh, Assistant Professor

Faculty involved in Teaching/Research of M.Sc. (Hort.) Fruit Science degree programme:

Following departments facilities are utilized by students for completion of his M.Sc. (Hort.) fruit Science degree programme

Department of Vegetable Science: Faculty and facilities of this deptt. are availed by the students of M.Sc.(Hort.) fruit Science for completion of their courses and thesis work programme.

S N	Teaching/Res earch	Professor			Associate Professor			Assistant Professor		
		Sanctio ned	Fill ed	Vaca nt	Sanctio ned	Fill ed	Vaca nt	Sanctio ned	Fill ed	Vaca nt
1	Teaching	1	1	-	1	-	1	1	-	1
2	State Non Plan									
	Vegetable Research	-	-	-	1	-	1	2	2*	-
3	Plan(ICAR)									
	AICRP Potato	-	-	-	-	-	-	2	1	1
	AICRP Spices	-	-	-	1	1**	-	1	1*	-
	AICRP Vegetable Crops	-	-	-	-	-	-	1	1*	-
	Total	1	1	-	3	1	2	7	5	2

Note-*,**at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

Different departments of College of Agriculture involved in teaching of minor courses as well as thesis work of the students:

S.N.	Sanctioned faculty	Faculty in place		Vacant position	
		Teaching	Research	Teaching	Research
Agril. Economics					
1	Professor	-		01	
2	Assoc. Prof.	02			
3	Asstt. Prof.	01		-	
Agril. Statistics					
1	Professor	-		-	
2	Associate Professor	01		01	
3	Assistant Professor	01		01	
4	Guest facility	03			
Agril. Meteorology					
1	Professor	-		-	
2	Associate Professor	-		02	
3	Assistant Professor	03	01	01	

4	Guest facility	01			
Agri. Biochemistry					
1	Professor	-		-	
2	Associate Professor	01		01	
3	Assistant Professor	03		03	
Crop Physiology					
1	Professor	-		1	
2	Associate Professor	1		-	
3	Assistant Professor	1		-	
4	Guest facility	01			
Entomology					
1	Professor	01		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		-	
Genetics & Plant Breeding					
1	Professor	01		01	
2	Associate Professor	01	02	-	04
3	Assistant Professor	03	03	02	01
Plant Molecular biology and Genetic Engineering					
1	Professor	01		02	
2	Associate Professor	01		02	
3	Assistant Professor	02		03	
Plant Pathology					
1	Professor	-		01	
2	Associate Professor	-		01	
3	Assistant Professor	-		01	
4	Guest facility	02			
Soil Science & Agricultural Chemistry					
1	Professor	02		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		02	

6.4.3 TECHNICAL AND SUPPORTING STAFF: The position of the technical and supporting staff of the Degree Programme including farm and field workers need to be mentioned for both sanctioned and in place.

	Administrative Staff		
	Sanctioned	In-place	Vacant
Senior Assistant	01	01	-
Junior Assistant	01	01	-
Accounts Clerk	01	01	-
Stenographer	01	-	01
Total	04	03	01

Department wise Ministerial/Technical Positions–Fruit Science

Sl. No.	Name of Department	Ministerial/Technical in working
1-	Fruit Science	1- Dr.Angad Singh, Hort. Inspector
		2- Shri. Devesh Singh, Hort. Supervisor
		3- Shri. Rajesh Kumar Singh, Assistant Accountant
		4. Shri. Y.N. Mishra, Lab Assistant
		5. Km. Qauser Warsi , Lab Assistant
		6- Shri. Udai Raj, Jr. Clerk
	AICRP Arid Fruits	1- Shri. NandLal Sharma, S.T.A.
		2. Shri. Ram Shankar Gupta, Lab. Assistant
2-	Floriculture and Landscape	-
3.	Medicinal and Aromatic Plants	1. Shri. B.D. Singh, Jr. Clerk
		2. Dr.C.M. Ojha, Tech. Asst. Hort.
		3. Shri. T.P. Singh, Field Man
		4. Shri. Shesh Mani Srivastava, Field Man

6.4.4 Classrooms and Laboratories: Students are availing the facilities of class rooms and laboratory facilities from the different department of College of Horticulture and Agriculture as follows. Apart from this they are utilizing the facilities of ICAR- CISH, Rahamankhera, Lucknow (U.P.) for the completion of degree programme and they could utilize the facilities of ICAR- NRC Litchi, Muzaffarpur (Bihar) [Under Umbrella MOU between N.D. University of Agriculture and Technology, Kumarganj, Faizabad (U.P.) and ICAR - CISH, Rahamankhera, Lucknow (U.P.)/ ICAR- NRC Litchi, Muzaffarpur (Bihar)](Annexure IV and V).



Honorable Vice Chancellor Prof. P.V.Sindhu, and Dr. S.Rajan, Director of ICAR-CISH, Lucknow with a copy of MOU

Sr. No.	Degree Programme	No. of Lecture Room	No. of P.G. Laboratory
1.	M.Sc. (Horticulture) Fruit Science		
	Fruit Science	2	1
	Post Harvest Technology	1	1

Facilities being utilized by the students from the other departments of College of Horticulture and Forestry

Departments	No. of Lecture Room	No. of P.G. Laboratory
Vegetable Science	2	1

Facilities being utilized by the students from the other departments of College of Agriculture for completion of M.Sc. (Hort.) fruit science degree programme:-

Sr. No.	Departments of College of Agriculture	No. of Lecture Room	No. of Laboratory
1	Soil Science and Agricultural chemistry	2	1
2	Agricultural Statistics	2	1
3	Agricultural Biochemistry	2	1
4	Plant Pathology	2	1
5	Crop Physiology	2	1



Class room of M.Sc. Fruit Science



M.Sc. Student doing work in lab

Laboratory Facility: Facility availed by the students of M.Sc. (Hort.) Fruit Science in college of Horticulture and Forestry

Sl.	Departments
-----	-------------

No.	Fruit Science	Post Harvest Technology	Medicinal & Aromatic Plants	Floriculture & Landscape
1	Digital spectro photometer nf	Pulper machine	Top Pan Balance (5kg)	Lawn mower machine-6
2	Auto clave	Grater machine	Leaf Area Meter	Water tanker -1
3	Analytical balance	Fruit/ vegetable slicer machine	Spectrophotometer	Pump-2
4	Chaino metric balance	Potato peeler	Rotary Vaccum Pump	Power Triller
5	Weight Box	Hand refractometer of different range	Heating Mental	Foot spryer
6	Seed Storage cabinet	Crown carking machine	Lux Meter Digital MAC	Spade-62 Pruning scissor-4
7	Decimal Triple beam balance cap 3 kg	Basket press juicer	Godrej Refrigerator	
8	Plant Grinder (willey mill) size 40.20mm with 0.25 HP motor (nf)	Steam jacket kettle	BOD Incubator	
9	Hand Refractometer	Atomic absorption spectroscopy (Not in working condition)	Autoclave Vertical	
10	Laboratory Heating plate .	U V Spectrophotometer	Microprocessor based Leaf Area Meter Spectro	
11	photo electric calorimeter 0-10 44154 with filter (nf)	Distillation plant	Digital Microscope with LCD Fisher	
12	Rotatory microtome (nf)	Potato slicer		
13	Auto clave vertical	Physical balance		
14	Hot air oven	Digital physical balance		
15	P.C. Based automatic absorption spectrophotometer double beam with compressor	Digital chemical balance		
16	Seed germinator (double chamber)	Hot air Oven		
17	Quick freezer	pH meter		
18	Distillation unit	Firmness tester		
19	Spirit Lamp	Pricking machine		
20	Sieve 20,40 mesh	Auto clave		
21	B.O.D Incubator (low temp.)	Pasteurization chamber		
22	Plant growth chamber (MAC)	Juice filling machine		
23	Soil Auger Screw type 50mm	P.P Cap sealing machine		
24	Screw gauge 25mm,50mm	Ball mill		
25	Venire callipers	Mixi		
26	Chromatography cabinet for 4 (nf)	Refrigerator		
27	Refrigerator	Two Frozen Chamber		
28	Media sterilization system autoclave			
29	Water bath			

30	Gas generator from photometer (nf)		
31	Lux meter 50K (nf)		
32	Vacuum pump with 1.5 HP motor (nf)		
33	Kjeldhal digestion unit micro (nf)		
34	Moisture box cop.250gm for soil sample(nf)		
35	Rapid moisture meter 0-50% with weight		
36	Shaking machine (kahni type) with cover body fixed speed with timer		
37	laboratory mill (willey type with 0.5HP meter		
38	Bacteriological Incubatememmert type , stainless steel with extra for air cooler fan		
39	Measuring tape 30mt.		
40	B.O.D. Incubator.		
41	B.O.D. Incubator automatic		
41	Seed storage cabinet - 30 trays		
43	Digital electronic top loading balance		
44	Poly pouch sealing machine (nf)		
45	U.V. radiation seed viewing cabinet		
46	Digital pH meter		
47	Digital conductivity meter (nf)		
48	Digital photo electric calorimeter model		
49	Flame photometer without automatic ignition <i>cat CL 361 Eleco optional calcium filter for above (nf)</i>		

Note: nf- means non funksional

Laboratory Facility: Different departments of College of Agriculture

Name of equipments	No.	Name of equipments	No.
Agricultural Statistics		Agril. Biochemistry	

Computer	46	Centrifuge	1
Crop Physiology		Muffle furnace	1
Centrifuge Machine	2	Distilled water plant (single)	1
Electronic balance	2	Water bath	1
Chainometric balance	5	Electrical balance	1
Flame photometer	2	Electrophoresis	1
Leaf area meter	1	pH meter	1
Chlorophyll meter	1	Hot Air Oven	2
Microscope	1	pH meter	1
Low term cabinet		Oven	2
Oven	2	Electrophoresis	1
pH meter	1	Spectronic-20	1
Conductivity meter	1	Spectro photometer	1
Spectrophotometer	1	Stabilizer	3
LCD	2	Electronic balance	1
Computer	3	PMB&GE	
Photocopier Machine	2	PCR machine	2
		Gel Doc	2
Plant Pathology		Incubator	1
Real Time PCR	01	Laminar air flow	3
PCR	01	Shaker	1
Lyophilizer	02	Trans blot	1
Centrifuge	02	UV-Vis Spectrophotometer	1
Laminar Flow	02	Distillation unit	1
Hot Air Ovens	03	Gene gun	1
BOD Incubators	03	Deep freezer	1
Autoclave	02	2D Gel unit 2-D	1
Refrigerators.	04	Electrophoresis unit (Horizontal and vertical)	3
Gel Electrophoresis Unit	02	Water Bath	1
Seed Germinator	01	Ice Flicker	1
ELISA Unit	01	pH meter	2
Electronic Weighing Balance	01	ELISA reader	1
Water Distillation Unit	01	Centrifuge	3
pH Meter	01	Autoclave	2
Shaker	01	Electronic balance	2
Soil Science & Agril. Chemistry			
Nitrogen Auto Analyzer	1		
pH meter	2		
BOD Incubator with temperature and humidity control	2		
Refrigerator 300 liters	1		
Mixer/grinder	1		
Microscope	1		
Autoclave Vertical Double wall Size 300x500	1		
Electrical Conductivity meter	1		
Spectrophotometer	1		
Mechanical Shaker	1		

Analytical balance	1	
Hot air oven	1	
Top Table Centrifuges	1	
Suction Pump	1	
Distilled water unit Glass	2	
Muffle Furnace	1	
Diamond Impregnated Cutting Wheel	1	
Universal Blast Burner	1	
Triangular file	1	
Diamond Glass Cutter	1	
Glass Cutter Tubing	1	
Soil Auger Screw Type	2	
Soil Salinity sensor	1	
Hydroprobe with accessories	1	
Tensiometer	2	



Students performing experiment in lab Sample drying for dry weight estimation

Farm Facilities:

Sr. No.	Name of the Farm(Agricultural Land)	Area (Acre)
1.	Department of Horticulture (MES)	50 Acre
2.	Waste Land Development Centre-II, Govind Nagar Farm	250 Acre
3.	Waste Land Development Centre-I, Akma Farm	750 Acre



M.Sc. Students Conducting Research Trial on Marigold



M.Sc. Students Conducting Research Trial on Snapdragon



M.Sc. Student conducting Pruning Research trial on Guava



M.Sc. Student applying Mulch in Research trial on Strawberry

Farm Facilities

S.No.	Item	Fruit Science	Medicinal & Aromatic Plants
1.	Tractor	2	1
2.	Power Tiller	1	-
3.	Cultivator	2	1
4.	Trolley	2	1
5.	Disc Plough	2	-
6.	Disc Harrow	2	1
7.	Ridge Maker	-	-
8.	Leveller	1	-
9.	Rotavator	1	-
10.	Pruning Knife	20	2
11.	Budding Knife	25	-
12.	Secateurs	30	1
13.	Kudal	20	15

14.	Darati	35	12
15.	Hand how	14	3
16.	Garden How	14	-
17.	Hazara	10	2
18.	Foot Sprayer	3	1
19.	Hand Sprayer	1	1
20.	Power Sprayer	2	-
21.	Tube well	3	-
22.	Diesel Engine	1	-
23.	Lawn Mover	2	-
24.	Garden tools kit	1	-
25.	Seed Germinator	1	1
26.	Sprinkler	1	-
27.	Packaging House	1	-
28.	Office	1	1
29.	Earthen Pot	400	50
30.	Sword(Grass Cutter)	-	-
31.	Iron Plate(Labelling)	-	-
32.	Plastic Plate(Labelling)	-	-
33.	Walking Cool Chamber	1	-
34.	Pouch Packing Machine	-	-
35.	Stitching Machine	-	-
36.	Motorcycle	-	-
37.	LPG Connection	-	-
38.	Tractor Rake	-	-
39.	Water Proofing Sheet	-	-
40.	Store	1	1
41.	Generator	1	-
42.	Thresher	-	-
43.	Weighing Balance	1	2
44.	Green House	1	1
45.	Poly House	1	1
46.	Threshing Floor	1	1

Workshops:

Workshops and instructional units being utilized

1. Govind Nagar,
2. Akma,
3. Instructional farm- MES, Horticulture

Theory and Practical Batches for the degree Programmes:

Class	M.Sc.(Horticulture)Fruit Science
Practical	1
Theory	1

6.4.5. Conduct of Practical and Hands-on-Training:

PG students do their practical as well as learning in the well-equipped laboratories in the college in morning and evening lab classes from 7.30 to 9.30 am and 2:40 to 4:40 pm respectively.

- Live field experience learning is being held at MES of Horticulture, Vegetable and Forestry situated adjacent to the campus.
- Thesis research work of M.Sc. students are conducted at MES Horticulture/Akma/Govind Nagar Farm. However, laboratory experiments are conducted in departmental lab and some other respective laboratories of the University/ Institutions.
- Students are getting desired practical and hand -on- training as per syllabus.
- Students are getting facilities of laboratories work, experimental material and scientific faculty assistance from the ICAR- CISH, Lucknow for completion of thesis work.

6.4.6. Supervision of students in M.Sc. (Horticulture) Fruit Science :

Department	Name of the Degree Programme	In last five years									
		2013-14		2014-15		2015-16		2016-17		2017-18	
		Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors
Fruit Science		19	8	26	9	20	9	9	7	10	7
	M.Sc. (Ag.) Hort./M.Sc. (Hort.) Fruit Science										

List of M.Sc.(Ag.) Horticulture students admitted 2013 -14

S.No	Name of students	ID No	Major Advisor
M.Sc.(Ag.) Horticulture			
1	Sonu Kumar	HF-7651/13	Dr. A.K.Singh
2	Preeti Singh	HFA-4697/09/013	
3	HiramaniShukla	HF-7633/13	Dr. Sanjay Pathak
4	Rajesh Kumar	HFA-4705/09/13	
5	Ashutosh Kumar	HF-7641/13	
6	Kuldeep Singh	-	Dr. O.P.Singh
7	Shailendra Pratap Singh	-	
8	NavnishDharDwivedi	-	Dr.BhagwanDeen
9	Anish Kumar Jaiswal	-	
10	Aditiya Kumar Gautam	-	
11	Mahendra Pratap Singh	HF-7647/13	Dr. Ashok Kumar
14	RaviendraKumar	HFA-4711/09/13	Dr. D.Ram

15	Umesh Kumar	HF-4752/09/13	
16	GeetaGole	-	Dr. A.L.Yadav
17	Pradeep Kumar Yadav	HF-6469/12/16	
18	Anita Chudhary	-	Dr.BhanuPratap
19	Bhim Raw Ambedkar	-	
Admitted in the session 2014-15			
1.	ManojChaudhary	HF-8282/14	Dr. V.S. Chandel
2.	VedPrakashMaurya	HF-8295/14	
3.	TanveerAlam	HFA-5264/10/14	
4.	Ashok Kumar Meena	HF-8277/14	Dr. A.K.Singh
5.	Anand Kumar Dikshit	HF-8275/14	
6.	Amit Kumar Singh	HF-8274/14	
7.	SwostiDebpriyaBehera	HF-8293/14	Dr. Sanjay Pathak
8.	TrilokiNath Singh	HF-8294/14	
9.	Gaurav Singh Vishen	HF-8279/14	
10.	Prem Kumar	HF-8285/14	Dr.D. Ram
11.	Shiva Nand Mohan Mishra	HF-8291/14	
12.	Rajesh Kumar Singh	HF-8286/14	
13.	Khalid Ahmad Mangal	HF-8281/14	Dr.BhagwanDeen
14.	Mayank Singh	HF-8283/14	
15.	Sanjay Kumar Rawat	HF-5300/14	
16.	ShababAlam Khan	HF-8290/14	Dr. Ashok Kumar
17.	Ravindra Kumar	HF-8288/14	
18.	Ram lakhanMaurya	HF-8287/14	
19.	Bhujbal Singh	HF-8278/14	Dr.A.L.Yadav
20.	AnkitPandey	HF-8276/14	
21.	RavindraNathYadav	HF-8289/14	
22.	Neeraj Kumar Maurya	HF-8284/14	Dr. BhanuPratap
23.	Dinesh Kumar	HF-5285/10/14	
24.	Sneha Singh	HFA-5246/10/14	
25.	SugyaniSethi	HF-8292/14	Dr. O.P.Singh
26.	Harshad Mishra	HF-8280/14	
Admitted in the session 2015-16			
1.	Aishwarya Mishra	HF-8968/15	Dr.A.K.Singh
2.	Anupam Singh	HF-8969/15	
3.	MuditShukla	HF-8974/15	Dr. Sanjay Pathak
4.	RakeshRana	HF-5961/11/15	
5.	Shailendra Bharti	HFA-5849/11/15	Dr.BhagwanDeen
6.	ShiwanandPandey	HF-8980/15	
7.	BhanuPratapKanaujya	HF-8972/15	
8.	PankajChaudhary	HF-8977/15	Dr. D Ram
9.	Vipin Kumar	HF-8982/15	
10.	Abhishek Kumar	HFA-5746/11/15	Dr. Ashok Kumar
11.	Abhinav Kumar	HF-8967/15	

12.	DheerajYadav	HF-8973/15	Dr. A.L.Yadav
13.	Sadanand	HF-8979/15	
14.	AtulYadav	HF-8971/15	Dr. BhanuPratap
15.	Pradeep Kumar	HF-8978/15	
16.	Yashwant Patel	HF-8983/15	
17.	SomenVerma	HF-5973/11/15	Dr. Ashok Kumar
18.	Archit Singh	HF-8970/15	Dr. Sanjay Pathak
19.	NishankShukla	HF-8976/15	Dr. A.L.Yadav
20.	SunnaDeepti	HF-8981/15	Dr. A.K.Singh
Admitted in the session 2016-17			
1.	Anshuman Singh	HF-9580/16	Dr. A.K.Singh
2.	Nitesh Kumar Sharma	HF-9581/16	Dr. Sanjay Pathak
3.	Pankaj Kumar	HF-9582/16	Dr. Ashok Kumar
4.	Ravi Pratap Singh	HF-9583/16	Dr.A.L.Yadav
5.	Sachi Gupta	HF-9584/16	Dr. Ashok Kumar
6.	Shailesh Kumar Gupta	HF-9585/16	Dr.BhanuPratap
7.	Prabhat Kumar	HFA-6468/12/16	Dr. D. Ram
8.	Pradeep Kumar	HFA-6469/12/16	Dr.BhagwanDeen
9.	Vimal Kumar	HFA-6633/12/16	Dr.D. Ram
Admitted in the session 2017-18			
1.	Ajendra Kumar	HF-10077/17	Dr.A.K.Singh
2.	Anuj Kumar	HF-10078/17	Dr. Sanjay Pathak
3.	AnupamaBharti	HF-10079/17	Dr. D. Ram
4.	GambhirSingh	HF-10080/17	Dr.BhagwanDeen
5.	Gyan Singh	HFA-7102/13/17	Dr. Ashok Kumar
6.	Pravesh Kumar	HF-10081/17	Dr.BhanuPratap
7.	Rahul Kumar Yadavleft	HF-7217/13/17	Dr. A.L.Yadav
8.	Ranjeet Kumar	HF-7224/13/17	Dr. A.K.Singh
9.	Ravi Shankar Singh	HF-7226/1317	Dr. Sanjay Pathak
10.	RishabhShukla	HF-10082/17	Dr.D Ram
11.	ShubhamShukla	HF10083/17	Dr.BhagwanDeen

6.4.7. Feedback of Stakeholders (Students, Parents, industries, employers, farmers, etc.):

- Teachers, HOD and Dean frequently take feedback from the students and act accordingly to excel the teaching as well as lab work so that students can complete their degree within time frame with sound knowledge and efficiency(Annexure III).
- Students also give feedback of whole degree program during their stay in the campus.
- Among visitors the students of different schools, colleges and farmers give their feedbacks through telephonic conversation. Feedbacks are taken care of to improve accordingly.
- The samplings of Ber, Bael, Aonla varieties devolved by the department is always in great demand by Farmers, research workers of different SAU's and Government Agencies.

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

Name of the Degree Programme	Actual student admitted in last five years						Attrition(%)				
		2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)	2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)
M.Sc. (Ag.) Horticulture/M. Sc. (Hort.) Fruit Science	Sanctioned	20	26	20	10	10	10.53	7.7	0	10	0
	Actual	19	26	20	10	10					

6.4.9. ICT Application in Curricula Delivery:

- Course on Computer application is offered to M.Sc. students of Horticulture. Students learn online and offline bibliographic search through network and CDR.OM, server, electronic mail, internet, creation and update of database, statistical analysis of research data.
- Wi-Fi/ net and Computer facility is available to almost all faculty members of the department to enrich and update their knowledge.
- We don't have separate computer lab for PG and Ph.D. students however they are free to use the central facility of ARIS lab.
- Teachers delivered lectures through multimedia projector along with blackboard teaching.
- Students delivered their seminars/assignment presentation through multimedia projectors- In this regard three multimedia projectors are being utilized.
- We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.
- One of our faculty member has developed a website for giving the information regarding agriculture related information to students/extension workers/farmers.

कृषि खजाना krishikhajana

प्रोफेसर भगवान दीन, कृषि वैज्ञानिक, का यह ब्लाग छात्रों, प्रसार कार्यकर्ताओं और किसानों को कृषि संबंधी जानकारी और सलाह मुफ्त प्रदान करता है।

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अपने पुराने बगीचे को दें नया जीवन

फलोत्पादन में भारत जैसे देश की अभूत पूर्व भूमिका रही है, परन्तु आधुनिक युग में भारत के फल उद्यानों की दशा पुरानी होने के कारण बहुत ही सोचनीय हो गई है। प्रसिद्ध उद्यान विज्ञानी डा० डब्ल्यू बी० हेज ने भारत के पुराने फल उद्यानों के लिए टिप्पणी की थी जिसका आशय है कि "किसी पुराने फलोद्यान में प्रवेश करने पर आप बहुत से वृक्षों को गायब पायेंगे और जो उपस्थित भी होंगे वे रोग-कीटाणु व खरपतवारों के विकृष्ट हारने वाली लवार्ड लक्ष्य रहे होंगे"। फलोद्यान के अलाभकारी होने के लिए बदन कारण जिम्मेदार है जिनमें से कुछ

Google कस्टम खोज

11% 30%

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for **M.Sc. (Horticulture) Fruit Science** is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr. V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

6.4. Self-Study Report for the M.Sc. Programme No. 2

Name of the Programme: M.Sc. (Horticulture) Vegetable Science

6.4.1. Brief History of Degree Programme: M.Sc. (Hort.) Vegetable Science

Department as well as post graduate programme of M.Sc.(Ag.) Horticulture (Vegetable Science) and Ph. D. Vegetable Science were started in the year **1981** with College of Agriculture and from **2006** onwards with College of Horticulture and Forestry.

Objectives-

- To produce, scientifically and technically trained sound vegetable science graduate and postgraduate human resource, who could take over the responsibility and challenges of vegetable science in future.
- To formulate feasible and specific package of practices of vegetable production/processing technology to meet out the future demand and optimization of farmers income especially under agro climatic conditions of eastern UP.
- To develop segment specific improved varieties/hybrids/resistant varieties of vegetables for optimization of farmer's income especially for agro climatic conditions of eastern UP as per market demand.

Accomplishment-

- Department of Vegetable Science also offers PG courses for M.Sc. Horticulture (Vegetable Science) Ph. D. degree in Vegetable Science. The department admits on an average 14 students for M.Sc.(Ag.) in Horticulture (Vegetable Science) disciplines through the Combined Agriculture & Technology Entrance Test (CATET) of all the four agricultural university of UP. Students admitted since academic session 2013-14, a sum of 61 students have been awarded degree in M.Sc. (Ag.) Horticulture (Vegetable Science)

6.4.2. Faculty Strength:

Sl. No.	Teaching/Research	Professor			Associate Professor			Assistant Professor		
		Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant
1	Teaching	1	1	-	1	-	1	1	-	1
2	State Non Plan									
	Vegetable Research	-	-	-	1	-	1	2	2*	-
3	Plan(ICAR)									
	AICRP Potato	-	-	-	-	-	-	2	1	1
	AICRP Spices	-	-	-	1	1**	-	1	1*	-
	AICRP Vegetable Crops	-	-	-	-	-	-	1	1*	-
	Total	1	1	-	3	1	2	7	5	2

Note-*,**at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

Staff Position, Department of Fruit Science helps in teaching and research of Master Degree students

Teaching/Research	Professor			Associate Professor			Assistant Professor		
	Sanctioned	In place	Vacant	Sanctioned	In place	Vacant	Sanctioned	In place	Vacant
Teaching	01	01	-	02	02	-	02	02	-
Landscaping	-	-	-	01	01	-	01	-	01
PHT	-	-	-	-	-	-	01	-	01
Plan(ICAR)									
AICRP Arid Zone	-	-	-	-	-	-	03	01	02
AICRP MAP	-	-	-	-	-	-	03	03	-
Total	01	01	-	03	03	-	10	06	04

Different departments of College of Agriculture involved in teaching of minor courses as well as thesis work of the students:

S.N.	Sanctioned faculty	Faculty in place		Vacant position	
		Teaching	Research	Teaching	Research
Agril. Economics					
1	Professor	-		01	
2	Assoc. Prof.	02			
3	Asstt. Prof.	01		-	
Agril. Statistics					
1	Professor	-		-	
2	Associate Professor	01		01	
3	Assistant Professor	01		01	
4	Guest faculty	03			
Agril. Meteorology					
1	Professor	-		-	
2	Associate Professor	-		02	
3	Assistant Professor	03	01	01	
4	Guest faculty	01			
Agri. Biochemistry					
1	Professor	-		-	
2	Associate Professor	01		01	
3	Assistant Professor	03		03	
Crop Physiology					
1	Professor	-		1	
2	Associate Professor	1		-	
3	Assistant Professor	1		-	
4	Guest faculty	01			
Entomology					
1	Professor	01		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		-	

Genetics& Plant Breeding					
1	Professor	01		01	
2	Associate Professor	01	02	-	04
3	Assistant Professor	03	03	02	01
Plant Molecular biology and Genetic Engineering					
1	Professor	01		02	
2	Associate Professor	01		02	
3	Assistant Professor	02		03	
Plant Pathology					
1	Professor	-		01	
2	Associate Professor	-		01	
3	Assistant Professor	-		01	
4	Guest faculty	02			
Soil Science & Agricultural Chemistry					
1	Professor	02		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		02	

6.4.3. Technical and Supporting staff:

S. No	Teaching/Research	Technical/Ministerial			IV Class		
		Sanctioned	In Place	Vacant	Sanctioned	In Place	Vacant
1	Teaching	6	4	2	6	6	-
2	State Non Plan						
	Vegetable Research	4	2	2	2	1	1
3	Plan(ICAR)						
	AICRP Potato	2	2	-	1	1	-
	AICRP Spices	1	1	-	-	-	-
	AICRP Vegetable Crops	1	1	-	-	-	-
	Total	14	10	4	9	8	1

6.4.4. Class Room and Laboratories:

Class Rooms-02: Laboratory-01: Seminar Room- 01



Class room of M.Sc. Vegetable Science



M.Sc. Student measuring Physical Parameters in Laboratories of Vegetable Science

Facilities being utilized by the students from the following Department of College of Horticulture and Forestry

Sr. No.	Degree Programme	No. of Lecture Room	No. of P.G. Laboratory
1.	M.Sc. (Horticulture) Fruit Science		
	Fruit Science	2	1
	Post Harvest Technology	1	1

Facilities being utilized by the students from the following departments of College of Agriculture for completion of M.Sc. (Hort.) Vegetable Sciences degree programme:-

