(UGC Approved & NAAC Accredited)

SELF STUDY REPORT
For the
Accreditation of
B.Sc.(Hons.) Agriculture

Submitted to
NAEAB
Indian Council of Agricultural Research
New Delhi

DEPARTMENT OF AGRICULTURE, JAGAN NATH UNIVERSITY
NH-12, Chaksu Bypass, Tonk Road,
Jaipur – 303901
Ph. No.: 0141-3020500, 3020555; Fax: 3020538
Email: info@jagannathuniversity.org
Website: www.jagannathuniversity.org

2021

JAGANNATH

Preface

Jagan Nath University has been established in the year 2008, by an Act (Act No. 19 of 2008) of the Rajasthan State Legislature and is approved under section 2(f) of UGC Act 1956 vested with the authority to award Degrees, Diplomas and Certificates. The University is also Member of Association of Indian Universities (A.I.U.). In a short span of time the University has gained wider recognition for its remarkable progress and is clearly emerging as one of the premier Private Universities of the Nation. The University offers Undergraduate, Postgraduate and Ph.D. programmes in the Faculty of Engineering and Technology, Architecture and Planning, Management, Law, Sciences including Agriculture Science, Medical, Para-Medical and Allied Health Sciences.

The University has well qualified and experienced faculty to act as mentor to the students. The research and outreach initiatives taken by the teaching fraternity continue to be relevant in the academic world. The publication of research papers in the leading professional journals having high impact factor speak of the quality of research. Our academic programmes are equally complemented by strong industry partnership programmes supplemented by seminars, workshops, guest lectures, internships and placements. It serves the dual purpose of enhancing research expertise as well as producing professionally oriented industry ready graduates. The academic system of the University is based on four pillars i.e. Effective Teaching Learning Process, Holistic Approach to Education, Industry Integration and Skill Development.

The Department of Agriculture has been established in the year 2014 to offer the B.Sc.(Hons.) Agriculture 4 years programme in order to cater a very significant need of the young talent to go for this programme. The focus is on quality, practical exposure and project based education in Agriculture. The focus of the curriculum for B.Sc.(Hons.) Agriculture remains on effective delivery of course curriculum as recommended by Fifth Deans' Committee's of ICAR, and adequate Practical and Hands-on-Training covering, Experiential learning, Skill Development Training, Rural Agricultural Work Experience, In Plant Industry Training and Students Projects as Student READY Programme.

It is our great pleasure to express our deep sense of gratitude and thanks to the Indian Council of Agricultural Research, New Delhi (ICAR) for accepting our application for Letter of Intent (LoI) on May 18, 2021 for Assessment and Accreditation of B.Sc.(Hons.) Agriculture Programme being run in the Department of Agriculture, Jagan Nath University, Jaipur. In compliance with the conditions of LoI, the University has the honour to present Self Study Report (SSR) for Accreditation of the Degree Programme [B.Sc.(Hons.) Agriculture]. In fact, it is pride privilege for us to get the Accreditation from the National level esteemed body like NAEAB, ICAR, New Delhi.

The University has made the honest and sincere efforts while preparing the SSR. This SSR is in consonance with the guidelines laid down by ICAR. In this report we have analyzed opportunities and challenges which are to be taken care of in our future endeavour. Our focus will be on constantly striving for excellence and may expect the highest rating of ICAR.

15/6/21

Prof. (Dr.) P N Kalla
Dean & Head, Department of Agriculture
Jagan Nath University, Jaipur

DEAN
FACULTY OF SCIENCE (AGRICULTURE)
JAGANNATH UNIVERSITY
CHAKSU, JAIPUR (RAJ.) INDIA

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6.4 Self Study Report for the Degree Programme [B.Sc. (Hons.) Agriculture]

6.4.1 Brief History of the Degree Programme

The Department of Agriculture since its inception in 2014 has been catering to a very significant need of the young talent (10+2) to go for the highly demanding professional B.Sc. (Agriculture) Hons. 4 year programme from the academic session 2014-15 with the prior approval of the Academic Council and the Board of Management (vide BOM Resolution No. 20.12 dated September 27, 2014). **(Annexure-1).**

The Department of Agriculture has adopted the course content and guidelines as per the recommendation of the ICAR. The syllabus and guidelines of 4th Deans' Committee were adopted initially from the academic year 2014-15 to 2016-17 and the Fifth Deans' Committee recommendations have been followed in *toto* from the academic session 2017-18.

