

**Self-Study Report for Accreditation of
B. Sc. (Hons.) Agriculture and College of Agri-
culture, Lalsot-Dausa (Rajasthan) -303511**

Submitted to



**The Accreditation Board
Indian Council of Agricultural Research
New Delhi**



**Sri Karan Narendra Agriculture University
Jobner- Jaipur
2021**

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**Self-Study Report for Accreditation of
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6.4. Self-Study Report for the Programme

6.4.1. Brief History of the degree programme:

The College of Agriculture, Lalsot was established vide announcement in Budget Session 2007 (para 135), by Hon'ble Chief Minister of Rajasthan and subsequent order No. F. 4(18) Agriculture-3/2013 Govt. of Rajasthan and came into existence on August 17, 2007 as a constituent college of Swami Keshwanand Rajasthan Agricultural University (SKRAU) Bikaner. Presently COA, Lalsot is one of the ICAR accredited constituent college of newly established Sri Karan Narendra Agriculture University (SKNAU) Jobner. The college is located 6 km north of Lalsot town on NH-11 A and lies 35 km south of district headquarter at Dausa.

The campus is spread over an area of 51 hectares which includes research farm, instructional cum demonstration farm with academic and administrative blocks and hostels. The undergraduate degree programme is running in the college since its inception *i.e.* 2007. From 2016-17 academic session, B.Sc. (Hons.) Agriculture degree programme is running its curricula as per the guidelines of 5th Dean's committee recommendations of ICAR, New Delhi and the Self-study report has been prepared as per the NAEAB guidelines and proforma.

1. State		: Rajasthan (India)
2. University	Name	: Sri Karan Narendra Agriculture University, Jobner (Jaipur)-303 329
	Headquarters	: Jobner (Jaipur)
3. College	Name	: College of Agriculture, Lalsot-3035111
	Telephone	: 9414820579
	E-mail	: dean.coalalsot@sknau.ac.in
4. Date of Establishment	College	: August 17 th , 2007
5. Dean, COA, Lalsot	Name	: Dr. S. S. Yadav



Hon'ble Vice-Chancellor's visit of Instructional farm

Goals and Objectives

Goals:The institute came into existence with a view pointof“Endorse professionalism, ethics and achieve excellence in imparting value-based education to the undergraduate students in agriculture and allied fields for accelerating all round growth of the agriculture sector in the state and country.”

Objectives:

- To impart value-based education to the students in agriculture.
- To provide scientific and technical knowledge to students in agriculture.
- To enhance the competitiveness among students and establish college as a center of excellence in agriculture.
- To develop entrepreneurial skills among students enabling them to become job providers instead of job seekers for sustainable rural development.

Accomplishments

The college has accomplished 10 batches of students of Under-graduate programme. The passed-out students are pursuing PG and Ph.D. programmes in various institutes throughout the country. Several students have been placed in public and private sector in the field of agriculture, banking services etc.

Graduated Students from COA, Lalsot:

The college was started in 2007and till now 10 batches have been passed out with good academic performance as shown below.

Table 1: Number of Students graduated from COA, Lalsot

Academic session	Male	Female	Total
2015-16	30	09	39
2016-17	23	05	28
2017-18	31	11	42
2018-19	35	15	50
2019-20	43	10	53

Table 2: Number of Students selected for higher studies through AIEEA (PG)

S. No.	Name of Students	JRF/Non-JRF	Subject	Name of University
Batch 2015-2016				
1	Nil			
Batch 2017				
1	Heera Lal Atal	Non-JRF	M. Sc. (Horticulture)	MPUAT, Udaipur
Batch 2018				
1	AvinashBochalya	Non-JRF	M.Sc. (Soil Science)	SK Nagar Ag. University, Dantiwada, Gujarat
2	Kamlesh Bairwa	Non-JRF	M.Sc. (PBG)	Rajendra Prasad Central Ag. Univ. Bihar
Batch 2019				
1	Nil			
Batch 2020				
1	Devendra Kumar	Non-JRF	Soil Science	Rani Lakshmi Central Agricultural University, Jhansi, UP

Table 3: Total number of passed out students selected for higher studies/placement in last five years

Year	M. Sc. (Ag.)	ICAR-JRF/Non-JRF	Placement	Total
2015-16	14	0	8	22
2016-17	17	1	8	26
2017-18	29	2	7	38
2018-19	11	0	8	19
2019-20	11	1	4	16

6.4.2 Faculty Strength:

The concept of core faculty exists in the college. The sanctioned strength of the faculty at the college is 01 Professor, 03 Associate Professors and 12 Assistant Professors whereas the filled-up position against these are 03, 02 and 07 respectively. As the college is a constituent undergraduate college; therefore, the faculty is treated as core faculty on the basis one's specialization

and contribution in a particular field instead of department wise categorization. The faculty is recruited on national level through selection process as per the recruitment guidelines of ICAR/UGC.

Table 4: Faculty positions at College of Agriculture, Lalsot:

S.No.	Faculty Positions	Sanctioned	Filled	Available From other units of the university	Total Availability	Faculty as per ICAR norms
1.	Professor	01	03	01	04	03
2.	Associate Professor	03	02	01	03	08
3.	Assistant Professor	12	07	02	09	34
4.	Contractual/ Guest Faculty	Retired Professors, Guest Faculty and Teaching Staff of Rajasthan Agricultural Research Institute, Durgapura, Jaipur are engaged for teaching				
Total		16	12		16	45

The proposal has been submitted to sanction faculty as per norms of ICAR. The university has been regularly arranging course wise faculty from other units of the University every year. Whenever deficiencies arise, the faculty from other units of the university is taken as subject expert. The retired professors, experienced guest faculty etc. are being arranged for teaching. The teaching and non-teaching staff of Rajasthan Agricultural Research Institute, Durgapura, Jaipur is contributing for academic and administrative work as and when needed (**Annexure I & II**). The courses offered during the academic sessions (academic year and course wise) are furnished as below:

Table 5: Information of teaching arrangement at COA, Lalsot during the academic Sessions of 2015-16 to 2020-21

July to December, 2015			
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4111	Introductory Agriculture and Principles of Agronomy	Sh. R. K. Meena
2	PBG 4111	Principles of Genetics	Guest Faculty
3	SOILS- 4111	Introduction to Soil Science	Dr. K. K. Sharma
4	EXTED 4111	Dimensions of Agricultural Extension	Dr. Y. K. Sharma
5	PPATH 4111	Agricultural Microbiology	Dr. M. L. Meena

6	COMP 4111	Introduction to Computer Applications	Outsourcing/GF
7	MATHS 4111	Elementary Mathematics	Outsourcing/GF
8	ENG 4111	Comprehensive and Communication Skills in English	Outsourcing/GF
9	NSNC 4221	NCC/NSS/ Physical Education	Dr. K. K. Sharma
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena
3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Dr. Y. K. Sharma
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Guest Faculty
7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Guest faculty
5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Dr. S. K. Bairwa
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	B. L. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Guest Faculty
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty

2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr. K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

January to June, 2016			
B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4121	Agricultural Meteorology	Dr. Rani Saxena
2	PBG 4121	Principles of Plant Breeding	Dr. L. D. Sharma
3	PPATH 4121	Plant Pathogens and Principles of Plant Pathology	Dr.M. L. Meena
4	ENTO 4121	Insect Morphology and Systematics	Dr. S. R. Dhaka
5	AGECON 4121	Principles of Agricultural Economics	Outsourcing
6	AENGG 4121	Fundamentals of Soil and Water Conservation Engineering	Dr. Upendra Singh
7	BIOCH 4121	Biochemistry	Dr. R. S. Saini
8	SOILS-4121	Soil Chemistry, Soil Fertility and Nutrient Management	Dr. K. K. Sharma
9	NSNC	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4221	Field Crops- II (<i>Rabi</i>)	Dr. B. L. Meena
2	AGRON 4222	Water Management	Dr. B. L. Meena
3	SOILS- 4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K. K. Sharma
4	ENTO 4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Dr. S. K. Khinchi
5	HORT 4221	Production Technology of Vegetables and Flowers	Dr. S. K. Bairwa
6	AGECON 4221	Agricultural Finance and Co-operation	Outsourcing
7	PPHYS 4221	Crop Physiology	Dr. Sunita Gupta
8	EXTED-4221	Entrepreneurship Development and Communication Skills	Dr. R. N. Sharma
9	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON 4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B. L Meena

2	AGRON 4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B. L. Meena
3	PBG 4321	Principles of Seed Technology	Guest faculty
4	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr. Babita Deegwal
5	LPM 4321	Livestock Production and Management	Dr. R. A. Sharma
6	ENVS 4321	Environmental Science**	KKS, RSS & GF
7	HORT 4321	Post-harvest management and value addition of fruits and vegetables	Dr. S. K. Bairwa
8	PPATH 4321	Diseases of Horticultural Crops and their management	Dr. M. L. Meena
9	AGECON 4321	Fundamentals of Agri. Business Management	Outsourcing
10	Advisory		Advisors

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hrs=18 (0+18)

July to December, 2016			
B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4111	Introductory Agriculture and Principles of Agronomy	Sh. R. K. Meena
2	PBG 4111	Principles of Genetics	Guest Faculty
3	SOILS- 4111	Introduction to Soil Science	Dr. K. K. Sharma
4	EXTED 4111	Dimensions of Agricultural Extension	Guest Faculty
5	PPATH 4111	Agricultural Microbiology	Dr. M. L. Meena
6	COMP 4111	Introduction to Computer Applications	Outsourcing
7	MATHS 4111	Elementary Mathematics	Outsourcing
8	ENG 4111	Comprehensive and Communication Skills in English	Outsourcing
9	NSNC 4221	NCC/NSS/ Physical Education	Dr. K. K. Sharma
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena
3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Guest faculty
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Dr. S. K. Bairwa

7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Guest faculty
5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	B. L. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr. S. K. Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr. K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

January to June, 2017			
B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4121	Agricultural Meteorology	Sh. R. K. Meena
2	PBG 4121	Principles of Plant Breeding	Dr. R. K. Kamboj/GF
3	PPATH 4121	Plant Pathogens and Principles of Plant Pathology	Dr.M. L. Meena
4	ENTO 4121	Insect Morphology and Systematics	Guest faculty (GF)
5	AGECON 4121	Principles of Agricultural Economics	Outsourcing
6	AENGG 4121	Fundamentals of Soil and Water Conser-	Outsourcing

		vation Engineering	
7	BIOCH4121	Biochemistry	Dr. R. S. Saini
8	SOILS-4121	Soil Chemistry, Soil Fertility and Nutrient Management	Dr. K. K. Sharma
9	NSNC	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4221	Field Crops- II (<i>Rabi</i>)	Dr. B. L. Meena
2	AGRON 4222	Water Management	Sh. R. K. Meena
3	SOILS- 4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K. K. Sharma
4	ENTO 4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Guest Faculty
5	HORT 4221	Production Technology of Vegetables and Flowers	Dr. S. K. Bairwa
6	AGECON 4221	Agricultural Finance and Co-operation	Outsourcing
7	PPHYS 4221	Crop Physiology	Guest faculty (GF)
8	EXTED-4221	Entrepreneurship Development and Communication Skills	Guest faculty (GF)
9	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON 4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B. L Meena
2	AGRON 4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B. L. Meena
3	PBG 4321	Principles of Seed Technology	Dr. R. K. Kamboj/GF
4	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Guest Faculty
5	LPM 4321	Livestock Production and Management	Guest Faculty
6	ENVS 4321	Environmental Science**	KKS, RSS & GF
7	HORT 4321	Post-harvest management and value addition of fruits and vegetables	Dr.S. K. Bairwa
8	PPATH 4321	Diseases of Horticultural Crops and their management	Dr. M. L. Meena
9	AGECON 4321	Fundamentals of Agri. Business Management	Outsourcing
10	Advisory		Advisors

*Shall be shared between Biochemistry, Entomology and Soil Science

B. Sc. (Hons.) Ag. Part-IV:

RAWE-4412 Programme for B. Sc. (Hons.) Ag. Part-IV. Sem-II, 2016-17, Credit Hrs 18 (0+18)

July to December, 2017			
B.Sc. (Hons.) Ag. Pt-I:			
1	HORT-111	Fundamentals of Horticulture	Dr. S. K. Bairwa
2	BIOCHEM111	Fundamentals of Plant Biochemistry and	Dr. R. S. Saini

		Biotechnology	
3	SSAC-111	Fundamentals of Soil Science	Dr. K.K. Sharma
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	Outsourcing
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena
7	BIO-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing
8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Dr. B. L. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr.B. Deegwal
10	HVE-111	Human values & Ethics (non gradial) (Ext. Edcu.)	Dr. B. Deegwal
11	NSS	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena
3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Dr. B. Deegwal
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Dr. S. K. Bairwa
7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr.S K Bairwa
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Guest faculty

5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	Sh. R.K. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr.S.K.Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr.K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

January to June 2018			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Dr.R K Kamboj
2	CPHYS-121	Fundamentals of Crop Physiology	out sourcing
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Guest Faculty /Out sourcing
5	AGECON-121	Fundamentals of Agricultural Economics	Out sourcing
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Out Sourcing /Dr B Degwal
8	SSAC-121 [@]	Agricultural Microbiology	KKS+MLM
9	CSPD-121 [©]	Communication Skills & Personality Development	Out Sourcing /Dr B Degwal
10	AGRON-121	Introductory Agro-Meteorology & Climate Change	Sh. R K MEENA
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa
12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-4221	Field Crops- II (<i>Rabi</i>)	Dr. B.L. Meena

2	AGRON-4222	Water Management	Sh. R.K. Meena
3	SOILS-4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K.K. Sharma
4	ENTO-4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Guest Faculty
5	HORT-4221	Production Technology of Vegetables and Flowers	Dr. S.K. Bairwa
6	AECON-4221	Agricultural Finance and Co-operation	Out sourcing
7	PPHYS-4221	Crop Physiology	GF/out sourcing
8	EXTED-4221	Entrepreneurship Development and Communication Skills	Dr.BabitaDigwal
9	NSNC-4221	NCC/NSS	Dr. S.K. Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B.L. Meena
2	PBG-4321	Principles of Seed Technology	Dr. R.K. Kamboj/GF
3	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr.BabitaDigwal
4	LPM-4321	Livestock Production and Management	Dr. R.A. Sharma
5	ENVS-4321*	Environmental Science**	KKS,RSS& GF
6	AGRON-4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B.L. Meena
7	HORT-4321	Post-harvest management and value addition of fruits and vegetables	Dr. S.K. Bairwa
8	PPATH-4321	Diseases of Horticultural Crops and their management	Dr. M.L. Meena
9	AECON-4321	Fundamentals of Agri. Business Management	Outsourcing
10	Advisory		Advisors

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hrs=18 (0+18)

July to December, 2018			
B.Sc. (Hons.) Ag. Pt-I:			
1	HORT-111	Fundamentals of Horticulture	Dr.U.Singh
2	BIOCHEM111	Fundamentals of Plant Biochemistry and Biotechnology	Guest faculty
3	SSAC-111	Fundamentals of Soil Science	Dr.S.S.Sharma
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	GF
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena

7	BIO-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing
8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Sh. R.K. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr.Y.K.Sharma
10	HVE-111	Human values & Ethics (non gradial) (Ext. Edcu.)	Dr.Y.K.Sharma
11	NSS	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa/Dr. R. K. Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-211	Crop production technology-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
2	GPB-211	Fundamentals of Plant Breeding	Dr. S.K. Jain
3	AGRINFO-211*	Agricultural Informatics	Guest faculty
4	STAT-211	Statistical Methods-211	Guest faculty
5	ESDM-211 [©]	Environmental Studies and Disaster Management	Guest faculty
6	HORT-211	Production technology for Vegetables and Spices	Dr. U. Singh
7	AECON-211 [©]	Agricultural Finance and Cooperation	Dr.R.C. Asiwai
8	AENGG-211	Farm Machinery and Power	Guest faculty
9	ANISC-211	Livestock and Poultry Management	Guest Faculty
10	NSS/NSO	NSS**	Dr.S K Bairwa/Dr. R. K. Meena
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Sh. Manoj Meena
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Dr.S.K. Jain & Sh. Omprakash
5	AECON-4311	Agricultural marketing, trade and prices	Dr.R.C. Asiwai
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	Sh. R.K. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr.S.K.Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV Group-I			
1	PBG-4411	Advanced seed technology	Sh. Omprakash
2	AGRON-4411	Applied weed management	Dr. B.L. Meena

3	SOILS-4411	Vermi-composting and organic farming	Dr. S.S. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma &Dr.S.S. Sharma
6	LPM-4411	Dairy cattle production	Guest Faculty
B.Sc. (Hons.) Ag. Pt-IV Group-II			
1	ENTO-4412	Bio-control agents and bio-pesticides	Guest Faculty
2	SOILS 4411	Vermi-composting and organic farming	Dr.S.S. Sharma
3	PBG-4412	Tissue culture and micro propagation techniques	Sh. Manoj Meena
4	HORT-4411	Nursery management of horticultural crops	Dr.U.Singh, S K Bairwa
5	HORT-4412	Commercial vegetable production	Dr.S.K.Bairwa
6	HORT-4413	Commercial fruit production	Dr.U.Singh
7	Advisory		Advisors

January to June 2019			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Dr. S.K. Jain/ Sh.Manoj Meena
2	CPHYS-121	Fundamentals of Crop Physiology	Out sourcing/ Guest Faculty
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Guest Faculty /Out sourcing
5	AGECON-121	Fundamentals of Agricultural Economics	Dr. R.C. Asiwai
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing/ Guest Faculty
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Dr. Y.K. Sharma
8	SSAC-121 [@]	Agricultural Microbiology	Sh. Ravi ku. Meena+ Dr. M.L. Meena
9	CSPD-121 [©]	Communication Skills & Personality Development	Dr. Y.K. Sharma
10	AGRON-121	Introductory Agro-Meteorology & Climate Change	Sh. R K MEENA
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa/R.K. Meena
12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-221	Crop Production Technology –II (Rabi Crops)	Dr. B.L. Meena
2	GPB-221	Principles of Seed Technology	Dr. S.K. Jain/ Sh.Manoj Meena
3	AGRON-222	Farming System & Sustainable Agriculture	Sh. R.K. Meena