Sr. No.	Departments of College of Agriculture	No. of Lecture Room	No. of Laboratory
1	Soil Science and Agricultural chemistry	2	1
2	Agricultural Statistics	2	1
3	Agricultural Biochemistry	2	1
4	Plant Pathology	2	1
5	Crop Physiology	2	1

LIST OF MAJOR EQUIPMENTS-

List of major equipments available in different laboratories-

Department of Vegetable Sciences

Sl. No	Equipments
1	Seed Germinator
2	BOD Incubator
3	Flame Photometer 121
4	Digital Direct Reading, Conductivity Metro-304
5	Laboratory Centrifuge (REMI)
6	Scanning Mini (SPEC-SL-177)
7	SEW India made Sunvic in U.K.
8	Digital Water Plant
9	Tulaman-3kg
10	Keroy Balance
11	Royal War Error Balance
12	Triple Beam Balance-3kg
13	Heating Plate
14	Digital pH meter-335
15	ATCO Weighing Scale
16	Water Bath
17	Flame Photometer-129
18	KRoy Analytical Single Pan Balance
19	YARKO Incubator
20	Thermostat Oven
21	Chinamatic Balance

College of Agriculture

Name of equipments	No.	Name of equipments	No.
Agricultural Statistics		Agril. Biochemistry	
Computer	46	Centrifuge	1
Crop Physiology		Muffle furnace	1
Centrifuge Machine	2	Distilled water plant (single)	1
Electronic balance	2	Water bath	1
Chainometric balance	5	Electrical balance	1
Flame photometer	2	Electrophoresis	1
Leaf area meter	1	pH meter	1
Chlorophyll meter	1	Hot Air Oven	2
Microscope	1	pH meter	1
Low term cabinet		Oven	2
Oven	2	Electrophoresis	1
pH meter	1	Spectronic-20	1
Conductivity meter	1	Spectro photometer	1
Spectrophotometer	1	Stabilizer	3
LCD	2	Electronic balance	1
Computer	3	PMB&GE	
Photocopier Machine	2	PCR machine	2
Plant Pathology		Gel Doc	2
Real Time PCR	01	Incubator	1
PCR	01	Laminar air flow	3
Lyophilizer	02	Shaker	1
Centrifuge	02	Trans blot	1
Laminar Flow	02	UV-Vis Spectrophotometer	1
Hot Air Ovens	03	Distillation unit	1
BOD Incubators	03	Gene gun	1
Autoclave	02	Deep freezer	1
Refrigerators.	04	2D Gel unit 2-D	1
Gel Electrophoresis Unit	02	Electrophoresis unit (Horizontal and vertical)	3
Seed Germinator	01	Water Bath	1
ELISA Unit	01	Ice Flicker	1
Electronic Weighing Balance	01	pH meter	2
Water Distillation Unit	01	ELISA reader	1
pH Meter	01	Centrifuge	3
Shaker	01	Autoclave	2
Soil Science & Agril. Chemistry		Electronic balance	2
Nitrogen Auto Analyzer	1		
pH meter	2		
BOD Incubator with temperature and humidity control	2		
Refrigerator 300 liters	1		

Mixer/grinder	1	
Microscope	1	
Autoclave Vertical Double wall Size 300x500	1	
Electrical Conductivity meter	1	
Spectrophotometer	1	
Mechanical Shaker	1	
Analytical balance	1	
Hot air oven	1	
Top Table Centrifuges	1	
Suction Pump	1	
Distilled water unit Glass	2	
Muffle Furnace	1	
Diamond Impregnated Cutting Wheel	1	
Universal Blast Burner	1	
Triangular file	1	
Diamond Glass Cutter	1	
Glass Cutter Tubing	1	
Soil Auger Screw Type	2	
Soil Salinity sensor	1	
Hydro probe with accessories	1	
Tensiometer	2	

Farm Facility:

A well planned one Main Experiment Station (MES) and one seed production farm facilities are available. The MES is situated adjacent to the campus. Students practical classes and field trials are conducted at MES Vegetable Science. The details of farms are as follows:

Sl. No.	Name of the Form(Agricultural Land)	Area (Acre)
1	Main Experiment Station (MES), Campus Kumarganj	32 Acre
2	Vegetable Science Production Farm, Nagipur	8 Acre



Project Coordinator Spices interacting about coordinated experiments of turmeric at MES Vegetable Science

List of equipment at MES Vegetable Science

Sl. No.	Item	No.
1.	Tractor	2
2.	Cultivator	2
3.	Trolley	1
4.	Disc Harrow	2
5.	Leveler	1
6.	Rotavator	1
7.	Secateurs	35
8.	Kudal	30
9.	Darati	35
10.	Hazara	3
11.	Foot Sprayer	4
12.	Hand Sprayer	1
13.	Tube well	2
14.	Diesel Engine	1
15.	Seed Germinator	2
16.	Office	1
17.	Earthen Pot	82
18.	Sword(Grass Cutter)	2
19.	Iron Plate(Labelling)	300
20.	Plastic Plate(Labelling)	350
21.	Pouch Packing Machine	1
22.	Stitching Machine	1
23.	Motorcycle	1
24.	LPG Connection	1
25.	Tractor Rake	1
26.	Water Proofing Sheet	5
27.	Store	3
28.	Generator	2
29.	Weighing Balance	1
30.	Green House	1
31.	Poly House	1
32.	Threshing Floor	1

6.4.5. Conduct of Practical and Hands on Training:

Practical classes are performed as per course curricula in UG and PG lab as well as at the MES Vegetable Science situated adjacent to the campus from 7-30AM to 9-30AM in the morning and 2-40 to 4-40PM in the evening as per credit hours. The experiments related to thesis work are being conducted at MES Vegetable Science/Departmental; laboratory and/or other location of the University/farmers field and laboratory of other institutions if necessary. Apart from this they could utilize the facilities of ICAR- CISH, Rahamankhera, Lucknow (U.P.) and ICAR- NRC Litchi, Muzaffarpur (Bihar) for the completion of degree programme [Under

Umbrella MOU between N.D. University of Agriculture and Technology, Kumarganj, Faizabad (U.P.) and ICAR - CISH, Rahamankhera, Lucknow (U.P.)/ ICAR- NRC Litchi, Muzaffarpur (Bihar)]

The details of batches for classes are as under:

Theory and Practical Batches for the degree Programmes:

Class	Degree Programme
	M.Sc.(Ag.) Vegetable Science
Practical	1
Theory	1



Bottle gourd (Narendra Prabha)



Turmeric (Narendra Haldi -98)



Fenugreek (Narendra Methi -1)



Coriander (Narendra Dhania -2)

Crops at MES Vegetable Science

6.4.6. Supervision of students in PG/Ph.D. programme: (2013-14 to 2017-18)

All the faculty have the doctorate degree and they are assigned the duty of supervision of M.Sc. (Ag.) Vegetable Science as per the strength of the students with set pattern *i.e.* alphabet name of the students and seniority list of the faculty and continued every years from last serial of the faculty so there is no chance of biasness/discrimination while allotment of guide to the students. The detailed list of students and their major advisor are as follows:

List of Total Students and Advisors for last five years

Degree Programme	Total Students and Major Advisors									
	2013-14		2014-15		2015-16		2016-17		2017-18	
	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)
M. Sc. (Ag.)	17	9	23	6	18	6	9	5	8	6

List of students and their Major Advisors

S.No.	Student Name	Id. No.	Advisor	Admission year	Pass out year	Left	Job
M.Sc. (Ag.) Vegetable Science (2013-14)							
1.	. Abhishek Shukla	HF-7653/13	Dr. N.C. Gautam	2013	2015		
2.	„ Arvind Kumar Singh	HFA-4736/09/13	Dr. S.P. Singh	2013	2015		
3.	„ Ashok Kumar		Dr.P.K. Singh	2013	2015		
4.	„ Avanish Kumar Singh	HF-7655/13	Dr.V.P. Pandey	2013	2015		
5.	„ Avanish Kumar Yadav	HF-7656/13	Dr. V.B. Singh	2013	2015		
6.	„ Brijendra Kumar	HF-7659/13	Dr. G.C. Yadav	2013	-	Left	AO Dena Bank
7.	„ Danny LalrindikaHauhna	HF-7657/13	Dr.Chandra Deo	2013	2015	-	-
8.	„ Gaurav Singh	HF-7658/13	Dr. D.P. Mishra	2013	2015	-	
9.	„ HarendraSingh	HF-7659/13	Dr. C.N. Ram	2013	2015	-	
10.	„ Maneesh Pandey	HF-7661/13	Dr. N.C. Gautam	2013	2015	-	Res. Scholar
11.	„ Manish Kumar Singh	HFA-4690/09/13	Dr. S.P. Singh	2013	2015	-	Res. Scholar
12.	Prasant Kumar Bag	HF-7662/13	Dr.P.K. Singh	2013	2015	-	-

13.	Priyankar Pathak	HF-7663/13	Dr.V.P. Pandey	2013	2015	-	Hort. Officer
14.	PushpendraKumar	HFA-4699/09/13	Dr.V.B. Singh	2013	2015	-	Res. Scholar
15.	Pushpendra Kumar Pandey	HF-7664/13	Dr. G.C. Yadav	2013	2015	-	Prepari ng for Job
16.	Km. Shikha Tiwari	HF-7660/13	Dr.ChandraDeo	2013	2015	-	BTC
17.	Somvir Singh	HF-7665/13	Dr.D.P. Mishra	2013	2015	-	TA

M.Sc. (Ag.) Vegetable Science (2014-15)							
S.No.	Student Name	Id. No.	Advisor	Admis sion year	Pass out year	Left	Job
1.	Mr. Jaydev Seet	HF-8300/14	Dr.V.P. Pandey	2014	2016	-	Hort. Officer
2.	Km. Nidhi Tiwari	HF-8303/14	Dr.V.B. Singh	2014	2016	-	Res. Schol.
3.	Mr. Prashasti Pandey	HF-8304/14	Dr.G.C. Yadav	2014	2016	-	Hort. Officer
4.	„ Gaurav Singh	HF-8298/14	Dr.C.N. Ram	2014	2016	-	Res. Schol.
5.	„ Vishal tripathi	HF-8315/14	Dr.ChandraDeo	2014	2016	-	Res. Schol.
6.	„ Saurabh Singh	HF-8312/14	Dr.D.P. Mishra	2014	-	Left	-
7.	„ Devraj Singh	HF-8297/14	Dr.V.P. Pandey	2014	2016	-	Res. Schol.
8.	„ Pushpendra Pathak	HF-8307/14	Dr.V.B. Singh	2014	2016	-	Prepari ng Job.
9.	„ Praveen Kumar Maurya	HF-4744/09/14	Dr.G.C. Yadav	2014	2016	-	Res. School.
10.	„ Kuldeep Kumar	HF-8301/14	Dr.C.N. Ram	2014	2016	-	Res. School.
11.	„ Avadh Bihari Singh	HF-8296/14	Dr.Handra Deo	2014	2016	-	TA
12.	„ Sri Om	HF-8314/14	Dr.D.P. Mishra	2014	2016	-	Res. Schol.
13.	„ Som Prakash	HF-9299/10/14	Dr.V.P. Pandey	2014	2016	-	Res. School.
14.	„ Amit Kumar Bhargav	HFA-5192/10/14	Dr.V.B. Singh	2014	2016	-	Res. School.
15.	„ Sachin Kumar Rana	HF-8311/14	Dr.G.C. Yadav	2014	2016	-	Prepari ng Job.
16.	„ Ram Ashish Gupta	HF-8308/14	Dr.C.N. Ram	2014	2016	-	Prepari ng Job.
17.	„ Ranjan Kumar Yadav	HF-8309/14	Dr.ChandraDeo	2014	2016	-	Prepari ng Job.
18.	Km. Priyanka Rajbhar	HF-8306/14	Dr.D.P. Mishra	2014	2016	-	BTC
19.	Mr. NarendraKumar Singh	HF-8302/14	Dr.V.P. Pandey	2014	2016	-	Prepari ng Job.

20.	,, Shailesh Singh	HF-8313/14	Dr.V.B. Singh	2014	2016	-	Private Co.
21.	,, Rohit Kumar Bajpai	HF-8310/14	Dr.G.C. Yadav	2014	2016	-	Res. School.
22.	,, Prateek Kumar	HF-8305/14	Dr.C.N. Ram	2014	2016	-	Res. School.
23.	,, GyanendraSingh	HF-8299/14	Dr.Handra Deo	2014	2016	-	Res. School.

M.Sc. (Ag.) Vegetable Science(2015-16)							
S.No.	Student Name	Id. No.	Advisor	Admission year	Pass out year	Left	Job
1.	Mr. Abhishek Kumar Singh	HF-8984/15	Dr.D.P. Mishra	2015	2017	-	Preparing for Job
2.	,, Ajeet Singh	HF-8985/15	Dr.V.P. Pandey	2015	2017	-	Young Professional I
3.	,, Arjun Govind	HF-8986/15	Dr.V.B. Singh	2015	2017	-	Preparing for Job
4.	,, Dham Veer Vaishya	HF-8987/15	Dr.G.C. Yadav	2015	2017	-	Preparing for Job
5.	,, Hasan Raja	HF-8988/15	Dr.C.N. Ram	2015	2017	-	Preparing for Job
6.	,, Krishna Kumar	HF-8989/15	Dr. Chandra Deo	2015	2017	-	Preparing for Job
7.	,, KunwarAnuragPratap Singh	HF-8990/15	Dr.D.P. Mishra	2015	2017	-	Preparing for Job
8.	,, Munish Kumar verma	HF-8991/15	Dr.V.P. Pandey	2015	2017	-	Preparing for Job
9.	,, Prabhat Kumar sagar	HF-5820/11/15	Dr.V.B. Singh	2015	-	Left	
10.	,, Priyanshu Arya	HF-5826/11/15	Dr.G.C. Yadav	2015	-	Left	
11.	,, Raghav Maurya	HF-5827/11/15	Dr.C.N. Ram	2015	-	Left	Res Sch. IARI
12.	,, Rajat Kumar Singh	HF-8992/15	Dr.Chandra Deo	2015	2017	-	Res Sch.
13.	,, Ravi Shankar Singh	HF-8993/15	Dr.D.P. Mishra	2015	-	Left	-
14.	,, Rohit Maurya	HF-8994/15	Dr.V.P. Pandey	2015	2017	-	Res Sch.
15.	,, Sandeep Yadav	HF-8995/15	Dr.V.B. Singh	2015	2017	-	Res Sch.
16.	,, ShashankShekhar Singh	HF-8996/15	Dr.G.C. Yadav	2015	2017	-	Res Sch.
17.	,, SidhantShekhar Mishra	HF-8997/15	Dr. C.N. Ram	2015	2017	-	Preparing for Job
18.	,, Vivek Yadav	HF-8980/11/15	Dr.ChandraDeo	2015	2017	-	Preparing for Job

M.Sc. (Ag.) Vegetable Science (2016-17)							
S.No.	Student Name	Id. No.	Advisor	Admission	Pass out year	Left	Job
.							

				year			
1.	Mr. Alok Kumar	HF-9586/16	Dr.D.P. Mishra	2016	2018	-	Preparing for Job
2.	„ Aman Kumar	HF-9587/16	Dr. V.P. Pandey	2016	2018	-	Preparing for Job
3.	„ Deepak Maurya	HF-9588/16	Dr. V.B. Singh	2016	2018	-	Res Sch.
4.	„ Devesh Tiwari	HF-9589/16	Dr. G.C. Yadav	2016	2018	-	Res Sch.
5.	„ Mahendra Kumar Yadav	HF-9590/16	Dr. C.N. Ram	2016	2018	-	Res Sch.
6.	„ Nishakant Maurya	HF-9591/16	Dr. D.P. Mishra	2016	2018	-	Res Sch.
7.	„ Rajesh Kumar Prajapati	HF-9592/16	Dr. V.P. Pandey	2016	2018	-	Res Sch.
8.	„ Veerendra Kumar	HF-9593/16	Dr. V.B. Singh	2016	2018	-	Preparing for Job
9.	„ Vipin Kumar Maurya	HF-9594/16	Dr. G.C. Yadav	2016	2018	-	Preparing for Job

M.Sc. (Ag.) Vegetable Science (2017-18)							
S.No.	Student Name	Id. No.	Advisor	Admission year	Pass out year	Left	Job
1.	Mr. Arvind Kumar Verma	HF-10084/17	Dr.D.P. Mishra	2017	Contd.	-	-
2.	Mr. Anupam Dubey	HF-10085/17	Dr.C.N. Ram	2017	Contd.	-	-
3.	Mr. Hari Shanker	HF-10086/17	Dr.P.K. Singh	2017	Contd.	-	-
4.	Mr. Navneet Singh	HF-10087/17	Dr. V.P. Pandey	2017	Contd.	-	-
5.	Mr. Raja Bhैया	HF-10088/17	Dr. V.B. Singh	2017	Contd.	-	-
6.	Mr. Saurabh Singh	HF-10089/17	Dr.C.N. Ram	2017	Contd.	-	-
7.	Mr. Shaunak Singh	HF-10090/17	Dr.D.P. Mishra	2017	Contd.	-	-
8.	Mis. Swati Rai	HF-10091/17	Dr.P.K. Singh	2017	Contd.	-	-

6.4.7. Feedback of stakeholders (students, parents, industries, employers, farmers etc.):

Teachers, HOD and Dean frequently takes feedback from the students and acts accordingly to excel the teaching as well as research work so that students can complete their degree within time frame with sound knowledge and efficiency in practical/research work in the field of vegetable science(Annexure III).

6.4.8. Students Intake and attrition in the programme for last five years:

Name of Degree Programme	Actual students Admitted in Last five Years					Attrition (%)				
	2013-14	2014-15	2015-16	2016-17	2017-18	2013-14	2014-15	2015-16	2016-17	2017-18
M.Sc.(Ag.) Horticulture (Vegetable Science)/M.Sc. (Horticulture)	15	24	20	9	10	6.67	4.17	20.00	0.00	20.00

Vegetable Science										
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6.4.9. ICT Application in Curricula Delivery:

- The ICT is used for teaching and practical classes. PPT is being used by the faculty as and when necessary. Students are also provided facility to give their seminar in PPT mode only and preparation of manuscript like assignment, research data compilation, analyses, research paper, reference collection and more over preparation of manuscript of thesis with help of departmental and ARIS lab facility of the university. We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for **M.Sc. (Horticulture) Vegetable Science** is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr. V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

6.4. Self-Study Report for the M.Sc. Programme No. 3

Name of the Programme: M. Sc. (Forestry) Agroforestry

6.4.1. Brief History of Degree Programme: M. Sc. (Forestry) Agroforestry

Depending on overwhelming need of forestry in general and agroforestry in particular, the ICAR (New Delhi) funded a research scheme in the form of “All India Coordinated Research Project on Agroforestry” under the administrative control of Department of Horticulture of this University. The scheme was then transferred to a fullfledged Department of Forestry during year 1987-88. Later on the department was converted into non-plan scheme by the Government of Uttar Pradesh during the year 1990-91. In July, 2006 the College of Horticulture and Forestry was established. The department of forestry has been divided into two departments: (i) Department of agroforestry; and (ii) Department of forest ecology and environment. Again M. Sc. (Forestry) Agroforestry and Ph. D. (Forestry) Agroforestry to be started in 2019-2020.

Objectives:

- To educate the student in the field of Agroforestry in order to make them resourceful in cultivation of crops, water management, socio-economic aspects and related technology.
- To increase and diversify under graduate students and improve quality of learning environments.

Accomplishments:

After the establishment of new departments M. Sc. Degree was started in 2009-2010. The Department of Agroforestry offered P.G. degree programme on M.Sc. forestry with specialization in Agroforestry & M. Sc. Forest Ecology & Environment in between 2009-10 to 2012-13. Ph. D. Agroforestry started in 2011-12. 02 students passed Ph. D. Agroforestry. Again M. Sc. (Forestry) Agroforestry and Ph. D. (Forestry) Agroforestry to be started in 2019-2020. The research is primarily focused on evaluation of tree species of fuel, fodder fruit and timber value. Nursery management techniques for different agroforestry species would also be developed.

1. M. Sc.(Forestry) Agroforestry:

Degree programme	Started	Closed
M.Sc. (Forestry) Agroforestry	2009-10	2012-13
M. Sc. Forest Ecology & Environment	2010-11	2012-13

M.Sc. Agroforestry degree received	15
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6.4.2 Faculty Strength:

Scientists/Faculty of the Department has been involved in teaching of U.G. and P. G. students. There are courses being taught under different discipline (Forestry, Horticulture, and Soil Science). The following is the detail of courses within and outside the department.

Teaching / Research Staff:

SI. No.	Name	Designation
1.	Dr.O.P. Rao	Professor
2.	Dr. A.K.S. Parihar	Associate Professor((retired on 31-1-2019)
3.	Dr.S. K. Verma	Asstt. Professor
4.	Dr.Ashmita	Asstt. Professor
5.	One GuestFaculty to be join recently	

Sanctioned post status (non plan):

SI. No.	Name	Working	Sanctioned Post	vacant
1.	Associate Professor	-	1	1
2.	Assistant Professor	1. Dr. O. P. Rao (Prof. CAS) 2. Dr.S. K. Verma	3	1

Sanctioned post under AICRP-AF:

SI. No.	Name	working	Sanctioned Post	vacant
1.	Associate Professor	-	1	1
2.	Assistant Professor	Dr. A. K. S. Parihar (retired on 31-1-2019)	3	1

6.4.3 Technical and supporting staff:

SI. No.	Name of Department	Ministerial/Technical in working
1-	Dr.R. J. Gupta	STA
2-	Shri.. Asutosh Singh	Fieldman

6.4.4. Class Room and Laboratories:

Number of classroom and functional laboratories available for the degree programme.

Degree Programme	No. of Class room	No. of Laboratory
	Agro Forestry	2

A) List of major equipments in working condition under departmental laboratories.

Laboratories Equipments:

Sl. No.	Name of Equipment
1	Seed Germinator
2	BOD Incubator
3	Refrigerators
4	Deep Freezer
5	Computerized and one Manual Spectrophotometers
6	Flame Photometer
7	Leaf Area Meters
8	pH Meter
9	EC Meter
10	Moister Meter
11	Auto Clave
12	Soil Grinder
13	Seed Separator
14	Water Bath
15	Ten Computers including one Laptop with Canopy Analyzer
16	All Equipments related to forestry:Haga Altimeter, Venire Calipers, Girthing Tape, Stem bore,BarkGauge,Diameter Tape, Chainsaw
17	Hardening Chamber
18	Water Analyzer

B)List of farm facilities: Farm Area 17 acre

SI. No.	Name of Item	Numbers
1	Tractor	1
2	Power Tiller	1
3	Cultivator	1
4	Trolley	2
5	Kudal	30
6	Darati	20
7	Hazara	8
8	Foot Sprayer	1
9	Hand Sprayer	1
10	Tube well	1
11	Diesel Engine	1
12	Thresher	1
13	Weighing Balance	1
14	Green House	1
15	Poly House	1
16	Seed Germinator	1
17	Store	2
18	Office	1
19	Earthen Pot	20
20	Sword(Grass Cutter)	4
21	Iron Plate(Labeling)	50



Agroforestry systems in MES Agroforestry

6.4.5 Conduct of practical and hands-on-training:

Students are getting desired practical and hands-on-training as per the curriculum by adopting following:

- Distribution of practical manuals.
- Practical exposure on Agroforestry farm.
- Visit different agroforestry systems on farmers.



Preparation of nursery beds by students



PG students in practical class

6.4.6. Supervision of students in M. Sc. Degreeprogrammes:

P.G. students were supervised by faculty as per ICAR guidelines during 2009-10 to 2014-15.

6.4.7 Feedback of stakeholders(Students, parents, etc)

- Teachers, HOD and Dean frequently take feedback from the students and act accordingly to excel the teaching as well as lab work so that students can complete their degree within time frame with sound knowledge and efficiency.
- Students also give feedback of whole degree program during their stay in the campus.

Among visitors the students of different schools, colleges and farmers give their feedbacks through telephonic conversation. Feedbacks are taken care of to improve accordingly(Annexure III).

Placements of the M. Sc. agroforestry students

Sl. No.	Name of Students	ID no.	Degree Programme	Addmission year	Passed year	Job
1.	ChhaviSirohi	HF-5026/09	M. Sc. (Forestry) Agroforestry	2009	2011	Asstt. Scientist (HAU 2017)
2.	Km. Anjali Tewari	HF-5609/10	M. Sc. (Forestry) Agroforestry	2010	2012	Asstt. Prof.
3.	Km. Priyanka	HF-5610/10	M. Sc. Agroforestry	2010	2012	Asstt. Prof.
4.	Vikash Kumar	HF-5608/10	M. Sc. Agroforestry	2010	2012	Asstt. Prof.
5.	Vinita Bisht	HF-5611/10	M. Sc. Agroforestry	2010	2012	Asstt. Prof.(BUAT 2017)
6.	Mr.Tarun Kumar	HF-6353/11	M. Sc. Forest Ecology & Environment	2011	2013	-
7.	Pradhuman Singh	HF-6849/11	M. Sc. Agroforestry	2011	2013	Asstt. Prof.
8.	Mr.BrijeshYadav	HF-6347/11	M. Sc. Agroforestry	2011	2013	Asstt. Prof.
9.	Mr. Azad Kumar Singh	HF-7000/12	M. Sc. Agroforestry	2012	2014	-
10.	Mr.Alok Kumar	HF-6996/12	M. Sc. Agroforestry	2012	2014	Teacher
11.	Mr. Raj Bhusan Singh	HF-6998/12	M. Sc. Agroforestry	2012	2014	-
12.	Mohd. Aslam	HF-6999/12	M. Sc. Agroforestry	2012	2014	-
13.	Neeraj Kumar	HF-7001/12	M. Sc. Agroforestry	2012	2015	-
14.	Mr.Lekh Raj	HF-6997/12	M. Sc. Agroforestry	2012	2015	-
15.	Mr.Aslam Khan	HF-6999/12	M. Sc. Agroforestry	2012	2014	-

6.4.8 Students intake and attrition in the programme

Year wise student information last five years are given below

Name of degree programme	Actual student admitted in last five years					Attrition (%)				
	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
M. Sc. Agroforestry	4	7	-	-	-	01 (25%)	01 (14.28%)			

M. Sc. Agroforestry degree were supervised the faculty members last five years

SI. No.	Name of Students	ID no.	Advisor name	Admission year	Passed year
1.	Brijesh Yadav	HF6347/11	D. Ram	2011	2013
2.	Mr.Tarun Kumar	HF-6353/11	Dr. S. K. Verma	2011	2013
2.	Pradhuman Singh	HF - 6849/11	Dr.O. P. Rao	2011	2013
3.	Mr. Azad Kumar Singh	HF 7000/12	Dr.A.K. Saxena	2012	2014
4.	Mr.Alok Kumar	HF - 6996/12	Dr.S.K. Verma	2012	2014
5.	Mr. Raj Bhusan Singh	HF-6998/12	Dr.A.K.S. Parihar	2012	2014
6.	Mohd. Aslam	HF-6999/12	Dr.D. Ram	2012	2014
7.	Neeraj Kumar	HF - 7001/12	Dr.O. P. Rao	2012	2015
8.	Mr.Lekh Raj	HF-6997/12	Dr.S. K. Verma	2012	2015



M. Sc. Forestry students with faculty members in Kisan Mela



M. Sc. Forestry student in 15th convocation

6.4.9 ICT Application in curricula delivery:

- The ICT is used for teaching and practical classes. PPT is being used by the faculty as and when necessary.
- Students are also provided facility to give there seminar in PPT mode only and preparation of manuscript like assignment, research data compilation , analyses, research paper, reference collection and preparation of manuscript of thesis with help of departmental and ARIS lab facility of the university.
- We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for M. Sc. (Forestry) Agroforestry is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr.V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

**Self Study Report
for the
Accreditation
of
Ph.D. Horticulture/Forestry**



**College of Horticulture and Forestry,
Acharya Narendra Deva University of
Agriculture and Technology
Kumarganj, Ayodhya- 224229, U.P., India**

6.4. Self-Study Report for the Ph.D. Programme No. 1

Name of the Programme: Ph.D. Horticulture

Name of Department: Fruit Science (Horticulture)

6.4.1. Brief History of Degree Programme: Ph.D. Horticulture

The Department of Fruit Science under College of Horticulture & Forestry is located in main campus of N.D.U.A.&T., Kumarganj Ayodhya U.P. 42 km away from Faizabad Headquarter on Faizabad Raibareilly road at Kumarganj. Department of Fruit Science offers Ph.D. programme in Horticulture which was started in 1984 with College of Agriculture with intake of 2 students per year. In the year 1992 the intake was increased to 6 seats per year. In the year 2008 the department was shifted to newly established College of Horticulture & Forestry.

Objectives:

- To make provision for quality education to the rural people of Uttar Pradesh in Horticulture/Fruit Science
- To provide good facility for research
- To conduct location specific need based research
- To conduct research on various aspect of tropical and sub tropical fruits, ornamental, medicinal and aromatic crops including their post harvest technologies.
- To generate technology for improving production and productivity of Tropical/Sub tropical crop.
- Dissemination of research achievement to the farmers and extension agencies through the participation in various extension activities.