Objectives of the B.Sc. (Hons.) Agriculture Programme

The main objectives of the Programme are:

1. To cover a wide spectrum of agricultural activities so as to produce graduates who can effectively meet the upcoming requirements of the farming community and the department of agriculture and allied agencies.
2. To enable students to understand various challenges in a global agricultural environment.
3. To impart exhaustive knowledge with equal emphasis both on theoretical and practical aspects.
4. To promote the advancements of learning, quality education, research and extension in agriculture sector.
5. To encourage the youths on entrepreneurship in agriculture and rural development for welfare of farming community.
6. To conduct field research relevant to the agricultural needs of the agro climatic zone of the State.

Vision

To be a Centre of Excellence in higher agriculture education with focus on quality education, research and extension services, and to holistic eco system for global competencies among students and sustainable growth of agriculture sector in India.

Mission

The Department of Agriculture aspires to achieve its vision by:

i. Acquiring highly qualified, competent and experienced faculty as per the norms of the regulatory authorities.

ii. Providing skilled technical and supporting staff for enhanced practical exposure to learners.

iii. Creating state-of –the art infrastructure in the form of classrooms, learning resource, laboratories and farm activities.

iv. Conducting practical and Hand-on-training to prepare students fit for employment and entrepreneurship.

v. Developing system for up gradation of curriculum and pedagogical techniques based on continuous feedback from various stakeholders.

vi. Promoting ICT application in curricula delivery including self learning resources like MOOCs, Coursera, virtual labs, online resources, etc.

vii. Blending skills, entrepreneurship and capacity building for sustainable growth of agriculture in the country.

Accomplishment of the Programme

The Department of Agriculture is in existence since 2014-15 and offering B.Sc. (Hons.) Agriculture Programme. There are many accomplishment of the Department in the areas of infrastructure development, teaching-learning process, student progression, research and extension activities, classrooms, lab facilities, library, ICT resources and facility for research and extension activities. Three batches of students already passed out in the years 2017-18, 2018-19 and 2019-20 and majority of them are well placed in industry and public sector. Some of the students have gone far higher education in India and abroad. There are students who have even established their own ventures and are doing well in entrepreneurship.

(i) Farm Development and Community Programmes

- ***Vermi-Compost Unit:*** Vermi-compost unit has been established on agriculture farm. Vermi-compost unit has 5 beds of size (12 x 4 x 3 ft) to produce about 3500 kg of vermi-compost. Students learn about preparation and benefits of Vermi-compost for organic production of the commodities. Vermi-compost unit can be a good income generation source for students. Vermi-compost prepare in the unit is used at the University farm in field crops as well as in horticultural crops.

Vermi Compost Unit

- ***Poly House:*** Poly House has been established to train students and farmers about protected cultivation practices in semi arid zone. Protected cultivation of vegetables, flowers and other commercial crops help farmers to get the additional farm income.

Cultivation of Cucumber in Poly House

- ***Farm Cafeteria:*** Farm Cafeteria have been established since the inception of B.Sc.(Hons.) Agriculture Programme in 2014 to enable the students to identify the medicinal, Aromatics, flower, food grains, vegetables and pulses.
- ***Olive Plantation Project:*** Project on Olive cultivation funded by Government of Rajasthan started in 2017-18. The Department of Agriculture has tested four emerging varieties of Olive plants at our Agriculture farm to test their adoptability and production potential. This has helped the farmers of this agro climatic zone to adopt the Olive cultivation for addition farm income.
- ***Drip and Sprinkler Irrigation System:*** Drip and Sprinkler systems are installed in university farm for better use of water resources. Drip irrigation system is used in polyhouse, horticultural crops and olive plantation while Sprinkler system is used to irrigating the field crops in university farm. These both methods of irrigation most suitable for growing crops in arid and semi arid area of Rajasthan.
- ***Village adoption program:*** Village adoption program was initiated at Village Mahajanpura, Tehsil- Chaksu, District- Jaipur. This program was started for student-farmer interaction and transfer of improved agro-production technologies at farmer's field. Various farmer training program and other activities have been organized in that village.
- ***Kisan Mela:*** Department of Agriculture organized a Farmers' Fair on 17 September 2018 in which more than 250 farmers participated from different places. In Kisan Goshthi quarries regarding field crops, animal husbandry, Insect-pest and vegetable production etc. of the farmers were solved by the Subject Matter Expert of the Department.
- ***Students Start-up:*** Students of The Department have shown interest entrepreneurship in the field of Agriculture. A student started a website plantdekho.com for online availability of nursery, roof gardening and solution of problems by specialist. Two other students also started AJM Agri Farmhand to provide consultancy services and agri-input for farmer's community.