4	SSAC-221	Problematic soils & Their Management	Sh. Ravi ku. Meena
5	ENTO-221	Insect Ecology & Principles of Integrated Pest Management	Guest Faculty/Out Sourcing
6	ENTO-222	Bio-pesticides & Bio-fertilizers	Guest Faculty + Sh. Ravi ku. Meena
7	HORT-221	Production Technology for Ornamental Crops, MAP and Landscaping	Dr. S.K. Bairwa
8	AGECON-221	Agricultural Marketing Trade and Prices	Dr. R.C. Asiwal
9	AGENGG-221	Renewable Energy & Green Technology	GF/out sourcing
10	HORT-222	Production Technology for Fruit & Plantation Crops	Dr. S.K. Bairwa
11	NSS/NCC/PEYP	National Service Scheme/Physical Edu. & Yoga Practices	Dr. S.K. Bairwa/R.K. Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-4321	Practical Crop Production II (Rabi crops)	Sh. R. K. Meena
2	PBG-4321	Principles of Seed Technology	Sh Omprakash
3	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr. Y.K.Sharma
4	LPM-4321	Livestock Production & Management	Guest Faculty
5	ENVS-4321*	Environmental Science	Dr. KK Sharma+ Guest faculty
6	AGRON-4322	Farming Systems, Sustainable Agriculture & Organic Farming	Dr. B.L. Meena
7	HORT-4321	Post-Harvest Management & Value Addition of Fruits & Vegetable Crops	Dr. U. Singh
8	PPATH-4321	Diseases of Horticultural Crops & Their Management	Dr. M.L. Meena
9	AECON-4321	Fundamentals of Agricultural Business Management	Dr. R.C. Asiwal
10	Advisory		Advisors

@= should be shared between Soil Science and Plant Pathology ©= Common Course

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hrs=18 (0+18)

July to December, 2019			
B.Sc. (Hons.) Ag. Pt-II:			
1	HORT-111	Fundamentals of Horticulture	Dr. Uadal Singh
2	BIOCHEM111	Fundamentals of Plant Biochemistry and Biotechnology	Guest faculty
3	SSAC-111	Fundamentals of Soil Science	Sh. Ravi Kumar Meena
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	GF
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena
7	IB-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing

8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Sh. R.K. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr.Y.K.Sharma
10	HVE-111	Human values & Ethics (non gradial) (Ext. Edu.)	Dr.Y.K.Sharma
11	NSS/NSO	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa/Sh. R. K. Meena
12	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-211	Crop production technology-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
2	GPB-211	Fundamentals of Plant Breeding	Sh. Manoj Meena/ Sh. Omprakash
3	AGRINFO-211	Agricultural Finance and Cooperation	Guest faculty
4	STAT-211	Agricultural Informatics	Guest faculty
5	ESDM-211	Farm Machinery and Power	Dr. R.K. Meena
6	HORT-211	Production technology for Vegetables and Spices	Dr. U. Singh
7	AGECON-211	Environmental Studies and Disaster Management	Dr.R.C. Asiwal
8	AGENGG-211	Statistical Methods-211	Guest faculty
9	ANISC-211	Livestock and Poultry Management	Guest Faculty
10	NSS/NSO	NSS**	Dr.S K Bairwa/Sh.R. K. Meena
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	SSAC-311	Manures, Fertilizers and Soil Fertility Management	Sh. Ravi Kumar Meena
2	AGRON-311	Geoinformatics and Nano-Technology and Precision farming	Dr. B. L. Meena
3	ENTO-311	Pests of Crops and Stored Grains and their Management	Dr. R.K. Meena
4	GPB-311	Crop Improvement-I (<i>Kharif</i> Crops)	Sh. Omprakash/ Sh. Manoj Meena
5	PPATH-312	Diseases of Field and Horticultural Crops and Their Management-I	Dr. M. L. Meena
6	EDBC-311	Entrepreneurship Development and Business Communication	Dr. Y. K. Sharma
7	PPATH-311	Epidemiology and Integrated Disease Management	Dr. M.L. Meena
8	AGRON-312	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
9	GPB-312	Intellectual Property Rights	Sh. Manoj Meena
10	HORT-311	Landscaping (Elective Course)	Dr. S. K. Bairwa
11	Advisory		Advisor

B.Sc. (Hons.) Ag. Pt-IV Group-I			
1	PBG-4411	Advanced seed technology	Sh. Omprakash
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Sh. Ravi Kumar Meena
4	SOILS-4412	Soil, plant and water analysis	Sh. Ravi Kumar Meena
5	SOILS-4413	Plant growth regulators in agriculture	Sh. Ravi Kumar Meena
6	LPM-4411	Dairy cattle production	Guest Faculty
B.Sc. (Hons.) Ag. Pt-IV Group-II			
1	ENTO-4412	Bio-control agents and bio-pesticides	Dr. R.K. Meena
2	SOILS 4411	Vermi-composting and organic farming	Sh. Ravi Kumar Meena
3	PBG-4412	Tissue culture and micro propagation techniques	Sh. Manoj Meena
4	HORT-4411	Nursery management of horticultural crops	Dr.U.Singh, S K Bairwa
5	HORT-4412	Commercial vegetable production	Dr.S.K.Bairwa
6	HORT-4413	Commercial fruit production	Dr.U.Singh

*shall be offered from I to IVth semester and evaluation will be reported at the end of IV sem.

January to June 2020			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Sh. Manoj Meena
2	CPHYS-121	Fundamentals of Crop Physiology	Out sourcing/ Guest Faculty
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Dr. R. K. Meena
5	AGECON-121	Fundamentals of Agricultural Economics	Dr. R.C. Asiwai
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing/ Guest Faculty
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Dr. Y.K. Sharma
8	SSAC-121 [@]	Agricultural Microbiology	Sh. Ravi ku. Meena+ Dr. M.L. Meena
9	CSPD-121 [©]	Communication Skills & Personality Development	Dr. Y.K. Sharma
10	AGRON-121	Introductory Agro-Meteorology & Climate Change	Dr. B. L. Meena
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa/Sh. Ravi Kumar Meena
12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-221	Crop Production Technology –II (Rabi Crops)	Dr. B.L. Meena
2	GPB-221	Principles of Seed Technology	Sh. Omprakash

3	AGRON-222	Farming System & Sustainable Agriculture	Dr. B.L. Meena
4	SSAC-221	Problematic soils & Their Management	Sh. Ravi ku. Meena
5	ENTO-221	Insect Ecology & Principles of Integrated Pest Management	Dr. R. K. Meena
6	ENTO-222	Bio-pesticides & Bio-fertilizers	Dr. R. K. Meena
7	HORT-221	Production Technology for Ornamental Crops, MAP and Landscaping	Dr. S.K. Bairwa
8	AGECON-221	Agricultural Marketing Trade and Prices	Dr. R.C. Asiwai
9	AGENGG-221	Renewable Energy & Green Technology	Out sourcing/ Guest Faculty
10	HORT-222	Production Technology for Fruit & Plantation Crops	Dr. S.K. Bairwa
11	NSS/NCC/PEYP	National Service Scheme/Physical Edu. & Yoga Practices	Dr. S.K. Bairwa/Sh. Ravi Kumar Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-321	Rainfed Agriculture & watershed management	Dr. B.L. Meena
2	AGENGG-321	Protected Cultivation and Secondary Agriculture	Out sourcing/ Guest Faculty
3	PPATH-321	Disease of field and Horticultural Crops and their management-II	Dr. M. L. Meena
4	HORT-321	Post-harvest Management and Value Addition of fruits and vegetables	Dr. Uadal Singh
5	ENTO-321	Management of Beneficial Insects	Dr. R. K. Meena
6	GPB-321	Crop Improvement-II (<i>Rabi</i> Crops)	Sh. Omprakash
7	AGRON-322	Practical Crop Production-II (<i>Rabi</i> Crops)	Dr. B.L. Meena
8	AGRON-323	Principles of Organic Farming	Dr. B.L. Meena
9	AGECON-321	Farm management, Production & Resource Economics	Dr. R.C. Asiwai
10	HORT-322	Principles of Food Science and Nutrition	Dr. Uadal Singh
11	GPB-322	Micro-Propagation Technology (Elective Course)	Sh. Manoj Meena
12	Advisory		Advisors

@= should be shared between Soil Science and Plant Pathology

©= Common Course

6.4.3 Technical and Supporting staff (Non-Teaching):

S. No.	Post	No. of Post sanctioned	Filled	Vacant position	Remarks
1.	Assistant Registrar	-	01	-	Source of salary from another unit
2.	Asstt. Librarian	-	-	-	Responsibility is being shouldered by teaching faculty
3.	Accountant/AAO-	01	01	-	ASO is working against the post

	II				
4.	Section Officer	-	01	-	Source of salary from another unit
5.	P.A.	01	-	01	
6.	LDC	03	01	02	
7.	Lab. Asstt.	04	01	03	
8.	Technical Assistant	03	-	03	
9.	Farm Manager	01	-	01	
10.	Ag. Sup.	03	01	02	
11.	Pump Operator	01	01	-	Working at RARI, Durgapura, Jaipur
12.	Driver	01	-	01	
13.	Lab Attendant	06	-	06	
14.	Farm Worker	02	01	01	
15.	Book Lifter	02	01	01	
16.	Jamadar	01	-	01	
	Total	29	09	22	Non- teaching staff of RARI, Durgapura, Jaipur are also engaged as per requirement of works

6.4.4 Classrooms and Laboratories (Annexure I, II & III):

Classrooms:

The college buildings are divided into two separate blocks *viz.*, administrative and academic blocks. The college has 04 well equipped classrooms with a maximum sitting capacity of 65 students in each. The pedagogy involves the use of latest ICT technologies (multimedia and LCD projectors, white boards and CCTV cameras etc.) for enabling interactive and participatory learning of the students and monitoring at central level. Classrooms are well furnished and ventilated.

Classroom Facility:

S. No.	Particulars	Number	Size (sq. feet)	Capacity	Facilities available
1.	Lecture Hall-1	01	50 x30 = 1500	65	Smart class room equipped with latest ICT aids
2.	Lecture Hall-2	01	50 x30 = 1500	65	Smart class room equipped with latest ICT aids
3.	Lecture Hall-3	01	50 x30 = 1500	65	Smart class room equipped with latest ICT

					aids
4.	Lecture Hall-4	01	25 x 18 = 450	35	Smart class room equipped with latest ICT aids
5.	Conference Hall	01	36 X 26 = 936		Equipped with Interactive Flat Panel and other ICT aids

Laboratories:

The college has well equipped laboratories pertaining to different subjects *viz.*, Agronomy, Soil Science, Plant Pathology, Entomology, Genetics and Plant Breeding, Horticulture, Extension Education and Life Science along with one Computer Lab. The laboratories are well equipped with different types of apparatus and lab-wares for conducting experiments as the requirement of course curricula. The laboratory equipment's and chemicals are sufficient to meet out the curricula requirement of B.Sc. (Hons.) Ag. programme as per ICAR guidelines.

Laboratory Facilities:

S.No.	Particulars	Instruments/Facilities available
1.	Agronomy	EC meter, Digital pH meter, Digital TDS meter, Hot air oven, Double distilled water assembly, Digital weighing balance, EC meter, Hot plate, Soxhlet assembly, Meteorological observatory, Mechanical shaker, Centrifuge machine
2.	Soil Science	Atomic Absorption Spectrophotometer, EC meter, Digital pH meter, Digital TDS meter, BOD incubator, Double distilled water assembly, Flame photometer, Spectrophotometer, Automated N analyzer with digestion, distillation, titration and scrubber system, Flame photometer, Weighing balance, Digestion block, Soil auger, Hot air oven, Refrigerator
3.	Plant Pathology	Compound Microscopes, Oven, Refrigerator, Electronic balance, Weighing machine, Micro Pipette, Hot Plate, Automizer, Disease display showcase,
4.	Entomology	Insect identification, dissection, mounting and preservation, rearing of bioagents, insecticides and its spraying equipment's, B.O.D incubator, Laminar air flow, Hot air oven, Deep freezer, Vertical autoclave, Microscope, Insect collection box and net, Insect Killing bottle, Insect Charts
5.	Plant Breeding and Genetics	Hot air oven, Centrifuge, Digital weighing balance, Autoclave, BOD Incubator, Oven, Laminar cabinet, Centrifuge, Slides (Mitosis & Meiosis), Charts

6.	Horticulture	E.C. meter, digital pH meter, digital TDS meter, Hand refractometer, Digital weighing balance, Secateurs, pruning shear, Lawn mower, weighing balance, Khurpi and Spade, , Grafting and Budding Knife, pit digger, chain saw, deep freezer, Refrigerator, hot air oven, retorts, plug trays
7.	Extension Education	Television, Camera (HD Video and digital), LCD projector, Computer, Speaker, LED TV
8.	Life Science	pH meter, EC meter, Spectrophotometer, Autoclave, BOD Incubator, Oven, Laminar cabinet, Centrifuge, Water Bath, Weighing balance, Refrigerator, Micro Pipette
9.	Computer Lab	04 computers with 100 mbps VPN connectivity
B.	Instructional farm	Tractor, trolley, disc harrow, cultivator, wheel barrow, battery operated knapsack sprayer, drip and sprinkler irrigation systems, tube well, Threshing floor, farm store, Mobile seed grader
C.	Water harvesting Pond	25 Lakh Liters

Student Teacher Ratio in Theory and Practical classes:

S.No.	UG Program B.Sc. (Hons.) Agriculture	Students in Theory Classes	Students in Practical's	Student Teacher Ra- tio
1.	Part I	64	32	12.5:1
2.	Part II	62	31	
3.	Part III	62	31	
4.	Part IV	62	31	

6.4.5 Conduct of Practical and Hands on Training

Practical for all courses are conducted in the laboratories or instructional farms as per the requirements of the respective courses. While conducting the practical, first the students are instructed about the procedures and practices they have to follow, while accomplishing the exercise. Thereafter, they are guided for hands on practice for doing the practical exercise at his/her own to build up confidence in the students for independent accomplishment of the exercise. Hands-on training is being given to the students on *Trichoderma* mass multiplication, *Tri-*

chogramma card preparation, Mushroom cultivation, vermi-composting and *Azolla* preparation, chemical analysis of soil, plant and water samples, budding, grafting, high-tech nursery raising, seed grading, sowing with seed-cum-ferti-drill, calibration of sprayers, tractor driving, water measurements, recording of weather variables, emasculation, selfing, crossing practices in breeding programmes etc.

Agricultural engineering

Demonstration and exposure are provided to students in courses entitled Farm Machinery and Power, Soil and Water Conservation Engineering etc. Hands on training are provided on various farm implements including parts of tractor, ploughs (Mold board/Disc), cultivators, levelers, plank, tractor operated digger, harrows, laser leveler, seed drills etc. Irrigation scheduling, measurements of irrigation water flow and working of centrifugal pumps and pressurized irrigation system are practically done by students in research farm of the college. Seed processing with practical knowledge of sieve/screens, graders and conveyers are practically demonstrated in mobile seed processing unit of the college.

Horticulture

Practical Hands on training in horticulture is given with practical exposure on nursery bed preparation, potting, repotting and other application of inputs. First hand practical exposure in different type of propagation methods *i.e.*, budding, cutting, grafting, and layering in different horticultural crops are being imparted to students. Caliper measurement of fruits, scions and measurement of TSS with refractometer in jam and jelly preparation are practically taught to students in their practical classes. Requisite facilities are available at the college for hands on training to the students on preparing jam, jelly, sauce, ketchup, pickles, juice extraction, squash preparation etc. Students are acquainted with botanical and common names of different ornamental and horticultural plants. Protected cultivation in shade net house is available at the premises for practical experience to the students.



Plant breeding and Genetics

The students at COA, Lalsot are provided practical exposure on different aspects of plant breeding and seed production programmes apart from maintaining pure line and breeding methodologies including emasculation and pollination techniques at college farm. Exposure of modern techniques such as micro propagation technology and genetic engineering are being provided with the help of the well-established laboratories of RARI, Durgapura, Jaipur and SKNCOA, Jobner.

Agricultural Economics

The students are practically exposed to the agricultural marketing at the District level by their visit to agriculture market, Mandies, warehouses and farmers field etc. so as to develop the understanding about the functioning of agriculture market and practical problems involved. Students are also involved in survey programme in nearby villages.

Biochemistry

Practical hands on training are provided to the students in their practical classes on nutritional aspects of agricultural produce and their qualitative and quantitative measurements including carbohydrates, proteins, fats etc, stock solutions, standard solutions and reagents used in the laboratory.

Soil Science and Agricultural Chemistry

The college maintains a well-equipped soil science laboratory with facilities to study soil profile, horizons, texture, structure, bulk density, particle density, porosity, EC, pH, organic carbon and soil and plant analysis of different micro and macro nutrients etc. Students also get hands on training on soil management practices such as vermicomposting, organic farming, fertilizers application and management of problematic soils. Laboratory experiments on water

sample analysis for carbonate, bicarbonates, SAR, RSC, Sodium, Potassium, and Sulphate are also conducted as per the part of course curriculum.



Plant Physiology

Practical exercises on preparation of solutions and buffers, demonstration of processes of osmosis, plasmolysis, transpiration, chlorophyll estimation, germination test and seed viability, estimation of seed moisture, measurement of root pressure, evolution of O₂ in photosynthesis, requirement of light and CO₂ in photosynthesis, respiratory quotient, study of plant growth analysis parameters are being practically conducted for the students.

Entomology

Identification and/or collection of insects of economic importance in different crops, vegetables, fruit and ornamental plants and their morphological characteristics are being done by students. Principles and practices for the management of major insect pest with IPM strategies such as light traps, pheromone traps, trap crops are also being imparted to students.



Agronomy

Practical exercises on germination/viability test, measurement of field capacity, bulk density, infiltration rate and quality of irrigation water are important practical exercises performed by the students. Understanding of the weather phenomenon is required for crop production so practical exposure to meteorological instruments such as minimum and maximum temperature, wind speed, wind direction, sunshine hours, rainfall measurement, soil temperature, humidity, evapo-transpiration etc. are being given in practical exercises. A crop cafeteria is also maintained for the students and is developed and maintained by them.