Accomplishments:

- Department of Fruit Science offers Ph.D. courses in Horticulture. The department admits on an average 06 students for Ph.D. programme in Horticulture disciplines through the Combined Agriculture & Technology Entrance Test (CATET) organized at state level. In the last five years 14 students have been awarded Ph.D. Horticulture degree

6.4.2 Faculty Strength: Department of Fruit Science

	Teaching positions			Faculty Recommended by ICAR
	Sanctioned	In Place	Vacant	
Professor	01	01	-	01
Associate Professor	03	03	-	02
Assistant Professor	10	06	03	03
Guest Faculty	01	-	01	
Total	15	10	04	06

Staff Position, Department of Fruit Science

S. No.	Teaching/Research	Professor			Associate Professor			Assistant Professor		
		Sanctioned	Filed	Vacant	Sanctioned	Filed	Vacant	Sanctioned	Filed	Vacant
1	Teaching	01	01	-	02	02	-	02	02	-
2	Landscaping	-	-	-	01	01	-	01	-	01
3	PHT	-	-	-	-	-	-	01	-	01
4	Plan(ICAR)									
	AICRP Arid Zone	-	-	-	-	-	-	03	01	02
	AICRP MAP	-	-	-	-	-	-	03	03	-
	Total	01	01	-	03	03	-	10	06	04

Department wise Scientific/Teaching Positions –Fruit Science

Sl. No.	Name of Department	Scientist/Teachers in working
1-	Fruit Science	Dr.A.K. Singh, Associate Professor (HOD) Looking after activities
		1. Dr.Sanjay Pathak, Professor
		2. Dr.D. Ram, Professor
		3. Dr.BhagwanDeen, Professor
		4. Dr.Ashok Kumar, Associate Professor
		5. Dr. BhanuPratap, Associate Professor
	AICRP Arid Fruits	6.Dr. H.K. Singh, Assistant Professor
2-	Post-Harvest Technology	7. Dr. Sanjay Pathak, Professor (HOD) (Looking after activities)
3-	Floriculture and Landscape	8. Dr. A.K. Singh, Associate Professor
4-	Medicinal and Aromatic Plants	9. Dr. SubodhPande, Assistant Professor (HOD)
		10. Dr. D.P. Mishra, Assistant Professor
		11. Dr. Amar Pal Singh, Assistant Professor

6.4.3 TECHNICAL AND SUPPORTING STAFF

	Administrative Staff		
	Sanctioned	In Place	Vacant
Senior Assistant	01	01	-
Junior Assistant	01	01	-
Accounts Clerk	01	01	-
Stenographer	01	-	01
Total	04	03	01

Department wise Ministerial/Technical Positions–Fruit Science

Sl. No.	Name of Department	Ministerial/Technical in working
1-	Fruit Science	1- Dr. Angad Singh, Hort. Inspector
		2- Shri. Devesh Singh, Hort. Supervisor
		3-Shri. Rajesh Kumar Singh, Assistant Accountant
		4. Shri. Y.N. Mishra, Lab Assistant
		5. Km. Qausar Warsi, Lab Assistant
		6- Shri. Udai Raj, Jr. Clerk
	AICRP Arid Fruits	1- Shri. Nand Lal Sharma, S.T.A. 2. Shri. Ram Shankar Gupta, Lab. Assistant
2-	Floriculture and Landscape	-
3.	Medicinal and Aromatic Plants	1. Shri. B.D. Singh, Jr. Clerk
		2. Dr. C.M. Ojha, Tech. Asst. Hort.
		3. Shri. T.P. Singh, Field Man
		4. Shri. Shesh Mani Srivastava, Field Man

Department of Vegetable Science: Faculty and facilities of this deptt. are used by the students of M.Sc. (Hort.) fruit Science for completion of their courses and thesis work programme.

S N	Teaching/Res earch	Professor			Associate Professor			Assistant Professor		
		Sanctio ned	Fill ed	Vaca nt	Sanctio ned	Fill ed	Vaca nt	Sanctio ned	Fill ed	Vaca nt
1	Teaching	1	1	-	1	-	1	1	-	1
2	State Non Plan									
	Vegetable Research	-	-	-	1	-	1	2	2*	-
3	Plan(ICAR)									
	AICRP Potato	-	-	-	-	-	-	2	1	1
	AICRP Spices	-	-	-	1	1**	-	1	1*	-
	AICRP Vegetable Crops	-	-	-	-	-	-	1	1*	-
	Total	1	1	-	3	1	2	7	5	2

Note-*,**at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

Different departments of College of Agriculture involved in teaching of minor courses as well as thesis work of the students:

Sl.N.	Sanctioned faculty	Faculty in place		Vacant position	
		Teaching	Research	Teaching	Research
Agril. Economics					
1	Professor	-		01	
2	Assoc. Prof.	02			
3	Asstt. Prof.	01		-	
Agril. Statistics					
1	Professor	-		-	

2	Associate Professor	01		01	
3	Assistant Professor	01		01	
4	Guest facility	03			
Agril. Meteorology					
1	Professor	-		-	
2	Associate Professor	-		02	
3	Assistant Professor	03	01	01	
4	Guest facility	01			
Agri. Biochemistry					
1	Professor	-		-	
2	Associate Professor	01		01	
3	Assistant Professor	03		03	
Crop Physiology					
1	Professor	-		1	
2	Associate Professor	1		-	
3	Assistant Professor	1		-	
4	Guest facility	01			
Entomology					
1	Professor	01		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		-	
Genetics & Plant Breeding					
1	Professor	01		01	
2	Associate Professor	01	02	-	04
3	Assistant Professor	03	03	02	01
Plant Molecular biology and Genetic Engineering					
1	Professor	01		02	
2	Associate Professor	01		02	
3	Assistant Professor	02		03	
Plant Pathology					
1	Professor	-		01	
2	Associate Professor	-		01	
3	Assistant Professor	-		01	
4	Guest facility	02			
Soil Science & Agricultural Chemistry					
1	Professor	02		01	
2	Associate Professor	01		01	
3	Assistant Professor	02		02	

6.4.4 Classrooms and Laboratories: Students are availing the facilities of class rooms and laboratory facilities from the different department of College of Horticulture and Agriculture as follows. Apart from this they are utilizing the facilities of ICAR- CISH, Rahamankhera, Lucknow (U.P.) for the completion of degree programme and they could utilize the facilities of ICAR- NRC Litchi, Muzaffarpur (Bihar) [Under Umbrella MOU between N.D. University of Agriculture and Technology, Kumarganj, Faizabad (U.P.) and ICAR - CISH, Rahamankhera, Lucknow (U.P.)/ ICAR- NRC Litchi, Muzaffarpur (Bihar)].



Ph.D. Students observing data in Lab

Class room of Ph.D. Fruit Science

Sr. No.	Degree Programme	No. of Lecture Room	No. of P.G. Laboratory
1	Ph.D. Horticulture Fruit Science	1	1

Facilities being utilized by the students from the other departments of College of Horticulture and Forestry as follows.

Sr. No.	Department	No. of Lecture Room	No. of P.G. Laboratory
1	Vegetable Science	1	1
2	Post harvest technology	-	1
3	Medicinal and aromatic plants	-	1

Facilities being utilized by the students from the following departments of College of Agriculture for completion of Ph.D. Horticulture Fruit Science degree programme:-

Sr. No.	Departments of College of Agriculture	No. of Lecture Room	No. of Laboratory
1	Soil Science and Agricultural chemistry	1	1
2	Agricultural Statistics	1	1
3	Agricultural Biochemistry	1	1
4	Plant Pathology	1	1
5	Crop Physiology	1	1

Laboratory Facility:

SI. No.	Departments			
	Fruit Science	Post Harvest Technology	Medicinal & Aromatic Plants	Floriculture & Landscape
1	Digital spectro photometer	Pulper machine	Top Pan Balance (5kg)	Lawn mower machine-6
2	Autoclave	Grater machine	Leaf Area Meter	Water tanker -1
3	Analytical balance	Fruit/ vegetable slicer machine	Spectrophotometer	Pump-2
4	Chainometric balance	Potato peeler	Rotary Vacuum Pump	Power Triller

5	Weight Box	Hand refractometer of different range	Heating Mental	Foot spryer
6	Seed Storage cabinet	Crown carking machine	Lux Meter Digital MAC	Spade-62 Pruning scissor-4
7	Decimal Triple beam balance cap 3 kg	Basket press juicer	Godrej Refrigerator	
8	Plant Grinder (willey mill) size 40.20mm with 0.25 HP motor (nf)	Steam jacket kettle	BOD Incubator	
9	Hand Refractometer	Atomic absorption spectroscopy(Not in working condition)	Autoclave Vertical	
10	Laboratory Heating plate .	U V Spectrophotometer	Microprocessor based Leaf Area Meter Spectro	
11	photo electric calorimeter 0-10 44154 with filter (nf)	Distillation plant	Digital Microscope with LCD Fisher	
12	Rotatory microtome (nf)	Potato slicer		
13	Auto clave vertical	Physical balance		
14	Hot air oven	Digital physical balance		
15	P.C. Based automatic absorption spectrophotometer double beam with compressor	Digital chemical balance		
16	Seed germinator (double chamber)	Hot air Oven		
17	Quick freezer	pH meter		
18	Distillation unit	Firmness tester		
19	Spirit Lamp	Pricking machine		
20	Sieve 20,40 mesh	Auto clave		
21	B.O.D Incubator (low temp.)	Pasteurization chamber		
22	Plant growth chamber (MAC)	Juice filling machine		
23	Soil Auger Screw type 50mm	P.P Cap sealing machine		
24	Screw gauge 25mm,50mm	Ball mill		
25	Venire callipers	Mixi		
26	Chromatography cabinet for 4 (nf)	Refrigerator		
27	Refrigerator	Two Frozen Chamber		
28	Media sterilization system autoclave			
29	Water bath			
30	Gas generator from photometer (nf)			
31	Lux meter 50K (nf)			
32	Vacuum pump `with 1.5 HP motor (nf)			
33	Kjeldhal digestion unit micro (nf)			
34	Moisture box cop.250gm for soil sample(nf)			
35	Rapid moisture meter 0-50% with weight			
36	Shaking machine (kahni type) with cover body fixed speed with timer			
37	laboratory mill (willey type with 0.5HP meter			
38	Bacteriological Incubater memmert type , stainless steel			

	with extra for air cooler fan
39	Measuring tape 30mt.
40	B.O.D. Incubator.
41	B.O.D. Incubator automatic
41	Seed storage cabinet - 30 trays
43	Digital electronic top loading balance
44	Poly pouch sealing machine (nf)
45	U.V. radiation seed viewing cabinet
46	Digital pH meter
47	Digital conductivity meter (nf)
48	Digital photo electric calorimeter model
49	Flame photometer without automatic ignition <i>cat CL 361 Eleco optional calcium filter for above (nf)</i>



Students performing experiment in lab



Sample Drying for Dry weight estimation

Facilities being utilized by the Students of Ph.D. Horticulture from the different departments of College of Agriculture

Name of equipments	No.	Name of equipments	No.
Agricultural Statistics		Agril. Biochemistry	
Computer	46	Centrifuge	1
Crop Physiology		Muffle furnace	1
Centrifuge Machine	2	Distilled water plant (single)	1
Electronic balance	2	Water bath	1
Chainometric balance	5	Electrical balance	1
Flame photometer	2	Electrophoresis	1
Leaf area meter	1	pH meter	1
Chlorophyll meter	1	Hot Air Oven	2
Microscope	1	pH meter	1
Low term cabinet		Oven	2
Oven	2	Electrophoresis	1
pH meter	1	Spectronic-20	1

Conductivity meter	1	Spectro photometer	1
Spectrophotometer	1	Stabilizer	3
LCD	2	Electronic balance	1
Computer	3	PMB&GE	
Photocopier Machine	2	PCR machine	2
Plant Pathology		Gel Doc	2
		Incubator	1
Real Time PCR	01	Laminar air flow	3
PCR	01	Shaker	1
Lyophilizer	02	Trans blot	1
Centrifuge	02	UV-Vis Spectrophotometer	1
Laminar Flow	02	Distillation unit	1
Hot Air Ovens	03	Gene gun	1
BOD Incubators	03	Deep freezer	1
Autoclave	02	2D Gel unit 2-D	1
Refrigerators.	04	Electrophoresis unit (Horizontal and vertical)	3
Gel Electrophoresis Unit	02	Water Bath	1
Seed Germinator	01	Ice Flicker	1
ELISA Unit	01	pH meter	2
Electronic Weighing Balance	01	ELISA reader	1
Water Distillation Unit	01	Centrifuge	3
pH Meter	01	Autoclave	2
Shaker	01	Electronic balance	2
Soil Science & Agril. Chemistry			
Nitrogen Auto Analyzer	1		
pH meter	2		
BOD Incubator with temperature and humidity control	2		
Refrigerator 300 liters	1		
Mixer/grinder	1		
Microscope	1		
Autoclave Vertical Double wall Size 300x500	1		
Electrical Conductivity meter	1		
Spectrophotometer	1		
Mechanical Shaker	1		
Analytical balance	1		
Hot air oven	1		
Top Table Centrifuges	1		
Suction Pump	1		
Distilled water unit Glass	2		
Muffle Furnace	1		
Diamond Impregnated Cutting Wheel	1		

Universal Blast Burner	1	
Triangular file	1	
Diamond Glass Cutter	1	
Glass Cutter Tubing	1	
Soil Auger Screw Type	2	
Soil Salinity sensor	1	
Hydro probe with accessories	1	
Tensiometer	2	

Farm Facilities:

Sl. No.	Name of the Farm(Agricultural Land)	Area (Acre)
1.	Department of Horticulture (MES)	50 Acre
2.	Waste Land Development Centre-II, Govindpur Farm	250 Acre
3.	Waste Land Development Centre-I, Akma Farm	750 Acre



**Interaction of Ph.D student with Advisor
at MES Horticulture**



**Teachers at MES, Horticulture for
conducting research trial of Ph.D. Scholar**

Farm Facilities

S.No.	Item	Fruit Science	Medicinal & Aromatic Plants
1	Tractor	2	1
2	Power Tiller	1	-
3	Cultivator	2	1
4	Trolley	2	1
5	Disc Plough	2	-
6	Disc Harrow	2	1
7	Ridge Maker	-	-
8	Leveler	1	-
9	Rotavator	1	-
10	Pruning Knife	20	2
11	Budding Knife	25	-
12	Secateurs	30	1
13	Kudal	20	15
14	Darati	35	12
15	Hand how	14	3
16	Garden How	12	-
17	Hazara	10	2
18	Foot Sprayer	3	1

19	Hand Sprayer	1	1
20	Power Sprayer	2	-
21	Tube well	3	-
22	Diesel Engine	1	-
23	Lawn Mover	2	-
24	Garden tools kit	1	-
25	Seed Germinator	1	1
26	Sprinkler	1	-
27	Packaging House	1	-
28	Office	1	1
29	Earthen Pot	400	50
30	Sword(Grass Cutter)	-	-
31	Iron Plate(Labelling)	-	-
32	Plastic Plate(Labelling)	-	-
33	Walking Cool Chamber	1	-
34	Pouch Packing Machine	-	-
35	Stitching Machine	-	-
36	Motorcycle	-	-
37	LPG Connection	-	-
38	Tractor Rake	-	-
40	Water Proofing Sheet	-	-
41	Store	1	1
42	Generator	1	-
43	Thresher	-	-
44	Weighing Balance	1	2
45	Green House	1	1
46	Poly House	1	1
47	Threshing Floor	1	1

Workshops:

Workshops and instructional units being utilized

1. Govind Nagar,
2. Akma,
3. Instructional Farm- MES, Horticulture



Vice Chancellor's Visit on Ph.D. Student Trial at MES, Horticulture, Kumarganj, Ayodhya

Theory and Practical Batches for Ph.D. :

	Ph.D. Batch
Practical	1
Theory	1

6.4.5. Conduct of Practical and Hands-on-Training:

- Ph.D. students do their practical as well as learning in the well-equipped laboratories in the college in morning and evening lab classes from 7.30 to 9.30 am and 2:40 to 4:40 pm respectively.
- Live field trainings are given at MES Horticulture, Akma and Govind Nagar Farm situated adjacent to the campus.
- Thesis research work of Ph.D. students are conducted at MES Horticulture/Akma/Govind Nagar Farm However, laboratory experiments are conducted in departmental lab and some other respective laboratories of the University/ Institutions.
- Students are getting facilities of laboratories work, experimental material and scientific faculty assistance from the ICAR- CISH, Lucknow for completion of thesis work

6.4.6. Supervision of students in Ph. D. programmes:

Department	Name of the Degree Programme	In last five years									
		2013-14		2014-15		2015-16		2016-17		2017-18	
Horticulture	Ph. D.	Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors	Total Students	Total Advisors
		-	-	4	4	5	5	1	1	4	4

List of Ph.D. Horticulture students admitted during last five years

Ph.D. Horticulture students admitted 2013-14			
S.No	Name of students	ID. No.	Major Advisor
1	Handra Prakash	-	Dr. O.P.Singh
2	Sree Kant	-	Dr. D. Ram
3	Mithlesh Kumar	HF-6317/11/13	Dr. A.K. Singh
4	Govind Vishwakarma	-	Dr. A.L.Yadav
5	Amit Kumar	-	Dr. O.P. Singh
6	Rashmi	-	Dr. Bhagwan Deen
Admitted in the session 2014-15			
1	Dileep Kumar Tiwari	HF-6312/11/14	Dr. Bhanu Pratap
2	Raj Kumar	HF-6322/11/14	Dr. Ashok Kumar
3	Dileep Kumar Left	HF-6970/12/14	Dr. Bhagwan Deen
4	Krishna Kumar Mishra	HF-6972/12/14	Dr. Sanjay Pathak
Admitted in the Session 2015-16			
1	Bindhya Prasad	HF-9013/15	Dr. Ashok Kumar

2	Umesh Kumar	HF- 4752/09/13/15	Dr. D Ram
3	Rajesh Kumar	HFA-4705/09/13/15	Dr. Sanjay Phathak
4	Kunwar Avinesh Pratap Singh	HF-9014/15	Dr. A.K.Singh
Admitted in the Session 2016-17			
1	Avaneesh Kumar Mishra	HF-6968/12/16	Dr. Bhagwan Deen
Admitted in the session 2017-18			
1	Abhinav Kumar	HF-8967/15/17	Dr. A.K.Singh
2	Atul Yadav	HF-8971/15/17	Dr. Sanjay Pathak
3	Dheeraj Yadav	HF-8973/15/17	Dr.D Ram
4	Sneha Singh	HFA-5246/10/14/17	Dr. Bhanu Pratap

6.4.7. Feedback of Stakeholders (Students, Parents, industries, employers, farmers, etc.):

- Teachers, HOD and Dean frequently take feedback from the students and act accordingly to excel the teaching as well as lab work so that students can complete their degree within time frame with sound knowledge and efficiency.
- Students also give feedback of whole degree program during their stay in the campus.
- Among visitors the students of different schools, colleges and farmers give their feedbacks through telephonic conversation. Feedbacks are taken care of to improve accordingly.
- The samplings of Ber, Bael, Aonla varieties devolved by the department is always in great in demand by Farmers, research workers of different SAU's and Government Agencies.

(Annexure III).

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

Department	Name of the Degree Programme	Actual student admitted in last five years					Attrition(%)				
		2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)	2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)
	Ph. D.	6	4	5	1	4	33.3	25	20	0	0

6.4.9. ICT Application in Curricula Delivery:

- Course on Computer application is offered to M.Sc. students of Horticulture. Students learn online and offline bibliographic search through network and CDR.OM, server, electronic mail, internet, creation and update of database, statistical analysis of research data.
- Wi-Fi/ net and Computer facility is available to almost all faculty members of the department to enrich and update their knowledge.

- We don't have separate computer lab for PG and Ph.D. students however they are free to use the central facility of ARIS lab.
- Teachers delivered lectures through multimedia projector along with blackboard teaching.
- Students delivered their seminars/assignment presentation through multimedia projectors.
- We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.
- One of our faculty members has developed a website.



6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for **Ph.D.Horticulture** is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr.V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

6.4. Self-Study Report for the Ph.D. Programme No. 2

Name of the Programme: Ph.D. (Hort.) Vegetable Science

Name of Department: Vegetable Science

6.4.1. Brief History of Degree Programme: Ph.D. Horticulture

Department as well as Ph. D. Vegetable Science degree programme was started in the year **1981** with College of Agriculture and from **2006** onwards with College of Horticulture and Forestry.

Objectives-

- To produce, scientifically and technically trained sound vegetable science graduate and postgraduate human resource, who could take over the responsibility and challenges of vegetable science in future.
- To formulate feasible and specific package of practices of vegetable production/processing technology to meet out the future demand and optimization of farmers income especially under agro climatic conditions of eastern UP.
- To develop segment specific improved varieties/hybrids/resistant varieties of vegetables for optimization of farmer's income especially for agro climatic conditions of eastern UP as per market demand.

Accomplishment-

- Department of Vegetable Science offers UG and PG courses for B.Sc. Horticulture, B.Sc. Agriculture, M. Sc. Horticulture (Vegetable Science) and Ph. D. degree in Vegetable Science. The department admits on an average 05 research scholars for Ph.D. degree programmes in Horticulture disciplines through the Combined Agriculture & Technology Entrance Test (CATET) of all the four agricultural university of UP. Students admitted since academic session 2013-14, a sum of 13 students have been awarded Ph. D. degree in Vegetable Science.

6.4.2. Faculty Strength:

S N	Teaching/Research	Professor			Associate Professor			Assistant Professor		
		Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant	Sanctioned	Filled	Vacant
1	Teaching	1	1	-	1	-	1	1	-	1
2	State Non Plan									
	Vegetable Research	-	-	-	1	-	1	2	2*	-
3	Plan(ICAR)									
	AICRP Potato	-	-	-	-	-	-	2	1	1
	AICRP Spices			-	1	1**	-	1	1*	-
	AICRP Vegetable Crops	-	-	-	-	-	-	1	1*	-
	Total	1	1	-	3	1	2	7	5	2

Note-*,**at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

6.4.3. Technical and Supporting staff:

S. No	Teaching/Research	Technical/Ministerial			IV Class		
		Sanctioned	In Place	Vacant	Sanctioned	In Place	Vacant
1	Teaching	6	4	2	6	6	-
2	State Non Plan						
	Vegetable Research	4	2	2	2	1	1
3	Plan(ICAR)						
	AICRP Potato	2	2	-	1	1	-
	AICRP Spices	1	1	-	-	-	-
	AICRP Vegetable Crops	1	1	-	-	-	-
	Total	14	10	4	9	8	1

6.4.4. Class room and Laboratories:

Class Rooms-01: Laboratory-01: Seminar Room- 01



Estimation of curcumin



Estimation of Oleoresin content

Estimation of Bio-Chemical Characteristics of turmeric by Ph.D. Students

List of major equipments in laboratories

Sl. No	Equipments
1	Seed Germinator
2	BOD Incubator
3	Flame Photometer 121
4	Digital Direct Reading, Conductivity Metro-304
5	Laboratory Centrifuge (REMI)
6	Scanning Mini (SPEC-SL-177)
7	SEW India made Sunvic in U.K.
8	Digital Water Plant
9	Tulaman-3kg
10	Keroy Balance
11	Royal War Error Balance
12	Triple Beam Balance-3kg
13	Heating Plate
14	Digital pH meter-335
15	ATCO Weighing Scale
16	Water Bath
17	Flame Photometer-129
18	KRoy Analytical Single Pan Balance
19	YARKO Incubator
20	Thermostate Oven
21	Chinamatic Balance

Farm Facility:

A well planned one Main Experiment Station (MES) and one seed production farm facilities are available. The MES is situated adjacent to the campus. Students practical classes and field trials are conducted at MES Vegetable Science. The details of farms are as follows:

SI. No.	Name of the Form(Agricultural Land)	Area (Acre)
1	Main Experiment Station (MES), Campus Kumarganj	32 Acre
2	Vegetable Science Production Farm, Nagipur	8 Acre



Project Coordinator Spices interacting about coordinated experiments of turmeric at MES Vegetable Science

List of equipment at MES Vegetable Science

SI. No.	Item	Number
1.	Tractor	2
2.	Cultivator	2
3.	Trolley	1
4.	Disc Harrow	2
5.	Leveller	1
6.	Rotavator	1
7.	Secateurs	35
8.	Kudal	30
9.	Darati	35
10.	Hazara	3
11.	Foot Sprayer	4
12.	Hand Sprayer	1
13.	Tube well	2
14.	Diesel Engine	1
15.	Seed Germinator	2
16.	Office	1
17.	Earthen Pot	82
18.	Sword(Grass Cutter)	2
19.	Iron Plate(Labelling)	300
20.	Plastic Plate(Labelling)	350
21.	Pouch Packing Machine	1
22.	Stitching Machine	1
23.	Motorcycle	1
24.	LPG Connection	1
25.	Tractor Rake	1
26.	Water Proofing Sheet	5
27.	Store	3
28.	Generator	2

29.	Weighing Balance	1
30.	Green House	1
31.	Poly House	1
32.	Threshing Floor	1

6.4.5. Conduct of Practical and Hands on Training:

Practical classes are performed as per course curricula in UG and PG lab as well as at the MES Vegetable Science situated adjacent to the campus from 7-30AM to 9-30AM in the morning and 2-40 to 4-40PM in the evening as per credit hours. The experiments related to thesis work are being conducted at MES Vegetable Science/Departmental; laboratory and/or other location of the University/farmers field and laboratory of other institutions if necessary. The details of batches for classes are as under:

Theory and Practical Batches for the Ph.D. degree Programmes:

Class	Degree Programme
	Ph.D.
Practical	1
Theory	1



Bottle gourd (Narendra Prabha)



Turmeric (Narendra Haldi -98)



Fenugreek (Narendra Methi -1)



Coriander (Narendra Dhania -2)

Crops at MES Vegetable Science

6.4.6. Supervision of students in PG/Ph.D. programme: (2013-14 to 2017-18)

All the faculty have the doctorate degree and they are assigned the duty of supervision of PG and research scholars as per the strength of the students with set pattern *i.e.* alphabet name of the students and seniority list of the faculty and continued every years from last serial of the faculty so there is no chance of biasness/discrimination while allotment of guide to the students. The detailed list of students and their major advisors are as follows:

List of Total Ph. D. Students and Advisors for last five years

Degree Programme	Total Students and Major Advisors									
	2013-14		2014-15		2015-16		2016-17		2017-18	
	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)	Students (No.)	Advisors (No.)
Ph. D.	6	6	6	5	5	5	5	5	4	4

List of Ph.D. students and their Major Advisors

S.No.	Student Name	Id. No.	Advisor	Admission year	Pass out year	Left	Job
Ph.D. Vegetable Science (2013-14)							
1.	Mr. Abhijeet	HF-6329/11/13	Dr.C.N. Ram	2013	-	Left	TA
2.	„ JitendraKumar Kushwaha	HF-6334/11/13	Dr.N.C. Gautam	2013	2017	-	TA
3.	„ Praveen Kumar Singh	H.F.6337/11/13	Dr.S.P. Singh	2013	2016	-	Teacher
4.	„ Vijay Kumar Vimal	HF-6345/11/13	Dr.P.K. Singh	2013	Thesis submitted	-	TA
5.	„ VinayendraPratap Singh	HF-6346/11/13	Dr.V.P. Pandey	2013	2017	-	TA
6.	„ Yamuna Prasad Singh	H.F.5608/10/13	Dr.V.B. Singh	2013	2016	-	SRF
Ph.D. Vegetable Science (2014-15)							
1.	Mr. Akshay Jain	HF-6979/12/14	Dr.V.P. Pandey	2014	2018	-	Private Co.
2.	„ Brijesh Kumar Singh	HF.6335/11/14	Dr.V.B. Singh	2014	-	Left	TA
3.	„ Deepak Kumar Gautam	HF 4293/08/12/14	Dr.G.C. Yadav	2014	2018	-	Teacher
4.	„ Devesh Pratap Singh	HF-6983/12/14	Dr.C.N. Ram	2014	-	Left	TA
5.	„ ManvendraSingh		Dr.G.C.Yadav				
6.	„ Vimlesh Kumar		Dr.D.P. Mishra				
Ph.D. Vegetable Science (2015-16)							
1.	Mr. Avinash Kumar Yadav	HF-7656/13/15	Dr.P.K. Singh	2015	-	Left	TA

2.	., Avnish Kumar Singh	HF-7655/13/15	Dr.V.P. Pandey	2015	Contd.	-	-
3.	., Manish Kumar Singh	HFA-4690/09/13/15	Dr.V.B. Singh	2015	Contd.	-	Teacher
4.	., Manish Pandey	HF-7661/13/15	Dr.G.C. Yadav	2015	Contd.	-	SRF
5.	., Pushpendra Kumar	HF-4699/09/13/15	Dr.C.N. Ram	2015	Contd.	-	RGNF

Ph.D. Vegetable Science (2016-17)							
1.	Mr. Devraj Singh	HF-8297/14/16	Dr.D.P. Mishra	2016	Contd.	-	-
2.	Gaurav Singh	HF-8298/14/16	Dr.P.K. Singh	2016	Contd.	-	-
3.	Kuldeep Kumar Bhargav		Dr. V.P. Pandey	2016	Contd.	-	-
4.	Prateek Kumar	HF-8305/14/16	Dr. V.B. Singh	2016	Contd.	-	-
5.	Sriom	HF-8314/14/16	Dr.G.C. Yadav	2016	Contd.	-	-

Ph.D. Vegetable Science (2017-18)							
1.	Mr. Rohit Kumar Bajpai	HF-8310/14	Dr.D. P. Mishra	2017	Contd.	-	-
2.	Mr. Rohit Maurya	HF-8994/15/16	Dr.P.K. Singh	2017	Contd.	-	-
3.	Mr. Manjeet Kumar	HF-10111/17	Dr.C.N. Ram	2017	Contd.	-	-
4.	Mr. Sharvan Kumar	HF-10110/17	Dr. V.P. Pandey	2017	Contd.	-	-

6.4.7. Feedback of stakeholders (students, parents, industries, employers, farmers etc.):

Teachers, HOD and Dean frequently takes feedback from the students and acts accordingly to excel the teaching as well as research work so that students can complete their degree within time frame with sound knowledge and efficiency in practical/research work in the field of vegetable science (Annexure III).