Agriculture Extension

Extension wing of the college in coordination with the KVK, Dausa enables our students to get the requisite exposure with university extension system, farmers training, focus group discussion and practical exercises on preparation of extension literature viz., leaflets, booklet, folder, pamphlets etc. Extension activities performed by the students during RAWE/READY programme also provide an opportunity to the final year students to get first hand exposure of

rural society and farming activity. During the programme students are attached with different KVK's affiliated to the university which are well equipped with instruments and amenities for demonstration, soil analysis, plant clinic, post-harvest technology and mass communication etc.

Plant Pathology

Practical hands on training is being imparted to students for media preparation, identification of microbes, isolation of pathogen from infected plants and control in the field conditions, identification of disease symptoms at college farm and farmers field along with their management are practically taught to students.

In nutshell COA, Lalsot assists in training of its undergraduate students and local farmers in innumerable aspects of farming system in Zone IIIa with a social bottom up approach component.



6.4.6 Supervision of students in PG/PhD programmes:

Although the college mandate is for Under-graduate teaching, besides this the college faculty also extends their expertise in guiding PG and Ph.D. students as major advisor/ member of the advisory committee at university level.

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

Feedback mechanism is also employed for due consideration. A village attachment In-charge is appointed at respective KVK. Simultaneously one In-charge is also appointed at college level as UG Coordinator to monitor the overall functioning of the programme and to get feedback from the farmers and students interacting group so to make the sanctity of this novel approach. The feedbacks on various problems of different crops are collected through State Agriculture Department as well as by organizing the field visits, farmers rallies, group discussions. This feedback is discussed in monthly meeting of the Zone IIIa. Scientists as well as the extension agencies are involved in monthly meetings and they finalize the research programme accordingly, which is based on important feedbacks received from farmers.



Table 5: Village attachment program for RAWE/READY students

Year	College order number as documentary proof	Place for Village attachment
2016-17	No. F/RAWE/ACL/2017/1343-46 dated 25.01.2017	KVK, Dholpur
2017-18	No. F/RAWE/ACL/2018/1255 dated 20.01.2018	KVK, Dausa
2018-19	No. F/RAWE/ACL/2019/3001-05 dated 31.01.2019	KVK, Dausa
2019-20	No. F/RAWE/ACL/2020/4783-4788 dated 15.01.2020	KVK, Dausa
2020-21	No. F/RAWE/ACL/2020/6277-87 dated 17.8.2020	KVK, Dausa

- Name of the Incharge : Dean
- Suggestion/complaint box available : Yes
- Parent-Teacher-Student interaction conducted : Yes (during orientation program/as and when needed)

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

Year	Intake	Admitted	Retained	Attrition	
				Nos.	%
2016-17	62	60	53	07	11.66
2017-18	62	58	56	02	3.57
2018-19	62	56	53	03	5.35
2019-20	62	62	60	02	3.22
2020-21	64	64	63	01	1.56

6.4.9. ICT Application in Curricula Delivery:


The college has developed smart class rooms with latest ICT technologies (multimedia and LCD projectors along with white boards) to make the learning more interactive and effective. The faculty members have developed online teaching material and practical manuals for most of the courses. The students are involved in preparing assignments and project works using ICT aids. Internet facility is easily accessible to faculty and students at the college campus. Pedagogy at COA, Lalsot involves use of power point presentation and interactive class room teaching. Classrooms are fully comfortable and well ventilated.

6.4.10 Information pertaining to 6.4.1 to 6.4.9 for B.Sc. (Hons.) Agriculture Programme has been provided

6.4.11 The data presented in section 6.4 is made available for verification: Agreed

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

I, the Dean Dr.S.S. Yadav, College of Agriculture, Lalsot hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the College and degree awarding university.



17/03/2021
DEAN
College of Agriculture
Lalsot - 303 503, Distt.- Dausa(Raj.)
Signature of the Dean with Date & Seal

**Self-Study Report of College of Agriculture, Lalsot
for Accreditation**

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6.5 SELF STUDY REPORT FOR COLLEGE OF AGRICULTURE, LALSOT, DAUSA

6.5.1. College Administration

6.5.1.1 College Dean's Office Establishment

The post of the Dean is sanctioned by the appropriate authority as per ICAR Model Act. The present Dean is working since 07.07.2020.

Whether Dean's post has been sanctioned by the appropriate authority as per ICAR Model Act/UGC guidelines?	The post of Dean has been sanctioned by Govt. of Rajasthan as per ICAR Model Act/ UGC guideline.
Date of selection of present Dean	07.07.2020
Mode of selection of Dean	Internal system and nominated by Hon'ble Vice Chancellor
Tenure of Dean	Non-tenurial

The staff available in the Dean's Secretariat is as under:

S. No.	Post	No. of Sanctioned Post	Filled	Vacant	Total
1.	Personal Assistant	01	-	01	01
2.	Clerk-II	01	-	01	01
3.	Class-IV	01	01	-	01
4.	Driver	01	-	01	01

Infrastructure/facilities available in the Dean's Secretariat: Sufficient

S. No.	Details of available Infrastructure Facilities	No. of rooms/ facilities	Dimensions(ft)
1.	Dean's Office	01	25 X 18 =450Sq. feet
2.	PA room	01	16.5 X 10.5 =173.25 Sq. feet
3.	Strong room	01	16.5 X 12.5 = 206.25 Sq. feet
4.	Conference Hall / Committee room	01	36 X 26 = 936Sq. feet
5.	Assistant Account Officer	01	20 X 18.5 =370 Sq. feet
6.	Assistant Academic Officer/ Assistant Registrar	01	19.5 X 14.5 = 282.75Sq. feet
7.	Faculty room (Male)	06	15 X 11.5 = 172.50Sq. feet
8.	Faculty room (Female)	01	15 X 11.5 = 172.50Sq. feet
9.	Smart Classroom	03	50 X 30 = 1500Sq. feet
10.	Examination Hall cum Auditorium	03	Existing classrooms are used as examination hall also
11.	Library	01	52 X 34.5 = 1794 Sq. feet
12.	Computer Lab	01	28.5 X 8.0 = 228 Sq. feet

13.	Placement Cell	01	20 X 11 = 220 Sq. feet
14.	Examination Cell	01	14 X 14 = 196 Sq. feet
12.	Canteen	01	Budget sanctioned, tender under process
13.	Washroom	10	07 male & 03 for females
14.	Parking space	01	Budget sanctioned, tender under process
15.	Vehicles	Car (Swift Dzire)-01 Bolero Jeep – 01 Mini Bus – 01 Tractor - 01	
16.	Laboratories	11	
17.	Other facilities	1. Lease Line internet connectivity and point to point connectivity (100 mbps) 2. Wi-Fi campus 3. Multifunction printer (print, scan, copy) 4. Colour printer 5. Photocopier 6. Biometric attendance system 7. Visitor sofa set (3+2+2) 8. Almirah (48) 09. File drawer cabinet 10. Air-conditioned dean's office attached late-bath 12. All in one desktop and laptop 13. CC TV control panel for surveillance 14. Digital Signage	

6.5.1.2 Monitoring Mechanism for quality Education:

At the college level, Dean is the Chief Executive and Administrative Officer. He executes day to day working of the college with faculty members and supporting staff. The Dean is supported by Professors, Associate Professors and Assistant Professors in academic and administrative affairs of the college. The directives received from the Hon'ble Vice- Chancellor and Directors are being implemented at college level time to time. Curriculam planning and its up-gradation are being initiated at respective sectional/ departmental level, discussed in the Board of Studies at the university level and submitted to Academic Council of the university for final approval. The college is also having its own internal quality assessment assurance system with:

1. Semester system is being followed in the college for effective study and evaluation of students.
2. Timely conducting scheduled examinations during the semester (final theory and practical examinations).
3. External evaluation system for final theory and practical examinations.
4. Attendance: Strict observation of attendances of students with eligibility to appear in final

examination upon maintaining 75% attendance in individual courses.

6. Periodic academic progress monitoring mechanism is adopted by the Dean of the college.

7. Research projects are framed, monitored and guided by Directorate of Research, SKNAU, Jobner through Pre-Zonal Research and Extension Advisory Committee (PreZREAC) and ZREAC meetings.

8. The college faculties are actively participating as resource person/expert in agricultural extension activities of the Directorate of Extension, SKNAU, Jobner and line departments.

9. Faculty is also actively engaged in Agricultural technologies dissemination through mass communication *viz*; radio/TV talks, field visits, farmer fairs, demonstrations etc.

6.5.1.3. CC/Board of Studies

The Course Committee (CC) is constituted at Departmental level and Board of studies is constituted at the college / university level. As per the university norms, the Board of studies is composed of the following members:

HOD-Chairman

VC nominee (2): Members

Senior Faculty: Member

The meetings of the Board of studies are being conducted in the college as per the need or instructions from the university/ICAR. Dean COA, Lalsot along with Deans of other colleges and university Heads are the member of BOS. The first Board of studies meeting was held on 11/11/2014. Implementation of the syllabus/ contents for UG programme as per the ICAR Vth Deans committee recommendation was done in the second meeting of BOS held on 10/02/2017. Academic council meetings at the University level considers all the important issues pertaining to academics in the university, important matters are discussed and decisions are taken with the consent of its members during meeting. Some of the important decisions and subsequent action taken are as below.

S. No.	A.C. Meeting	Date	Agenda/Action Taken
1.	1 st AC Meeting (2014)	15.03.2014	<ul style="list-style-type: none">To constitute Board of studies for faculty of Agriculture and course committees of various departments.To consider score card for faculty recruitment.

2.	2 nd AC Meeting (2015)	10.01.2015	<ul style="list-style-type: none"> • Increase 10 payment seats at each constituted college of SKNAU, Jobner except SKNCOA, Jobner and general fee by 10% every year is also increased as per agenda. • It was also resolved that 50% revenue generated through payment seats is kept by the concerned college/institute and 50% be deposited to Comptroller office. All decisions are applicable from the fresh students admitting from the academic session 2015-16.
3.	3 rd AC Meeting (2016)	12.02.2016	<ul style="list-style-type: none"> • Inter-college transfer of students should be stopped forthwith. • For UG practical exam, the external may be invited preferable from the state of Rajasthan itself. • Students will be promoted to second, third and fourth year if he/she secures an OGPA of 4.00, 4.50 and 4.75, respectively at the end of I, II- and III-year examination of B.Sc. (Hon.) Agriculture. • Not allowing teachers for private tuitions/ coaching.
4.	4 th AC Meeting (2016)	02.05.2016	<ul style="list-style-type: none"> • The Decisions were not relevant to this college/UG programme.
5.	5 th AC Meeting (2017)	27.02.2017	<ul style="list-style-type: none"> • Replacement of existing courses by those recommended by the Fifth Deans' committee.
6.	6 th AC Meeting (2018)	28.04.2018	<ul style="list-style-type: none"> • The Decisions were not relevant to this college/UG programme.
7.	7 th AC Meeting (2019)	21.02.2019	<ul style="list-style-type: none"> • The Decisions were not relevant to this college/UG programme.
8.	8 th AC Meeting (2019)	09.07.2019	<ul style="list-style-type: none"> • The Decisions were not relevant to this college/UG programme.
9.	9 th AC Meeting (2019)	18.11.2019	<ul style="list-style-type: none"> • The Decisions were not relevant to this college/UG programme.
10.	10 th AC Meeting (2019)	24.12.2019	<ul style="list-style-type: none"> • Initiation of Chancellor's and Vice Chancellor Medals for UG, PG and Ph.D. and the terms and condition has been formulated.
11.	11 th AC Meeting (2020)	17.06.2020	<ul style="list-style-type: none"> • Incentives to become life members of scientific societies

6.5.1.4. Anti-Ragging Cell

College of Agriculture, Lalsotis having an anti-ragging committee constituted in pursuance with the Judgment of the Hon'ble Supreme Court of India (dated 08.05.2009 in Civil Appeal No. 887/2009). The College follows the UGC/ICAR Regulations on curbing the menace of ragging in higher educational institutions, 2009. Newly admitted first year undergraduate students are made aware about the nuisance of ragging by the ADSW and Incharge student section during orientation programme at the beginning of academic session every year. The anti-ragging committee has been constituted since the inception of the college. The committee is composed of one senior faculty as convener and other faculty as members. The current year anti-ragging cell is being operative with following faculties of the college

Table 7: Details of Anti Ragging committee

S.No.	Name and Designation	Status	Reference
1.	Dr. M.K. Sharma, Professor (Horticulture)	Convener	No.F./ADS W/ACL/20 21/736-740 Dated: 08.02.2021
2.	Sh. R. K. Meena, Assistant Professor (Agronomy)	Member	
3.	Dr. Prema Dogra, Assistant Professor (Soil Science & Agril. Chemistry)	Member	
4.	Dr. R. C. Asiwal, Assistant Professor (Agril. Economics)	Member	
5.	Dr. J. K. Bana, Assistant Professor (Entomology)	Member	

Flexes and banners of anti-ragging appeal are being displayed on the various key locations of the institution at start of the session every year for creating awareness among the students. At the time of admission, students have to submit a self-declaration on an indemnity bond paper indicating not to indulge in ragging. A vigilance committee is also constituted at the college level, which frequently visit the hostels and campus, particularly where the first-year students are accommodated and taking classes. The anti-ragging cell works in coordination with vigilance committee to make sure that newly admitted students are made aware about ill-effects and punishments of ragging. It is due to the immense curb on ragging placed at the college that the campus is ragging free since its inception in 2007.

6.5.1.5. Biological waste disposal facility

The college is having no radioactive wastes. The college is not generating any microbiological waste. The coarse biological wastes like crop residues are turned down in the soil for decomposing and manuring and other collected biological waste are properly disposed of by decomposing in pits especially prepared for the purpose. The permanent sick plots for screening of fungi are fixed at the outskirts boundary of the institute. The inoculum load is being monitored regularly. The seeds and crop residue produced out of these sick plots are destroyed by in-situ plough down. There is a well-placed mechanism for disposal of farm and lab waste produced and/or generated at college during conducting practical's, maintenance, and cleaning operations at the college. Compost pits are available in the college premises for disposing organic biological waste and subsequent composting. A well-placed sanitation work and disposal mechanism is in operation regularly for maintaining the cleanliness of the college premises and campus. Biological waste disposal committee has been constituted at the college that manages scientific disposal of biological waste generated at the college. The committee is composed of one senior faculty as convener and three faculty as members.

Details of Biological waste disposal committee

S.No.	Name and Designation	Status	Reference
1.	Dr. M. K. Sharma, Professor (Horticulture)	Convener	No.F./Esstt./ACL/2021/749A Dated: 04.02.2021
2.	Dr. Uadal Singh, Associate Professor (Horticulture)	Member	
3.	Dr. B. L. Meena, Assistant Professor (Agronomy)	Member	
4.	Dr. Prerna Dogra, Assistant Professor (Soil Science & Agril. Chemistry)	Member	

6.5.1.6. Institutional Ethics Committee for Experiment on Animals:

The college primarily belongs to plant sciences and presently no animal is being reared for experimental purposes. Clinical experiments on animals are not conducted at the college. Presently for teaching and practical purpose the college utilizes livestock facilities of KVK, Dausa. Students participate in animal camps being conducted by KVK and visit the district veterinary hospital as per needs of practical curriculum. The college is planning to build its own animal facilities in near future.

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

College of Agriculture, Lalsot strictly adheres for prevention, prohibition and redressal of sexual harassment of women at work places as per Prevention, Prohibition and Redressal Act, 2013 and therefore a Committee has been constituted at the college level to cater awareness on gender equality issues and to enable women to pursue their work with dignity and reassurance at the college. No case of sexual harassment has been registered in the college till date.

Table 9: Details of Committee for Prevention of Sexual Harassment of women

S.No.	Name and Designation	Status	Reference
1.	Dr. S. S. Yadav (Dean)	Chairman	No.F./Esstt. /ACL/2021/468-A Dated: 19-01-2021
2.	Dr. M. K. Sharma, Professor (Horticulture)	Member	
3.	Dr. Prerna Dogra, Assistant Professor (Soil Science & Agril. Chemistry)	Member	
4.	Dr. Omprakash, Assistant Professor (Genetics & Plant Breeding)	Member	

6.5.2. Faculty

6.5.2.1: Faculty Strength

The concept of core faculty exists in the college. The sanctioned strength of the faculty at the college is 01 Professor, 03 Associate Professors and 12 Assistant Professors whereas the filled-up position against these are 03, 02 and 07 respectively. As the college is a constituent undergraduate college; therefore, the faculty is treated as core faculty on the basis one's specialization and contribution in a particular field instead of department wise categorization. The faculty is recruited on national level through selection process as per the recruitment guidelines of ICAR/UGC.

Table 4: Faculty positions at College of Agriculture, Lalsot:

S.N o.	Faculty Positions	Sanctioned	Filled	Available From other units of the university	Total Availability	Faculty as per ICAR norms
1.	Professor	01	03	01	04	03
2.	Associate Pro-	03	02	01	03	08

	Professor					
3.	Assistant Professor	12	07	02	09	34
4.	Contractual/ Guest Faculty	Retired Professors, experienced Guest Faculty and Teaching Staff of Rajasthan Agricultural Research Institute, Durgapura, Jaipur are engaged for teaching				
Total		16	12		16	45

The proposal has been submitted to sanction faculty as per norms of ICAR. The university has been regularly arranging course wise faculty from other units of the University every year. Whenever deficiencies arise, the faculty from other units of the university is taken as subject expert. The retired professors, experienced guest faculty etc. are being arranged for teaching. The teaching and non-teaching staff of Rajasthan Agricultural Research Institute, Durgapura, Jaipur is contributing for academic and administrative work as and when needed (**Annexure I & II**). The courses offered during the academic sessions (academic year and course wise) are furnished as below:

Information About Teaching Arrangement at COA, Lalsot from the academic session 2016-17 to 2020-21

January to June 2020			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Sh. Manoj Meena
2	CPHYS-121	Fundamentals of Crop Physiology	Out sourcing/ Guest Faculty
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Dr. R. K. Meena
5	AGECON-121	Fundamentals of Agricultural Economics	Dr. R.C. Asiwai
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing/ Guest Faculty
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Dr. Y.K. Sharma
8	SSAC-121 [@]	Agricultural Microbiology	Sh. Ravi ku. Meena+ Dr. M.L. Meena
9	CSPD-121 [©]	Communication Skills & Personality Development	Dr. Y.K. Sharma
10	AGRON-121	Introductory Agro-Meteorology & Climate Change	Dr. B. L. Meena
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa/Sh. Ravi Kumar Meena

12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-221	Crop Production Technology –II (Rabi Crops)	Dr. B.L. Meena
2	GPB-221	Principles of Seed Technology	Sh. Omprakash
3	AGRON-222	Farming System & Sustainable Agriculture	Dr. B.L. Meena
4	SSAC-221	Problematic soils & Their Management	Sh. Ravi ku. Meena
5	ENTO-221	Insect Ecology & Principles of Integrated Pest Management	Dr. R. K. Meena
6	ENTO-222	Bio-pesticides & Bio-fertilizers	Dr. R. K. Meena
7	HORT-221	Production Technology for Ornamental Crops, MAP and Landscaping	Dr. S.K. Bairwa
8	AGECON-221	Agricultural Marketing Trade and Prices	Dr. R.C. Asiwali
9	AGENGG-221	Renewable Energy & Green Technology	Out sourcing/ Guest Faculty
10	HORT-222	Production Technology for Fruit & Plantation Crops	Dr. S.K. Bairwa
11	NSS/NCC/PEYP	National Service Scheme/Physical Edu. & Yoga Practices	Dr. S.K. Bairwa/Sh. Ravi Kumar Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-321	Rainfed Agriculture & watershed management	Dr. B.L. Meena
2	AGENGG-321	Protected Cultivation and Secondary Agriculture	Out sourcing/ Guest Faculty
3	PPATH-321	Disease of field and Horticultural Crops and their management-II	Dr. M. L. Meena
4	HORT-321	Post-harvest Management and Value Addition of fruits and vegetables	Dr. Uadal Singh
5	ENTO-321	Management of Beneficial Insects	Dr. R. K. Meena
6	GPB-321	Crop Improvement-II (<i>Rabi Crops</i>)	Sh. Omprakash
7	AGRON-322	Practical Crop Production-II (<i>Rabi Crops</i>)	Dr. B.L. Meena
8	AGRON-323	Principles of Organic Farming	Dr. B.L. Meena
9	AGECON-321	Farm management, Production & Resource Economics	Dr. R.C. Asiwali
10	HORT-322	Principles of Food Science and Nutrition	Dr. Uadal Singh
11	GPB-322	Micro-Propagation Technology (Elective Course)	Sh. Manoj Meena
12	Advisory		Advisors

@= should be shared between Soil Science and Plant Pathology ©= Common Course

July to December, 2019			
B.Sc. (Hons.) Ag. Pt-II:			
1	HORT-111	Fundamentals of Horticulture	Dr.U.Singh
2	BIOCHEM111	Fundamentals of Plant Biochemistry and Biotechnology	Guest faculty
3	SSAC-111	Fundamentals of Soil Science	Sh. Ravi Kumar Meena
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	GF
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena
7	IB-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing
8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Sh. R.K. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr.Y.K.Sharma
10	HVE-111	Human values & Ethics (non gradial) (Ext. Edcu.)	Dr.Y.K.Sharma
11	NSS/NSO	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa/Sh. R. K. Meena
12	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-211	Crop production technology-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
2	GPB-211	Fundamentals of Plant Breeding	Sh. Manoj Meena/ Sh. Omprakash
3	AGRINFO-211	Agricultural Finance and Cooperation	Guest faculty
4	STAT-211	Agricultural Informatics	Guest faculty
5	ESDM-211	Farm Machinery and Power	Dr. R.K. Meena
6	HORT-211	Production technology for Vegetables and Spices	Dr. Uadal Singh
7	AGECON-211	Environmental Studies and Disaster Management	Dr.R.C. Asiwai
8	AGENGG-211	Statistical Methods-211	Guest faculty
9	ANISC-211	Livestock and Poultry Management	Guest Faculty
10	NSS/NSO	NSS**	Dr.S K Bairwa/Sh.R. K. Meena
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			

1	SSAC-311	Epidemiology and Integrated Disease Management	Sh. Ravi Kumar Meena
2	AGRON-311	Manures, Fertilizers and Soil Fertility Management	Dr. B. L. Meena
3	ENTO-311	Pests of Crops and Stored Grains and their Management	Dr. R.K. Meena
4	GPB-311	Diseases of Field and Horticultural Crops and Their Management-I	Sh. Omprakash/ Sh. Manoj Meena
5	PPATH-312	Crop Improvement-I (<i>Kharif</i> Crops)	Dr. M. L. Meena
6	EDBC-311	Entrepreneurship Development and Business Communication	Dr. Y. K. Sharma
7	PPATH-311	Geoinformatics and Nano-Technology and Precision farming	Dr. M.L. Meena
8	AGRON-312	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
9	GPB-312	Intellectual Property Rights	Sh. Manoj Meena
10	HORT-311	Landscaping (Elective Course)	Dr. S. K. Bairwa
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-IV Group-I			
1	PBG-4411	Advanced seed technology	Sh. Omprakash
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Sh. Ravi Kumar Meena
4	SOILS-4412	Soil, plant and water analysis	Sh. Ravi Kumar Meena
5	SOILS-4413	Plant growth regulators in agriculture	Sh. Ravi Kumar Meena
6	LPM-4411	Dairy cattle production	Guest Faculty
B.Sc. (Hons.) Ag. Pt-IV Group-II			
1	ENTO-4412	Bio-control agents and bio-pesticides	Dr. R.K. Meena
2	SOILS 4411	Vermi-composting and organic farming	Sh. Ravi Kumar Meena
3	PBG-4412	Tissue culture and micro propagation techniques	Sh. Manoj Meena
4	HORT-4411	Nursery management of horticultural crops	Dr.U.Singh, S K Bairwa
5	HORT-4412	Commercial vegetable production	Dr.S.K.Bairwa
6	HORT-4413	Commercial fruit production	Dr.U.Singh

*shall be offered from I to IVth semester and evaluation will be reported at the end of IVth sem.

January to June 2019			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Dr. S.K. Jain/ Sh.Manoj Meena
2	CPHYS-121	Fundamentals of Crop Physiology	Out sourcing/ Guest Faculty
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Guest Faculty /Out sourcing
5	AGECON-121	Fundamentals of Agricultural Economics	Dr. R.C. Asiwai
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing/ Guest Faculty
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Dr. Y.K. Sharma
8	SSAC-121 [@]	Agricultural Microbiology	Sh. Ravi ku. Meena+ Dr. M.L. Meena
9	CSPD-121 [©]	Communication Skills & Personality De- velopment	Dr. Y.K. Sharma
10	AGRON-121	Introductory Agro-Meteorology & Cli- mate Change	Sh. R K MEENA
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa/R.K. Meena
12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-221	Crop Production Technology –II (Rabi Crops)	Dr. B.L. Meena
2	GPB-221	Principles of Seed Technology	Dr. S.K. Jain/ Sh.Manoj Meena
3	AGRON-222	Farming System & Sustainable Agricul- ture	Sh. R.K. Meena
4	SSAC-221	Problematic soils & Their Management	Sh. Ravi ku. Meena
5	ENTO-221	Insect Ecology & Principles of Integrated Pest Management	Guest Faculty/Out Sourcing
6	ENTO-222	Bio-pesticides & Bio-fertilizers	Guest Faculty + Sh. Ravi ku. Meena
7	HORT-221	Production Technology for Ornamental Crops, MAP and Landscaping	Dr. S.K. Bairwa
8	AGECON-221	Agricultural Marketing Trade and Prices	Dr. R.C. Asiwai
9	AGENGG-221	Renewable Energy & Green Technology	GF/out sourcing
10	HORT-222	Production Technology for Fruit & Plan-	Dr. S.K. Bairwa

		tation Crops	
11	NSS/NCC/PEYP	National Service Scheme/Physical Edu. & Yoga Practices	Dr. S.K. Bairwa/R.K. Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-4321	Practical Crop Production II (Rabi crops)	Sh. R. K. Meena
2	PBG-4321	Principles of Seed Technology	Sh Omprakash
3	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr. Y.K. Sharma
4	LPM-4321	Livestock Production & Management	Guest Faculty
5	ENVS-4321*	Environmental Science	Dr. KK Sharma+ Guest faculty
6	AGRON-4322	Farming Systems, Sustainable Agriculture & Organic Farming	Dr. B.L. Meena
7	HORT-4321	Post-Harvest Management & Value Addition of Fruits & Vegetable Crops	Dr. Uadal Singh
8	PPATH-4321	Diseases of Horticultural Crops & Their Management	Dr. M.L. Meena
9	AECON-4321	Fundamentals of Agricultural Business Management	Dr. R.C. Asiwai
10	Advisory		Advisors

@= should be shared between Soil Science and Plant Pathology

©= Common Course

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hours=18 (0+18)

July to December, 2018			
B.Sc. (Hons.) Ag. Pt-I:			
1	HORT-111	Fundamentals of Horticulture	Dr. U. Singh
2	BIOCHEM111	Fundamentals of Plant Biochemistry and Biotechnology	Guest faculty
3	SSAC-111	Fundamentals of Soil Science	Dr. S.S. Sharma
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	GF
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena
7	BIO-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing
8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Sh. R.K. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr. Y.K. Sharma

10	HVE-111	Human values & Ethics (Non-gradial) (Ext. Edcu.)	Dr.Y.K.Sharma
11	NSS	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa/Dr. R. K. Meena
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-211	Crop production technology-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
2	GPB-211	Fundamentals of Plant Breeding	Dr. S.K. Jain
3	AGRINFO-211*	Agricultural Informatics	Guest faculty
4	STAT-211	Statistical Methods-211	Guest faculty
5	ESDM-211 [©]	Environmental Studies and Disaster Management	Guest faculty
6	HORT-211	Production technology for Vegetables and Spices	Dr. Uadal Singh
7	AECON-211 [©]	Agricultural Finance and Cooperation	Dr.R.C. Asiwai
8	AENGG-211	Farm Machinery and Power	Guest faculty
9	ANISC-211	Livestock and Poultry Management	Guest Faculty
10	NSS/NSO	NSS**	Dr.S K Bairwa/Dr. R. K. Meena
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Sh. Manoj Meena
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Dr.S.K. Jain & Sh. Omprakash
5	AECON-4311	Agricultural marketing, trade and prices	Dr.R.C. Asiwai
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	Sh. R.K. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr.S.K.Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV Group-I			
1	PBG-4411	Advanced seed technology	Sh. Omprakash
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr. S.S. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma &Dr.S.S. Sharma
6	LPM-4411	Dairy cattle production	Guest Faculty
B.Sc. (Hons.) Ag. Pt-IV Group-II			

1	ENTO-4412	Bio-control agents and bio-pesticides	Guest Faculty
2	SOILS 4411	Vermi-composting and organic farming	Dr.S.S. Sharma
3	PBG-4412	Tissue culture and micro propagation techniques	Sh. Manoj Meena
4	HORT-4411	Nursery management of horticultural crops	Dr.U.Singh, S K Bairwa
5	HORT-4412	Commercial vegetable production	Dr.S.K.Bairwa
6	HORT-4413	Commercial fruit production	Dr.U.Singh
7	Advisory		Advisors

January to June 2018			
B.Sc. (Hons.) Ag. Pt-I:			
1	GPB-121	Fundamentals of Genetics	Dr.R K Kamboj
2	CPHYS-121	Fundamentals of Crop Physiology	out sourcing
3	PPATH-121	Fundamentals of Plant Pathology	Dr. M.L. Meena
4	ENTO-121	Fundamentals of Entomology	Guest Faculty /Out sourcing
5	AGECON-121	Fundamentals of Agricultural Economics	Out sourcing
6	AGENGG-121	Introductory Soil & Water Conservation Engineering	Out sourcing
7	EXCOM-121	Fundamentals of Agricultural Extension Education	Out Sourcing /Dr B Degwal
8	SSAC-121 [@]	Agricultural Microbiology	KKS+MLM
9	CSPD-121 [©]	Communication Skills & Personality Development	Out Sourcing /Dr B Degwal
10	AGRON-121	Introductory Agro-Meteorology & Climate Change	Sh. R K MEENA
11	NSS/NCC/PEYP	National Service Scheme/physical Edu. & Yoga Practices	Dr. S.K. Bairwa
12	Advisory		Advisers
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON-4221	Field Crops- II (<i>Rabi</i>)	Dr. B.L. Meena
2	AGRON-4222	Water Management	Sh. R.K. Meena
3	SOILS-4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K.K. Sharma
4	ENTO-4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Guest Faculty
5	HORT-4221	Production Technology of Vegetables and Flowers	Dr. S.K. Bairwa
6	AECON-4221	Agricultural Finance and Co-operation	Out sourcing
7	PPHYS-4221	Crop Physiology	GF/out sourcing
8	EXTED-4221	Entrepreneurship Development and Communication Skills	Dr.BabitaDigwal
9	NSNC-4221	NCC/NSS	Dr. S.K. Bairwa

10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON-4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B.L. Meena
2	PBG-4321	Principles of Seed Technology	Dr. R.K. Kamboj/GF
3	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr. Babita Digwal
4	LPM-4321	Livestock Production and Management	Dr. R.A. Sharma
5	ENV5-4321*	Environmental Science**	KKS, RSS& GF
6	AGRON-4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B.L. Meena
7	HORT-4321	Post-harvest management and value addition of fruits and vegetables	Dr. S.K. Bairwa
8	PPATH-4321	Diseases of Horticultural Crops and their management	Dr. M.L. Meena
9	AECON-4321	Fundamentals of Agri. Business Management	Outsourcing
10	Advisory		Advisors

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hours=18 (0+18)

July to December, 2017			
B.Sc. (Hons.) Ag. Pt-I:			
1	HORT-111	Fundamentals of Horticulture	Dr. S. K. Bairwa
2	BIOCHEM111	Fundamentals of Plant Biochemistry and Biotechnology	Dr. R. S. Saini
3	SSAC-111	Fundamentals of Soil Science	Dr. K.K. Sharma
4	HORT-112	Introduction to Forestry	Dr. S.K. Bairwa
5	ENG-111	Comprehension & Communication skills in English	Outsourcing
6	AGRON-111	Fundamentals of Agronomy	Sh. R.K. Meena
7	BIO-111/ MATHS-111	Introductory Biology*/Elementary Mathematics*	Out sourcing
8	AGHR-111	Agricultural Heritage*(To be taught by dept. of Agronomy)	Dr. B. L. Meena
9	EXCOM-111	Rural Sociology & Educational psychology	Dr. B. Deegwal
10	HVE-111	Human values & Ethics (Non gradial) (<i>Ext. Edcu.</i>)	Dr. B. Deegwal
11	NSS	NSS/NCC/ Physical Education & Yoga Practices**	Dr. S.K. Bairwa
12	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena

3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Dr. B. Deegwal
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Dr. S. K. Bairwa
7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr.S K Bairwa
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Dr. B.L. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Guest faculty
5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	Sh. R.K. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr.S.K.Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr.K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

January to June, 2017

B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4121	Agricultural Meteorology	Sh. R. K. Meena
2	PBG 4121	Principles of Plant Breeding	Dr. R. K. Kamboj/GF
3	PPATH 4121	Plant Pathogens and Principles of Plant Pathology	Dr.M. L. Meena
4	ENTO 4121	Insect Morphology and Systematics	Guest faculty (GF)
5	AGECON 4121	Principles of Agricultural Economics	Outsourcing
6	AENGG 4121	Fundamentals of Soil and Water Conservation Engineering	Outsourcing

7	BIOCH4121	Biochemistry	Dr. R. S. Saini
8	SOILS-4121	Soil Chemistry, Soil Fertility and Nutrient Management	Dr. K. K. Sharma
9	NSNC	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4221	Field Crops- II (<i>Rabi</i>)	Dr. B. L. Meena
2	AGRON 4222	Water Management	Sh. R. K. Meena
3	SOILS- 4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K. K. Sharma
4	ENTO 4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Guest Faculty
5	HORT 4221	Production Technology of Vegetables and Flowers	Dr. S. K. Bairwa
6	AGECON 4221	Agricultural Finance and Co-operation	Outsourcing
7	PPHYS 4221	Crop Physiology	Guest faculty (GF)
8	EXTED-4221	Entrepreneurship Development and Communication Skills	Guest faculty (GF)
9	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON 4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B. L. Meena
2	AGRON 4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B. L. Meena
3	PBG 4321	Principles of Seed Technology	Dr. R. K. Kamboj/GF
4	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Guest Faculty
5	LPM 4321	Livestock Production and Management	Guest Faculty
6	ENVS 4321	Environmental Science**	KKS, RSS & GF
7	HORT 4321	Post-harvest management and value addition of fruits and vegetables	Dr.S. K. Bairwa
8	PPATH 4321	Diseases of Horticultural Crops and their management	Dr. M. L. Meena
9	AGECON 4321	Fundamentals of Agri. Business Management	Outsourcing
10	Advisory		Advisors

*Shall be shared between Biochemistry, Entomology and Soil Science

B. Sc. (Hons.) Ag. Part-IV:

RAWE-4412 Programme for B. Sc. (Hons.) Ag. Part-IV. Sem-II, 2016-17,

Credit Hours 18 (0+18)

July to December, 2016			
B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4111	Introductory Agriculture and Principles of Agronomy	Sh. R. K. Meena
2	PBG 4111	Principles of Genetics	Guest Faculty
3	SOILS- 4111	Introduction to Soil Science	Dr. K. K. Sharma
4	EXTED 4111	Dimensions of Agricultural Extension	Guest Faculty
5	PPATH 4111	Agricultural Microbiology	Dr. M. L. Meena
6	COMP 4111	Introduction to Computer Applications	Outsourcing

7	MATHS 4111	Elementary Mathematics	Outsourcing
8	ENG 4111	Comprehensive and Communication Skills in English	Outsourcing
9	NSNC 4221	NCC/NSS/ Physical Education	Dr. K. K. Sharma
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena
3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Guest faculty
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Dr. S. K. Bairwa
7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural Crops	Guest faculty
5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Guest Faculty
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	B. L. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Dr. S. K. Bairwa
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr. K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