6.4.8. Students Intake and attrition in the programme for last five years:

Name of Degree Programme	Actual students Admitted in Last five Years					Attrition (%)				
	2013-14	2014-15	2015-16	2016-17	2017-18	2013-14	2014-15	2015-16	2016-17	2017-18
Ph.D. Vegetable science	6	6	5	5	4	16.67	33.33	0.00	0.00	0.00

6.4.9. ICT Application in Curricula Delivery:

- The ICT is used for teaching and practical classes. PPT is being used by the faculty as and when necessary.
- Students are also provided facility to give their seminar in PPT mode only and preparation of manuscript like assignment, research data compilation, analyses, research paper, reference collection and more over preparation of manuscript of thesis with help of departmental and ARIS lab facility of the university.
- We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.
-

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for **Ph.D. (Hort.) Vegetable Science** is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr.V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

6.4. Self-Study Report for the Ph.D. Programme No. 3

Name of Department: Agroforestry

Name of the Programme: Ph.D. (Forestry) Agroforestry

6.4.1. Brief History of Degree Programme: Ph.D. (Forestry) Agroforestry

Depending on overwhelming need of forestry in general and agroforestry in particular, the ICAR (New Delhi) funded a research scheme in the form of “All India Coordinated Research Project on Agroforestry” under the administrative control of Department of Horticulture of this University. The scheme was then transferred to a fullfledged Department of Forestry during year 1987-88. Later on the department was converted into non-plan scheme by the Government of Uttar Pradesh during the year 1990-91. In July, 2006 the College of Horticulture and Forestry was established. The department of forestry has been divided into two departments: (i) Department of agroforestry; and (ii) Department of forest ecology and environment. Again M.Sc.(Forestry) Agroforestry and Ph.D. (Forestry) Agroforestry to be started in 2019-2020.

Ph.D. (Forestry) Agroforestry

Degree programme	Started	Closed
Ph. D. Agroforestry was started	2012-13	2013-14
Ph. D. Agroforestry degree received	02	

6.4.2 Faculty Strength:

Scientists/Faculty of the Department have been teaching B.Sc. (Ag.), B.Sc. Horticulture M.Sc. and Ph.D. students. There are courses being taught under different discipline (Forestry, Horticulture, and Soil Science). The following is the detail of courses within and outside the department.

Teaching / Research Staff:

SI. No.	Name	Designation
1.	Dr.O.P. Rao	Professor
2.	Dr.A.K.S. Parihar	Associate Professor(retired on 31-1-2019)
3.	Dr.S. K. Verma	Asstt. Professor
4.	Dr.Ashmita	Asstt. Professor
5.	One GuestFaculty (Joining awaited)	

Sanctioned post status (non plan):

SI. No.	Name	Working	Sanctioned Post	Vacant
1.	Associate Professor	-	One	One
2.	Assistant Professor	1. Dr.O. P. Rao (Prof., CAS) 2. Dr.S. K. Verma	Three	One

Sanctioned post under AICRP-AF:

SI. No.	Name	Working	Sanctioned Post	vacant
1.	Associate Professor	-	One	One
2.	Assistant Professor	Dr. A. K. S. Parihar (retd. On 31-1-2019)	Three	One

6.4.3. Technical and supporting staff:

SI. No.	Name of Department	Ministerial/Technical in working
1-	Dr.R. J. Gupta	STA
2-	Shri.. Asutosh Singh	Fieldman

6.4.4. Classroom and Laboratories:

Number of classroom and functional laboratories available for the degree programme.

Degree Programme	No. of Class room	No. of Laboratory
Agro Forestry	1	1

A. List of major equipments in working condition under departmental laboratories.**Laboratories Equipments:**

SI. No.	Name of Equipment
1	Seed Germinator
2	BOD Incubator
3	Refrigerators
4	Deep Freezer
5	Computerized and one Manual Spectrophotometers
6	Flame Photometer
7	Leaf Area Meters
8	pH Meter
9	EC Meter
10	Moister Meter
11	Auto Clave
12	Soil Grinder
13	Seed Separator
14	Water Bath
15	Ten Computers including one Laptop with Canopy Analyzer
16	All Equipments related to forestry:Haga Altimeter, Venire Calipers, Girthing Tape, Stem bore,BarkGauge,Diameter Tape, Chainsaw
17	Hardening Chamber
18	Water Analyzer

B. List of farm facilities: Farm Area 17 acre

Sl. No.	Name of Item	Numbers
1	Tractor	1
2	Power Tiller	1
3	Cultivator	1
4	Trolley	2
5	Kudal	30
6	Darati	20
7	Hazara	8
8	Foot Sprayer	1
9	Hand Sprayer	1
10	Tube well	1
11	Diesel Engine	1
12	Thresher	1
13	Weighing Balance	1
14	Green House	1
15	Poly House	1
16	Seed Germinator	1
17	Store	2
18	Office	1
19	Earthen Pot	20
20	Sword(Grass Cutter)	4
21	Iron Plate(Labeling)	50

Agroforestry systems in MES Agroforestry



Agroforestry systems in MES Agroforestry

6.4.5 Conduct of practical and hands-on-training:

Students are getting desired practical and hands-on-training as per the curriculum by adopting following:

- Distribution of practical manuals.
- Practical exposure on Agro-forestry farm.
- Visit different agro-forestry systems on farmers.



Filling of polybags for seedlings by UG students in practical class

6.4.6. Supervision of students in Ph.D.degree programmes:

Ph.D. students were supervised by faculty as per ICAR guidelines during 2009-10 to 2014-15.

6.4.7 Feedback of stockholders (Students, parents, etc.)

- Teachers, HOD and Dean frequently take feedback from the students and act accordingly to excel the teaching as well as lab work so that students can complete their degree within time frame with sound knowledge and efficiency.
- Students also give feedback of whole degree program during their stay in the campus. Among visitors the students of different schools, colleges and farmers give their feedbacks through telephonic conversation. Feedbacks are taken care of to improve accordingly (Annexure III).

Placements of the Ph. D. agro-forestry students

Sl. No.	Name of Students	ID no.	Degree Programme	Admission year	Passed year	Job
1.	Km. Anjali Tewari	HF-5609/10	Ph.D. Agroforestry	2012	2015	Asstt. Prof.(Jaipur 2017)
2.	Km. Priyanka	HF 5610/10/12	Ph.D. Agroforestry	2012	2015	Asstt. Prof. (Dehradun)

6.4.8 Students intake and attrition in the programme

Year wise student information last five years are given below

Name of degree programme	Actual student admitted in last five years					Attrition (%)				
	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Ph. D. Agroforestry	2	-	-	-	-	-	-	-	-	-

Ph. D. Agroforestry degree were supervised the faculty members last five years

SI. No.	Name of Students	ID no.	Advisor name	Admission year	Passed year
1.	Km. Anjali Tewari	HF-5609/10/12	Dr.O. P. Rao	2012	2015
2.	Km. Priyanka	HF 5610/10/12	Dr.D. Ram	2012	2015



Kisan Mela exhibition with M.Sc. Forestry students M.Sc. Forestry student in 15th convocation

6.4.9 ICT Application in curricula delivery:

- The ICT is used for teaching and practical classes. PPT is being used by the faculty as and when necessary.
- Students are also provided facility to give their seminar in PPT mode only and preparation of manuscript like assignment, research data compilation, analyses, research paper, reference collection and more over preparation of manuscript of thesis with help of departmental and ARIS lab facility of the university.
- We are in the process of creating smart class room facilities.
- The speed of internet need to be improve for fast surfing on internet - Reliance jio has completed around 85 per cent work for Wi-Fi in the campus.
-

6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one of UG, PG and Ph.D. Degree Programmes, separately, and to be presented College-wise.

All the information for **Ph.D. (Forestry) Agroforestry** is given above.

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

Agreed

6.4.12. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr.V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.4.1 to 6.4.9 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

Self Study Report for the Accreditation of College of Horticulture



**College of Horticulture and Forestry,
Acharya Narendra Deva University of Agriculture
and Technology
Kumarganj, Ayodhya-224229, U.P., India**

6.5.1. College Administration

Authorization

The Uttar Pradesh (Krishi Evam Prodyogic Vishwavidyalaya Adhiniyam) 1958 (UP Act XLV of 1958 2Aii as amended Uttar Pradesh Krishi Vishwa Vidyalaya Adhiniyam, 1958) vests power with the University to institute degrees, diplomas and other academic distinctions. Accordingly, the university deemed it fit and established its technical faculty named as College of Horticulture and Forestry.

Dean

The Dean of faculty shall have the following powers and duties:

- He shall be responsible for the organization and conduct of teaching, research and extension work of the departments comprised in, the faculty and for that purpose shall pass such orders as might be necessary in consultation with the Head of the Department concerned.
- He shall look into and be responsible for the due observance of the other regulations relating to the Faculty.
- He shall preside over meetings of the Board of the Faculty.
- Without prejudice to the right of any member to present any matter to Board of the Faculty, he shall formulate and present policies to the Board of the Faculty for its consideration.
- He shall make reports to the Vice-Chancellor on the work of the college.
- He shall supervise the registration and progress of the students in the College.
- He shall be responsible to the Vice-chancellor for the educational use of the building and rooms assigned to the college and for the general equipments of the college as distinct from that of the separate department.
- He shall serve as the medium of communication for all official business of the college with other authorities of the University, the students and the public.
- He shall normally represent the college for specific conferences.
- He shall prepare the budget of the college in consultation with the Advisory Committee of the College.
- He shall be entitled to grant casual leave to the teachers of the Faculty and staff.

Teaching staff

The academic personnel's fulfill the qualifications prescribed by ICAR/UGC are treated as faculty. The faculty is categorized as Asstt. Professor/Asstt. Horticulturist, Assoc. Professor/

Horticulturist and then Professor. They integrate teaching, research and extension activities of the college.

Non-teaching staff

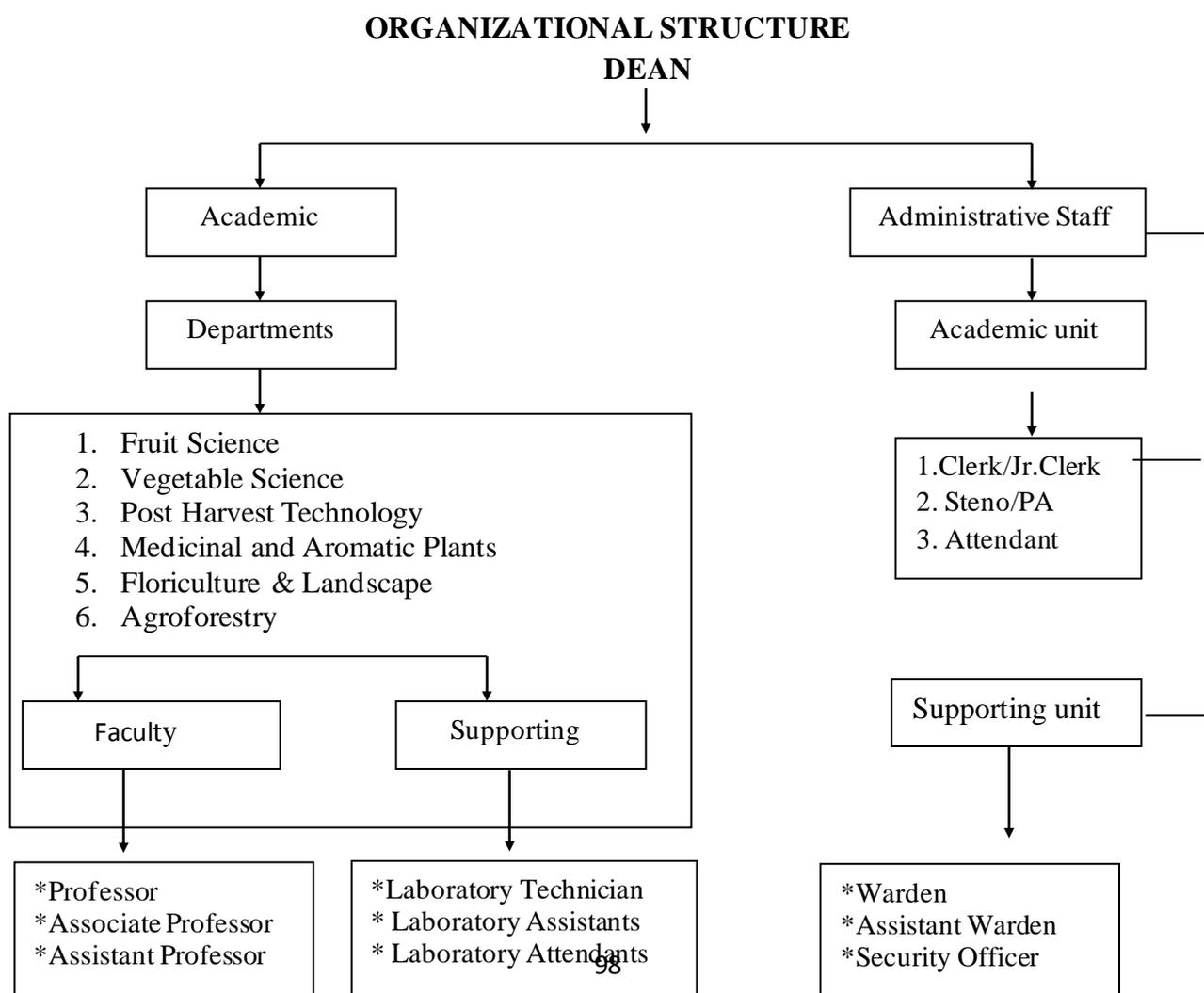
The personnel prescribed in Group II, Group III and Group IV are considered as supporting staff. Depending upon fulfilling the essential qualifications and experiences, they work as office superintendent, accountant, lab technician, Laboratory Assistant, typist, field assistant, mali, supervisor, messenger, attendant, etc.

They keenly work/ support the office to which they concern and over all obey the Dean.

6. Staff Positions

6.1 Category-wise staff strength (5 years)

S.No.	Category of staff	Number	Percent
1.	Faculty	09	64.28
2.	Technical	07	100.00
3.	Administrative	05	71.42
4.	Supporting	23	76.66



6.5.1.1. College Dean's Office Establishment:

Mode of Selection of Dean: On the basis of seniority

Tenure- This is not a tenurial post

Date of joining: 2 July, 2017

Staff and infrastructure/facilities available in the Dean's Secretariat:

Staff:

Dean, CHF Office	1. Shri. N.K. Srivastava, O.S. (attached to Dean office)
	2. Shri. Rajesh Singh, Assistant Accountant (attached to Dean office)
	3. Shri. T.P. Singh, O.S. (attached to Dean Office)

Facilities:

- Personnel Computer Set with Printer
- Copier-1
- Refrigerator-1
- Almirah-2
- Book Shelf-1
- File Shelf-1
- Chairs
- Sofa Set

6.5.1.2. Monitoring Mechanism for Quality Education (on-line):

The position of Dean is the Chief Executive and Highest Administrative Officer at the college level. He is responsible to execute the day to day relevant working activities of the college related to Teaching, Research & Extension along with the heads of various sections and supporting staff. The Directives received from Hon'ble Vice-Chancellor and Directors of University are being implemented as such at college level.

The College imparts B.Sc. (Hort.) Hons., M.Sc. (Hort.) Fruit Science/Vegetable Science and Ph.D. Horticulture courses in the College. The monitoring mechanism starts from the date of admission of students through UPCATET at State Level. Semester system is followed for imparting the education at UG/PG and Ph.D. level on the basis of 4th & 5th Dean's Committee. Examination and declaration of result is centrally governed by the office of the Registrar at University level. The college is equipped with the Academic Advisory Committee under the Chairmanship of Dean including faculty members. Dean, HODs monitor the classes randomly & asks to students about all course instructors regarding their teaching methods and course

completion. The instructions are communicated to the respective teacher accordingly, if required. Teachers monitor the students on their own way of motivation and communicate to his/her parents by telephonic conversation, if needed.

Besides it, there is a separate Academic and Examination Cell is already established at college level for the monitoring of the educational and examinations related activities at this college(Annexure VI& VII). Mid-Term examinations are being conducted by the respective course teachers. The Dean of this college also calls a meetings every month of the faculties and reviews the educational activities carried out by the College. If required, the issues/subjects are submitted/forwarded to the Academic Council of the University for further clarification/rectification.

Dean has assigned one scientist for each activities i.e. teaching, research and extension as coordinator to look after the work at college level.

- Coordinator of teaching monitors the related activities, as per annual academic calendar/time table and the guidelines/schedule received from ICAR/Registrar/dean of the university, at department as well as college level(Annexure VIII).
- Coordinator of research monitors student thesis work as per the synopsis of the students and scientist's research work as per approved project Draft and the guidelines received from ICAR-AICRPs/other project funding agencies along with Director of research of the university at department as well as college level.
- Coordinator of extension assist director extension regarding the activities of extension related to different disciplines of Horticulture and forestry. Coordinator extension also make bridge between farmers/visitors from the different organizations/institutes/schools and technology of the Horticulture and forestry.

6.5.1.3. CC/Board of Studies:

At department level, a meeting is organized under the Chairmanship of Head of Department in which all the teachers participate as member at least 15 days before start of the semester. In this meeting, finalize courses allotments, time table and discussion on syllabus is carried out as per requirement. Another meeting is organized once in a year in first semester for the allotment of the Major Advisor to the PG and Ph.D. students.

However, at college level, Board of Faculty of Horticulture and Forestry is constituted which takes decision about teaching and research programme and recommendations submitted

to Secretary academic council (Registrar) in form of agenda item to put up in Academic Council for the approval.

Composition of Board of Faculty/Studies

Dean -Chairperson
 All Head of Departments- Member
 All faculty members -Member

Date of conduct of meeting and major recommendations are mentioned in the following table:

Sl. No.	Date of Meeting	Recommendation
1.	11/09/2015	
2.	30/10/2015	
3.	05/11/2015	
4.	24/11/2015	
5.	03/12/2015	
6.	08/12/2015	
7.	09/12/2015	
8.	18/01/2016	
9.	07/01/2016	
10.	08/02/2016	
11.	10/02/2016	
12.	15/02/2016	
13.	17/02/2016	
14.	18/02/2016	
15.	19/02/2016	
16.	24/02/2016	
17.	26/02/2016	
18.	29/02/2016	
19.	02/03/2016	
20.	19/03/2016	
21.	21/03/2016	
22.	22/03/2016	
23.	29/03/2016	
24.	28/04/2016	
25.	07/05/2016	
26.	12/05/2016	
27.	13/05/2016	Discussed about preparation of NAAC report
28.	17/05/2016	
29.	19/05/2016	
30.	25/05/2016	
31.	06/06/2016	
32.	10/06/2016	
33.	14/06/2016	
34.	04/08/2016	Decision regarding implementation of V th Dean Committee recommendations

		for course curriculum
35.	12/08/2016	
36.	17/12/2016	Decision for allotment of the course number, course title for II semester of academic year-2016-17 of UG and PG degree program
37.	09/01/2017	
38.	20/01/2017	
39.	23/01/2017	Decision of maintaining the cleanliness of college in reference to NAAC accreditation
40.	27/01/2017	
41.	30/01/2017	
42.	06/02/2017	
43.	07/02/2017	
44.	08/02/2017	
45.	18/02/2017	
46.	02/05/2017	
47.	23/05/17	
48.	30/05/2017	Decision regarding to recruit the guest faculty in the department of Vegetable Science
49.	08/06/2017	
50.	15/06/2017	
51.	22/07/2017	
52.	26/07/2017	
53.	01/08/2017	
54.	02/08/2017	
55.	09/08/2017	
56.	24/08/2017	Decision regarding conducting meeting of faculty members of the college on last working day of every month at 04:00 -05:00 PM.
57.	07/09/2017	
58.	15/09/2017	
59.	16/01/2018	
60.	20/01/2018	
61.	25/01/2018	
62.	01/02/2018	
63.	15/02/2018	
64.	27/02/2018	
65.	21/03/2018	
66.	21/03/2018	
67.	22/03/2018	
68.	27/03/2018	
69.	12/04/2018	
70.	13/04/2018	
71.	17/04/2018	
72.	18/04/2018	
73.	10/05/2018	
74.	13/06/2018	
75.	19/06/2018	
76.	03/07/2018	
77.	16/07/2018	Decision regarding prevention of ragging, update of accreditation and course curriculam of college

78.	17/07/2018	
79.	20/07/2018	
80.	27/07/2018	Meeting Regarding to fill the vacant post of College of Horticulture and Forestry in reference to State Govt. recommendation.
81.	28/07/2018	
82.	09/08/2018	
83.	16/08/2018	
84.	21/08/2018	
85.	28/08/2018	
86.	29/08/2018	
87.	04/09/2018	

6.5.1.4. Anti Ragging Cell:

Anti ragging cell has been established under the chairmanship of DSW. He has constituted several committees at different level. These committees are working to control the ragging. For college of Horticulture a separate committee has been constituted by the Dean for the control of ragging (Annexure- IX).

6.5.1.5. Biological waste disposal facility:

In particular, college do not deal with Biological hazardous material however, Biological waste disposal facility is available at university level. The biodegradable waste materials are collected from the university campus by tractor and dumped in compost pit for decomposition under the supervision of microbiologist.

6.5.1.6. Institutional Ethics Committee for experiment on animals :Not applicable

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

Recently in the academic year 2018-19 the committee for prevention of sexual harassment of women at work places has been constituted at college level. The three member's committee for the purpose consists of one faculty, one female employee and one female student (Annexure- II).

6.5.2. Faculty

6.5.2.1. Faculty Strength:

Details of Staff Position, College of Horticulture and Forestry Teaching:

	Teaching Staff		
	Sanctioned	In Place	Vacant
Professor	03	02	01

Associate Professor	08	04	04
Assistant Professor	21	11	10
Guest Faculty	03	01	02 (Joining awaited)
Total	35	18	17

Technical and Supporting Staff

	Administrative Staff		
	Sanctioned	In Place	Vacant
Senior Assistant	3	3	-
Junior Assistant	3	3	-
Accounts Clerk	2	1	1
Stenographer	2	1	1
Total	10	8	2

Teaching Staff													
SI. No.	Name of Department	Sanctioned Post				In Place				Vacant			
		Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty	Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty	Prof.	Assoc. Prof.	Asstt. Prof.	Guest Faculty
1-	Fruit Science	01	02	02	01	01	02	02	-	-	-	-	01
	Agroforestry	-	01	03	01	-	-	02	-	-	01	01	01
	Post-harvest Technology	01	-	-		-	-	-		01			
	AICRP Arid Fruit Zone	-	-	03		-	-	01		-	-	02	
	AICRP Agroforestry	-	01	01		-	-	01		-	01		
	Medicinal and Aromatic Plants	-	-	03		-	-	03		-	-	-	
2-	Vegetable Science	01	01	01	01	01	-	-	01	-	01	01	-
	Research Project on Vegetables	-	01	04		-	-	01		-	01	03	
	AICRP Potato	-	-	02		-	-	01		-	-	01	
	AICRP Vegetable Crops	-	-	01		-	-	01		-	-		

	AICRP Spices	-	-	-	-	1	1**	-	-	1	1*	-	-
3-	Landscaping	-	01	-		-	01	-		01	-	01	
	Total	03	07	20	03	02	04	12	01	03	05	9	02

Note-*,**at present the faculty are assessed to Associate Professor and Professor, respectively under CAS

Staff Position, College of Horticulture& Forestry

Non-Teaching Staff					
SI. No.	Name of Department	Name of Sanctioned Post	Sanctioned Post	In Place	Vacant
1-	Fruit Science	Horticulture Inspector	01	01	-
		Horticulture Supervisor	02	01	01
		Stenographer	01	-	01
		Assistant Accountant	01	01	-
		Lab Assistant	02	02	-
		Jr. Assistant	01	01	-
		Account Clerk	01	01	-
		Tractor Driver	01	-	01
		Tube Well Operator	01	01	-
		Budder	05	02	03
		Head Mali	01	-	01
		Udyan Chaudhary	01	01	-
		Mali	05	03	02
		Attendant	01	01	-
		Chaukidar	01	-	01
	Post-harvest Technology	Lab Technician	01	01	-
		Store Keeper/ Sr. Assistant	01	-	01
		Lab Attendant	01	01	-
	AICRP Arid Fruit Zone	S.T.A.	01	01	-
		Field Assistant	01	-	01
		Lab Assistant	01	1	-
		Lab Attendant	01	1	-
		Mali	03	03	-
AICRP Agroforestry	Technical Assistant	01	01		
	Fieldman	01	01		
Medicinal and Aromatic Plants	Technical Assistant	01	01		
	Field Assistant	02	02		
	Jr. Assistant	01	01		
	Beldar	02	02		
2-	Vegetable Science	Stenographer	01	01	
		Accounts Clerk	01	-	01
		Jr. Assistant	01	01	
		Lab Assistant	02	02	
		Tractor Driver	01	01	

		Tube Well Operator	01	01	
		Attendant	01	01	
		Mali	03	03	
		Horticulture Supervisor	01	01	
	Research Project on Vegetables	Sr. Research Associate	01	01	
		Research Assistant	01	-	01
		Sr. Assistant/Storekeeper	02	02	
		Chaukidar	02	01	01
	AICRP Potato	Technical Assistant	02	02	
		Mali	01	01	
	AICRP Vegetable Crops	Technical Assistant	02	01	01
	AICRP Spices	Technical Assistant	01	01	
3-	Landscaping	Head Mali	01	-	01
		Jr. Horticulture Chaudhary	01	01	-
		Mali	03	02	01
4-	Production Processing of Fruits in Usar Wasteland	Horticulture Supervisor	01	01	
		Sr. Asstt./Storekeeper	01	01	
		Budder	02	-	02
		Mali	02	01	01
Total			76	54	22

Department wise Ministerial/Technical Positions

Sl. No.	Name of Department	Ministerial/Technical in working
1-	Department of Vegetable Science	1. Amar Nath Singh Yadav
		2- Shri. Anil Kumar Singh, Jr. Assistant
		3- Shri. Ganga Prasad Singh, Lab Assistant
		4- Shri. Ram Sagar Verma, Lab Assistant
		5- Shri. Satya Narayan, Hort. Supervisor
	Vegetable Research Project	1- Shri. Pramod Kumar, Sr. Assistant
		2. Shri. N.K. Srivastava, Senior Assistant
AICRP Potato Research Project	1- Dr. Amar Pal Singh, Technical Assistant	
	2- Dr. Ratnesh Kumar Srivastava, Technical Assistant	
AICRP Spices	2- Shri. Raj Kumar Gupta, Technical Assistant	
AICRP Vegetable Crops	1- Shri. Shiv Saran, Fieldman	
2-	Fruit Science Department	1- Dr. Angad Singh, Hort. Inspector
		2- Shri. Devesh Singh, Hort. Supervisor
		3- Shri. Rajesh Kumar Singh, Assistant Accountant
		4. Shri. Y.N. Mishra, Lab Assistant
		5. Km. Quaser Warsi, Lab Assistant
		6- Shri. Udai Raj, Jr. Clerk
AICRP Arid Fruits	1- Shri. Nand Lal Sharma, S.T.A.	
3-	Department of Post-Harvest Technology	Shri. Sudhir Kumar Singh, Lab Technician
4-	Department of Agroforestry	-
	AICRP on Agroforestry	1. Dr. R.J. Gupta, J.R.A. 2. Shri. Asutosh Singh, Fieldman
5-	Department of Floriculture and Landscape	-

	Production Processing of Fruits in Usar Waste Land	1. Dr. Akhilesh Kumar Singh, J.R.A. 2. Shri. T.P. Singh, Sr. Clerk
6-	Department of Medicinal and Aromatic Plants	1. Shri. T.P. Singh, Field Assistant 2. Dr. C.M. Ojha, Technical Assistant 3. Shri. B.D. Singh, Jr. Clerk 4. Shri.. Shesh Mani Srivastava, Field Man
	Dean, CHF Office	1. Shri. Rajesh Singh, Asstt. Accountant (attached to Dean office) 2. Shri. T.P. Singh, O.S. (attached to Dean Office)

6.5.2.2. Faculty Profile (Department wise):

Department wise Scientific/Teaching Positions

Sl. No.	Name of Department	Scientist/Teachers in working
1-	Department of Vegetable Science	1. Dr.P.K. Singh, Professor
	Vegetable Research Project	1. Dr.Vijay Bahadur Singh, Professor 2. Dr.C.N. Ram, Assoc. Professor
	AICRP on Potato	1. Dr.Raj Kumar Pathak, Assistant Professor
	AICRP Spices	1. Dr.V.P. Pandey, Professor, (looking after activities of Dean and Head
	AICRP Vegetable Crops	1. Dr.G.C. Yadav, Associate Professor
2-	Fruit Science Department	1. Dr.A. K. Singh, Associate Professor (looking after activities of Head, Fruit Sci. and Agro forestry)
		2. Dr.Sanjay Pathak, Professor
		3. Dr. D. Ram, Professor
		4. Dr.Bhagwandeem, Professor
		5. Dr.Ashok Kumar, Associate Professor
	6.Dr.Bhanu Pratap, Associate Professor	
AICRP Arid Fruits	1. Dr.H.K. Singh, Assistant Professor	
3-	Department of Post-Harvest Technology	1. Dr.Sanjay Pathak, Professor (looking after activities of Head, PHT of Horticultural crops)
4-	Department of Agroforestry	1. Dr.O.P. Rao, Professor
		2. Dr.S.K. Verma, Assistant Professor
		3. Dr.Ashmita, Assistant Professor
	AICRP on Agroforestry	1.Dr.A.K. Singh Parihar, Associate Professor (retired on 31/01/19)
5-	Department of Floriculture and Landscape	1. Dr.A.K. Singh, Associate Professor
6-	Department of Medicinal and Aromatic Plants	1.Dr.Subodh Kumar Pandey, Assistant Professor
		2. Dr.D.P. Mishra, Assistant Professor