January to June, 2016			
B.Sc. (Hons.) Ag. Pt-I:			
1	AGRON 4121	Agricultural Meteorology	Dr. Rani Saxena
2	PBG 4121	Principles of Plant Breeding	Dr. L. D. Sharma
3	PPATH 4121	Plant Pathogens and Principles of Plant Pathology	Dr.M. L. Meena
4	ENTO 4121	Insect Morphology and Systematics	Dr. S. R. Dhaka
5	AGECON 4121	Principles of Agricultural Economics	Outsourcing
6	AENGG 4121	Fundamentals of Soil and Water Conservation Engineering	Dr. Upendra Singh
7	BIOCH 4121	Biochemistry	Dr. R. S. Saini
8	SOILS-4121	Soil Chemistry, Soil Fertility and Nutrient Management	Dr. K. K. Sharma
9	NSNC	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4221	Field Crops- II (<i>Rabi</i>)	Dr. B. L. Meena
2	AGRON 4222	Water Management	Dr. B. L. Meena
3	SOILS- 4221	Soil survey, Land Use Planning and Remote Sensing	Dr. K. K. Sharma
4	ENTO 4221	Insect Ecology and Integrated Pest Management including Beneficial Insects	Dr. S. K. Khinchi
5	HORT 4221	Production Technology of Vegetables and Flowers	Dr. S. K. Bairwa
6	AGECON 4221	Agricultural Finance and Co-operation	Outsourcing
7	PPHYS 4221	Crop Physiology	Dr. Sunita Gupta
8	EXTED 4221	Entrepreneurship Development and Communication Skills	Dr. R. N. Sharma
9	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
10	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	AGRON 4321	Practical Crop Production –II (<i>Rabi</i>)	Dr. B. L Meena
2	AGRON 4322	Farming Systems, Sustainable Agriculture and Organic Farming	Dr. B. L. Meena
3	PBG 4321	Principles of Seed Technology	Guest faculty
4	EXTED-4321	Extension Methodologies for Transfer of Agricultural Technology	Dr.BabitaDeegwal
5	LPM 4321	Livestock Production and Management	Dr. R. A. Sharma
6	ENVS 4321	Environmental Science**	KKS, RSS & GF
7	HORT 4321	Post-harvest management and value addition of fruits and vegetables	Dr.S. K. Bairwa
8	PPATH 4321	Diseases of Horticultural Crops and their management	Dr. M. L. Meena
9	AGECON 4321	Fundamentals of Agri. Business Man-	Outsourcing

		agement	
10	Advisory		Advisors

B. Sc. (Hons.) Ag. Part-IV

RAWE-4421 Programme for B. Sc. (Hons.) Ag. Part-IV Sem-II, 2015-16 Credit Hrs=18 (0+18)

July to December, 2015			
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4111	Introductory Agriculture and Principles of Agronomy	Sh. R. K. Meena
2	PBG 4111	Principles of Genetics	Guest Faculty
3	SOILS- 4111	Introduction to Soil Science	Dr. K. K. Sharma
4	EXTED 4111	Dimensions of Agricultural Extension	Dr. Y. K. Sharma
5	PPATH 4111	Agricultural Microbiology	Dr. M. L. Meena
6	COMP 4111	Introduction to Computer Applications	Outsourcing/GF
7	MATHS 4111	Elementary Mathematics	Outsourcing/GF
8	ENG 4111	Comprehensive and Communication Skills in English	Outsourcing/GF
9	NSNC 4221	NCC/NSS/ Physical Education	Dr. K. K. Sharma
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-II:			
1	AGRON 4211	Field Crops-I (Kharif)	Dr. B.L. Meena
2	AGRON 4212	Weed Management	Sh. R. K. Meena
3	NEMAT 4211	Introductory Nematology	Guest faculty
4	STAT-4211	Statistics	Guest faculty
5	EXTED-4211	Fundamentals of Rural Sociology and Educational Psychology	Dr. Y. K. Sharma
6	HORT-4211	Production Technology of Fruits and Plantation Crops	Guest Faculty
7	AGECON 4211	Production Economics and Farm Management	Guest faculty
8	AENGG 4211	Farm Power and Machinery	Guest faculty
9	SOILS-4211	Manures and Fertilizers	Dr. K. K. Sharma
10	NSNC-4211	NCC/NSS	Dr. K. K. Sharma
11	Advisory		Advisor
B.Sc. (Hons.) Ag. Pt-III:			
1	BT-4311	Principles of Plant Biotechnology	Guest Faculty
2	AGRON-4311	Practical Crop Production-I (<i>Kharif</i> Crops)	Sh. R. K. Meena
3	ENTO-4311	Crop and stored grain pests and their management	Guest faculty
4	PBG-4311	Breeding of Field and Horticultural	Guest faculty

		Crops	
5	AECON-4311	Agricultural marketing, trade and prices	Guest faculty
6	AENGG-4311	Protected cultivation and post-harvest technology	Dr. S. K. Bairwa
7	PPATH-4311	Diseases of Field Crops and their management	Dr. M.L. Meena
8	AGRON-4312	Rainfed Farming	B. L. Meena
9	HORT-4311	Production technology of Spices, Aromatic and Medicinal crops	Guest Faculty
10	Advisory		Advisors
B.Sc. (Hons.) Ag. Pt-IV			
1	PBG-4411	Advanced seed technology	Guest faculty
2	AGRON-4411	Applied weed management	Dr. B.L. Meena
3	SOILS-4411	Vermi-composting and organic farming	Dr. K. K. Sharma
4	SOILS-4412	Soil, plant and water analysis	Dr. K.K. Sharma
5	SOILS-4413	Plant growth regulators in agriculture	Dr.K.K. Sharma
6	LPM-4411	Dairy cattle production	Dr. R. A. Sharma
7	Advisory		Advisor

6.5.2.2. Faculty Profile (department wise)

S. No.	Name of Faculty	Post held
1. Agronomy		
i.	Dr. S. S. Yadav	Professor & Dean
ii.	Dr. B. L. Meena	Assistant Professor
iii.	Sh. R. K. Meena	Assistant Professor
2. Horticulture		
i.	Dr. M. K. Sharma	Professor
ii.	Dr. Uadal Singh	Assoc. Professor
3. Genetics and Plant Breeding		
	Dr. Omprakash	Assistant Professor
4. Plant Pathology		
	Dr. M. L. Meena	Associate Professor
5. Soil Science		
	Dr. Prerna Dogra	Assistant Professor
6. Agril. Economics		
	Dr. Ramesh Chand Asiwal	Assistant Professor
7. Agricultural Entomology		
	Dr. Jugal Kishor Bana	Assistant Professor
8. Ext. Education		
	Dr. Y. K. Sharma	Assistant Professor
9. Live Stock Production		
	Dr. R. A. Sharma	Professor

6.5.2.3. Credentials of the Faculty

Name & Designation	: Dr. S. S. Yadav, Professor of Agronomy & Dean								
Highest Qualification	: Ph.D.								
Work Experience	: 24 years								
Professional licensure & Certification	: Accredited for Post Graduate and Ph.D. Teaching & Guiding								
Honors & Award	: -								
Other achievements	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks	
	48	-	02	03	16	07	-	50	
Name & Designation	: Dr. M. K. Sharma, Professor of Horticulture								
Highest Qualification	: Ph.D.								
Work Experience	: 24 years								
Professional licensure & Certification	: Accredited for Post Graduate and Ph.D. Teaching & Guiding								
Honors & Award	: i. Awarded ICAR Senior Research Fellowship during Ph. D. Horticulture ii. Awarded University Merit Scholarship during M. Sc. (Ag.) Horticulture. iii. University Gold Medalist in M. Sc. (Ag.) Horticulture.								
Other achievements	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks	
	30	-	02	01	20	-	-	50	
Name & Designation	: Dr. R. A. Sharma. Professor (LPM)								
Highest Qualification	: Ph.D.								
Work Experience	: 24 years								
Professional licensure & Certification	:								
Honors & Award	: -								

Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
Name & Designation	:	Dr. M. L. Meena, Associate Professor (Plant Pathology)							
Highest Qualification	:	Ph.D.							
Work Experience	:	24 years							
Professional licensure & Certification	:	-							
Honors & Award	:	-							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		20	-	-	Books-01	35	-	15	07
Name & Designation	:	Dr. Uadal Singh, Associate Professor (Horticulture)							
Highest Qualification	:	Ph.D.							
Work Experience	:	12 years							
Professional licensure & Certification	:	Accredited for Post Graduate Teaching & Guiding							
Honors & Award	:	i. Awarded ICAR-Junior Research Fellowship during M.Sc. in Horticulture ii. Awarded IARI Institute Fellowship during Ph.D. in Horticulture. (August 2004 to March 2005) iii. Awarded Rajiv Gandhi National Fellowship (RGNF) by UGC during Ph.D. in Horticulture. (April 2004 to December 2008). iv. Awarded Excellence in reviewing of Current Journal of Applied Science & Technology (2020) v. Acknowledges and Honour as Valued Associate Editor in International Journal of Agriculture science (October,2020)							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		25	-	-	Books-7 Book chapters-3	5	-	-	-
Name & Designation	:	Dr. B. L. Meena, Assistant Professor (Agronomy)							
Highest Qualification	:	Ph. D							

Work Experience	:	9 Years							
Professional licensure & Certification	:	Accredited for Post Graduate Teaching & Guiding							
Honors & Award	:	i. Awarded Rajiv Gandhi National Fellowship (RGNF) by UGC during Ph.D. in Agronomy ii. Awarded Young Scientist award by Carrier Point University in 2017							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		12	-	-	02	25	03	08	08
Name & Designation	:	Mr. R. K. Meena							
Highest Qualification	:	M. Sc. (Agronomy)							
Work Experience	:	08 years							
Professional licensure & Certification	:	Accredited for post-graduate teaching and guiding							
Honors & Award	:	Rajiv Gandhi national Fellowship (RGNF)							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		2	-	-	-	07	3	2	2
Name & Designation	:	Dr. Y. K. Sharma, Assistant Professor (Extension Education)							
Highest Qualification	:	Ph.D.							
Work Experience	:	03 years							
Professional licensure & Certification	:	-							
Honors & Award	:	i. Best article award entitled "Using plastic mulches and drip irrigation for vegetable garden"							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		07	-	-	-	06	-	-	-
Name & Designation	:	Dr. Ramesh Chand Asiwai, Assistant Professor (Agricultural Economics)							
Highest Qualification	:	Ph.D. (Agricultural Economics)							

Work Experience	:	3 Years (Asstt. Professor)							
Professional licensure & Certification	:	Accredited for post-graduate teaching and guiding							
Honors & Award	:	Rajiv Gandhi national Fellowship (RGNF)							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		10	-	-	-	12	3	-	-
Name & Designation	:	Dr. Prerna Dogra, Assistant Professor (Soil Science & Agricultural Chemistry)							
Highest Qualification	:	Ph.D. (Soil Science & Agricultural Chemistry)							
Work Experience	:	3 Years (Asstt. Professor), 1 year 8 months (Agriculture Research Officer, GOR)							
Professional licensure & Certification	:								
Honors & Award	:	Awarded Merit Certificate (First Rank at University level) during M.Sc (Ag.) Soil Science							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		12	--	1	2	8	3	1	1
Name & Designation	:	Mr. Omprakash							
Highest Qualification	:	M. Sc. (GPB)							
Work Experience	:	2.5 years							
Professional licensure & Certification	:	-							
Honors & Award	:	i. National Talent Scholarship (NTS) ii. Junior Research Fellowship iii. University Grant Commission (UGC) Fellowship iv. Rajiv Gandhi National Fellowship (RGNF) v. Young Scientist Award							
Other achievements	:	Research Papers	Review Papers	Proceeding Papers	Book Chapters	Popular Articles	Manuals	Extension Folders	T.V. & Radio Talks
		13	02	-	05	15	-	-	-
Name & Designation	:	Dr. Jugal Kishor Bana, Assistant Professor (Entomology)							

signation								
Higher Qualification	: Ph.D. (Ag. Entomology)							
Professional licensure & Certification	: -							
Honors & Awards	: <ol style="list-style-type: none"> 1. Received Young Scientist Award in “National Symposium on Sustainable Management of Pests and Diseases in Augmenting Food and Nutritional Security” from 22nd -24th Jan., 2019 at Navsari Agricultural University, Navsari, Gujarat. 2. Received Young Scientist Award in “International Conference on Global Research Initiatives for Sustainable Agriculture & Allied Sciences” (GRISAAS-2018) from 28th -30th Oct., 2018 at RARI, Durgapura, Jaipur, Rajasthan. 							
Other achievements	: Research papers	Review papers	Proceedings papers	Book chapters	Popular articles	Manuals/Booklets	Extension folders	T.V. & Radio Talks
	28	00	15	00	19	02	03	00

6.5.2.4. Technical and Supporting Staff

The details of the technical and supporting staff posts sanctioned, vacant posts and presently working in the college are given below:

S. No.	Post	No. of Post sanctioned	Filled	Vacant position	Remarks
1.	Assistant Registrar	-	01	-	Source of salary from another unit
2.	Asstt. Librarian				
3.	Accountant/AAO-II	01	01	-	ASO is working against the post
4.	Section Officer	-	01	-	Source of salary from another unit
5.	P.A.	01	-	01	
6.	UDC				
7.	LDC	03	01	02	
8.	Lab. Asstt.	04	01	03	
9.	Technical Assistant	03	-	03	
10.	Farm Manager	01	-	01	
11.	Ag. Sup.	03	01	02	
12.	Pump Operator	01	01	-	Working at RARI, Durgapura, Jaipur
13.	Driver	01	-	01	
14.	Lab Attendant	06	-	06	
15.	Farm Worker	02	01	01	
16.	Book Lifter	02	01	01	

17.	Jamadar	01	-	01	
Total		29	09	22	Non-teaching staff of RARI, Durgapura, Jaipur is also deployed as per need of the work

6.5.3. Learning resources

6.5.3.1. College Library (digital)

The library is the basic need of an educational institute. Libraries fulfill the information and knowledge sharing needs of students, faculty, researchers, scientists and trainees in conventional as well as in electronic format. In higher education, the library is not only discharging delivery of scientific, academic and research information but also plays an intrinsic role in the modernization of infrastructure with changing technological ICT devices for adequate delivery of digital based information resources to the ultimate users.

Presently, the library is laden with a variety of books to meet the requirement of the undergraduate students, teaching staff and research scientists of the college. The library of the college is well equipped with all facilities *viz.* internet facilities, text books, daily newspapers, magazines and competitive examinations and reference books. Daily 40-50 students and staff visit the library. It has about 4733 books covering almost all main and allied fields of agriculture science. It regularly subscribes daily newspapers in Hindi and English. The library remains open from 10.00 AM to 5.00 PM on all working days except holidays. The college library is also having 10 computers with internet facility for the benefit of the students. CCTV Cameras are installed in the library as security measures. Exuberant books for competitive examinations of central and state government, banks, ICAR are purchased for library to cater the need of books for the students to prepare for various competitive examinations. The library is situated in an approximate area of 1794 Sq. feet and located in premises of college, which is approachable to the students and easy to access all facilities related to reading.

The library is equipped with high speed internet connectivity of 100mbps which provides easier access of internet to the faculties and students. RFID system in library will also be installed very soon. The facilities of library are availed by students and faculty. The detailed information is as under:

S. No.	Facility	Particulars	Quantity
1.	Wi-Fi	Number of routers	01
2.	Books	All text books	4733
3.	Research Journals	National: Indian Journal of Agricultural Sciences, Indian Journal of Agronomy, Indian Journal of Horticulture, Indian Journal of Mycology and Plant Pathology International: Nil	-

4.	News Papers/National Dailies	English: Times of India Hindi: DainikNavjyoti, Rajasthan Patrika	01 02
5.	Periodicals/Magazines	Indian Farming, Indian Horticulture Pratiyogita Darpan, Shelf Reader Current Affairs, Competition Success Readers Digest	One copy of each
6.	Seating capacity	Reading tables along with chairs	50
7.	Stocking arrangements	The stocking of library is arranged subject wise for easy accessibility	RFID system is being installed very soon
8.	Photocopy machine	For photocopying the study material for students and staff on nominal charges	01
9.	Opening hours	The office working hours are as such available for students as well as faculty for accessing library	10.00AM to 5.00 PM (7 hours daily)



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

Laboratories

The college has well equipped laboratories pertaining to different subjects viz., Agronomy, Soil Science, Plant Pathology, Entomology, Plant Breeding and Genetics, Horticulture, Extension Education and Life Science along with one Computer Lab. The laboratories are well equipped with different types of apparatus and lab-wares for conducting experiments. The laboratory equipment's and chemicals are sufficient to meet out the curricula requirement of B.Sc. (Hons.) Ag. programme as per ICAR guidelines.