State Govt. has sanctioned 21 teaching posts for college and out of which 10 posts have been already advertised as per following table and these post will suffice the requirement of college after recruitment (Annexure I and II):

6.5.2.3. Credentials of the Faculty:

Name of Teacher	Highest Qualification	Related Work Experience in the field	Honour Award	Professional Licensure and Certification	Excellence in Teaching	Other demonstrated Competencies And achievements that affect teaching and student learning outcomes
1	2	3	4	5	6	7
Dr.P.K. Singh, Professor	Ph. D.	Vegetable Science	-	-	Tuber Crop	Tuber Crop
Dr.V.P. Pandey, Associate Professor	Ph. D.	Vegetable Science	10	-	Spices	Spices
Dr.Vijay Bahadur Singh, Professor	Ph. D.	Vegetable Science	-	-	Sponge gourd and bitter gourd	Sponge gourd and bitter gourd
Dr.C.N. Ram, Assistant Professor	Ph. D.	Vegetable Science	3	-	Vegetable crops	Vegetable crops
Dr.Raj Kumar Pathak, Assistant Professor	Ph. D.	Soil Science	-	-	Soil Science	Potato
Dr.G.C. Yadav, Assistant Professor	Ph. D.	Vegetable Science	7	-	Vegetable Breeding	Vegetable crops
Dr.D. Ram, Professor	Ph. D.	Horticulture	5	-	Fruit crops	Medicinal and aromatic crops
Dr.Bhagwandeem, Professor	Ph. D.		-	-	Fruit crops	Processing of Fruit Crops
Dr.Ashok Kumar, Associate Professor	Ph. D.	Floriculture	-	-	Floriculture and land scape	Floriculture and land scape
Dr.Sanjay Pathak, Professor	Ph. D.	Post Harvest Technology	3	-	Postharvest handling fruits and vegetables	Processing of Fruit Crops
Dr.Bhanu Pratap, Associate Professor	Ph. D.		7	-	Fruit crops	Fruit crops
Dr.H.K. Singh, Assistant Professor	Ph. D.	Pathology	-	-	Fruit Pathology	Fruit Pathology
Dr.O.P. Rao, Professor	Ph. D.	Land Scape	-	-	Landscape	Landscape
Dr.S.K. Verma, Assistant Professor	Ph. D.	Agro Forestry	-	-	Agro-forestry	Forestry
Dr.A.K. Singh Parihar, Professor	Ph. D.	Soil Science	-	-	Soil Science	Agroforestry
Dr.A.K. Singh, Associate Professor	Ph. D.	Fruit Science	1	-	Fruit crops	Fruit Crops
Dr.Subodh Kumar Pandey, Assistant Professor	Ph. D.	Pathology	-	-	Pathology	Medicinal & Aromatic Crops
Dr.D.P. Mishra, Assistant Professor	Ph. D.	Vegetable Science	-	-	Vegetable Crops	Vegetable Crops
Dr.Amar Pal Singh Assistant Horticulturist	Ph. D.	Potato crop	-	-	-	Potato Crop

6.5.2.4. Technical and Supporting Staff:

Department wise Ministerial/Technical Positions:

SI. No.	Name of Department	Ministerial/Technical in working
1-	Department of Vegetable Science	1. Amar Nath Singh Yadav
		2- Shri. Anil Kumar Singh, Jr. Assistant
		3- Shri. Ganga Prasad Singh, Lab Assistant
		4- Shri. Ram Sagar Verma, Lab Assistant
		5- Shri. Satya Narayan, Hort. Supervisor
	Vegetable Research Project	1- Shri. Pramod Kumar, Sr. Assistant 2. Shri. N.K. Srivastava, Senior Assistant
	AICRP Potato Research Project	1- Dr.Amar Pal Singh, Technical Assistant 2- Dr.Ratnesh Kumar Srivastava, Technical Assistant
	AICRP Spices	2- Shri. Raj Kumar Gupta, Technical Assistant
	AICRP Vegetable Crops	1- Shri. Shiv Saran, Fieldman
2-	Fruit Science Department	1- Dr.Angad Singh, Hort. Inspector
		2- Shri. Devesh Singh, Hort. Supervisor
		3- Shri. Rajesh Kumar Singh, Assistant Accountant
		4. Shri. Y.N. Mishra, Lab Assistant
		5. Km. Quaser Warsi, Lab Assistant
		6- Shri. Udai Raj, Jr. Clerk
	AICRP Arid Fruits	1- Shri. Nand Lal Sharma, S.T.A.
3-	Department of Post-Harvest Technology	Shri. Sudhir Kumar Singh, Lab Technician
4-	Department of Agroforestry	-
	AICRP on Agroforestry	1. Dr.R.J. Gupta, J.R.A. 2. Shri.Asutosh Singh, Fieldman
5-	Department of Floriculture and Landscape	-
	Production Processing of Fruits in Usar Waste Land	1. Dr.Akhilesh Kumar Singh, J.R.A. 2. Shri. T.P. Singh, Sr. Clerk
6-	Department of Medicinal and Aromatic Plants	1. Shri. T.P. Singh, Field Assistant
		2. Dr.C.M. Ojha, Technical Assistant
		3. Shri. B.D. Singh, Jr. Clerk
		4. Shri.. Shesh Mani Srivastava, Field Man
	Dean, CHF Office	1. Shri. Rajesh Singh, Asstt. Accountant (attached to Dean office)
		2. Shri. T.P. Singh, O.S. (attached to Dean Office)

6.5.3. Learning resources: Following learning resources are available

Flow Chart	35
Manuals	07
Video	43
Soft copy of lecture	20

- Course on Computer application is offered to UG students of Horticulture.- Students learn online and offline, bibliography search through network and CD ROM, server, electronic mail, internet, creation and update of database, statistical analysis of research data.
- Wi-Fi/ internet and Computer facility is available to almost all faculty members of the department to enrich and update their knowledge.
- We don't have separate computer lab for PG and Ph.D. students however they are free to use the facility in college or ARIS lab of university.
- Internet facility need to be improved for the fast surfing on Internet - Reliance jio has completed around 85 per cent work of Wi-Fi in the campus.
- We have requirement of at least three smart class rooms for effective use of ICT in theory and practical classes.- This is under process .

6.5.3.1 College Library:

Every Department has small library which contains 205 text books and 25 other books, the library run by the nominated teacher by head of department. The college does not have any central library. It is available at University Level. The major facilities are available in the Central Library of the university which is situated in between the College of Agriculture & Hostels.

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

Details of Lecture room & Laboratory:

SI. No.	Degree Programme	No. of Lecture Room	No. of Laboratory
1.	UG	4	06
	Vegetable Science		01
	Post Harvest Technology		02
	Medicinal & Aromatic Plants		01
	Agro Forestry		01
	Total	04	06
	2.	PG	
Fruit Science		01	01
Vegetable Science		02	01
Post Harvest Technology		01	01
Medicinal & Aromatic Plants		-	01
Agro Forestry		02	01

		06	05
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Instructional Farms:

SI. No.	Name of the Form(Agricultural Land)	Area (Acre)
1	Department of Horticulture (MES)	50 Acre
2	Department of Vegetable Science	32 Acre
3	Waste Land Development Centre-II, Govindpur Form	250 Acre
4	Waste Land Development Centre-I, Akma Form	750 Acre
5	Department of Agro Forestry	17 Acre



Interaction of Hon'ble Vice Chancellor with Scientist at MES Horticulture



Emasculation in Fenugreek by student at MES Vegetable Science

Facilities available at /different Farms:

S.No.	Item	Departments			
		Fruit Science	Vegetable Science	Medicinal & Aromatic Plants	Agro Forestry
1	Tractor	2	2	1	1
2	Power Tiller	1	-	-	1
3	Cultivator	2	2	1	1
4	Trolley	2	1	1	1
5	Disc Plough	2	-	-	-
6	Disc Harrow	2	2	1	-
7	Ridge Maker	-	-	-	-
8	Leveller	1	1	-	-
9	Rotavator	1	1	-	-
10	Pruning Knife	20	-	2	6
11	Budding Knife	25	-	-	

12	Secateurs	30	35	1	25
13	Kudal	20	30	15	30
14	Daranti	35	35	12	50
15	Hand hoe	14	-	3	-
16	Garden Hoe	14	-	-	-
17	Rose Kane	10	3	2	8
18	Foot Sprayer	3	4	1	1
19	Hand Sprayer	1	1	1	1
20	Power Sprayer	2	-	-	-
21	Tube well	3	2	-	1
22	Diesel Engine	1	1	-	1
23	Lawn Mover	2	-	-	-
24	Garden tools kit	1	-	-	-
25	Seed Germinator	1	2	1	1
26	Sprinkler	1	-	-	-
27	Packaging House	1	-	-	-
28	Office	1	1	1	1
29	Earthen Pot	400	82	50	20
30	Sword(Grass Cutter)	2	2	-	4
31	Iron Plate(Labelling)	-	300	-	50
32	Plastic Plate(Labelling)	-	350	-	-
33	Walking Cool Chamber	1	-	-	-
34	Pouch Packing Machine	1	1	-	-
35	Stitching Machine	-	1	-	-
36	Motorcycle	-	1	-	-
37	LPG Connection	-	1	-	-
38	Tractor Rake		1	-	-
39	Water Proofing Sheet	1	5	-	-
40	Store	1	3	1	2
41	Generator	1	2	-	-
42	Thresher	-	-	-	1
43	Weighting Balance	1	1	2	1
44	Green House	1	1	1	1
45	Poly House	1	1	1	1
46	Threshing Floor	1	1	1	1

Laboratory Facility:

Sl. No	Fruit Science	Post Harvest Technology	Agro Forestry	Vegetable Science	Medicinal & Aromatic Plants	Floriculture & Landscape
1	Digital spectro photometer	Pulper machine	Seed Germinator	Seed Germinator	Top Pan Balance (5kg)	Pump-2
2	Auto clave	Grater machine	BOD Incubator	BOD Incubator	Leaf Area Meter	Power Triller
3	Analytical balance	Fruit/ vegetable slicer machine	Refrigerators	Flame Photometer 121	Spectrophotometer	Foot spryer Spade
4	Chaino metric balance	Potato peeler	Deep Freezer	Digital Direct Reading,	Rotary Vacuum Pump	Pruning scissor-4

				Conductivity Metro-304		
5	Weight Box	Hand refractometer of different range	Computerized and one Manual Spectrophotometers	Laboratory Centrifuge (REMI)	Heating Mental	Lawn mower machine-6
6	Seed Storage cabinet	Crown carking machine	Flame Photometer	Scanning Mini (SPEC-SL-177)	Lux Meter Digital MAC	
7	Decimal Triple beam balance cap 3 kg	Basket press juicer	Leaf Area Meters	SEW India made Sunvic in U.K.	Godrej Refrigerator	
8	Hand Refractometer	Steam jacket kettle	pH Meter	Digital Water Plant	BOD Incubator	
9	Laboratory Heating plate	Atomic absorption spectroscopy(Not in working condition)	EC Meter	Tulaman-3kg	Autoclave Vertical	
10	Auto clave vertical	UV Spectrophotometer	Moister Meter	Keroy Balance	Microprocessor based Leaf Area Meter Spectro	
11	Hot air oven	Distillation plant	Auto Clave	Royal War Error Balance	Digital Microscope with LCD Fisher	
12	P.C. Based automatic absorption spectrophotometer double beam with compressor	Potato slicer	Soil Grinder	Triple Beam Balance-3kg		
13	Seed germ inator (double chamber)	Physical balance	Seed Separator	Heating Plate		
14	Quick freezer	Digital physical balance	Water Bath	Digital pH meter-335		
15	Distillation unit	Digital chemical balance	Five Computers including one Laptop with Canopy Analyzer	ATCO Weighing Scale		
16	Spirit Lamp	Hot air Oven	Haga Altimeter	Water Bath		
17	Sieve 20,40 mesh	pH meter	Stem bore	Flame Photometer -129		
18	B.O.D Incubator (low temp.)	Firmness tester	Bark Gauge	KRoy Analytical Single Pan Balance		
19	Plant growth chamber(MAC)	Pricking machine	Chainsaw	YARKO Incubator		
20	Soil Auger Screw type 50mm	Auto clave	Diameter Tape	Thermostat e Oven		
21	Screw gauge	Pasteurization	Glass House	Chinamatic		

	25mm,50mm	chamber		Balance
22	Venire callipers	Juice filling machine	Girthing Tape	
23	Refrigerator	P.P Cap sealing machine	Venire Calipers	
24	Media sterilization system autoclave	Ball mill	Hardening Chamber	
25	Water bath	Mixi/Grinder	Water Analyzer	
26	Rapid moisture meter 0-50% with weight	Refrigerator	Distillation Unit	
27	Shaking machine	Two Frozen Chamber		
28	Laboratory mill with 0.5HP meter			
29	Bacteriological Incubator, stainless steel with extra for air cooler fan			
31	Measuring tape 30mt.			
32	B.O.D. Incubator.			
33	B.O.D. Incubator automatic			
34	Seed storage cabinet - 30 trays			
35	Digital electronic top loading balance			
36	Poly pouch sealing machine			
37	U.V. radiation seed viewing cabinet			
38	Digital pH meter			
39	Digital photo electric calorimeter model			



Student measuring fruit firmness by firmness meter



PG student taking reading with UV Spectrophotometer

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

Under experiential learning Programme students select two areas for specialized training namely processing of fruits and vegetables for value addition and nursery production and management under ELP. These modules have been selected by all students from the beginning of B. Sc. (Hort.) Programme. Under processing of fruits and vegetables- student prepared 20-25 types of processed products in each year for marketing purpose and around 33 types of products for training and demonstration purposes.

Students procure raw material from the market and university farms. They taken out RTS/Nectar Bottle and some utensils as per requirement from the market on hire basis and they prepared all products in the Post harvest Lab of the college. Machinery and equipments maintained by the students from the profit of the products. Student sells out their products in Kisan Mela and on demand in the university premises. Total profit of the products are distributed among the students.

Under Rural Horticultural Work Experience programme students are getting eight weeks experiences on rural work (As per model no 2 of fourth dean's committee). In this programme one farmer is identified in the selected village for two students to perform intensive study under the guidance of coordinator and teachers. Students thoroughly study about present status along with social, cultural and farming related activities of farmer as well as village. For these purposes a Performa is provided to them. In the end of programme students organize a kisan gosthi in which they present status of village along with causes of poor yield/ income and their solutions and also discuss their social and cultural activities in the presence of Hon'ble Vice Chancellor/ Dean, Course Coordinator, teachers, farmers and Gram Pradhan. Every year students gift clonal planting material to their adopted farmers at the end of the gosthi. In 2017 students gifted self developed seedlings of papaya Cv. Pusa Nahna to adopted farmers through Hon'ble Vice Chancellor. RHWE programme organized during last five years are as follows:

Details of RHWE programme

SI. No.	Academic Session	Name of the village	Name of the district	No. of students participated		Total
				M	F	
1	2013-2014	Kotia	Faizabad	22	02	24
2	2014-2015	Tejwapur	Barabanki	58	03	61
3	2015-2016	Gasupur	Barabanki	51	01	52
4	2016-2017	Jalim Mallah ka purwa	Amethi	50	04	54



Farmers and School Students enjoying mango RTS at ELP stall



Interaction between students, farmers and teacher



Hon'ble Ex. V. C. distributing papaya seedlings (Cv. Pusa Nahna) to adopted farmers of RHWE village



ELP stall in Kisan Mela



Interaction with students, Scientists & Farmer at Tejawpur RAWE



Banana cultivar G-9 at RAWE village Tejwapur,



Indigenous Technology adopted by former for Protection against Nilgai (Blue Bull) at RAWE village Tejwapur, Barabnki

6.5.3.4. Curricula delivery Through IT (smart class rooms/Interactive board etc.)

- Recently one smart classroom has been developed and three rooms well equipped with LCD projector to deliver presentation for the students are available. One committee room is also maintained for seminar and lectures purposes with multimedia facility.
- We have requirement of at least three smart class rooms for effective use of ICT in theory and practical classes.- This is under process .

6.5.4. Student Development:

Horticulture society is working at college level which organizes extra mural lectures of subject experts and various types of curricular and extracurricular activities.

6.5.4.1. Student Intake and Attrition:

Student intake and attrition in the programme for last five years:

Department	Name of the Degree Programme	Actual student admitted in last five years					Attrition (%)				
		2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)	2013-14	2014-15	2015-16	2016-17	2017-18 (Current Year)
Horticulture	B. Sc. (Hort.) Hons.	61	60	40	40	40	14.76	8.34	7.5	10	2.5
Horticulture	M. Sc.	19	26	20	9	10	10.5	7.7	0.0	0.0	0.0
	Ph. D.	6	4	5	1	4	33.3	25	20	0.0	0.0
Vegetable Science	M. Sc.	15	24	20	9	10	6.7	4.2	20	0.0	0.0
	Ph. D.	6	6	5	5	4	16.7	33.3	0.0	0.0	0.0

6.5.4.2. Average Number of Students in Theory and Practical Classes:

SI. No.	Name of the Degree Programme	Batch of students in theory class		Batch of students in practical class	
		1	1 to 8 students	1	1 to 8 students
1	Ph. D.	1	1 to 8 students	1	1 to 8 students

2	M. Sc.	1	10 to 12 students	1	10 to 12 students
3	B. Sc.	1	37 to 42 students	1-3	18 to 22 in each batch

6.5.4.3. Admission Process:

Mode of admission:

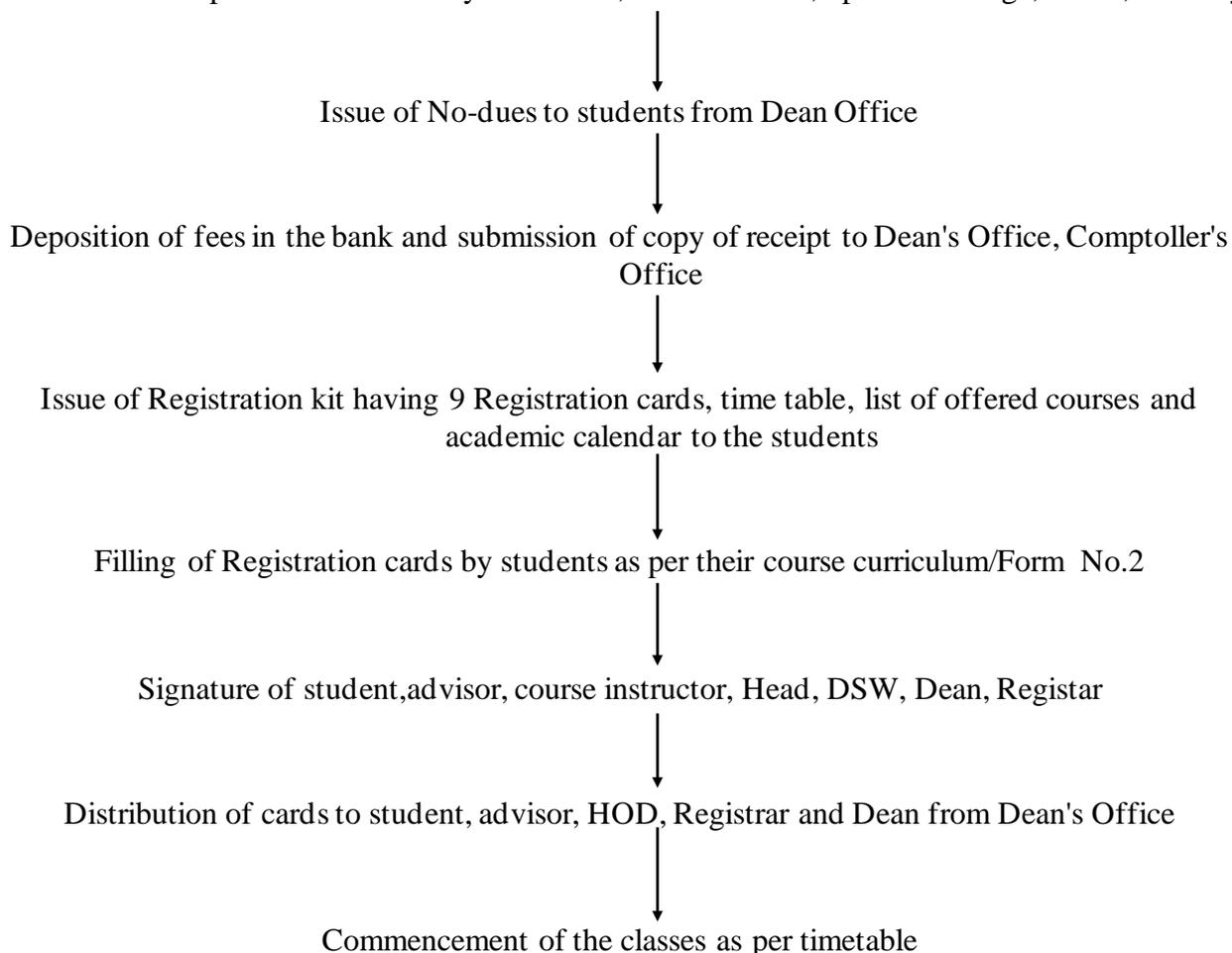
Admissions to undergraduate and postgraduate programmes are made strictly on the basis of merit of Entrance Examination (UPCATET) result-cum Reservation (as per the State/University rules) based on the aggregate marks obtained by the candidate in the Entrance Examination. The admission notification is notified by the Registrar in important newspapers, university Web site etc in due course of time. ICAR nominees are also admitted in all programmes for which ICAR conducts entrance examination separately.

Registration:

Registration of candidates selected for admission and also of continuing students shall be completed on schedule date (s) notified earlier by the Registrar for each semester(Annexure X).

Registration Process of the students in the new semester:

No-dues of their previous semester by all HOD's, hostel warden, Sports In charge, DSW, Library



Addition or withdrawal of courses

1. Application for addition or withdrawal of a course shall be made on a prescribed form to be obtained from the Office of the Registrar.
2. A course can be added up to a period of one week from the date of commencement of the course programme.
3. A course can be with drawn up to a period of four weeks from the date of commencement of the course programme. In such a case, he/she will not be permitted to add a fresh course.
4. Withdrawal of course shall not be permitted if, the student seeking such withdrawal is taking the minimum credit load prescribed for the semester.
5. A student may be permitted to drop all courses in a semester in exceptional circumstances like health. In such cases, the student will be awarded 'W' grade in the semester.



Honorable Vice Chancellor addressing to new comer students in orientation programme

6.5.4.4. Conduct of Practical and Hands on Training:

- UG as well as PG students do their practical as well as learning in the well equipped laboratories of the college in morning and evening lab classes from 7.30 to 9.30 am and 2:40 to 4:40 pm respectively.
- Live field experience learning is being held at MES of Horticulture, Vegetable and Agro-Forestry situated adjacent to the campus.
- Thesis research work of PG & Ph. D. students is conducted at MES of respective Department while lab works in the laboratory of the department and some other respective laboratories of the university.

6.5.4.5. Examination and Evaluation Process:

Examination and Evaluation

The examination system has been adopted as 50% internal and 50% external for undergraduate and postgraduate programmes. The grading system is out of 10 points.

- The norms for passing a subject are with minimum average grade point (AGP) of 5.00 and an overall grade point average (OGPA) of 5.50 for completing the undergraduate programme.
- The norms for passing a subject are with minimum average grade point (AGP) of 6.00 and an overall grade point average (OGPA) of 6.50 for completing the postgraduate degree programme.
- The examinations shall be of the following types:

i.) Mid-term Examination

ii) Practical including viva voce

iii) Final examination

- There shall be only one mid-term examination which is being held as the internal nearly in the middle of a semester and the date of holding this examination shall be announced by the Registrar in advance in the college calendar.
- During a semester, the instructor in-charge of a particular course shall take a number of different kinds of test in accordance with the regulations for examinations. The weightage given to these tests will be as follows:

Student Evaluation

Examination	UG		PG	Ph.D.
	4 th Dean's Committee	5 th Dean's Committee		
Internal (percentage)	30+20 (T+P)*	30+15+5 (T+P+A)	30+20 (T+P)	100 (70+20+10) (T+P+A)
External (Percentage)	50 (T)		50 (T)	--
Other (Specify percentage)	-		---	--

* T= Theory, P= Practical, A = Assignment

The University publications like college prospectus, course syllabus, academic rules & regulations etc., are supplied to each of the student at the time of his/her admission to various degree programmes. The annual report of the college containing teaching, research, extension, administrative and student welfare activities is prepared every year and sent to the University for compiling and inclusion in the Annual Report of the University. In addition, the college has brought out a printed brochure furnishing information about the college.

Use of Unfair Means

In case of complaint by the superintendent of the examination for using the unfair means with proof, the Dean of the college will punish him by awarding 'F' grade in all the courses of the semester. The following items are included in this category of unfair means:

- Possession of any books, notes, chits, or such other materials and also any notes or signs written on any part of the body, furniture or any other material pertaining to the subject matter of the examination in the examination hall during the examination hours will account to an attempt to use of unfair means.
- Talking, whispering or signaling in any form in the examination hall or outside the examination hall during the examination hours.
- Copying or allowing to copy.

- Any other activity, which may give undue advantage in the examination to any student.
- Any attempt to use any other means, which in the opinion of the superintendent of examination may be considered to be unfair.

Academic Probation

If at the end of semester, the GPA/OGPA of an undergraduate student falls below 5 out of 10, he shall be placed on Academic Probation (AP) for the duration of the semester following.

If at the end of a semester during which an undergraduate student has been on academic probation, the GPA and OGPA of the student for that semester again falls below 5 in case of undergraduate and 5.5 for postgraduates, he/she shall be advised to withdraw from the college and his/her guardian be informed. If, however, the student decides to continue in the college, he/she shall be placed on Continued Academic Probation (CAP) until action is taken under other regulations.

6.5.4.6. NCC/NSS/RVC Units: Not existed.

6.5.4.7. Language Laboratory:

Education Technical Cell is established in College of Agriculture which also caters UG student of college of Horticulture. In this cell computer assisted language programme and multimedia facilities are available.

6.5.4.8. Cultural Centre:

It is established at University level. Dr. Suman Maurya, Dean-Home Science is the president of cultural activities. University has three auditoriums which are being utilized for multicultural activities. At college level examination hall is being used for different cultural activities.

6.5.4.9. Personality Development:

Each and every student of B. Sc. (Hort.) offer a course named Communication skill and Personality Development of 2(1+1) credits. This course taught by teacher of Education Technical Cell.

Various distinguished Scientist/Academician/Alumni/Progressive farmers/ Entrepreneurs delivered lectures and motivated students. Few of them are enlisted in following table:

Date	Name	
10-11-2016	Dr.Major Singh	Principal scientist IIVR Varanasi
01/07/2017	Dr. Sudhakar Pandey	Principal scientist, IIVR, Varanasi
21-09-2017	Shri. Kashmiri Lal ji	Rastriya sangathan mantri swadeshi jagran manch
17-10-2017	Dr.Bijendra Singh	Dirrctor IIVR
29-11-2017	Dr.Arvind Kumar Verma	Spices cultivation
23-12-2017	Shri. Omkar Singh,	Progressive Farmer Village Mau Atwara, Amethi

23-12-2017	Shri. Satya Prakash Tiwari,	Progressive Farmer, Fatehpur
23-12-2017	Padamshri Shri Ram Saran Verma,	Progressive Farmer Barabanki
13-4-2018	Dr. Gopal Lal	Director NRCSS, Tabeeji, Ajmer
13-06-2018	Dr. P.L. Saroj	Director CIAH, Bikaner(Almuni)
15/06/2018	Dr. Sanjay Dwivedi	Director DRDO
22/09/2018	Dr. Phrendra Upadhayay	Director Agriculture, Jharkhand
08/07/2018	Dr. D. K. Singh	Professor, Department of Vegetable Science GBPUAT, Pantnagar
06/08/2018	Dr. Panjab Singh	Former DG, ICAR
06/08/2018	Dr. P.L. Gautam	Former VC, GBPUA&T, Pantnagar
03-09-2018	Dr. W.S. Dhillon	ADG Horticulture ICAR
03-09-2018	Dr. Manish Das	Principal Scientist
20-09-2018	Dr. B. S. Tomar	HOD Vegetable Science, IARI, New Delhi
16-10-2018	Prof R. K. Pathak	Ex Director CISH
22-10-2018	Mr. Jasmeet Singh Sandhu	IAS, Topper
22-10-2018	Dr. Artika Shukla	IAS Topper
24-01-2019	Dr. Shailendra Rajan	Director CISH, Rehmankhera lucknow
29-01-2019	Dr. Vishal Nath Pandey	Director, National Research Center on Litchi, Mushahari, Muzaffarpur
07-02-2019	Dr. Tarsem Singh Dhillon	Director Seed PAU Haryana
30/03/2019	Dr. Manoj Raghav	Professor, Department of Vegetable Science GBPUA&T, Pantnagar
24/04/2019	Dr. R. G. Upadhayay	Director Extension, UHF, Uttarakhand



Dr. P.L. Saroj Director, CIAH, Bikaner(Almuni) delivered a lecture to students

6.5.5. Physical facilities:

6.5.5.1. Hostels:

University has separate hostels for boys & girls. These hostels are managed by respective hostel warden under the guidance of DSW (Dean Student Welfares). Facilities like sufficient accommodation in hostel, sick room, mess facility, drinking water, indoor games, cleaning

of hostel premises are available in the hostels and emergency medical facility is available at university level. The list of different hostels in which UG and PG students are residing is as follows:

Name of Hostel	Resident students	Capacity/No of Beds
Anoma	B. Sc. (Hort.) First Year	102
Brahmaputra	B. Sc. (Hort.) Second and Third Year	120
Rapti	B. Sc. (Hort.) Fourth Year	102
Saryu and Yamuna	Post Graduate	112+104=216
Ganga	Ph.D.	108



Boys Hostels for UG Students

6.5.5.2. Examination hall:

One examination hall is available with the capacity of 240 sittings.