Laboratory Facility:

S.No.	Particulars	No.	Instruments/Facilities available
A. Laboratories			
1.	Agronomy	01	Automated weather station, Atomic Absorption Spectrophotometer, E.C. meter, digital pH meter, digital TDS meter, Hot air oven, Digital weighing balance, pH meter, EC meter
2.	Soil Science	01	E.C. meter, digital pH meter, digital TDS meter, BOD incubator, Flame photometer, spectrophotometer, Automatic N analyzer assembly, Flame photometer, weighing balance, Soil auger, Hot air oven, Hot plate, Refrigerator, Mechanical shaker, Weighing balance
3.	Plant Pathology	01	Micro scope, Oven, Refrigerator, Electronic balance, Weighing machine, Micro Pipette, Hot Plate, Automizer, Disease display showcase,
4.	Entomology	01	Insect identification, dissection, mounting and preservation, rearing of bioagents, insecticides and its spraying equipment's, B.O.D incubator, Laminar air flow, Hot air oven, Deep freezer, Vertical autoclave, Microscope, Insect collection box and net, Insect Killing bottle, Insect Charts
5.	Plant Breeding and Genetics	01	Hot air oven, Centrifuge, Digital weighing balance, Autoclave, BOD Incubator, Oven, Laminar cabinet, Centrifuge, Slides (Mitosis & Meiosis), Charts
6.	Horticulture	01	E.C. meter, digital pH meter, digital TDS meter, Hand refractometer, Digital weighing balance, Scatier, pruning shear, Lawn mower, weighing balance, pH meter, EC meter, Refractometer, Gel Meter, Khurpi and Spade, Tractor Mounted Sprayer, Grafting and Budding Knife
7.	Extension Education	01	Television, Camera (HD Video and digital), LCD projector, Computer, Speaker, LED TV
8.	Life Science	01	pH meter, EC meter, Spectrophotometer, Autoclave, BOD Incubator, Oven, Laminar cabinet, Centrifuge, Water Bath, Weighing balance, Refrigerator, Micro Pipette
9.	Computer Lab	01	10 computers with 20 mbps VPN connectivity
B.	Instructional farm	50 ha	Tractor, trolley, multipurpose thresher, disc plough, disc harrow, cultivator, seed-cum-ferti drill, wheel barrow, battery operated knapsack sprayer, drip and sprinkler irrigation systems, tube well, Threshing floor, farm store
C.	Water Harvesting reservoir	01	25 lakh liters run off collection capacity

Practical for all courses are conducted in the laboratories or instructional farms as per the requirements of the respective courses. While conducting the practical, first the students are instructed about the procedures and practices they have to follow, while accomplishing the exercise. Thereafter, they are guided for hands on practice for doing the practical exercise at his/her own to build up confidence in the students for independent accomplishment of the exercise. Hands-on training is being given to the students on *Trichoderma* mass multiplication, *Trichogramma* card preparation, Mushroom cultivation, vermi-composting and *Azolla* preparation, chemical analysis of soil, plant and water samples, budding, grafting, high-tech nursery raising, seed grading, sowing with seed-cum-ferti-drill, calibration of sprayers, tractor driving, water measurements, recording of weather variables, emasculation, selfing, crossing practices in breeding programmes etc.

Agricultural Engineering

Demonstration and exposure are provided to students in courses entitled Farm Machinery and Power, Soil and Water Conservation Engineering etc. Hands on training are provided on various farm implements including parts of tractor, ploughs (Mold bold/Disc), cultivators, levelers, plank, tractor operated digger, harrows, laser leveler, seed drills etc. Irrigation scheduling, measurements of irrigation water flow and working of centrifugal pumps and pressurized irrigation system are practically done by students in research farm of the college. Seed processing with practical knowledge of sieve/screens, graders and conveyers are practically demonstrated in mobile seed processing unit of the college.

Horticulture

Practical Hands on training in horticulture is given with practical exposure on nursery bed preparation, potting, repotting and other application of inputs. First hand practical exposure in different type of propagation methods *i.e.*, budding, cutting, grafting, and layering in different horticultural crops are being imparted to students. Caliper measurement of fruits, scions and measurement of TSS with refractometer in jam and jelly preparation are practically taught to students in their practical classes. Requisite facilities are available at the college for hands on training to the students on preparing jam, jelly, sauce, ketchup, pickles, juice extraction, squash preparation etc. Students are acquainted with botanical and common names of different ornamental and horticultural plants. Protected cultivation in shade net house is available at the premises for practical experience to the students.



Plant breeding and Genetics

The students at COA, Lalsot are provided practical exposure on different aspects of plant breeding and seed production programmes apart from maintaining pure line and breeding methodologies including emasculation and pollination techniques at college farm. Exposure of modern techniques such as micro propagation technology and genetic engineering are being provided with the help of the well-established laboratories of RARI, Durgapura, Jaipur and SKNCOA, Jobner.

Agricultural Economics

The students are practically exposed to the agricultural marketing at the District level by their visit to agriculture market, Mandies, warehouses and farmers field etc. so as to develop the understanding about the functioning of agriculture market and practical problems involved. Students are also involved in survey programme in nearby villages.

Biochemistry

Practical hands on training are provided to the students in their practical classes on nutritional aspects of agricultural produce and their qualitative and quantitative measurements including carbohydrates, proteins, fats etc, stock solutions, standard solutions and reagents used in the laboratory.

Soil Science and Agricultural Chemistry

The college maintains a well-equipped soil science laboratory with facilities to study soil profile, horizons, texture, structure, bulk density, particle density, porosity, EC, pH, organic carbon and soil and plant analysis of different micro and macro nutrients etc. Students also get

hands on training on soil management practices such as vermicomposting, organic farming, fertilizers application and management of problematic soils. Laboratory experiments on water sample analysis for carbonate, bicarbonates, SAR, RSC, Sodium, Potassium, and Sulphate are also conducted as per the part of course curriculum.



Plant Physiology

Practical exercises on preparation of solutions and buffers, demonstration of processes of osmosis, plasmolysis, transpiration, chlorophyll estimation, germination test and seed viability, estimation of seed moisture, measurement of root pressure, evolution of O₂ in photosynthesis, requirement of light and CO₂ in photosynthesis, respiratory quotient, study of plant growth analysis parameters are being practically conducted for the students.

Entomology

Identification and/or collection of insects of economic importance in different crops, vegetables, fruit and ornamental plants and their morphological characteristics are being done by students. Principles and practices for the management of major insect pest with IPM strategies such as light traps, pheromone traps, trap crops are also being imparted to students.



Agronomy

Practical exercises on germination/viability test, measurement of field capacity, bulk density, infiltration rate and quality of irrigation water are important practical exercises performed by the students. Understanding of the weather phenomenon is required for crop production so practical exposure to meteorological instruments such as minimum and maximum temperature, wind speed, wind direction, sunshine hours, rainfall measurement, soil temperature, humidity, evapo-transpiration etc. are being given in practical exercises. A crop cafeteria is also maintained for the students and is developed and maintained by them.



Agriculture Extension

Extension wing of the college in coordination with the KVK, Dausa enables our students to get the requisite exposure with university extension system, farmers training, focus group discussion and practical exercises on preparation of extension literature viz., leaflets, booklet, folder, pamphlets etc. Extension activities performed by the students during RAWE/READY programme also provide an opportunity to the final year students to get first hand exposure of

rural society and farming activity. During the programme students are attached with different KVK's affiliated to the university which are well equipped with instruments and amenities for demonstration, soil analysis, plant clinic, post-harvest technology and mass communication etc.

Plant Pathology

Practical hands on training is being imparted to students for media preparation, identification of microbes, isolation of pathogen from infected plants and control in the field conditions, identification of disease symptoms at college farm and farmers field along with their management are practically taught to students.

In nutshell COA, Lalsot assists in training of its undergraduate students and local farmers in innumerable aspects of farming system in Zone IIIa with a social bottom up approach component.

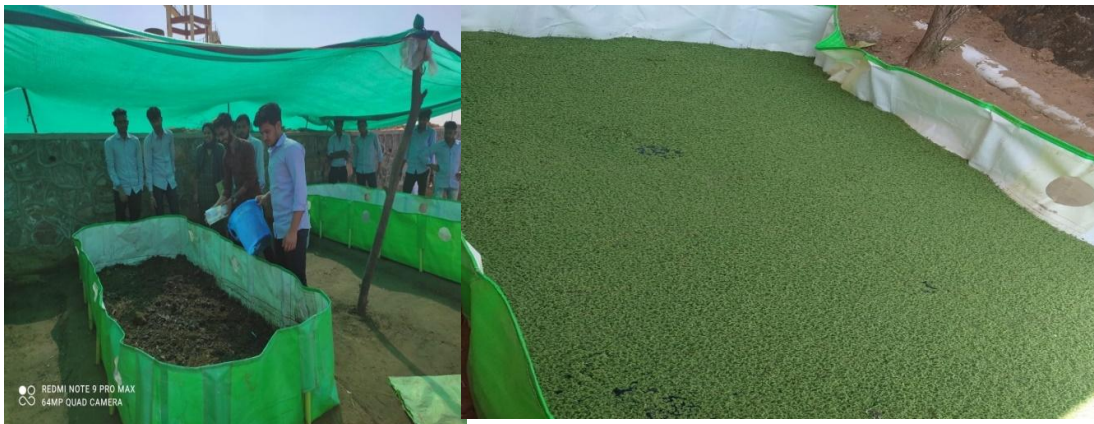


6.5.3.3. Student READY/ In-Plant Training/Internship/Experiential Learning Programmes

Rural Agricultural Work Experience (RAWE) had been a compulsory course offered in VIIIth Semester to students of B.Sc. (Hons.) Ag. degree programme up to the academic year 2019-20 as per IVth Deans committee recommendations. The primary aim of the programme is to understand the practical rural situations, status of agricultural technologies adopted by farmers, prioritize the problems faced by the farmer and to develop skills & attitude of working with the farm families for all-round development in rural area. A separate coordinator *i.e.* RAWE In-charge is appointed who coordinates the programme.

Student READY programme is recommended under Vth Dean's committee recommendations and implemented for first batch started in the academic year 2017-18 and the first batch of 4th year students is running as per 5th Dean's committee guidelines. Under this, students are placed in rural area for 45 days and 12 weeks for In-Plant training in different Agro-based industries.

S. No.	Year	No. of student	Attachments
1.	2016-17	28	KVK, Dholpur
2.	2017-18	49	KVK, Dausa
3.	2018-19	56	KVK, Dausa
4.	2019-20	60	KVK, Dausa
5.	2020-21	56	KVK, Dausa KhatwaKisanJaivik Producer Co. Ltd., Lalsot(Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa)





Three Experiential Learning units viz. Commercial Horticulture, Preparation of Vermicompost, *Azolla* and Liquid organic manures and Mushroom cultivation were allotted to the students of B.Sc(Hons.) Ag. Pt. IVth sem. VIIIth students as depicted in the above photographs. As far as profit sharing mechanism is concerned among the students, this year was the first batch and due to COVID -19 lockdown, profit sharing was not adopted this year and it will be brought in action effectively from subsequent years.

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

The college has developed smart class rooms with latest ICT technologies (multimedia and LCD projectors along with interactive boards) to make the learning more interactive and effective. The faculty members have developed online teaching material and practical manuals for most of the courses. The students are involved in preparing assignments and project works using ICT aids. Internet facility is easily accessible to faculty and students at the college campus. Pedagogy at COA, Lalsot involves use of power point presentation and interactive class room teaching.

The college classrooms are having facilities of multimedia projectors for aid in teaching through presentation of educational videos and photographs. Recently, the college has received grant under NAHEP for the construction of three smart classrooms, and very soon air-conditioned smart classrooms with interactive board will be functional.

6.5.4. Student Development

The College aims at the overall development of the students through their participation in extra- and co-curricular activities to prepare students for their professional life and in streng-

thening personal skills. These activities not only help students to identify themselves with the university, but also assist students desire to develop themselves in relevant field of interest and also help improving their skills such as organizational, presentation, leadership and interpersonal communication. College of agriculture, Lalsot firmly believes in importance of extra and co-curricular activities as an important part of academic curriculum particularly aimed at grooming young minds at the college in line with the educational objectives of our University.





6.5.4.1. Student Intake and Attrition

Year	Intake	Admitted	Retained	Attrition	
				Nos.	%
2016-17	62	60	53	07	11.66
2017-18	62	58	56	02	3.57
2018-19	62	56	53	03	5.35
2019-20	62	62	60	02	3.22
2020-21	64	58	58	0.0	0.0

6.5.4.2. Average Number of Students in Theory and Practical Classes

S. No.	Degree Programme	Batch of theory class	Batch of practical class
01	B.Sc. (Hons.) Ag.	64	32 (A batch) + 32 (B batch)

6.5.4.3. Admission Process

The students are admitted on merit basis through a State level Joint Entrance Test (JET) conducted by one of the State Agriculture Universities of Rajasthan for UG programmes. Payment seats are allocated to Joint Entrance Test (JET) appeared candidates only following the order of merit. Under ICAR quota, 15% of seats are allotted for B.Sc. (Hons.) Agriculture programme by ICAR among the students appeared and get qualified in National Level Test conducted by ICAR, New Delhi.

Particulars of examination	Undergraduate admission
Qualifying Examination	Senior Secondary (10+2) (Agriculture,

	Science and Math's streams)
Entrance Examination	Joint Entrance Test

Fee payment mechanism: The College Fee is paid through online fee payment system via., easypay.icici.com

Registration mechanism: The students have to register themselves after payment of the fees at the beginning of each semester. First year students are registered at college through Joint Examination Test (JET) after their respective counselling. The student section of the college takes care of the registration process of the newly admitted students through JET in 1st semester as well as old students during the beginning of each semester.

Academic schedule: The academic schedule is decided by the Dean & Faculty Chairman, Sri Karan Narendra College of Agriculture, Jobner (Distt. Jaipur) Rajasthan at the beginning of each academic year. All the constituent and affiliated colleges follow this schedule strictly during the entire academic session.

Online attendance: The College duly uses online teaching platform's viz., Zoom, Google meet and WebEx meet in its pedagogy and the faculties takes regular online attendance on these platform's.

6.5.4.4. Conduct of Practical and Hands on Training

Practical for all courses are conducted in the laboratories or instructional farms as per the requirements of the respective courses. While conducting the practical, first the students are instructed about the procedures and practices they have to follow, while accomplishing the exercise. Thereafter, they are guided for hands on practice for doing the practical exercise at his/her own to build up confidence in the students for independent accomplishment of the exercise. Hands-on training is being given to the students on *Trichoderma* mass multiplication, *Trichogramma* card preparation, Mushroom cultivation, vermi-composting and *Azolla* preparation, chemical analysis of soil, plant and water samples, budding, grafting, high-tech nursery raising, seed grading, sowing with seed-cum-ferti-drill, calibration of sprayers, tractor driving, water measurements, recording of weather variables, emasculation, selfing, crossing practices in breeding programmes etc.

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In nutshell COA, Lalsot assists in training of its undergraduate students and local farmers in innumerable aspects of farming system in Zone IIIa with a social bottom up approach component.



6.5.4.5. Examination and Evaluation Process:

College of Agriculture, Lalsot is a constituent college of SKNAU, Jobner. The college has adopted semester system duly approved by Academic Council and Board of Management. Each academic year has two semesters and the courses are distributed as per the recommendation of the 5th Dean's Committee recommendations. The Controller of Examination (COE) of the university (SKNAU, Jobner) has the authority to supervise theory and practical examinations. For practical examinations external examiners are invited from other institutes as per the directions of Controller of Examination. An examination cell has been constituted in the college to conduct theory and practical examinations in each semester.

Table 21: Details of examination cell in college

S.No.	Particulars	Faculty
1.	Examination Superintendent	Dr. S. S. Yadav Dean, College of Agriculture

2.	Assistant Examination Superintendent	Dr. B. L. Meena Assistant Professor (Agronomy)
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The college has a strong room facility for question papers and answer books under the supervision of Dean. The final theory and practical examinations are conducted under strict supervision of invigilators. The examination halls have all the essential amenities for the students during examination. The answer books of the theory examinations are sent to COE, SKNAU, Jobner for further evaluation. After the examination, the question papers are also being issued to Library as ready reckoner to provide guidance to students for better preparations.

The college is following semester system of education as per ICAR norms for under-graduate programmes. According to 5th Dean's committee recommendation's with slight modification the college has adopted the following examinations process in under-graduate programme

S. No.	Examination(s)	Marks distribution	Evaluation System
a) With practical courses			
1.	Final Theory Examination	70.00	External
2.	Final Practical Examination	30.00	External
b) Without practical courses			
1.	Final Theory Examination	100.00	External
c) Only practical courses			
1.	Final Practical Examination	100.00	External

The final year students have to complete RAWE/READY programme which is followed by Experiential Learning, hands on training, skill development, industrial attachment etc.

S. No.	Year	No. of student	Attachments
1.	2016-17	28	KVK, Dholpur
2.	2017-18	49	KVK, Dausa
3.	2018-19	56	KVK, Dausa
4.	2019-20	60	KVK, Dausa

5.	2020-21	56	KVK, Dausa KhatwaKisanJaivik Producer Co. Ltd., Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa), Madan Mohan Grading Pvt. Ltd., RIICO Ind. Area, Didwana, Lalsot (Dausa)
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6.5.4.6. NCC/NSS/NSO Units

The National Service Scheme (NSS) is a Govt. of India sponsored public service program supervised by the Department of Youth Affairs and Sports of the Govt. of India. The scheme is aimed at developing student's personality through community service.

The college is having a functional NSS unit in which students undertakes NSS as a voluntary activity with the maxim of “*Personality Development of Students through Community Service*” and “*Education through Community Service*”. This unit is playing important role in making aware the students about responsibility to the society and making them worthy citizens of the nation. The unit is having strength of 100 volunteers who are regularly contributing in social service activities to maintain cleanliness in and around the educational institute and residential establishments. Awareness programmes through rallies, essay writing, poster making, debate etc. are regularly conducted by the unit for maintaining hygienic conditions for protection and prevention of contagious and infectious diseases. The NSS unit of the college has undertaken various activities as per direction of Director Student Welfare (DSW), SKNAU, Jobner, Regional Directorate NSS, Jaipur, Rajasthan and Ministry of Sport & Games and Youth Affairs, Government of India.

S. No.	Year (s)	Activities and Number	No. of Volunteers
1	2016-17	7 days NSS Special Camp-01 Single days NSS Special camp-03 Yoga days-01	50 117 105
2	2017-18	7 days NSS Special Camp-01 Single days NSS Special camp-03 Yoga days-01	50 118 170
3	2018-19	7 days NSS Special Camp-01 Single days NSS Special camp-05 Yoga days-01	50 99 58

4	2019-20	7 days NSS Special Camp-01 Single days NSS Special camp-06 Yoga days-01	50 100 63
5	2020-21*	7 days NSS Special Camp-00 Single days NSS Special camp-00 Yoga days-01**	00 00

* Camps were not organized due to Covid-19

** Online attended due to Covid-19



Number of Students participated in NCC/NSS/NSO

Year	NCC	NSS	NSO	Total
2016-17	The college is trying for starting NCC in the college	115	50	165
2017-18		116	49	165
2018-19		97	50	147
2019-20		99	50	149
2020-21		58**	-	58

* Final Students ** Current position, first year registration remaining

Different activities undertaken at College of Agriculture, Lalsot under national Service scheme (NSS) during last 5 years

S. No.	Activity	Year
1	Plantation day programme	2016-17
2	Blood donation	
3	Rallies and awareness programme on “BetibaChaoBetipadhao”	
4	Street play-NukadNatak on “Gender discrimination & Drug de-addiction”	
5	Participation in health/immunization programme (pulse polio immunization)	
6	Gender awareness programme	
8	Awareness for “Matadan”	
9	Water conservation programme	

10	Health & hygiene programme	
11	Teachers day celebration	
12	NSS day celebration	
14	Awareness programme on health and nutrition, water harvesting, and saving scheme	
15	International Yoga Day programme	
16	Celebration of Mahatma Gandhi Jayanti	
17	Independence Day celebration	
18	Republic Day Celebration	
1	Celebration of Mahatma Gandhi Jayanti	2017-18
2	Independence Day celebration	
3	International Yoga Day programme	
4	<i>Beti Bachao Beti Padhao</i> programme	
5	Plantation programme	
6	<i>Swachhta he sewahi</i> programme	
7	<i>Swachhta Pakhwada</i>	
8	Cleanliness program	
9	Republic Day Celebration	
10	<i>Swachhta Jagrukta</i> rallies	
11	<i>Matdata diwas</i>	
1	World Environment Day	2018-19
2	Blood donation camp	
3	Awareness Programmes/Rallies/ Campaigns	
4	<i>Shramdan</i>	
5	Self-defense training	
6	Street play-Nukad Natak on “ <i>Gender discrimination & Drug de-addiction</i> ”	
7	Rallies	
8	Celebration International Yoga Day	
9	Mahatma Gandhi Jayanti celebration	
10	Republic Day Celebration	
11	Celebration of Independence Day	
12	Celebration of <i>Swachhata Hi Seva</i>	
13	Celebration of <i>Surgical Strike Day</i>	
14	Orientation Programme of NSS Volunteers	
15	<i>Swachhta Pakhwada</i>	
17	Road safety measures	
18	Self-Defiance camp	
19	<i>Matdata Jagrukata</i>	
20	Plantation day	
21	Awareness about the environment pollution	
22	<i>Swachhta Hi Seva</i>	
1	Plantation day	2019-20
2	Blood donation camp (“ <i>Pahal</i> ” <i>Manav Seva Sansthan</i>)	
3	Vaccination- Rubella programme	

4	Polio vaccination programme	
5	Voters awareness campaign	
6	<i>Shramdhan</i>	
7	Self –defense training	
8	International Yoga Day	
9	<i>Swacatapakwada</i>	
10	Independence Day celebration	
11	<i>PoshanAbhiyaan</i>	
12	Celebration of Mahatma Gandhi Jayanti	
13	National girl child day	
14	Republic day celebration	
15	Awareness about <i>BetiBachaoBetiPadhao</i> through rally	
16	Awareness about the voting and taking oath for vote casting	
17	Constitution day celebration	
18	International volunteer’s day celebration	
19	Awareness Programme COVID-19	
20	NSS day celebration	
21	World No Tobacco day celebration	
22	Voters awareness campaign	
23	Awareness about the environment pollution	
24	“ <i>Ek Bharat Shresth Bharat</i> ” programme	
25	<i>Swachh Bharat Aayan</i>	
26	Self-Defiance camp	
27	<i>Swacchta Hi Seva</i>	
28	Swachh Bharat Summer Internship Programme	
29	International Women’s Day week celebration and workshop	
1	Plantation programme	2020-21
2	International Yoga Day	
3	Independence Day celebration	
4	Celebration of Mahatma Gandhi Jayanti	
5	Constitution day celebration	
6	Agricultural Educational Day Celebration	

NSS activities photographs during last 5 years (2016-17 to 2020-21)



Plantation programme at College Campus



Road Safety Awareness Campaign by NSS Volunteers



Prepare the pit around the plants at Govt. Sec. School, Salempura



Cleaning campaigning near the Bus Stop



Face to face awareness programme at Govt. Sec. School, Salempura Village



Cleaning campaigning the adopted village School



Miss. Kriti Sharma, participation in Pre-Republic Day Camp at CCHAU, Hissar

Number of students participated in NCC/NSS/NSO

Year	NCC	NSS	NSO	Total
2016-17	The college is trying for starting NCC in the college	115	50	165
2017-18		116	49	165
2018-19		97	50	147
2019-20		99	50	149
2020-21		58**	-	58

6.5.4.7. Language Laboratory

Most of the students enrolled at college of Agriculture, Lalsot are from rural background and therefore have difficulty in English language. The university has given the choice to opt for Hindi or English as a medium during the course of study. English has been included as a subject in I year (I semester) of the B.Sc. (Hons.) Ag. degree program and utmost care is being taken to improve English of the students. For developing good command of the language for communication purpose with clarity and accuracy, the college computer laboratory is assisted with audio-visual aids for proficiency in writing and speaking language skills of the students. Computer assisted language laboratory and multimedia hi-tech language laboratory are being used for language teaching in the college. Approximately 10 computers are well connected with Wi-Fi system, which provides easy accessibility to the users.

6.5.4.8. Cultural Center

The cultural activities are part of our academic curriculum and are organized regularly during September-October every year. College organizes various cultural activities for students to enrich their cultural growth. Cultural activities like solo folk dance, solo song, mime, poetry, group folk dance, drama, group song, solo dance, one act play, mehendi, rangoli, poster making, cartooning etc. have been regularly organized for exploring the intellect of students and expose them to the diversity of cultural heritage of different regions of the state as well as country.

These events are screened by the Cultural Screening Committee of college. The winners participate in different Inter-collegiate sports and literary tournaments held at SKNCOA, Jobner. Following activities are regularly organized by the student welfare office and the detail of the participants is given below:

S. No.	Activities	2016-17	2017-18	2018-19	2019-20	2020-21
1.	Yoga and Meditation activities	61	58	65	71	Online celebration
2.	Cultural activities	15	13	17	16	Online celebration
3.	Celebration of constitution day	126	145	177	189	45
4.	Celebrations of Independence and Republic day	147	165	195	205	77



Table 22: Cultural Activities of Last Five Years

Cultural Activities					
S.No.	Activities	Participants	S.No.	Activities	Participants
1.	Solo Dance	17	12.	Mime	-
2.	Group Dance	46	13.	Poetry (Hindi)	06
3.	Solo Song	10	14.	Poetry (English)	-
4.	Group Song	-	15.	Collage Making	10
5.	Mono Acting	03	16.	Cartoon Making	13
6.	Skit	-	17.	Spot Painting	20
7.	Essay (English)	09	18.	Clay Modeling	04
8.	Essay (Hindi)	10	19.	Rangoli Making	19
9.	Debate (English)	15	20.	Poster Making	09
10.	Debate (Hindi)	23	21.	Elocution	16
11.	Extempore	22			

**Celebration of International Yoga Day****6.5.4.9. Personality Development**

Personality development has become an indispensable part for academic growth of youth for exploring the best in their future endeavors. Looking in to their future prospects, personality development programmes along with regular academic activity have been conducted to groom them for group discussions, interview skills, reasoning, personal interviews, quantitative ability, verbal ability, mock tests etc. Guest lectures are also organized for holistic development of the students as detailed below

S. No.	Speaker Name and Address	Topic (s)	Date and Year
1	Dr. Vandana Sharma and Ms. Sonali Sharma, Consultant under IDP-NAHEP Project (Personality Development and Motivation)	Introduction to the courses-PD & M	13 th Jan., 21
2		Concept of Personality	15 th Jan., 21
3		Listening (Communication)	18 th Jan., 21
4		Non-Verbal Communication	20 th Jan., 21
5		Public Speaking	22 nd Jan., 21
6		Motivation	25 th Jan., 21
7		Motivation	27 th Jan., 21
8		Emotional Intelligence & Empathy	29 th Jan., 21
9		Self-Awareness & SWOT	01 st Feb., 21
10		Belief's, Values & Attitude	03 rd Feb., 21
11		Etiquette/Manners	05 th Feb., 21
12		Group Presentation	06 th Feb., 21
13		Career Goal & Time Management	08 th Feb., 21
14		Self-Introduction/Resume making, Personal Interview	10 th Feb., 21
15		Happiness & Well-being	12 th Feb., 21



The glimpses of personality development and motivation at COA, Lalsot campus (SKNAU, Jobner)

6.5.5. Physical facilities:

6.5.5.1. Hostels:

Hostel for Boys

Two boys' hostels viz. Aravali and Vindhya with an accommodation capacity of 64 and 26 students respectively, are available in the campus equipped with all amenities like Mess, RO water, LPG, Water Cooler, Common Room with TV, reading room facilities and outdoor games facilities.



Hostel for girls

A girl's hostel which can accommodate 30 students has been newly constructed and is in the state of handed over very soon. After handing over, the basic amenities will be made available to the students.



6.5.5.2. Examination hall:

The college is presently not having separate examination hall, but very soon it is also going to be constructed in second phase of the academic block for which work orders has been placed to Rajasthan State Road Development and Construction Corporation limited.

The college has 03 large size classrooms with a plinth area of 4500 Sq. ft (1500 Sq. ft each room) along being used for examination also. All the amenities are in place for the students during examination.



PROPOSED MASTER PLAN OF AGRICULTURE COLLEGE AT
LALSOT, DISTT - DAUSA RAJASTHAN

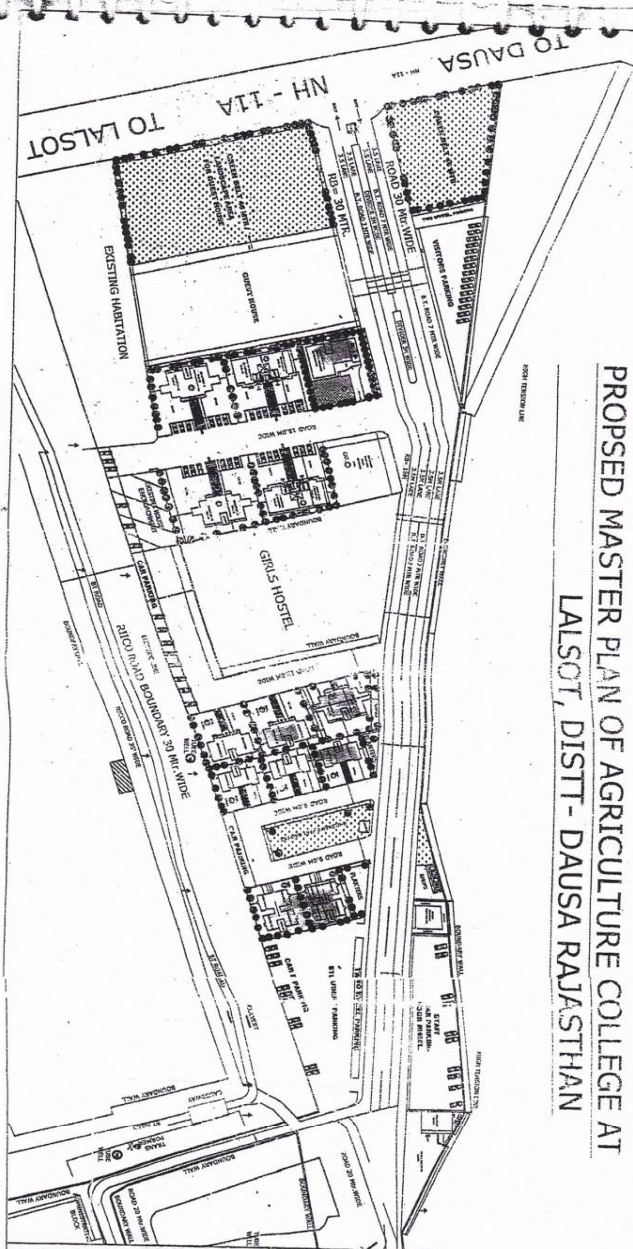


Fig. - MASTER PLAN

DATE	01	1971
SCALE	1/4" = 1'	
DATE	22-11-74	

DESIGNERS:
ARCHITECTURAL MEMBER - CIVILIAN
CONCRETE ARCHITECTS
S-1 & S-2, JIND ALUM. WORKS
JIND, RAJ. INDIA

DESIGNED BY: [Signature]
DRAWN BY: [Signature]

P.S. [Signature]
P.D. [Signature]
Project Director,
R.S.R.D. Office,
Unit - Dausa, Rajasthan
9000000000

6.5.5.3. Sports and Recreation Facilities:

Standard play ground is available for organization of Annual Games & Sports Meet and Inter College Games & Sports Meet at the college. The details of the sports facilities available in the college are as under

S. No.	Games and sports	Equipment and infrastructure available
1.	Volleyball	Volleyball court complete with side poles and net, volleyballs
2.	Football	Football ground of standard size complete with goals, footballs
3.	Badminton	Badminton court complete with side poles and net, rackets and shuttle cocks
4.	Table Tennis	TT Tables complete with net, TT bats and balls
5.	Chess	Chess boards with men
6.	Cricket	Ground, Bats, balls, stumps, batting leg guards and keeping leg guards, thigh and elbow guards, keeping gloves, helmets etc.
7.	Carom	Boards with pebbles, powder
8.	Kabaddi	Kabaddi ground
9.	Athletics	Athletics events are conducted in the playground



6.5.5.4. Auditorium:

Presently the college is not having its own auditorium but construction of Auditorium will be taken up under 2nd phase development plan/construction plan of the college for which work orders has been placed to Rajasthan State Road Development and Construction Corporation limited.

6.5.5.5. Exhibition Hall/ Crop Museum:

Presently the college is not having its own Exhibition Hall/Museum but construction of Exhibition Hall/Museum will be taken up under 2nd phase development plan/construction plan of the college.

Crop Museum is a part of practical in *Kharif* and *Rabi* season where students prepare seed bed and sow the seed of different crops of the season for identification and study of growth and reproduction studies in crop plants.



6.5.6. Research Facilities

Sufficient land area and laboratory facilities are available at the college for conducting research trials on various aspects of agricultural science. College faculties also engaged in guiding PG and Ph. D. students of the university to utilize their expertise. Research projects have also been submitted time to time for funding to be various agencies and some of them are in pipeline.

6.5.6.1. Postgraduate Laboratories and Equipment's: Not applicable

6.5.6.2. Research Contingency: Not applicable

The college has contributed significantly in teaching, research and extension activities since its inception in the year 2007. The scientific advisories are being provided to the farmers of the region along with demonstration of latest varieties and production techniques of different crops in crop cafeteria of the college. The research outcomes have been published in several journals of national and international repute. Faculty is participating actively in communication through print media and other methods for the welfare of the farmers.

- College faculty members are also involved in extension through delivering farmer-oriented lectures by utilizing the facility of crop cafeteria and field demonstration.
- A sizable number of research articles have been published in journals of national and international repute by the faculty members.
- Faculty member are also contributing by dispensing direct scientific advisories for solving problems of the through radio talks from All India Radio, Jaipur
- Expert trainers of horticulture, crop protection, crop production and farm management play an important role in solving farmers problems in their respective fields by giving their valuable advice to agriculture department.

6.5.7.1. Student Performance in National Examinations:

B.Sc. (Hons.) Ag. (2015-16)

S. No.	Name of Student	Subject	Name of University	Admission through (JRF/Non-JRF/State test)
1	Basu Devi Yadav	M.Sc. (Soil Science)	SKNAU, Jobner	State test
		Ph.D. (Soil science)	SKRAU, Bikaner	
2	Bhoopendra Singh Gujar	M.Sc. (Agro.)	Bhagwant University, Ajmer	State test
3	Bhoori Singh	M.Sc. (Horti.)	AU, Kota	State test
4	Bhupendra Singh Jadaun	M.Sc. (Agro.)	Bhagwant University, Ajmer	State test
5	Bindiya Meena	M.Sc. (Ext. Education)	SKNAU, Jobner	State test
6	Daulat Ran	M.Sc. (Soil Science)	SKNAU, Jobner	State test
7	Hasti Ran Meena	M.Sc. (Horti.)	AU, Kota	State test
8	Kamlesh Kr. Meena	M.Sc. (Horti.)	AU, Kota	State test

9	Kiran Choudhary	M.Sc. (Plant Pathology)	SKRAU, Bikaner	State test
10	Omprakash Sharma	M.Sc. (Horti.)	SKRAU, Bikaner	State test
11	Pavan Singh	M.Sc. (Agro.)	BHU, Varanasi, UP	State test
		Ph. D. (Agro.)	GB Pant Uni. Ag. Tech. Pantnagar, UK	
12	Shubham Sanvariya	M.Sc. (Nematology)	SKNAU, Jobner	State test
13	Suresh Kumar Kumawat	M.Sc. (Agro.)	SKNAU, Jobner	State test
14	Surya Prakash Meena	M.Sc. (PBG)	SHUATS, Allahabad, UP	State test

B.Sc. (Hons) Ag. (2016-17)

S. No.	Name of Student	Subject	Name of University	Admission (JRF/Non-JRF/State test)
1	Amit Dhudhwal	M.Sc. (Soil Science)	SKNAU, Jobner	State test
2	Anil Kumar Yadav	M.Sc. (Horti.)	HNBCU, UK	State test
3	Dhanantar Singh Bajiya	M.Sc. (Soil Science)	BU, Jhansi	State test
4	Giriraj Char	M.Sc. (Horti.)	JNKVV, Jabalpur, MP	State test
5	Heera Lal Atal	M. Sc. (Horti.)	MPUAT, Udaipur	Non-JRF
		Ph.D. (Horti.)	BCKV, Kalyani, WB	
6	Hemendra Yadav	M. Sc. (Plant pathology)/	RVSKVV, Gwalior, MP	State test
7	Jaikee Kumar Sevak	M.Sc. (PBG)	JNKVV, Jabalpur, MP	State test
8	Jitendra Bunkar	M.Sc. (Horti.)	AU, Kota	State test
9	Komaltak	M.Sc. (ABM)	RPCAU, Pusa, Bihar	State test
10	Manisha Choudhary	M.Sc. (Soil Science)	SKNAU, Jobner	State test
11	Ram KhiladiBairwa	M.Sc. (Horti.)	DSVV, Haridwar, UK	State test
12	Ramkesh Meena	M.Sc. (Nematology)	MPUAT, Udaipur	State test
13	Sakshi Meena	M.Sc. (Plant Pathology)	MPUAT, Udaipur	State test