Mid- term examination in Examination hall

6.5.5.3. Sports and Recreation Facilities:

Following facilities are available at university level

- Indoor sportsfacilities: Badminton, Table Tennis, Carom Board and Gym available for the College students.

- Outdoor sports facilities: Cricket, Volleyball, Football, Basket Ball, Kabaddi, Lawn Tennis, Track events, throws, Long jump and High jump etc. One president is appointed for each game and one for the sports.

6.5.5.4. Auditorium:

College has no auditorium but university has four auditoriums which are used for different functions.

6.5.5.5. Exhibition Hall/Museum:

Yes, College has Exhibition/Museum in which different varieties of fruits, vegetables, spices, medicinal & aromatic plants, processed products and technology of different crops displayed live and through Posters.



Farmers interaction with scientist in College museum



ICAR Impact assessment team visited museum at College of Horticulture & Forestry

6.5.6. Research Facilities

6.5.6.1. Postgraduate Laboratories and Equipments: Equipments are illustrated in 6.5.3.2 under the head lab facility.

PG Laboratories	No. of Laboratory
1. Fruit Science	1
2. Vegetable Science	1
3. Post Harvest Technology	1
4. Medicinal & Aromatic Plants	1
5. Agro Forestry	1



B.Sc. Horticulture Final year students Preparing Mixed Pickle in PHT Lab



Preparation of Mango Squash by B.Sc. (Hort) IV year students

6.5.6.2. Research Contingency:

Contingency for student research- We have received research contingency for the entire department up to 2014-15. Since 2015 onwards we are not getting grant for student research from ICAR. However, student trials were conducted by contingency of the different research projects financed by different funding agencies and University fund. For smooth conduction of student ,research work additional contingent grant is required.Contingent grant received from different sources are as follows:

Details of Contingent grant (in Rs.)

Department	Year	ICAR	Non State Plan	University
Fruit Science	2013-14	339649	108624	112175
	2014-15	289116	132879	160393
	2015-16	387404	124466	142117
	2016-17	280726	1078998	88574
	2017-18	398842	1185199	128708
Vegetable Science	2013-14	575136	97100	184281
	2014-15	529855	119916	82220
	2015-16	594079	140722	330961
	2016-17	599134	309631	286437
	2017-18	662837	331488	277901
Post Harvest and Technology	2013-14	-	7870	-
	2014-15	-	-	-
	2015-16	-	-	-
	2016-17	-	-	-
	2017-18	-	-	-
Agro Forestry	2013-14	188180	147562	-
	2014-15	212294	151684	19280
	2015-16	294055	195200	1136
	2016-17	276766	285256	-
	2017-18	409121	303485	4200

6.5.7 Outcome/Output

6.5.7.1. Student Performance in National Examinations

SI. No.	Name of Student	Id. No.	Year	JRF/SRF/ARS/NET (ASRB)
1.	Awadhesh Kumar	A-2910/04/09/11	2013	NET
2.	Rashmi	A-7690/13	2013	NET
3.	Shivaraj Kumar Verma	A-5633/10	2013	NET, SRF

4.	RavindraSingh	HF-6323/11	2014	NET
5.	Deepak. Kr Gautam.	HF- 4293/08/12	2014	NET
6.	Mithilesh Kumar	HF-6317/11/13	2014	NET
7.	Adity kumar Gautam	HF- 7639/13	2014	NET
8.	Prem Shanker Yadav	A.4529/08/10	2014	NET
9.	Prakash Singh	A-5676/10	2014	NET
10.	Vinayendra Pratap Singh	HF-6346/11/13	2014	NET
11.	Adesh Kumar	HF-4972/09/11	2015	NET
12.	Jitendra Kumar Kushawa	HF-6334/11/13	2015	NET
13.	Ankit Pandey	HF-5922/11	2015	JRF
14.	Ravindra Dagi	HF-5962/11	2015	JRF
15.	Naveen Kumar Maurya	HF-5950/11	2015	JRF
16.	Abhay Vikram Singh	HF-5915/11	2015	JRF
17.	Kuldeep Pandey	HF-5943/11	2015	JRF
18.	Pradeep Vishkarma	HF-5953/11	2015	NON- JRF
19.	Sidharth Singh	HF-5972/11	2015	NON- JRF
20.	Devesh Pratap Singh	HF-6983/12/14	2015	NET
21.	Akshay Jain	HF-6979/12/14	2016	NET
22.	Avanish Kr. Singh	HF-7655/13	2016	NET
23.	Bhanu Pratap Kanaujiya	HF-8972/15	2016	NET
24.	Pushpen Kudramar	HFA-4699/09/13/15	2016	NET
25.	Rajesh Kumar	HFA-4705/09/13/16	2016	NET
26.	Pragya Nandan Byas	HFA-3922/07/12	2016	NET
27.	Pushpendra Rajput	HF-6612/12	2016	JRF
28.	Mukesh Kumar Maurya	HF-6603/12	2016	NON-JRF
29.	Narendra Nigwal	HF-6607/12	2016	NON JRF
30.	Som Prakash	HF-5299/10/14	2017	NET
31.	Devraj Singh	HF-8297/14	2017	NET
32.	Praveen Kr. Maurya	HF-4744/09/14	2017	NET
33.	Kuldeep Kumar Bhargav	HF-9611/16	2017	NET
34.	Mr. ManvendraSingh	HF-6335/11/14	2017	NET
35.	Anshuman Singh	HF-9580/16	2017	NET
36.	Ajeet Singh	Hf-7187/13	2017	JRF
37.	Rakesh kumar Pandey	HF-7222/13	2017	NON JRF
38.	Mahesh Pal	HF-7211/13	2017	NON JRF
39.	Rajan Sharma	HF-7219/13	2017	NON JRF
40.	Abhinav Kumar	HF-8967/15/17	2017	NET, GBPUAT, Pantnagar State Examination (3 Rank)
41.	Abhishek Kumar	HFA-5746/11/15	2017	NET
42.	Ms.Sunna Deepti	HF-8981/15	2017	NET
43.	Ms.Aishwarya Mishra	HF-8968/15	2017	NET
44.	Bhanu Pratap Kanaujiya	HF-8972/15	2018	NET
45.	Pradeep kumar	HF-6469/12/16	2018	NET
46.	Archit Singh	HF-8970/15	2018	NET
47.	Anupam Singh	HF-8969/15	2018	NET
48.	Manish Pandey	HF-7661 /13/15	2018	NET
49.	RohitMaurya	HF-8994/15	2018	NET
50.	Munish Kumar Verma	HF-8991/15	2018	NET
51.	Ajeet Singh	HF-8985/15	2018	NET
52.	Aman Kumar	HF-9587/16	2018	NET
53.	Manjeet Kumar	HF-10111/17	2018	NET

54.	Mahendra Kr. Yadav	HF-9590/16	2018	NET
55.	Ravi Pratap Singh	HF-9583/16	2018	NET
56.	Anuj Kumar	HF-6309/11	2018	NET, RGNF
57.	Jagveer Singh	HF-6314/11	2018	NET
58.	Dileep Kumar	HF-6970/12	2018	NET, RGNF
59.	Sampurna Nand Singh	HF-7880/14	2018	JRF
60.	Sudheer Yadav	HF-7887/14	2018	NON JRF
61.	Mukesh Baghel	HF-7861/14	2018	NON JRF
62.	Shubham Gupta	HF-7885/14	2018	NON JRF
63.	Ravi Pratap Singh	HF-9583/16	2018	SRF
64.	Sachi Gupta	HF-9584/16/18	2018	SRF
65.	Pankaj Kumar	HF-9582/16	2018	SRF

6.5.7.2. Students Placement Profile:

Placement Profile year wise

	2014	2015	2016	2017	2018
ARS	-	-	-	-	-
National Exam	5	3	5	-	1
State Exam	11	6	7	1	6
Industry	02	2	1	2	1

Sl. No.	Name of Student	Id. No.	Year	Post of placement	Organization
1.	Mr. Sandeep Kr. Gupta	HF- 6992/12	2014	TO	NHRDF
2.	Krishna Kumar Mishra	HF-6972/12	2014	SRF	ICAR-CISH, Lucknow
3.	Dinesh Kr. Yadav		2014	SMS	NDUAT, Kumarganj, Ayodhya
4.	Handra Prakash		2014	AFO	Dena Bank
5.	Ahmad Hasan	HF-6963/12	2014	Private Sector	
6.	Vinayendra Pratap Singh	HF-6346/11/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
7.	Abhishek Shukla	HF-7653/13	2014	Teaching	Private college
8.	Priyanker Pathak	HF-7663/13	2014	SRF	BAU, Bihar
9.	Jitendra Kumar Kushawa	HF-6334/11/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
10.	Rashmi	A-7690/13	2014	Teaching	Private College
11.	Mithilesh Kumar	HF-6317/11/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
12.	Adity kumar Gautam	HF- 7639/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
13.	Anish kumar Jaiswal	HF-7640/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
14.	Ms. Preeti Singh	HFA-4697/09/013	2014	Technical Asst.	Deptt. Of Agri. U.P.

15.	Bheem Raw Ambedkar	HF-7642/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
16.	Anita Chaudhary	HF-7645/13	2014	Research Fellow	
17.	Srikant	A- 3979/07/11/13	2014	Teaching	Private College
18.	Govind Vishvakarma	HF-6313/11/13	2014	Lecturer	Degree college, Dehradun
19.	Hemat Kumar		2014	AFO	Canara Bank
20.	Om Singh		2014	Asst. Prof.	RVSKV, Gwalior
21.	Shailendra Kr. Diwedi		2014	Asst. Prof.	RVSKV, Gwalior
22.	Pooja Sanchan		2014	AFO	Dena Bank
23.	Mithilesh Kumar	HF-6317/11/13	2014	Technical Asst.	Deptt. Of Agri. U.P.
24.	Amit Kumar	A-7688/13	2014	Field officer	Bank of India
25.	Akshay Jain	HF-6979/12/14	2015	Privet	Organic India Company Lucknow
26.	JaydevSeet	HF-8300/14	2015	Assistant Horti. Officer	Govt. Of Odisha
27.	AwadhBihari Singh	HF-8296/14	2015	Technical Asst.	Deptt. Of Agri. U.P.
28.	Devesh Pratap Singh	HF-6983/12/14	2015	TA	UP Govt.
29.	Dileep Kumar Tiwari	HF-6312/11/14	2015	Teacher	Private College
30.	Shivanand Panday	HF 8980/15	2015	SRF	ICAR-CISH, Lucknow
31.	Sugyani Sethi	HF-8292/14	2015	DHO	Orissa state department
32.	Amit Kumar Singh	HF-8274/14	2015	Section Officer, Horticulture	S.D.M.C.New Delhi
33.	Anand Kumar Dikshit	HF-8275/14	2015	Section Officer, Horticulture	S.D.M.C.New Delhi
34.	Dinesh Kumar	HF-5285/10/14	2015	Private Sector	
35.	Tanveer Alam	HF-5264/10/14	2015	Field officer	PNB
36.	Anil Kumar		2015	Asst. Prof.	SKUAST, Srinagar, Kashmir
37.	Munish Kumar Verma	HF-8991/15	2016	Teaching	Private College
38.	Ajeet Singh	HF-8985/15	2016	Young Professional	IIVR, Varanasi
39.	Yaswant Patel	HF-8983/15	2016	Senior Horticulture Inspector	UP Govt.
40.	Mr. Jaydev Seet		2016	Horticulture Officer	Govt. Of Odisha
41.	Rajesh Kumar	HFA- 4705/09/13/15	2016	Field officer	Union Bank
42.	Umesh Kumar	HF- 4752/09/13/15	2016	Field officer	Bank of Baroda
43.	Santosh Yadav		2016	SMS	RPCAU, Pusa, Bihar

44.	Rahul Kumar		2016	SMS	BAU, Sabour, Bihar
45.	Avinash Kr. Pandey		2016	Asst. Prof.	Navasari Agricultural University
46.	Shiv Shankar Verma		2016	Asst. Prof.	BBAU, Lucknow
47.	Sunil Kumar		2016	Asst. Prof.	BUAT, Banda, UP.
48.	S. S. Solankey		2016	Asst. Prof.	BAU, Sabour, Bihar
49.	Rajesh Kumar		2016	Asst. Prof.	CAU, Manipur
50.	Pradeep Kumar	HF-6469/12/16	2017	Private Sector	
51.	Amit kumar		2017	Private Sector	IFFCO
52.	Prgyan Shree Mishra		2017	Asst. Prof.	OUAT, Odisha
53.	Heeramani Shukla		2017	Cane Supervisor	U.P. Govt.
54.	Shailesh Kumar Gupta	HF-9885/16	2018	Private Sector	
55.	Vivek Pandey			Asst. Prof.	PAU, Ludhiana
56.	Rohit Kumar		2018	SMS	RPCAU, Bihar
57.	Mudit Mishra	HF-8976/15	2018	T-3	ICAR-ISCR, Chandigadh
58.	Prashasti Pandey		2018	Horticulture Officer	Govt. of M.P.
59.	Dheeraj Tiwari		2018	SMS	BAU, Sabour, Bihar
60.	RavindraSingh		2018	SMS	BAU, Sabour, Bihar
61.	Vimlesh Kumar		2018	Asst. Prof.	NDUAT, Kumarganj, Ayodhya



Hon'ble Vice Chancellor honoured to NET qualified students in the function of fresher's welcome



Hon'ble Vice Chancellor Honoured NET qualified Students (2018)

6.5.7.3. Awards/Recognitions/Certificates:

List of students

Name of Student	Name of the Award/Recognition/ Fellowship	Awarding Organization (Place/Country)	Year	International/National/Institutional/ Award/Fellowship /Recognition/
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				President/Member
Ravi Shanker Singh	Chancellor medal	NDUA&T, Kumarganj, Faizabad	2014	National
Rakesh Kumar Pandey	Chancellor medal	NDUA&T, Kumarganj, Faizabad	2014	National
Anand Kumar Singh	University medal	NDUA&T, Kumarganj, Faizabad	2014	National
Atul Yadav	First Rank in Zonal fruits, vegetables, and Flower show	At Company Garden Allahabad	2015	National
Atul Yadav	Second Rank in Zonal fruits, Vegetables and Flower show	At Company Garden Allahabad	2015	National
Atul Yadav	PG Research Fellow Award	Emerging Trends in Agriculture Sciences and its Impact on Sustainable Livelihood” 25-26 February 2017(SSSD Merrut UP)	2015	National
Atul Yadav	Best Oral Presentation	ECOASPECT, Warangal	2016	National
Atul Yadav	Best Poster Presentation	ECOASPECT, Warangal	2016	National
Atul Yadav	Young Professional Award	Promoting & Reinvigorating Agri-Horti, Technology Innovations, PRAGATI	2017	National
Atul Yadav	Excellence in Research Award	S&T SIRI Science & Tech Society for integrated rural improvement (S&T SIRI) PRAGATI	2017	National
Atul Yadav	Admission with Fellowship in Ph.D. Programme	Narendra Deva University of Agriculture & Technology, Faizabad	2017	National
Atul Yadav	Best Oral Presentation Certificate	PRAGATI, Dhanbad	2017	National
Abhinav Kumar	Best Thesis Award	Sci. and Tech. Society for Integrated rural	2017	National

		improvement (S &T, SIRI)		
Dheeraj Yadav	Best Thesis Award	Sci. and Tech. Society for Integrated rural improvement (S &T, SIRI)	2017	National
Dheeraj Yadav	Young Scientist Award	Sci. and Tech. Society for Integrated rural improvement (S &T, SIRI)	2017	National
Devraj Singh	Best Poster Presentation Award	National Seminar on “Seed Spices for Enhancing Farmers Prosperity and Livelihood Security”. 21-22 Jan, 2017. At NRCSS, Ajmer, Rajasthan.	2017	National
Devraj Singh	Young Professional Award	“International Conference on Food & Agriculture”. March 29-31, 2018 in Dhanbad, Jharkhand, India.	2018	National
Devraj Singh	Rapporteur Technical Session	“International Conference on Food & Agriculture”. March 29-31, 2018 in Dhanbad, Jharkhand, India.	2018	National
Sharvan Kumar	Young Professional Award	“International Conference on Food & Agriculture”. March 29-31, 2018 in Dhanbad, Jharkhand, India.	2018	National
Sharvan Kumar	Rapporteur Technical Session	“International Conference on Food & Agriculture”. March 29-31, 2018 in Dhanbad, Jharkhand, India.	2018	National
Sharvan Kumar	Appreciation award	3 rd National Youth Convention 2018 on “Transforming Agriculture for Agriprenureship and Employment Opportunities the	2018	National

		youth prospective 23-24 Feb. 2018. Organized by ICAR, AIASA and AAU, Jorhat, Assam.		
Sharvan Kumar	Gold Medal	M.Sc. Hort. Vegetable, IFTM Uni. Moradabad, U.P.	2018	National
Dheeraj Yadav	Certificate of appreciation award	All India agricultural students association (AIASA)	2018	National
Dheeraj Yadav	Young professional award	International conference on food and agriculture (ICFA)	2018	National
Dheeraj Yadav	Excellence in research award	Sci. and Tech. Society for Integrated rural improvement (S &T, SIRI)	2018	National
Dheeraj Yadav	Oral presentation award	International conference on food and agriculture (ICFA)	2018	National
Dheeraj Yadav	Best Research Scholar award	Agricultural Technology development society (ATDS)	2018	National
Dheeraj Yadav	Scientist associate award	Life Sciences Society	2018	National
Atul yadav	Scientist Associate Award	During the two days National Conference on Livelihood and food Security (LFS-2018)	2018	National
Atul yadav	Oral Presentation Award	ICFA, Dhanbad	2018	National
Atul yadav	Best Research Paper Award	DISHA, Ranchi	2018	National
Atul yadav	Best Research Scholar Award	ABAS, Jaipur	2018	National
Atul yadav	Second Position in the National Conference	ETAS, Meerut	2018	National
Atul yadav	1 st Position in the 2 nd international conference	ABAS, , Meerut	2018	National
Abinav Kumar	Excellence in Research Award	S&T SIRI Science & Tech Society for integrated rural improvement (S&T SIRI) PRAGATI	2018	National
Abinav Kumar	Oral Presentation	ICFA, Dhanbad	2018	National

	Award			
Abinav Kumar	Young Professional Award	“International Conference on Food & Agriculture”. March 29-31, 2018 in Dhanbad, Jharkhand, India.	2018	National
Abinav Kumar	Best Research Scholar award	Agricultural Technology development society (ATDS)	2018	National
Sneha Singh	Oral Presentation Award	ICFA, Dhanbad	2018	National
Sneha Singh	Best M.Sc.Thesis Award	Sci. and Tech. Society for Integrated rural improvement (S &T, SIRI)	2018	National
Harendra	Best Poster Presentation Award	Agricultural Technology development society (ATDS)	2018	National
Ravi Pratap Singh	Best Research Scholar Award	Agricultural Technology development society (ATDS)		National
Mritunjai rai	Gold & chancellor medal	NDUA&T, Kumarganj, Faizabad	2018	National
Amit kumar singh	Vice chancellor medal	NDUA&T, Kumarganj, Faizabad	2018	National
Kripashanker yadav	University medal	NDUA&T, Kumarganj, Faizabad	2018	National
Sachi Gupta	Rapporteur Technical Session	National conference on promoting & reinvigorating agri horti technological innovations 'PRAGATI-2018	2018	National
Sachi Gupta	Best Research Scholar award	National conference on promoting & reinvigorating agri horti technological innovations 'PRAGATI-2018	2018	National

List of scientist

Name of the Award/Recognition/Fellowship	Awarding Organization (Place/Country)	Year	International/National/Institutional/Award/Fellowship /Recognition/President/Member
Dr.G.C.Yadav			
Vice Chancellor Gold Medal in M.Sc. (Ag.)	NDUAT Kumarganj Faizabad	1996	Institutional
University Gold Medal in B. Sc. (Ag.)		1993	Institutional
First Prize for Stall in Farmers Fair and Vegetable Exhibition	Indian Institute of Vegetable Research, Varanasi	2015	National
Third Prize for Poster Presentation in National Seminar	Indian society of vegetable research Association for promotion of innovations in vegetable Indian society for pulses research and development	2016	National
Scientist of the Year	Society for Scientific and Social Development (SSSD), Meerut (UP). In National Conference on “Emerging Trends in Agricultural Societies and its impact on sustainable Livelihood” held at Sobhit Univ. Meerut UP	25-26 Feb. 2017	National
Young Scientist Award	Society for Agriculture Innovation and Development (SAID), Ranchi, Jharkhand, India. In Int. Conf. on “Advances in Agriculture and Applied Sciences for promoting Food security” held at Hotel Mirage Lord Inn, buttisputli, Kathmandu, Nepal	13-15 May, 2017	International
Young Teacher Award	Society for Agriculture Innovation and Development(SAID), Ranchi, Jharkhand, India. In Int. Conf. on “Advances in Agriculture and Applied Sciences for promoting Food security” held at Hotel Mirage Lord Inn,	13-15 May, 2017	International

	buttisputli, Kathmandu, Nepal		
Dr.V. P. Pandey			
Keynote Award	Session Endling conferences Plot 46 B, Dapoli Central, Near college of military Engineering, Pune, Maharashtra.	2018	International
Young Professional Award	Endling conferences Plot 46 B, Dapoli Central, Near college of military Engineering, Pune, Maharashtra.	2018	International
Young Professional Award	Endling conferences Plot 46 B, Dapoli Central, Near college of military Engineering, Pune, Maharashtra.	2018	International
ENR Fellow award		2018	International
Best poster presentation Award	NRCSS, Ajmer, Rajasthan	2017	National
Distinguished Scientist Award	Society of Biotechnology, SHIATS, Gwalior (M.P.)	2016	International
Distinguished Scientist Award	JMD Education Society, Etah	2016	National
Distinguished Scientist Award	SSDAT, 85-Phool Bagh Colony, Meerut (UP)	2015	National
Senior Scientist Award	VigyanParishadPrayag-ShakhaChitrakoot	2012-13	National
Scientist of the year Award 2012	The academy of Environment Biology, India and ND University of Agriculture & Technology, Kumarganj, Faizabad	2013	National
Dr.C. N. Ram			
Young Scientist award	Award presented by Hon'ble Vice-Chancellor in Alumni Meet and Seminar on Emerging Pollutants and pathogens due to climatic change : challenges and risk reaction” on 08-09 March, 2013 jointly organized by The Academy of Environmental Biology, India and NDUAT,	2013	Institutional

	Kumarganj, Faizabad.		
Awarded of first position	Awarded by Hon'ble Vice-Chancellor in state level Kisan Mela (Rabi) agriculture exhibition - to the seed sale counter, NDUAT, Faizabad.	2013	State Level
As a Hostel Warden Ganga Award for Swachhta Abhiyan on third position	Awarded by Hon'ble Vice-Chancellor in State level Kisan Mela during 5-6 April 2018 NDUAT, Kumarganj, Faizabad.	2018	Institutional
Dr. Sanjay Pathak			
Lifetime Achievement	Alumni Association of NDUAT, Faizabad	2013	National
Best Performance Award	First UP Agriculture Science Congress held at NDUAT, Faizabad	2013	State
Eminent Scientist Day	World Environment day by Dr. Ram Awatar Shiksha Samiti at BBAU, Lucknow	2018	National
Dr. D. Ram			
Scientist of year 2012-	National Seminar (Emerging pollutants and pathogens due to climate change: Challenges and Risk reduction) at 08-09 March,	2013.	National
Young scientist 2013-	National Seminar (Frontier Agriculture 2013) at 21 April, N.D. University of Agriculture & Technology, Kumarganj, Faizabad. (U.P.)	2013.	National
Scientist of year 2012-	National Seminar (Emerging pollutants and pathogens due to climate change: Challenges and Risk reduction) at 08-09 March, 2013.	2013	National
Young scientist 2013-	National Seminar (Frontier Agriculture 2013) at 21 April, 2013. N.D. University of Agriculture & Technology, Kumarganj, Faizabad. (U.P.)	2013	National
Best Performance Award	U.P. Agricultural Science Congress 17-19 August, 2013. N.D. University of Agriculture & Technology,	2013	National

	Kumarganj, Faizabad. (U.P.).		
Young Professional Award-	International Conference on Food and Agriculture held during March 29-31, 2018 in Dhanbad	2018	International
Oral Presentation Award-ICFA	International Conference on Food and Agriculture held during March 29-31, 2018 in Dhanbad.	2018	International
Dr. A K Singh.	SAP Fellowship Award-2015 by The Executive Council of the Society of Agricultural Professionals for contribution in the field of Floriculture and Landscaping	2015	National
Dr.Bhanu Pratap			
Excellence in Teaching Award	National Conference on EPRAAS at during 8-9 Feb.2014 C.C.S.U. Meerut. Outstanding SSDAT	2014	National
Excellence in Teaching Award	International seminar on Indigenous Technologies for Sustainable Agriculture and Better Tomorrow during 9-10 Jan. 2016 organized by SVWS, Lucknow	2016	International
SERS Excellence in Teaching Award	Innovative Approaches in Applied Sciences and Technologies in 2 International Conference during 19-23 June 2017 at Nanyang Technological University Singapore	2017	International
Excellence in Teaching Award	National Conference on Doubling farmers income for sustainable and harmonious agriculture, DISHA-2017 during 9-10 Sep.2017 at Sri Venkateswara University, Tirupati	2017	National
Distinguished Scientific Award	International Conference on AAPS during international conference advances in agriculture and applied sciences for promoting food security at Battishputli	2017	International

	Kathmandu Nepal 13-15 May 2017		
	Brahmputra Hostel has been awarded II prize for Swachhta Abhiyan-2018 received as warden NDUAT., Kumarganj Faizabad	2018	University
	Ganga Hostel has been awarded III prize for Swachhta Abhiyan-2018 received as warden NDUAT., Kumarganj Faizabad	2018	University



Scientist Receiving Award in Vegetable Exhibition at IIVR, Varanasi



Honorable C.M., Social Health Minister (U.P.) and Vice Chancellor visited university stall at kisan mela village Emelia Kodar, Balrampur



Scientist interacting with Honorable CM Uttar Pradesh on the occasion of Mango Festival 2018



Scientist receiving Award certificate by Honorable Governor of Uttar Pradesh in Mango Festival 2018

6.5.7.4. Employability:

The students admitted in this university are generally from poor farmer's background. They face pressure on their study because of financial crunch and they want to get early job opportunity. In this context the teacher and scientist of this college encourage to the student and by creating very congenial environment so that they can

discuss with teachers freely. Teachers advise to students and aware them about the different competitive exams like JRF, SRF, ASRB recruitments, university job, competitive exams of state and central government, bank jobs, private sector jobs, Self employment etc. Teachers provide literatures and solve their problems related to educational and psychological needs during preparation of competitive examinations.

In our college students are getting more than six month experiences on fruit and vegetable processing and on nursery management under ELP and industrial training. Under processing of fruits and vegetables- student prepared 20-25 types of processed products in each year for marketing purpose and around 33 types of products for training and demonstration purposes. Students procure raw material from the market and university farms. They prepare all products in the Post harvest Lab of the college. Students sell out their products in Kisan Mela and on demand in the university premises. They distribute total profit of the products among themselves. Similarly they practice in nursery production and management. In whole process students prepare work plan with an end to end approach i.e. from purchasing of input to producing a product and marketing. This programme develops confidence among the students for self employment.

6.5.8. SSR of the College must have the SSR of all its degree programmes (following section 6.4), then the report of the Colleges shall be considered.

6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr.V. P. Pandey hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the college and degree awarding university.

Signature of the Dean of the college with
Date & Seal

Annexure-I

COLLEGE OF HORTICULTURE AND FORESTRY
Narendra Deva University of Agriculture and Technology, Kumarganj, Ayodhya-224 229

1200
2/3/19

Details of the Post with Relevant/Concern Degree/Specialization

S.N.	Subject/Department	Name of the Posts	No. of Posts	Relevant/Concern degree/Specialization
1.	Plant Protection	Associate Professor	01	Master's and Ph. D. degree in Agricultural Entomology/ Entomology
2.	Floriculture and Landscape Architecture	Assistant Professor	01	Master's degree in Agriculture/Horticulture with specialization in Floriculture/ Floriculture and Landscape
3.	Post Harvest Technology	Assistant Professor	01	Master's degree in Agriculture /Horticulture with specialization in Post Harvest Technology/ Food Technology
4.	Basic Sciences	Assistant Professor	02	Master's degree in Agriculture with specialization in Agricultural Biochemistry/ Biochemistry/Biotechnology/ Agricultural Statistics/ Statistics
5.	Natural Resource Management	Assistant Professor	03	Master's degree in Agriculture with specialization in Genetics and Plant Breeding/Plant Breeding/Genetics/ Agronomy/Soil Science/Soil Science and Agricultural Chemistry
6.	Social Sciences	Assistant Professor	02	Master's degree in Agriculture with specialization in Agricultural Extension/ Extension/Agricultural Economics
Total			10	

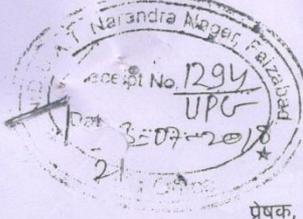

(V.P. Pandey)
Head, Vegetable Science


(A.K. Singh)
Head, Fruit Science


(Ashok Kumar)
Head, F.L.S.


Dean, C.H.F.

Annexure-II



संख्या- 31 /2018/1466/67-कृशिअ-18-200(14)/17

प्रेषक,

बी०राम शास्त्री,
विशेष सचिव,
उत्तर प्रदेश शासन।

DAM

सेवा में,

कुलपति,
कृषि एवं प्रौद्योगिक विश्वविद्यालय,
फैजाबाद ।

Vice Chancellor

कृषि शिक्षा एवं अनुसंधान अनुभाग

लखनऊ: दिनांक 11 जुलाई, 2018

विषय:- कृषि एवं प्रौद्योगिक विश्वविद्यालय, फैजाबाद के अन्तर्गत संचालित गृह विज्ञान, उद्यान एवं वानिकी, मत्स्य महाविद्यालय तथा कृषि अभियांत्रिकी महाविद्यालय, अम्बेडकर नगर के संचालन हेतु आवश्यक पदों के सृजन के संबंध में ।

महोदय,

उपर्युक्त विषयक कुलसचिव, कृषि एवं प्रौद्योगिक विश्वविद्यालय, फैजाबाद के पत्र सं०-एनडीयूएटी 07/स्था०1/2017/387, दिनांक 24.05.2017 एवं पत्र सं०-एनडीयूएटी 07/स्था०1 /2018/644, दिनांक 19.06.2018 के संदर्भ में मुझे यह कहने का निदेश हुआ है कि श्री राज्यपाल महोदय कृषि एवं प्रौद्योगिक विश्वविद्यालय, फैजाबाद के अन्तर्गत स्थापित गृह विज्ञान, उद्यान एवं वानिकी, मत्स्य महाविद्यालय तथा कृषि अभियांत्रिकी महाविद्यालय, अम्बेडकर नगर के संचालन हेतु निम्नानुसार शैक्षणिक/प्रशासनिक श्रेणी के 85 अस्थायी पदों को शासनादेश जारी होने की तिथि से दिनांक 28.02.2019 तक यदि इसके पूर्व इन्हें समाप्त न कर दिया जाये, सृजित करने की सहर्ष स्वीकृति निम्नलिखित शर्तों के अधीन प्रदान करते हैं :-

गृह विज्ञान महाविद्यालय

क्र.सं.	पदनाम	वेतनमान / ग्रेड पे	पदों की संख्या
1	प्राध्यापक	37400-67000 / 10000	03
2	सह-प्राध्यापक	37400-67000 / 9000	06
3	सहायक प्राध्यापक	15600-39100 / 6000	12
	योग		21

- 1- यह शासनादेश इलेक्ट्रॉनिकली जारी किया गया है, अतः इस पर हस्ताक्षर की आवश्यकता नहीं है ।
- 2- इस शासनादेश की प्रमाणिकता वेब साइट <http://shasanadesh.up.nic.in> से सत्यापित की जा सकती है ।

Annexure-II

-02-

इद्यान एवं वानिकी महाविद्यालय

क्र.सं.	पदनाम	वेतनमान / ग्रेड पे	पदों की संख्या
1	प्राध्यापक	37400-67000 / 10000	03
2	सह-प्राध्यापक	37400-67000 / 9000	03
3	सहायक प्राध्यापक	15600-39100 / 6000	14
4	डीन	37400-67000 / 10000	01
योग			21

मत्स्य महाविद्यालय

क्र.सं.	पदनाम	वेतनमान / ग्रेड पे	पदों की संख्या
1	प्राध्यापक	37400-67000 / 10000	03
2	सह-प्राध्यापक	37400-67000 / 9000	06
3	सहायक प्राध्यापक	15600-39100 / 6000	11
4	डीन	37400-67000 / 10000	01
योग			21

कृषि अभियांत्रिकी महाविद्यालय, अम्बेडकर नगर

क्र.सं.	पदनाम	वेतनमान / ग्रेड पे	पदों की संख्या
1	प्राध्यापक	37400-67000 / 10000	03
2	सह-प्राध्यापक	37400-67000 / 9000	06
3	सहायक प्राध्यापक	15600-39100 / 6000	12
4	डीन	37400-67000 / 10000	01
योग			22

- 2- उपर्युक्त तालिका में उल्लिखित डीन के अस्थायी पदों को इस शर्त के साथ सृजित किया जाता है कि डीन के पदों पर भर्ती की कार्यवाही नहीं की जायेगी, बल्कि डीन पद का उत्तरदायित्व सम्बन्धित संकाय/विभाग के वरिष्ठ प्राध्यापक द्वारा निर्वहन किया जायेगा।
- 3- उक्त पदों पर भर्ती आई.सी.ए.आर./ यू.जी.सी. द्वारा निर्धारित शैक्षिक अर्हता, मानक, शर्तों एवं प्रक्रिया का अनुपालन सुनिश्चित करते हुए की जायेगी।
- 4- पदों पर भर्ती चरणबद्ध रूप से 50, 25 तथा 25 प्रतिशत के अनुपात में की जायेगी।
- 5- उपरोक्त सृजित पदों के सापेक्ष तैनाती शैक्षणिक सत्र प्रारम्भ होने पर ही की जायेगी।
- 6- सम्बन्धित पदों पर भर्ती हेतु राज्य सरकार द्वारा निर्धारित आरक्षण नियमों का अनुपालन सुनिश्चित किया जायेगा।
- 7- उपरोक्त पदों पर तैनात होने वाले कर्मिकों को समय-समय पर शासन द्वारा स्वीकृत महंगाई भत्ता, अन्य भत्ते आदि अनुमन्य होंगे।

1- यह शासनादेश इलेक्ट्रानिकली जारी किया गया है, अतः इस पर हस्ताक्षर की आवश्यकता नहीं है।
 2- इस शासनादेश की प्रमाणिकता वेब साइट <http://shasanadesh.up.nic.in> से सत्यापित की जा सकती है।

Annexure-II

-03-

- 8- उपरोक्त पदों के सृजन के फलस्वरूप होने वाला व्यय वित्तीय वर्ष 2018-19 के आय-व्यय के अनुदान संख्या-11 के लेखाशीर्षक- "2415-कृषि अनुसंधान तथा शिक्षा-80-सामान्य-120-अन्य संस्थाओं को सहायता" के अन्तर्गत सुसंगत मदों के नामे डाला जायेगा।
- 9- यह आदेश वित्त विभाग के अशासकीय सं0-ई-1-414/दस-18, दिनांक 06 जुलाई, 2018 में प्राप्त उनकी सहमति से जारी किये जा रहे हैं।

भवदीय,


10/07/18
(बी० राम शास्त्री)
विशेष सचिव।

सं०-31/2018/1466(1)/67-कृषिअ-18, तद्विनांक।

प्रतिलिपि: निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

- 1) महालेखाकार, लेखा प्रथम/आडिट प्रथम, 30प्र०, इलाहाबाद।
- 2) प्रमुख सचिव, महामहिम श्री राज्यपाल, 30प्र०, लखनऊ ।
- 3) सचिव, भारतीय कृषि अनुसंधान परिषद, नई दिल्ली / विश्वविद्यालय अनुदान आयोग, भारत सरकार, नई दिल्ली।
- 4) डाइरेक्टर (डी०ए०आर०आई०) कृषि मंत्रालय, कृषि शिक्षा एवं अनुसंधान विभाग, कृषि भवन, नई दिल्ली।
- 5) उप महानिदेशक, (प्रशिक्षण) भारतीय कृषि अनुसंधान परिषद, नई दिल्ली।
- 6) निदेशक, स्थानीय निधि लेखा परीक्षा विभाग, 30प्र०, इलाहाबाद।
- 7) महानिदेशक, कृषि शिक्षा एवं अनुसंधान परिषद, लखनऊ ।
- 8) कोषाधिकारी, फैजाबाद ।
- 9) वित्त नियंत्रक, कृषि एवं प्रायोगिक विश्वविद्यालय, फैजाबाद ।
- 10) मण्डलायुक्त / जिलाधिकारी, फैजाबाद ।
- 11) वित्त (व्यय-नियंत्रण) अनुभाग-1 ।
- 12) वित्त (वेतन आयोग) अनुभाग-1/2 ।
- 13) गार्ड फाइल ।

आज्ञा से,


(राधेश्याम)
अनु सचिव।

-
- 1- यह शासनादेश इलेक्ट्रानिकली जारी किया गया है, अतः इस पर हस्ताक्षर की आवश्यकता नहीं है ।
 - 2- इस शासनादेश की प्रमाणिकता वेब साइट <http://shasanadesh.up.nic.in> से सत्यापित की जा सकती है ।

Annexure-III

S.No	Name Organisation / Firm	Address	Comments
01.	Government Inter College Maharajganj Sultanpur → Anshuman - Principal Mob. No. - 9452919491	Tour educational of class 9th No. of students 49 and no. of teachers is 07.	Our College educational tour visited today 15.12.2017. Dr. Sanjay Pathak taught students valuable things about Jam, Telly and other many fruits items. Our pleasure that we visited here and gets many meaningful and valuable knowledge. Many thanks to Dr. Sanjay pathak Sir, other staff. Today at 12:30 PM. This tour energized curiosity about agri culture and its
02.	Buddhatas, M.A., Lecturer of Education		
03.	Bholaop Kumar Baidikis, Lecturer Chemistry		
04.	Shamul Pratap Singh, Lecturer Geography		
05.	Bali Ram, Assisted Teacher Hindi.		

आज दि० 26.10.18 को NDUAT के Horticulture Dept. में Centre of Tech and Entrepreneurship Development Jaydihpur, Amethi में चल रहे ACABC IIIrd Batch के 35 Participants की विसिट कार्ड गई। जिसमें Dr. Sanjay Pathak Sir को Participants को शुभवत्ता परक जानकारी प्रदान की गई एवं Post Harvest काद्यारिक उद्योग के बारे में शैचक व तबपूनी जानकारी दी गई। मैं A.K. Srivastava, वही Dept. को Dr. Sanjay Pathak Sir को शौकिक धन्यवाद देता हूँ।

@A. Srivastava

Annexure-III

S.N.	Name of organization / Farmer	Address	Comments
Date: 20/12/17	Gyandeep Inter college Kishna Nagar Faizabad Near: Achhosa / Student	Achhosa, Faizabad	Today we visited at N.D. University at after noon in the Dept. of Horticulture → There I visited in the museum where I saw the different varieties of plants and its products. We thanks the coordinator for it. There we know the procedure of preparation of pickles and mango pickle.
	Govt. Girls Inter College, Rudauli, Faizabad	Govt. Girl Inter College Rudauli, Faizabad	Today we have visited at N.D. Univ. at afternoon in the dept. Technology. Kumarganj of Horticulture & their museum. that was amazing. We thanks to Dean, Sr. & H.O.D. Sr.

दिसम्बर / December 2015

30 बुधवार
Wednesday

Week 01

नाम	पता	फोन नं.
कुन्ज बिहारी लाल शर्मा	ग्राम कुन्जिया बिहारी लाल शर्मा	9454940866 7800042966
नचराज सोन	ग्राम व मोर - ताला प्रतापगढ़	9839594982
वीरम मोदी	ग्राम नोस्ट ताला प्रतापगढ़	9158368766
अश्विन लाल	ग्राम व मोर ताला प्रतापगढ़	9792849379
राज कुमार लरोज	ग्राम व मोर - ताला - प्रतापगढ़	8874369885
अरवि	ग्राम व मोर ताला प्रतापगढ़	7379604320
शमशेर शर्मा	ग्राम व मोर ताला प्रतापगढ़	96218889
अश्विन लाल शर्मा	ग्राम व मोर - ताला प्रतापगढ़	9125541000-93
दिलीप चन्द्र शर्मा	ग्राम व मोर ताला प्रतापगढ़	948185449

31 गुरुवार
Thursday

Week 01

मानव सिपाही	ग्राम तरदाह पोस्ट प्रतापगढ़	9415856540
विजय कुमार मिश्र	ग्राम सरक जीतपुर पोस्ट प्रतापगढ़	7339892348
सीता रमण कश्यप	ग्राम तरदाह पोस्ट प्रतापगढ़	9554668173
अतीश (ताला)	ग्राम ताला पोस्ट प्रतापगढ़	9052207644
रंजनीत सिंह	ग्राम पोस्ट ताला प्रतापगढ़	9248965270
शमशेर प्रताप सिंह	ग्राम व पोस्ट जीतपुर प्रतापगढ़	9918717373
शमशेर महेश	ग्राम शमशेर प्रतापगढ़	723690112

01 शुक्रवार
Friday

Week 01

नाम	पता	फोन नं.
विमल शर्मा	ग्राम व पोस्ट प्रतापगढ़, near Azamgarh railway station	9889453170
शमशेर शर्मा	ग्राम मोर शिवपुर, Musamir Khan Dist. → Amethi	9839330661
अश्विन शर्मा	ग्राम अमरता, near Amarnagar Market, Dist. Faizabad	9838600071

28/11/2018

02 शनिवार
Saturday

Week 01

दुष्यंत	ग्राम प्रेमेश शर्मा मुसाफिर खाना (मेरठ)	9984006060
राजेश त्यागी	ग्राम लखाना रासना, जिला मेरठ	9759762116

03 रविवार
Sunday

Annexure-III

विश्वविद्यालय - मैं विश्वविद्यालय में पढ़ाई का अच्छा वातावरण रहता है और मैं पर पढ़ाई के लिए लाइब्रेरी की भी व्यवस्था है, जिससे पढ़ाई करने में अच्छा लगता है। और मैं पर हमारे विभिन्न-न-पुस्तिकाओं का विनाश हुआ। विश्वविद्यालय निरन्तर विकास का और अग्रसर है।

महाविद्यालय - मैं विद्यालय में पढ़ाई का स्तर काफी अच्छा है, मैं पर दोनो सभी सुकामन दोनो पढ़न-पाठन पर पूर्णरूप से ध्यान देते हैं, दोनो महाविद्यालय में स्वामी लक्षण में पढ़ने के लिए अधिकता गैरद्वय द्वारा रोक अनिरीकत लाइब्रेरी का व्यवस्था करि गई है।

अध्ययन - हमारे महाविद्यालय के अध्यापक का है के हणर जिक्र उक्त रहता है। दोनो अध्यापक एक समय-समय पर उपस्थित होकर समय पर कक्षा-चर्चा करते हैं तथा काम पर भी प्रतिक्रिया के सुझाव मांगते हैं। स्वामी लक्षण में प्रतिक्रिया के मांग की निरन्तर दोनो अध्यापक एक द्वारा लक्षण के-चर्चा करती है। दोनो तपण के पढ़ाई के अभाव छा लक्षण के D.R.F को प्रभावित करि देता है।

स्वाकषण - दोनो स्वाकषण अपना काम लक्षण-लक्षण से करि रहे हैं, जिससे हम लक्षण का कार्य ठीक समय से हो पाता है।

प्रार्थी
Puneet Mishra
B.Sc (Hort.) 1st year

प्रतिक्रिया

विश्वविद्यालय - हमारे विश्वविद्यालय का वातावरण अध्यापन के लिए उत्तम है, यहाँ पर छात्रों की प्रतिभाओं का निखारने का पूर्ण प्रोत्साहन दिया जाता है, यहाँ पर हमें सभी दोनो 'learning by doing' सीखते हैं, और विश्वविद्यालय निरन्तर नई-नई तकनीकों का केन्द्र बिन्दु है और काफी कुछ नया सीखने को मिल रहा है।

महाविद्यालय - मैं महाविद्यालय में अध्यापन का वातावरण शान्त है, यहाँ पर कक्षाएँ समय पर चलती हैं, प्रयोगशाला में भी शौक करि जाते हैं, अतिरिक्त कक्षाओं के अभाव हमारे महाविद्यालय के अध्यापक द्वारा हम पुस्तकालय का प्रबंध करि गये हैं जिससे हम अध्यापन करि रहे हैं तथा हमारे महाविद्यालय के अध्यापक के द्वारा विभिन्न-विभिन्न 'Seminar' का आयोजन होता है, जिससे हमें काफी ज्ञान प्राप्त होता है। यहाँ पर साफ-सफाई आदि का भी प्रबंध हो रहा है।

अध्यापक - हमारे अध्यापकों का अतिरिक्त अभिमान-जैसा व्यवहार हमारे प्रति करि रहे हैं, और वे काफी नई कि-ny lab को और नई तकनीकों को पढ़ाते हैं, और हमारे विभिन्न समस्याओं का समाधान हमें देते हैं। तथा विभिन्न-विभिन्न परीक्षाओं की भी तैयारी कराते हैं।

स्टाफ - हमारे यहाँ का स्टाफ काफी सस्से अच्छा है और वो हमारे कार्यों को सुगमता से हल कर देते हैं।

नाम- शिवम मिश्रा
कक्षा- B.Sc (Hort.) III year

My Self - Atul Kumar
ID No- HF-7838114
Class- B.Sc (Hort.) 4th year Pass out from
Narendra deva University of Agriculture and Technology
Kumarganj Faizabad. 224229.

I spend four important years in my life I taken admission in B.Sc (hort) 2014 that was very good for me after I that I spend four year in this university. this is also one of the good university among all Agriculture university and my department are also good. Here Professors/Teacher, Staff are also good. They are always help me about study matter, guideline, and motivations. and my Hostel warden are also good. they are always help me. so this is very good for me.

Thanky

Name - Atulkumar
ID No - HF-7838114

My Self Shubham Gangwar HF 7889114
Pass out from NDUAT, Kumarganj (Faizabad) 2018. I was spent 4 Unful Year. They are very memorial days, I will could not forget these years.

I was come in 2014 at B.Sc (Hort) at time I am innocent here I got Parents like teacher they give me education not only by books they will give human education like "How to live" & "Why to live" & many other things we should take practical knowledge. Here Staff are very good they are always help to me in many problem. But in this university faculty are best. when student started are come here he will goes to year back from order almath. But here are very green nature, this is very good for health.

At a glance these 4 year are my life's very imp time.

Shubham Gangwar
HF 7889114
9411917053
Shubham0937@gmail.com

Annexure-III

My Self Rohit Kumar Bharti I.D. No HF-7870114
 pass out from N.D.U.A.T. Kumarganj Faizabad.

I spend four year in N.D.U.A.T. Kumarganj Faizabad. These moment was very important in my life. I was come in 2014 at B.Sc.(Hort.) 1st year that very important for my future. I spend four year in This University will be always remember in our life. In my university department of Horticulture and forestry is very beautiful and all profs are good nature and give more information and guide for me to my better future and life. and This four year time is very important in my hole life

Rohit Kumar

Rohit Kumar Bharti
 I.D. No. HF-7870114
 M.No. 9756766835
 rohit10196@gmail.com



... N.D.U.A.T. Kumarganj Faizabad 2012. 9 ans spend
 will could not forget these year
 was come in 2014 at B.Sc. (Hort.) 1st year from
 recent year I got friend like teacher they
 we are education not only by books.
 They was give more education
 like how to drive why to drive

It is glow. 4 year are my life
 very imp. time

Bhambhaniwastha
 ID No. HF-7870114
 No. 8566501598
 Bhambhaniwastha010@gmail.com

FEED BACK

I was fortunate to get admission in M. Sc. (Ag.) Horticulture (Vegetable science) when I came in the campus particularly the class of master degree. My standard was not up to the mark cut due to able teaching/guiding by nice faculty members. I not only master degree completed successfully but also get admission for doctorate degree and also earn RGNF which facilitated me to continue my study as it remove acute financial burden my family. Besides completing my doctorate degree as also secured the government job.

Finally I got the highest degree of Agriculture. knowledge about the subject & more over the personality development which are all due to able teacher of the university & safe my life nicely. So that I may live of my future life in better way.

Thanks to all the faculty members in the university for building my carrier as well as personality.

(Signature)
 Signature

08 Name- Sandip Pandey
 I.D. No. HF-595411
 N.D. University of Agriculture and Forestry
 M.No. 9454595469

Feedback
 Spv this university is good
 in research work and study of
 science in this university. Particular
 technology lab work. It make
 juice, Hs and RTS. It was online
 experience in lab and RHWG program
 to know the how the farmer work
 his field and we know the farmer's
 situation in his field.

09 RHWG- Rural Horticulture work
 experience
 से हमें किसानों का
 RHWG परियोजना के बारे में जानकारी
 मिली है जिस तरह से आपने काम को
 वैज्ञानिक तरीके से करने में तथा
 हमें उनके खेती करने का तरीका समझ
 आज उपलब्ध करने और विपणन
 का तरीका भी पता चला।

10 RHWG- Rural Horticulture work
 experience
 -रेलवे के काम से प्रयोग के विवरण
 से हमें किसानों का परिचय और
 उनके पास करने बहुत ही व्यापक जानकारी
 मिली है तथा के प्रोफेसर के द्वारा हमें
 करने विचारों से अधिक बातें विचारों से
 पूरा पता प्रामाण्य करने रहे हैं जो किसानों के

Sandip Pandey

Annexure-IV

पृष्ठ / Page

टीपें एवं आज्ञायें
Notes & Orders

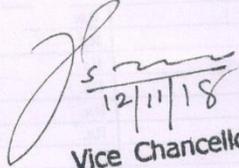
माननीय कुलपति महोदय

केन्द्रीय उपोष्ण बागवानी संस्थान, रहमानखेड़ा, लखनऊ एवं न0दे0 कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, फैजाबाद के मध्य कृषि शिक्षा, शोध एवं प्रसार के विकास हेतु भारतीय कृषि अनुसंधान परिषद द्वारा प्रदत्त समझौता ज्ञापन प्रपत्र पर दोनों पक्षों के हेड के द्वारा हस्ताक्षर किया जाना है। इस समझौता ज्ञापन से विश्वविद्यालय के छात्रों को केन्द्रीय उपोष्ण बागवानी संस्थान के प्रयोगशालाओं/प्रक्षेत्रों का लाभ प्राप्त होगा तथा साथ ही दोनों संस्थान के वैज्ञानिक आपस में विचार विमर्श कर शोध कार्यों को अधिक उंचाई पर लाया जा सकेगा।

कृपया उक्त प्रस्ताव पर सहमत की दशा में अधोहस्ताक्षरी को भारतीय कृषि अनुसंधान परिषद द्वारा प्रदत्त समझौता ज्ञापन प्रपत्र पर हस्ताक्षर करने की अनुमति प्रदान करना चाहें।

आदर

अधोहस्ताक्षरी
(वी0पी0 पाण्डेय)
अधिसूचना
उद्यान एवं बागवानी महाविद्यालय
N.D.U.A.T. Kumarganj, Faizabad


12/11/18
Vice Chancellor

Annexure-V

उद्यान एवं वानिकी महाविद्यालय
नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, अयोध्या

पत्रांक-1132/उ0वा0महा0/2019

दिनांक-11/2/19

समस्त विभागाध्यक्ष,
उद्यान एवं वानिकी महाविद्यालय

भारतीय कृषि अनुसंधान परिषद राष्ट्रीय शोध केन्द्र, लीची, मुसहरी, मुजफ्फरपुर, बिहार एवं नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, अयोध्या (उ0प्र0) के मध्य कृषि शिक्षा एवं प्रसार के विकास हेतु भारतीय कृषि अनुसंधान परिषद, नई दिल्ली द्वारा प्रदत्त समझौता ज्ञापन प्रपत्र पर दोनों पक्षों के मध्य सहमति प्रदान किया गया है। जिसकी प्रति आपको इस आशय के साथ प्रेषित किया जा रहा है कि कृपया आवश्यक अग्रिम कार्यवाही सुनिश्चित करने का कष्ट करें।

संलग्न - उपरोक्त प्रपत्र

अधिष्ठाता
11/2/19

उद्यान एवं वानिकी महाविद्यालय

पत्रांक- /उ0वा0महा0/2019

दिनांक-

प्रतिलिपि: उक्त के क्रम में निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

- 1- डा0 संजय पाठक, प्राध्यापक, पी0एच0टी0 विभाग।
- 2- कुलपति के सचिव को माननीय कुलपति महोदय के संज्ञानार्थ।

अधिष्ठाता
उद्यान एवं वानिकी महाविद्यालय

Annexure-VI

आदेश

उद्यान एवं वानिकी महाविद्यालय के कार्यों में गतिशीलता लाने की दृष्टि से महाविद्यालय स्तर पर शिक्षा, शोध एवं प्रसार के कार्यों को सुचारु रूप से सम्पादित किये जाने हेतु निम्नलिखित वैज्ञानिकों को कोऑर्डिनेटर के रूप में कार्य आवंटित किया जाता है। यह आदेश निदेशक प्रशासन एवं परिवीक्षण के द्वारा निर्गत कार्यवृत्ति सं० 388/स्था०/2018 दिनांक 18-05-2018 के अनुपालन में किया जाता है।

क्रम सं०	वैज्ञानिक का नाम	पदनाम	विभाग	आवंटित कार्य
1-	डा० संजय पाठक	सह प्राध्यापक	पोस्ट-हारवेस्ट टेक्नोलोजी	पूर्व आवंटित कार्यों के अतिरिक्त महाविद्यालय के प्रसार कार्यों का दायित्व
2-	डा० भगवानदीन	सह प्राध्यापक	फल विज्ञान विभाग	पूर्व आवंटित कार्यों के अतिरिक्त महाविद्यालय के शिक्षण कार्यों का दायित्व
3-	डा० जी०सी० यादव	सहायक प्राध्यापक	सब्जी विज्ञान विभाग	पूर्व आवंटित कार्यों के अतिरिक्त महाविद्यालय के शोध कार्यों का दायित्व

उक्त आदेश तत्काल प्रभाव से प्रभावी होगा।

(वी०पी० पाण्डेय)
अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

उद्यान एवं वानिकी महाविद्यालय

नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, फैजाबाद

पत्रांक 388/उ०वा०महा०/2018

दिनांक 18/5/18

प्रतिलिपि: उक्त के क्रम में निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

- 1- निदेशक शोध
- 2- निदेशक प्रसार
- 3- निदेशक प्रशासन एवं परिवीक्षण
- 4- स्रमस्त विभागाध्यक्ष, उद्यान एवं वानिकी महाविद्यालय।
- 5- सम्बन्धित वैज्ञानिक
- 6- कुलपति के सचिव को माननीय कुलपति महोदय के संज्ञानार्थ।
- 7- व्यक्तिगत पत्रावली।

(वी०पी० पाण्डेय)
अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

Annexure-VII

No 776/ Bnit Science/16

date 31-3-16

To

The Dean
College of Horticulture & Forestry
N. D. University of Agriculture & Technology
Kumarganj, Faizabad, (U.P.)

Through Proper Channel

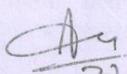
Sub: Examination Cell In-charge nomination reg.

Sir,

With reference to your order no. 977/CHF/2016, regarding above subject and in compliance of order, I submitted my joining as Examination Cell In-charge with immediate effect on 21-03-2016.

With kind regards

Your's faithfully


21.3.2016
(Ashok Kumar)

Assoc. Prof. (Hort.)

Annexure-VII

आदेश

उद्यान एवं वानिकी महाविद्यालय के अधीन परीक्षा कार्यक्रमों को संचालित किये जाने एवं परीक्षा कार्यक्रमों में गुणवत्ता बनाये रखने के उद्देश्य से परीक्षा कोष्ठ का गठन किया जाता है। परीक्षा प्रकोष्ठ में निम्न वैज्ञानिकों/कर्मचारियों को नामित करते हुए उन्हें आवंटित कार्य सम्पादन हेतु अधिकृत किया जाता है। परीक्षा प्रकोष्ठ एवं आवंटित कार्य निम्नवत है:-

क्रम सं०	वैज्ञानिक/कर्मचारी का नाम/पदनाम	आवंटित कार्य
1-	डा० अशोक कुमार, सह प्राध्यापक, पलोरीकल्चर	परीक्षा प्रकोष्ठ का प्रभारी नामित किया जाता है।
2-	डा० एस०के० वर्मा, सहायक प्राध्यापक/टी०ए०	परीक्षा सम्बन्धी समस्त कार्यों में पूर्ण सहयोग प्रदान करना
3-	श्री सीताराम, कार्यालय अधीक्षक	परीक्षा कार्यक्रम में सहयोग एवं अभिलेखों का रखरखाव करना
4-	श्री टी०पी० सिंह, वरिष्ठ सहायक/भण्डारक	परीक्षा से सम्बन्धित समस्त लेखन सामग्री जैसे:- उत्तर पुस्तिका, पेपर, लिफाफे, कलम आदि उपलब्ध कराना एवं परीक्षा भवन का रखरखाव।

(पी०के० सिंह)

अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

उद्यान एवं वानिकी महाविद्यालय

नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, फैजाबाद।

पत्रांक 477/उ०वा०महा०/2016

दिनांक: 21-3-2016

उपरोक्त की प्रतिलिपि:

- 1- समस्त को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
- 2- कुलपति के सचिवा को माननीय कुलपति महोदय के अवलोकनार्थ।

(पी०के० सिंह)

अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

Annexure-VIII

Narendra Deva University of Agril. & Tech., Kumarganj, Ayodhya (U.P.).

Academic Calendar of all the colleges (Except College of Veterinary Science) for the II-semester, session 2018-2019.