14	Sarita Dhaka	M.Sc. (Agro.)	MJRP, Jaipur	State test
15	SheoJat	M.Sc. (Ento.)	JNKV, Jabalpur, MP	State test
16	ShishpalKantwa	M.Sc. (Soil Science)	SHUATS, Allahabad, UP	State test
17	Suresh Choudhary	M.Sc. (Ento.)	SKNAU, Jobner	State test

B.Sc. (Hons) Ag. (2017-18)

S. No.	Name of Student	Subject	Name of University	Admission (JRF/Non-JRF/State test)
1	Amisha Choudhary	M.Sc. (PBG)	MPUAT, Udaipur	State test
2	Arvind Kumar Singh	MBA (Distance MBA)	Meerut, UP	State test
3	AvinashBochalya	M.Sc. (Soil science)	SK Nagar Ag. Univ., Dantiwada, Gujarat	Non-JRF
4	BapulalBhagora	M. Sc. (Plantation)	RVSKVV, Gwalior, MP	State test
5	Bharat Lal Meena	M.Sc. (Agro.)	AU, Kota	State test
6	Giradhari Lal Yadav	M. Sc. (PBG)	SKNAU, Jobner	State test
7	Goatm Chopra	M.Sc. (Ext.)	SHUATS, Allahabad, UP	State test
8	Jhabar Mal Tatarwal	M.Sc. (LPM)	SHUATS, Allahabad, UP	State test
9	KamaleshBairwa	M.Sc. (PBG)	Rajendra Prasad Central Ag. Univ. Bihar	NON-JRF
10	Kanti Lal Kharadi	M.Sc. (Agro.)	MPUAT, Udaipur	State test
11	Krishna Yadav	M.Sc. (Ento.)	MPUAT, Udaipur	State test
12	Kuldeep Singh Shekhawat	M.Sc. (Horti.)	AU, Kota	State test
13	Manmohan Pingoliya	PGDGM	Bhagwant University, Ajmer	State test
14	Naveen	M. Sc. (Ento.)	RVSKVV, Gwalior) MP	State test
15	Pankaj Kumar	M.Sc. (Soil science)	OPAS, Churu	State test
16	Pappu Lal Dalal	M. Sc. (Ento.)	MPUAT, Udaipur	State test
17	Pawan Kumar Yadav	M. Sc. (PBG)	SKNAU, Jobner	State test
18	Pooja Devi Jat	M. Sc. (Soil science)	SKNAU, Jobner	State test
19	Priyanka Kumari Meena	M.Sc. (Plant Pathology)	AU, Kota	State test
20	Rahul Kumar Meena	M.Sc. (Horti.)	BBAU, Central Univ., Lucknow, UP	State test

21	Ram Lakhan Meena	M.Sc. (Horti.)	BBAU, Central Univ., Lucknow, UP	State test
22	Ravina Beniwal	M.Sc. (PBG)	SKRAU, Bikaner	State test
23	Rinku Yadav	M.Sc. (Nematology)	SKNAU, Jobner	State test
24	Sachin	M.Sc. (Ento.)	SHUATS, Allahabad, UP	State test
25	Santosh Kumari	M.Sc. (Agro.)	MJRP, Jaipur	State test
26	Santosh Todawata	M.Sc. (Ag. Eco.)	SKNAU, Jobner	State test
27	Shivam Tiwari	M.Sc. (Eco.)	JNKV, Jabalpur, MP	State test
28	Subhash Kalirawana	M.Sc. (Veg. Sci.)	SHUATS, Allahabad, UP	State test
29	Sundar Lal	M.Sc. (Eco.)	SHUATS, Allahabad, UP	State test

B.Sc. (Hons) Ag. (2018-19)

S. No.	Name of Student	Subject	Name of University	Admission (JRF/Non-JRF/State test)
1	Anita Yadav	M.Sc. (Ag) Soil Science	SKRAU, Bikaner	State test
2	Babu Lal Naga	M.Sc. (Ag). Horti.	Gwalior	State test
3	Harsh Kumar	M.Sc. (Ag) Dairy.	SHUATS, Allahabad, UP	State test
4	Mukesh Kumar Prajapat	M.Sc. (Ag) Horti	JNKVV, Jabalpur, MP	State test
5	Narendra Padra	M.Sc. (Ag). PBG	SHUATS, Allahabad, UP	State test
6	Naveen Mandiwal	M.Sc. (Ag). P. Path.	SHUATS, Allahabad, UP	State test
7	Neeru	M.Sc. (Ag). (Horti.)	SKNAU, Jobner	State test
8	Rohan Sharma	M.Sc. (Ag) P.Path.	JNKVV, Jabalpur	State test

B.Sc. (Hons) Ag. (2019-20)

S. No.	Name of Student	Subject	Name of University	Admission (National/State test)
1	Anil Yadav	PG	MPUAT, Udaipur	State test
2	Deepak Parashar	PG	AU, Kota	State test
3	Devendra Kumar	PG	RLBCAU, Jhansi, UP	Non -JRF

4	Dinesh Sharma	PG	SKRAU, Bikaner	State test
5	Kamal Yadav	PG	RSKVV, Gwalior	State test
6	Kriti Sharma	PG	MPUAT, Udaipur	State test
7	Pinky Yadav	PG	AU, Kota	State test
8	Rajendra Kumar Yadav	PG	RSKVV, Gwalior	State test
9	Sanjay Kumar Bagaria	PG	SKNAU, Jobner	State test
10	Sanjay Yadav	PG	RSKVV, Gwalior	State test
11	Sunil Yadav	PG	JNKVV, Jabalpur	State test
12	Trilok Chand Bagdi	PG	SKNAU, Jobner	State test

6.5.7.2. Students Placement Profile:



Students Placement Cell is working actively at College as well as at University level. The students are regularly motivated through exposure visits of the successful agri- entrepreneurs' visit and organizing special guest/ motivational lectures, job fairs and on campus selection/ interviews by private sector and banks. The year wise placement profile of the students is as under

S. No.	Name of Students	Designation	Organization
Batch 2016			
1	Basu Devi Yadav	Ag. Supervisor	Rajasthan Govt.
2	Bhoori Singh	Ag. Supervisor	Rajasthan Govt.
3	HastiMalMeena	Trainee	NSC, New Delhi
4	Manish Kumar	Ag. Field Officer	Banking Sector
5	Ramveer Meena	Ag. Field Officer	Banking Sector
6	Sanwar Mal Bunkar	Ag. Field Officer	Banking Sector
7	Shubham Sanvariya	Ag. Supervisor	Rajasthan Govt.
8	Surya Prakash Meena	Asstt. Seed Certification Officer	Rajasthan Govt.
Batch 2017			
1	Jitendra Bunkar	Ag. Supervisor	Rajasthan Govt.
2	Mukesh K. Damor	Ag. Supervisor	Rajasthan Govt.
3	Ram KhiladiBairwa	Ag. Supervisor	Rajasthan Govt.
4	Ramkesh Meena	Ag. Supervisor	Rajasthan Govt.
5	Sakshi Meena	AFO	Banking Sector
6	Surabhi Badhaniya	Ag. Supervisor	Rajasthan Govt.
7	Rahul Singh	Manager Dairy	Pvt. Job.
8	Sarita Dhaka	Manager Nursery	Pvt. Job.
Batch 2018			
1	Bhim Singh Yadav	Ag. Supervisor	Rajasthan Govt.
2	Kanti Lal Kharadi	Ag. Supervisor	Rajasthan Govt.
3	Krishna Yadav	Ag. Supervisor	Rajasthan Govt.
4	Pankaj Kumar	Ag. Supervisor	Rajasthan Govt.

5	Pooja Devi Jat	Ag. Supervisor	Rajasthan Govt.
6	Rahul Kumar Meena	Ag. Supervisor	Rajasthan Govt.
7	SarlaJajoriya	Ag. Supervisor	Rajasthan Govt.
Batch 2019			
1	Arvind Kumar Yadav	Ag. Supervisor	Rajasthan Govt.
2	Hansraj Mahawar	Ag. Supervisor	Rajasthan Govt.
3	Heera Lal Meena	Ag. Supervisor	Rajasthan Govt.
4	Shankar Lal Yadav	Ag. Field Officer	Banking Sector
5	Devendra Saini	Manager, Agri-clinic	Pvt. Job.
6	ShimbhuDayal Saini	Manager, Vermi-compost	Pvt. Job.
Batch 2020			
1	Arjun Lal Gurjar	Ag. Supervisor	Rajasthan Govt.
2	Karana Ram	Ag. Supervisor	Rajasthan Govt.
3	Khema Ram Jyani	Ag. Supervisor	Rajasthan Govt.
4	Mangal Chand Jakhar	Ag. Supervisor	Rajasthan Govt.

6.5.7.3. Awards/Recognitions/Certificates:

List of students awarded for academic and extracurricular activities

S.No.	Academic Session	Name of Students	Performance	
1.	2017-18	Kriti Sharma	The Hon'ble Vice President, Shri M. Venkaiah Naidu meeting the Miss Kriti Sharma, NSS volunteers who participated in Republic Day Parade Camp, 2018	
2.	2019-20	Kriti Sharma	Awarded University merit in B. Sc. (Hons.) Agriculture	


3.	2019-20	Ekta Bathadiya	NSS volunteers participated in 23 rd National Youth Festival, 2020 at Lucknow (U.P.)	
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Table 25: Students participated in Inter-University Tournaments

S. No.	Years	Name of students	Name of Game	Name of university
1.	2016-17	Gautm Chopra	Kabbadi	HAU, Hisar
2.	2017-18	Prem Prakash Kumawat	On Spot Painting	SVVU, Tirupati (A.P.)
3.	2018-19	Miss Kriti Sharma	Elocution and Ex-tempore	SDAU, Gujarat

List of Inter – College Winners/Runners as a Team Member/Individual (Sports) facilitated by COA, Lalsot

S. No.	Years	Individual/ Team Event	Group	Name of students	Class	Status
1.	2017-18	Individual	Poetry	Shivam Tiwari	III year	First rank
		Individual	On Spot Painting	Prem P.Kumawat	III year	First rank
2.	2018-19	Individual	Elocution and Ex-tempore	Kriti Sharma	II year	First rank
		Individual	Short put and Javelin through	Pradeep Kumar	I year	Second rank
		Individual	On Spot Painting	Abhishek Trivedi	III Year	Second rank
3.	2019-20	Individual	400 M Race	Mahendra Choudhary	III years	First rank
		Individual	Elocution	Adya Kumari	II year	Second rank
		Individual	Solo dance	Kavita Choudhary	I year	Second rank

6.5.7.4. Employability:

Graduate employability is a key issue for any higher educational institution. Employability means “a set of achievements-skills, understandings and personal attributes — that make graduates more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy.” A strong correlation occurs between employer and graduate student’s employability skills. Employability is a critical issue for both government and higher education institutions. With the recent recession /economic turndown, there is intense competition for jobs in the graduate employment market. One of the key reasons why many students invest in university education is to improve their employment prospects. However, whilst achievement of good academic qualifications is highly valued, it no longer appears sufficient to secure employment. Additionally, employers expect students to have well developed employability skill, so that they can make an immediate contribution to the workplace when recruited.

The College of Agriculture, Lalsot gives due emphasis on inculcating key skills among its graduates and provides ample opportunities to develop such skills in conjunction with subject-specific skills and knowledge. This enhances potential of our agriculture graduates for success in the recruitment process, thereby producing ‘business ready’ graduates, able to make a dynamic start and rapidly adapt to change. To this end, B.Sc. (Hons.) agriculture degree programmes in our university adopts various strategies for example, offering work experience, work-related learning and employability skills modules and ‘ready for work’ events, as well as involving employers in course design and delivery. In our college too, employability skills are already embedded in the curriculum. Our university follows the strategy to improve evidence-based employability skills profile of its graduates and is the component of personal development programme of the college and aims at spreading awareness about employability skills among our graduates apart from providing opportunities to relate to, reflect upon, access and manage their own skills.

COA, Lalsot offers a supportive framework for reflection and self-evaluation, enabling students to identify their own strengths and weaknesses and make provision for self-development and improvement. Furthermore, the college facilitates valuable guidance which proves useful preparation of curriculum vitae and preparation for job interviews. By facilitating students with personality development programme, we encourage our students to forward plan

for employment and embark on decision-making processes from an early stage. So, they can further develop their skills over the course of their programme. The college follows a more holistic approach towards learning and personality development of our students, drawing interest and participation of students in both curricular and extracurricular activities with the aim of promoting life-long learning. Whilst the reliability of our self-assessment is uncertain, still it allows our students to own greater ownership of their skills, in turn empowering them to take control of their own development, consistent with the concepts of personality development programme. The college aims to provide knowledge and understanding among its graduated and provide ample opportunities so that they are able to apply and develop their academic background through intellectual curiosity, creativity and the ability to reflect on achievements apart from improving generic skills *i.e.*, ‘information literacy, working with technology, written and verbal communication, working in teams and numeracy’ interpersonal skills, written skills, presentations skills, information technology etc, besides being able to generate employment opportunities and serve the society and our country as a whole.

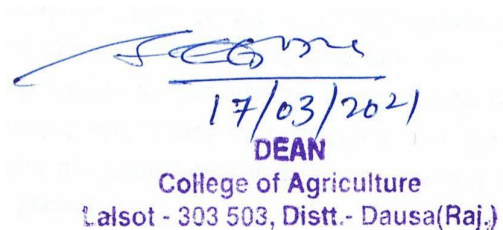
The reputed companies/firms are invited every year for the placement of students. The teachers of the college are also encouraging the students for competitive exams related to their future endeavor.

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.

The SSR for B.Sc. (Hons.) agriculture is included in this document (Pages: 94)

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

I, the Dean, Dr. S. S. Yadav, College of Agriculture, Lalsot 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.



17/03/2021
DEAN
College of Agriculture
Lalsot - 303 503, Distt.- Dausa(Raj.)

Signature of Dean with Date & Seal

Teaching Staff of Rajasthan Agriculture Research Institute ANNEXURE-I

S. No.	Name	Designation	Department
1	Dr. Arjun Singh Baloda	Professor	Entomology
2	Dr. Rakesh Sammauria	Professor	Agronomy
3	Dr. O. P. Meena	Assoc. Professor	Agronomy
4	Dr. K. C. Gupta	Assoc. Professor	Agronomy
5	Dr. Seema Sharma	Assoc. Professor	Agronomy
6	Dr. Rani Saxena	Asstt. Professor	Agronomy
7	Dr. Shweta Gupta	Asstt. Professor	Agronomy
8	Mr. Malu Ram Yadav	Asstt. Professor	Agronomy
9	Dr. L. D. Sharma	Professor & Incharge AICRP on Millets	PBG
10	Dr. Ved Prakash		PBG
11	Dr. Shailesh Jain	Assoc. Professor	PBG
12	Nitin K. Garg	Asstt. Professor	Biochemistry
13	Dr. B. L. Jhagr	Assoc. Professor	Entomology
14	Dr. Vipin Kumar	Assoc. Professor	Entomology
15	Dr. Rajendra Singh Bajiya	Asstt. Professor	Entomology
16	Dr. B. N. Sharma	Asstt. Professor	Entomology
17	Mr. Birbal Bairwa	Asstt. Professor	Entomology
18	Dr. Ram Swaroop Meena	Professor	Horticulture
19	Dr. Yogesh Sharma	TO/Asstt. Prof.	Horticulture
20	Dr. A. C. Mathur	Professor	Plant Pathology
21	Dr. R. K. Bagri	Assoc. Professor	Plant Pathology
22	Dr. Pradeep Singh Shekhawat	Assoc. Professor	Plant Pathology
23	Dr. R. S. Sharma	Asstt. Professor	Plant Pathology
24	Dr. Nitin Chawla	Asstt. Professor	Plant Pathology
25	Sh. Tarun Kumar Jatwa	Asstt. Professor	Plant Pathology
26	Dr. S. P. Bishnoi	Asstt. Professor	Nematology
27	Dr. HemrajGurjar	Asstt. Professor	Nematology
28	Dr. Phool Chand Bairwa	Asstt. Professor	Soil Science & Ag. Chemistry
29	Dr. Pratibha Singh	Asstt. Professor	Soil Science & Ag. Chemistry
30	Sh. Joginder Singh	Asstt. Professor	PBG
31	Dr. J. S. mahariya	Assoc. Professor	Statistics

Non-Teaching Staff (Technical & Supporting) ANNEXURE-II

S. No.	Name	Designation
1	Sh. R. L. Nehra	T. A.
2	Sh. N. S. Rathore	Lab. Asstt.
3	Sh. B. L. Jat	Ag. Sup.
4	Sh. B. S. Nathawat	Ag. Sup.
5	Dr. S. R. Pancholi	STA
6	Sh. Mukesh Yadav	T. A.
7	Sh. Laxman Yadav	T. A.
8	Sh. B. L. Pandar	Lab. Asstt.
9	Sh. Narpat Singh	Lab. Attendent
10	Sh. Lal Singh	Ag. Supervisor
11	Sh. B. S. Shekhawat	Ag. Supervisor
12	Sh. Abhinandan Jain	Ag. Supervisor
13	Sh. C. M. Kumawat	Ag. Supervisor
14	Sh. M. L. Kumawat	Ag. Supervisor
15	Sh. G. L. Yadav	Ag. Supervisor
16	Sh. Madan Lal Kumawat	Ag. Supervisor
17	Smt. Sudha Kabra	PA
18	Sh. Bhagwat Singh Shekhawat	Lab. Asstt.
19	Sh. A. C. Verma	Ag. Sup.
20	Sh. Ashok Kumar Verma	Ag. Sup.
21	Sh. Shankar Lal Sahu	Driver
22	Smt. Sharda Devi	Peon
23	Sh. Shyoji Ram	Class-IV
24	Sh. Ram Swaroop Sharma	Ag. Sup.
25	Sh. Ganesh Yadav	Peon
26	Sh. O. P. Bareth	Lab. Asstt.
27	Sh. Ranjeet Singh	Ag. Sup.
28	Sh. Sohan Lal Choudhary	Ag. Supervisor
29	Sh. Hanuman Lal Kumawat	Ag. Sup.
30	Sh. Tarun Kumar	Peon