Sl. No.	Name of the College	Date of Registration	Last Date of Registration with late fee
1. Deposition of Fees & Issue of the Registration Cards :			
College of Agriculture Main Campus/Azamgarh Campus//Horticulture Agro-Forestry/ Fisheries/Engineering & Technology (All branches)/Home Science			
(i) Under Graduate	I st Year	15.1.2019	17.1.2019
	II nd Year	16.1.2019	18.1.2019
	III rd Year	17.1.2019	19.1.2019
	IV Year	18.1.2019	20.1.2019
(ii) Post Graduate	I st Year	22.1.2019	24.1.2019
	II nd Year	23.1.2019	25.1.2019
	Ph.D.	24.1.2019	26.1.2019
2. Commencement of classes (For All the above Colleges)			
	All colleges (Under Graduate Programme)	22.01.2019	
	All colleges (Master's and Ph.D. Programme)	29.01.2019	
3.	Last date for submission of Form No.-1	19.02.2019	
4.	Mid-Term Examination (For all the colleges) except U.G. Programme College of Veterinary Science	12.03.2019 to 28.03.2019	
5.	Last date for submission of Grade sheet	With in a week from the date of examination	
6.	Last Date for withdrawal of courses	With in a week from the date of examination	
7.	Last date for submission of Form No.-2	20.04.2019	
8.	Final Examination (For all the colleges)	20.05.2019 to 04.06.2019	
9.	Last date of submission of synopsis	11.06.2019	
10.	Last date for submission of thesis	30.06.2019	

In case a particular date fixed happens to be a holiday the next working day shall be taken as a date fixed for the purpose.
Registrar may make suitable adjustment in the Calendar dates.

(A.K. Gangwar)
Registrar

Narendra Deva University of Agriculture & Technology,
Kumarganj, Ayodhya (U.P.)

Dated : 14.12.18

No. NDUAT-02/Acad. C./2018/1317.

Copy forwarded for information and necessary action :

1. All Deans
2. All Heads of Departments College of Agriculture Main Campus/Azamgarh Campus/Horticulture/ Fisheries/Home Science/ Vet.Sc./Agril. Engg.
3. Notice Board College/Hostel
4. Secretary to VC for kind information of Hon'ble Vice-Chancellor

(A.K. Gangwar)
Registrar

Annexure-IX

(Annexure Ia)

आदेश

माननीय कुलपति महोदय के अनुमोदन पर विश्वविद्यालय परिसर में रैगिंग को रोकने हेतु उध्यक्ष/सदस्य नामित किया गया है। यह दल 16.07.2018 से प्रारम्भ हो रहे स्नातक शिक्षण सत्र 2018-19 में विश्वविद्यालय परिसर के छात्रावासों/संवेदनशील स्थानों पर शौचक निरीक्षण व जांच करेगा तथा यह दल जांच की रिपोर्ट संस्तुति सहित रैगिंग विरोधी समिति को विनियम 9.1 उपखण्ड (ए) के अनुसार अग्रिम कार्यवाही हेतु सौपेगी-

कृषि महाविद्यालय

1- डा० के०एन० सिंह	अधिष्ठाता	अध्यक्ष
2- डा० जे०पी० श्रीवास्तव	सीड टेक्नालाजी	सदस्य
3- डा० ए०के० सिंह	कीट विज्ञान	सदस्य
4- डा० रमेश प्रताप सिंह	सहा० प्रा० बायोकेमेस्ट्री	सदस्य
5- डा० सीताराम मिश्रा	मौसम विज्ञान	सदस्य
6- डा० उत्कर्ष त्रिपाठी	भाषा	सदस्य
7- डा० चन्द्रबलो यादव	जी०पी०बी०	सदस्य
8- डा० राम प्रताप सिंह	शस्य विज्ञान विभाग	सदस्य

पशु चिकित्सा विज्ञान एवं पशुपालन महाविद्यालय

1- डा० वी०के० सिंह	अधिष्ठाता	अध्यक्ष
2- डा० सुशान्त श्रीवास्तव	सह प्राध्यापक	सदस्य
3- डा० हरनाम सिंह	प्राध्यापक	सदस्य
4- डा० पी०के० रमानिक	प्राध्यापक	सदस्य
5- डा० नमिता जोशी	प्राध्यापक	सदस्य
6- डा० डी० नि गोगी	सहा० प्राध्यापक	सदस्य
7- डा० वी०के० पाल	सहा० प्राध्यापक	सदस्य
8- डा० ए० के० गंगवार	सहा० प्राध्यापक	सदस्य
9- डा० मुकेश कुमार	सहा० प्राध्यापक	सदस्य

गृह विज्ञान महाविद्यालय

1- डा० सुमन मौर्या	अधिष्ठाता	अध्यक्ष
2- डा० आमा सिंह	सहा० प्राध्यापक	सदस्य
3- डा० साधना सिंह	सहा० प्राध्यापक	सदस्य
4- डा० पूनम सिंह	सहा० प्राध्यापक	सदस्य

मात्स्यिकी महाविद्यालय

1- डा० शबोला खान	अधिष्ठाता	अध्यक्ष
2- डा० ए०पी० राव	प्राध्यापक	सदस्य
3- डा० लक्ष्मी प्रसाद	सहा० प्राध्यापक	सदस्य

Annexure-IX

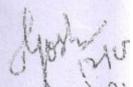
उद्यान एवं वानिकी महाविद्यालय

1- डा० विक्रमा गण्डेय	अधिष्ठाता	अध्यक्ष
2- डा० ए०के० सिंह	सह प्राध्यापक	सदस्य
3- डा० ओ० पी० शर्मा	सह प्राध्यापक	सदस्य
4- डा० भगवानदीन	सह प्राध्यापक	सदस्य
5- डा० आर०के० ठकुर	सहा० प्राध्यापक	सदस्य
6- डा० भानू प्रताप	सहा० प्राध्यापक	सदस्य

महामाया कृषि अभियंत्रण महाविद्यालय

1- डा० के०के० गौरा	अधिष्ठाता	अध्यक्ष
2- डॉ० महेन्द्र राय	सह प्राध्यापक	सदस्य
3- डॉ० रजत कुमार मेहता	सह प्राध्यापक	सदस्य
4- डॉ० रामजीत सिंह	सहा० प्राध्यापक	सदस्य
5- डॉ० आर० बी० गौतम	सहा प्राध्यापक	सदस्य

माननीय कुलपति महोदय ने निर्देशित किया है कि अध्यक्ष महोदय समिति की बैठक कर रै की रोक-थाम हेतु प्रभावी कार्यवाही सुनिश्चित करेंगे।


(आर०के० जोशी)
अधिष्ठाता छात्र कल्याण

कार्यालय अधिष्ठाता छात्र कल्याण
नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, फौजावा

पत्रांक-NDUA/T/09/रैगिंग समिति/223/2018

दिनांक: 12-7-

उपरोक्त की प्रतिलिपि- समस्त सदस्यगण को सूचनार्थ प्रेषित।


(आर०के० जोशी)
अधिष्ठाता छात्र कल्याण

Annexure-IX

(Annexure 1b)

नोटिस

अधिष्ठाता छात्र कल्याण के पत्रांक-एन.डी.यू.ए.टी./09/रैगिंग समिति/229/2018 दिनांक 12-07-2018 के द्वारा उद्यान एवं वानिकी महाविद्यालय परिसर में रैगिंग को रोकने हेतु अध्यक्ष/सदस्य नामित किया गया है। यह दल दिनांक 16-07-2018 से प्रारम्भ हो रहे स्नातक शिक्षण सत्र 2018-2019 में विश्वविद्यालय के परिसर के छात्रावासों/संवेदनशील स्थानों पर औचक निरीक्षण व जांच करेगा तथा यह दल जांच की रिपोर्ट संस्तुति सहित रैगिंग विरोधी समिति को विनियम 9:1 उपखण्ड (ए) के अनुसार अग्रिम कार्यवाही हेतु सौंपेगी।

जिन छात्रों को उक्त के क्रम में रैगिंग से सम्बन्धित कोई भी परेशानी अथवा विश्वविद्यालय/महाविद्यालय से कोई अन्य जानकारी प्राप्त करनी हो तो निम्नलिखित अधिकारियों से उनके दूरभाष नम्बर पर तुरन्त सम्पर्क स्थापित करें।

1-	डा० विक्रमा प्रसाद पाण्डेय, अधिष्ठाता	अध्यक्ष	9415717208
2-	डा० ए०के० सिंह, सह प्राध्यापक	सदस्य	9415720377
3-	डा० ओ०पी० राव, सह प्राध्यापक	सदस्य	9415959562
4-	डा० भगवानदीन, सह प्राध्यापक	सदस्य	9451203838
5-	डा० आर०के० पाठक, सहायक प्राध्यापक	सदस्य	9453956534
6-	डा० भानु प्रताप, सहायक प्राध्यापक	सदस्य	9415439398

(वी०पी० पाण्डेय)
अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

उद्यान एवं वानिकी महाविद्यालय

नरेन्द्र देव कृषि एवं प्रौद्योगिक विश्वविद्यालय, कुमारगंज, फैजाबाद

पत्रांक 573/उ०वा०महा०/2018

दिनांक 17/7/18

प्रतिलिपि: उक्त के क्रम में निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।

- 1- अधिष्ठाता छात्र कल्याण को उनके उक्त सन्दर्भित पत्र के क्रम में।
- 2- सम्बन्धित अधिकारी।
- 3- कोऑर्डिनेटर, शिक्षण कार्य।
- 4- कुलपति के सचिव को माननीय कुलपति महोदय के अवलोकनार्थ।
- 5- नोटिस बोर्ड।

(वी०पी० पाण्डेय)
अधिष्ठाता

उद्यान एवं वानिकी महाविद्यालय

List of Publications with NAAS rating of more than 5.00

S No.	Research paper	NAAS Rating
1.	Chaudhary, M.; Deen, B. and Mishra, K.K. (2017). Studies on development of syrup from mango (<i>Mangifera indica</i> L.) pulp and aloe vera (<i>Aloe barbadensis</i> Miller.) gel blend. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 6(7):2247-2254	5.38
2.	Kumar, A. and Deen, B. (2017). Studies on Bio-chemical changes in wood apple (<i>Limonia acidissima</i> L.) fruits during growth and development. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 6(8):2552-2560	5.38
3.	Chaudhary, M.; Deen, B.; Gautam, D.K. and Mishra, K.K. (2017). Studies on development of squash from mango (<i>Mangifera indica</i> L.) pulp and aloe vera (<i>Aloe barbadensis</i> Miller.) gel blend. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 6(7):1962-1969	5.38
4.	Kumar, A. and Deen, B. (2017). Studies on preparation and storage of jelly from wood apple (<i>Limonia acidissima</i> L.) fruits. <i>Journal of Pharmacognosy and Phytochemistry</i> , 6(6): 224-229	5.21
5.	Kumar, A. and Deen, B. (2017). Effect of eco-friendly vase solution on maximum buds opening and longer vase life of tuberose (<i>Polianthes tuberosa</i> L.) cv. Hyderabad Double. <i>Journal of Pharmacognosy and Phytochemistry</i> , 6(4): 1233-1236	5.21
6.	Dwivedi, N.; Deen, B. Kumar, A.; Sharma, M.M. and Jaiswal, A.K. (2018). Standardization of vase solutions for maximum bud opening and longer vase-life of Gladiolus flower cv. Nova Lux. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 7(3):3145-3150	5.38
7.	Kumar, A. and Deen, B. (2018). Studies on preparation and preservation of squash from wood apple (<i>Limonia acidissima</i> L.) fruits. <i>International Journal of Chemical Studies</i> , 6(1): 1513-1516	5.31
8.	Pandey, S. and Deen, B. (2018). Studies on the Pattern of changes Biochemical Constitutes of Ber (<i>Zizyphus mauritiana</i> Lamk.) Fruits cv. Narendra Ber Selection-1. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 7(4):636-640	5.38
9.	Singh, A.; Rai, V.P.; Singh; Singh, Major; Singh, A.K. and Sinha, B. (2013). Molecular diversity analysis of <i>Asparagus recemosus</i> and its adulterants using random amplified polymorphic DNA (RAPD). <i>J. Medicinal Pl. Res.</i> 7(16):1050-1056	**
10.	Mishra, Pragnyashree; Singh, A.K. and Singh, O.P. (2014). Genetic variability, heritability, Genetic advance and path analysis in gladiolus. <i>IOSR J. of Agri. and Veterinary Sci.</i> 7(7):23-26. (6.50).	7.33
11.	Meena, A.K.; Singh, A.K. and Singh, B. (2017). A Review on Effect of Plant Growth Regulators on physico-chemical attributes of phalsa. <i>Int.J.Curr. Microbiol. App. Sci.</i> , 6(5):	5.38
12.	Kumar, S.; Singh, A. K.; Singh Archana, Singh Amar (2018) Effect of Plant Growth regulators on growth and Flowering characters of China aster (<i>Callistephus chinensis</i> L.Nees) cv. Ostrich Feather. <i>Journal of Pharmacognosy & Phytochemistry</i> pp- 3149 – 3153 (5.21).	5.21
13.	Singh, R.P.; Singh, Anshuan; Sharma, N.; Singh A.K. Singh; Kumar	5.31

	R.; Singh, N.; Singh A.P.; Singh K. and Singh, Anand (2018). Studies on physical and Yield attributes on Bael (<i>Aegle marmelos</i> Correa.) <i>Int.J. Chemical Studies</i> 6(6):2691-2694.(5.31).	
14.	Singh, Anshuan; Singh A.K.; Singh, R.P.; Sharma, N.; Singh, K.A.P.; Singh A.P. and Singh Anand (2018).Effect of Foliar application of micro nutrients on yield and Physical quality of Mango (<i>Mangifera indica</i> L.) <i>Int.J. Chemical Studies</i> 6(6):2525-2530.(5.31)	5.31
15.	Deepti, Sunna; Singh A.K. and Singh K.A.P. (2018). Effect of varying doses of Nitrogen and Phosphorus On vegetative growth, Flowering and Fruit quality of Cape Gooseberry (<i>Physalis peruviana</i> L.) <i>Int.J.Curr. Microbiol. App. Sci.</i> , 7(2):126-135.(5.38)	5.38
16.	Rajesh Kumar, VishuddhaNand, RK Doharey, Sanjay Kumar Verma and Raju (2018). Effect of seed rate and weed management practices on growth parameters and Dr.y matter accumulation of late sown wheat (<i>Triticumaestivum</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> 6(2): 2498-2502.	5.21
17.	VishuddhaNand, Rajesh Kumar, RK Dohrey, SK Verma and Raju (2018). Maize(<i>Zea mays</i> L.) Crop at various stages, plant geometry and nutrient management. <i>Int. J. of Current Microbiology and Applied Sciences.</i> (7): 989-997.	5.38
18.	Rajesh Kumar, VishuddhaNand, RK Doharey, S K Verma and Anjali (2018). Effect of seed rate and herbicides on yield attributes and yield of late sown wheat (<i>Triticumaestivum</i> L.). <i>Int. J. of Current Microbiology and Applied Sciences.</i> (7). 2582-2589.	5.38
19.	VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and S K Verma(2018). Study about the interaction effects on varieties and plant geometry on growth and yield of hybrid and composite Maize (<i>Zea mays</i> L.) on rabi season. <i>Int. Jr. of Chemical studies</i> , 6(2):2539-2544.	5.31
20.	Anil Kumar, VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and SK Verma(2018). Effect of leaf colour chart based nitrogen management on growth and uptake of rice (<i>Oryza sativa</i> L.) cultivar in eastern Uttar Pradesh . <i>Int. Jr. of Chemical studies</i> , 6(2):2492-2497.	5.31
21.	Rajesh Kumar, ShipraYadav, VishudhaNand, Sanjay Kumar Verma, NeerajYadav(2018). Effect of different nitrogen levels and varieties on yield of barley (<i>H. vulgare</i>) under sodic soil. <i>Multilogic in Science</i> , VIII RKVY Nov: 242-245.	
22.	Rajesh Kumar, VishuddhaNand, SK Verma, RK Doharey, Anjali Kumari and Raju (2019). Effect of herbicides on weed control efficiency (%), yield attributes, yield and profitability of wheat (<i>Triticumaestivum</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> , 8(2): 118-121.	5.21
23.	YashwantYadav, Rajesh Kumar, Anjali Kumari,VishuddhaNand and SK Verma(2019). Effect of herbicides on Dry matter accumulation, fresh herbage yield, oil yield and profitability of Japaneasemint(<i>M. arvensis</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,8(2): 49-53.	5.21
24.	YashwantYadav, Rajesh Kumar, Anjali Kumari,VishuddhaNand and SK Verma(2019). Effect of weed management practices on weeds and nitrogen removal by weeds in Japaneasemint(<i>M. arvensis</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,8(2): 54-58.	5.21

25.	VishuddhaNand, R. Yadav, Rajesh Kumar, RK Dohrey, SK Verma, NeerajYadav and RK Yadav(2019). Effect of fertilizers and cutting schedule on growth and quality of dual purpose barley crop (<i>Hordeumbulgare</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> .8(2): 126-130.	5.21
26.	Anil Kumar, VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and SK Verma(2018). Effect of leaf colour chart based nitrogen management on growth and uptake of rice (<i>Oryza sativa</i> L.) cultivar in eastern Uttar Pradesh. <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,6(2): 2492-2497.	5.21
27.	VishuddhaNand, R Yadav, Rajesh Kumar, RK Doharey, SK Verma, NeerajYadav and RK Yadav(2018). Effect of fertilizers and cutting schedule on growth and quality of dual purpose barley crop (<i>Hordeumvulgare</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> , 8(2): 126-130.	5.21
28.	Rajesh Kumar, VishuddhaNand, RK Doharey, Sanjay Kumar Verma and Raju (2018). Effect of seed rate and weed management practices on growth parameters and Dry matter accumulation of late sown wheat (<i>Triticumaestivum</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> 6(2): 2498-2502.	5.21
29.	VishuddhaNand, Rajesh Kumar, RK Dohrey, SK Verma and Raju (2018). Maize(<i>Zea mays</i> L.) Crop at various stages, plant geometry and nutrient management. <i>Int. J. of Current Microbiology and Applied Sciences</i> . (7): 989-997.	5.38
30.	Rajesh Kumar, VishuddhaNand, RK Doharey, S K Verma and Anjali (2018). Effect of seed rate and herbicides on yield attributes and yield of late sown wheat (<i>Triticumaestivum</i> L.). <i>Int. J. of Current Microbiology and Applied Sciences</i> . (7). 2582-2589.	5.38
31.	VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and S K Verma(2018). Study about the interaction effects on varieties and plant geometry on growth and yield of hybrid and composite Maize (<i>Zea mays</i> L.) on rabi season. <i>Int. Jr. of Chemical studies</i> , 6(2):2539-2544.	5.31
32.	Anil Kumar, VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and SK Verma(2018). Effect of leaf colour chart based nitrogen management on growth and uptake of rice (<i>Oryza sativa</i> L.) cultivar in eastern Uttar Pradesh . <i>Int. Jr. of Chemical studies</i> , 6(2):2492-2497.	5.31
33.	Rajesh Kumar, ShipraYadav, VishudhaNand, Sanjay Kumar Verma, NeerajYadav(2018). Effect of different nitrogen levels and varieties on yield of barley (<i>H. vulgare</i>) under sodic soil. <i>Multilogic in Science</i> , VIII RKVY Nov: 242-245.	
34.	Rajesh Kumar, VishuddhaNand, SK Verma, RK Doharey, Anjali Kumari and Raju (2019). Effect of herbicides on weed control efficiency (%), yield attributes, yield and profitability of wheat (<i>Triticumaestivum</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> , 8(2): 118-121.	5.31
35.	YashwantYadav, Rajesh Kumar, Anjali Kumari, VishuddhaNand and SK Verma(2019). Effect of herbicides on dry matter accumulation, fresh herbage yield, oil yield and profitability of Japaneasemint(<i>M. arvensis</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,8(2): 49-53.	5.21

36.	YashwantYadav, Rajesh Kumar, Anjali Kumari,VishuddhaNand and SK Verma(2019). Effect of weed management practices on weeds and nitrogen removal by weeds in Japaneasemint(<i>M. arvensis</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,8(2): 54-58.	5.21
37.	VishuddhaNand, R. Yadav, Rajesh Kumar, RK Dohrey, SK Verma, NeerajYadav and RK Yadav(2019). Effect of fertilizers and cutting schedule on growth and quality of dual purpose barley crop (<i>Hordeumbulgare</i>). <i>Jr. of Pharmacogonosy and Phytochemistry</i> .8(2): 126-130.	5.21
38.	Anil Kumar, VishuddhaNand, Rajesh Kumar, RK Doharey, MP Singh and SK Verma(2018). Effect of leaf colour chart based nitrogen management on growth and uptake of rice (<i>Oryza sativa</i> L.) cultivar in eastern Uttar Pradesh. <i>Jr. of Pharmacogonosy and Phytochemistry</i> ,6(2): 2492-2497.	5.21
39.	VishuddhaNand, R Yadav, Rajesh Kumar, RK Doharey, SK Verma, NeerajYadav and RK Yadav(2018). Effect of fertilizers and cutting schedule on growth and quality of dual purpose barley crop (<i>Hordeumvulgare</i> L.) <i>Jr. of Pharmacogonosy and Phytochemistry</i> , 8(2): 126-130.	5.21
40.	Chauhan, M.P., Singh, R.B. Singh. H.K. (2013). Genetics of Alternaria blight in linseed (<i>Linum usitatissimum</i> L.). <i>Indian Phytoph.</i> , 66 (2): 226-227. (NAAS 5.90)	5.90
41.	Kumar, H., Singh, H. K. , Singh, R. K. and Mishra P. (2014). Yield loss assessment due to Alternaria blight in Indian mustard [<i>Brassica juncea</i> (L.) Czern & Coss.]. <i>Int. J. Agricult. Stat. Sci.</i> 10 (1): 299-302. (NAAS 5.13).	5.13
42.	Singh, H.K. , Yadav, J.K., Singh, M., Kumar, D., Singh S., Singh, R.B and Priyanka, B. S. (2016). Comparative study on the cultural and pathogenic variabilityin <i>Alternaria brassicae</i> (Berk.) Sacc. isolates of rapeseed-mustard. <i>Indian Phytopath.</i> 69 (4s): 144-148. (NAAS 5.90)	5.90
43.	Chauhan, M.P., Singh, H.K. , Rahul, V.P. and Yadav, J.K., (2016). Inheritance of resistance to powdery mildew disease of linseed (<i>Linum usitatissimum</i> L.). <i>Indian Phytopath.</i> 69 (4s) 218-220. (NAAS 5.90)	5.90
44.	Kumar, D., Bharati, Y. K., Singh, S.K. and Singh, H.K. (2016). Evaluation of plant protection chemicals and botanicals for management of Alternaria blight in yellow sarson (<i>Brassica campestris</i>). <i>Indian Phytopath.</i> 69 (4s) 319-325. (NAAS 5.90).	5.90
45.	Singh, H.K. , Kumar, Ketan., Kumar, P., Singh, S., Singh, R.B., Maurya, K.N. and Chauhan M.P. (2016). Management of powdery mildew of rapeseed-mustard. <i>Indian Phytopath.</i> 69 (4s) 394-396. (NAAS 5.90).	
46.	H.K. Singh, R.B. Singh, P. Kumar , M. Singh, J. Kumar Yadav, P.K. Singh, M. P. Chauhan, R.C. Shakywar, K.N. Maurya, B. Shainy Priyanka,T. Srivastava, S.K. Yadav and M.K. Maurya (2017). Altemaria blight of rapeseed-mustard–A Review. <i>Journal of Environmental Biology.</i> , 38 (6):1405-1420. (NAAS 6.70).	6.70
47.	Pandey, M.K., Kumar, N., Singh, H.K. and Kumar, S. (2018). Effect of mancozeb on disease severity, infection rate and seed weight of mustard [<i>Brassica juncea</i> (L.) Czen & Coss.] caused by <i>Alternaria</i> spp. <i>Int. J. Curr. Microbiol. App. Sci</i> (2018) 7(2): 3689-3699. (NAAS 5.38)	5.38
48.	Singh H.K. , Yadav, J.K., Maurya, M.K. and Singh, S.K. (2018). Management of Alternaria blight through genotypes, fungicides, bio-Agents and botanical in rapeseed-mustard. <i>Int. J. Curr. Microbiol. App. Sci</i> 7(2): 1463-2469. (NAAS 5.38)	5.38
49.	Chauhan, M.P., Singh H.K. , Yadav, J.K., and Singh, S.K. (2018). Genetics	5.90

	and allelic relationship between genes conferring resistance to wilt in linseed. <i>Indian Phytopath.</i> 159-162. DOI 10.1007/s42360-018-0017-z. (NAAS 5.90).	
50.	Khan, N.A., Singh, S. P., Prasad, S., Singh, N., R., Singh, H.K., Singh, V., Srivastava, D. and Hussain., Dwivedi. D.K. (2018). Biochemical studies of different varieties of Indian mustard (<i>Brassica juncea</i> (L.) Czern & Coss) against alternaria blight (<i>Alternaria brassicae</i> (Berk) Sacc.). <i>J. Pharmacognosy and Phytochemistry.</i> SP4: 406-410. (NAAS 5.21).	5.21
51.	Chauhan, M.P., Singh, R.B. Singh. H.K. (2013). Genetics of Alternaria blight in linseed (<i>Linum usitatissimum</i> L.). <i>Indian Phytoph.</i> , 66 (2): 226-227. (NAAS 5.90)	5.90
52.	Kumar, H., Singh, H. K. , Singh, R. K. and Mishra P. (2014). Yield loss assessment due to Alternaria blight in Indian mustard [<i>Brassica juncea</i> (L.) Czern & Coss.]. <i>Int. J. Agricult. Stat. Sci.</i> 10 (1): 299-302. (NAAS 5.13).	5.13
53.	Singh, H.K. , Yadav, J.K., Singh, M., Kumar, D., Singh S., Singh, R.B and Priyanka, B. S. (2016). Comparative study on the cultural and pathogenic variability in <i>Alternaria brassicae</i> (Berk.) Sacc. isolates of rapeseed-mustard. <i>Indian Phytopath.</i> 69 (4s): 144-148. (NAAS 5.90)	5.90
54.	Chauhan, M.P., Singh, H.K. , Rahul, V.P. and Yadav, J.K., (2016). Inheritance of resistance to powdery mildew disease of linseed (<i>Linum usitatissimum</i> L.). <i>Indian Phytopath.</i> 69 (4s) 218-220. (NAAS 5.90)	5.90
55.	Kumar, D., Bharati, Y. K., Singh, S.K. and Singh, H.K. (2016). Evaluation of plant protection chemicals and botanicals for management of Alternaria blight in yellow sarson (<i>Brassica campestris</i>). <i>Indian Phytopath.</i> 69 (4s) 319-325. (NAAS 5.90).	5.90
56.	Singh, H.K. , Kumar, Ketan., Kumar, P., Singh, S., Singh, R.B., Maurya, K.N. and Chauhan M.P. (2016). Management of powdery mildew of rapeseed-mustard. <i>Indian Phytopath.</i> 69 (4s) 394-396. (NAAS 5.90).	5.90
57.	H.K. Singh, R.B. Singh, P. Kumar, M. Singh, J. Kumar Yadav, P.K. Singh, M. P. Chauhan, R.C. Shakywar, K.N. Maurya, B. Shainy Priyanka, T. Srivastava, S.K. Yadav and M.K. Maurya (2017). Alternaria blight of rapeseed-mustard—A Review. <i>Journal of Environmental Biology.</i> , 38 (6):1405-1420. (NAAS 6.70).	6.70
58.	Pandey, M.K., Kumar, N., Singh, H.K. and Kumar, S. (2018). Effect of mancozeb on disease severity, infection rate and seed weight of mustard [<i>Brassica juncea</i> (L.) Czen & Coss.] caused by <i>Alternaria</i> spp. <i>Int. J. Curr. Microbiol. App. Sci</i> (2018) 7(2): 3689-3699. (NAAS 5.38)	5.38
59.	Singh H.K. , Yadav, J.K., Maurya, M.K. and Singh, S.K. (2018). Management of Alternaria blight through genotypes, fungicides, bio-Agents and botanical in rapeseed-mustard. <i>Int. J. Curr. Microbiol. App. Sci</i> 7(2): 1463-2469. (NAAS 5.38)	5.38
60.	Chauhan, M.P., Singh H.K. , Yadav, J.K., and Singh, S.K. (2018). Genetics and allelic relationship between genes conferring resistance to wilt in linseed. <i>Indian Phytopath.</i> 159-162. DOI 10.1007/s42360-018-0017-z. (NAAS 5.90).	5.90
61.	Khan, N.A., Singh, S. P., Prasad, S., Singh, N., R., Singh, H.K., Singh, V., Srivastava, D. and Hussain., Dwivedi. D.K. (2018). Biochemical studies of different varieties of Indian mustard (<i>Brassica juncea</i> (L.) Czern & Coss) against alternaria blight (<i>Alternaria brassicae</i> (Berk) Sacc.). <i>J. Pharmacognosy and Phytochemistry.</i> SP4: 406-410. (NAAS 5.21).	5.21
62.	Mishra, P. K., Pathak, Sanjay , Singh, R.K., Sanjay, Sahay, Tiwari, D.K., Srivastava, Piyush and Kumari, Rashmi (2014). Evaluation of Mango (<i>Mangifera indica</i> L.) Cultivars for Prepration of Osmo-Dehydrated Product. <i>The Bioscan</i> 9 (4): 1495-1498.	5.26
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