(ii) Eco-Friendly Initiatives

The Department motivates students and the staff for maintaining eco-friendly campus, by saving energy and fuels, save water and water harvesting and recycling measures, tree plantations, use of solar and other renewable sources of energy.

- ***Green Audit:*** The University remains committed high standards of environmental protection and focuses on developing a strong focus and reputation for being environmentally responsible institution. The University believes it has a responsibility to exercise environment leadership in the vicinity. The University and its entire constituents unit are committed to deliver and continuously improve all the activities focused towards environment friendly and sustainable campus through implementation of quality and environment system. The University has conducted an external Green Audit carried by Supreme Enviro Engineers & Consultants and found to be excellent. **(Annexure 2)**
- ***Energy Conservation:*** The construction of buildings is such that they have low heat absorption in summer months and high heat gain in winter months, use of energy efficient devices such as tube lights and CFL, LCD and TFT screens for computer monitors, pooling of cars and buses to reduce fuel consumption, efficient ducting for air cooled hostels and administrative blocks are some of the measures for energy conservation.
- ***Use of Renewable Energy:*** The University hostels are fitted with solar water heating systems for use during winter months. Solar photovoltaic systems for lighting are being tested and likely to be installed soon. Solar Energy Unit of 200 KW installed in the University for use of renewable energy.
- ***Rain Water Harvesting:*** Water consumption in the campus is managed by bore wells more than 300 feet deep. All the buildings have water harvesting systems for recharging of the bore wells. The abundant rainfall in the area is also useful in recharging the bore wells. A water harvesting pond constructed near poly house and a water harvesting tank in front of canteen to collect rain water. Sprinklers and Drip irrigation system are used for irrigation.

Rain Water Harvesting Tank

Water Harvesting Pond

- ***Efforts for Carbon Neutrality:*** Use of energy efficient devices, renewable sources of energy, plantations, encouragement of paper less documentation, e-mails for communication, displaying of results, notices on website and SMS systems are some for carbon neutrality.

- ***Plantation:*** There are more than 2000 Trees planted in the campus. Every year a good number of saplings are planted. Practically all the open space in University is also covered by the green belt.
- ***Solar Energy Unit*:** The University has solar energy unit of 200 KW, which is generating on an average 900 units per day with a monthly production of about 27000 units. We are almost fulfilling entire electricity requirement internally, only a very small amount is to be paid to electricity board for purchase of electricity.

Solar Energy Unit

- ***Wastewater Treatment Plant*:** The University has installed Wastewater Treatment Plant of 100 KLD capacity in its premises. This unit of sewerage treatment plant is producing 1000 litres treated water per hour and it is being utilized for irrigation.

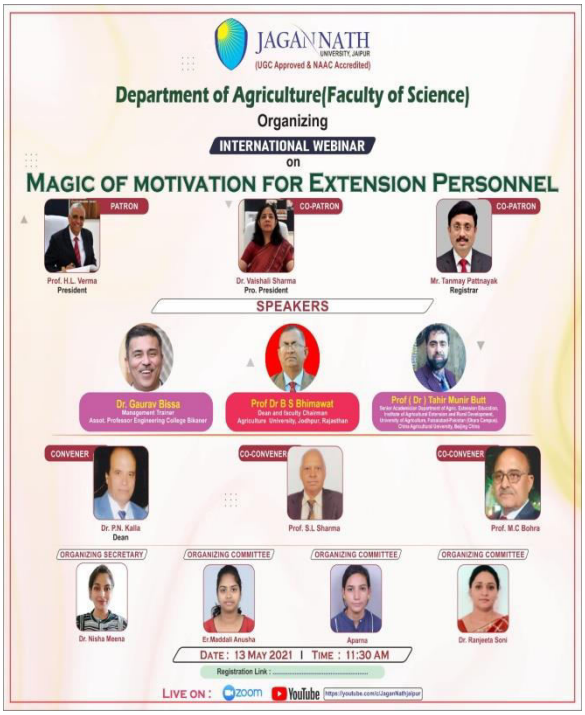
Wastewater Treatment Plant

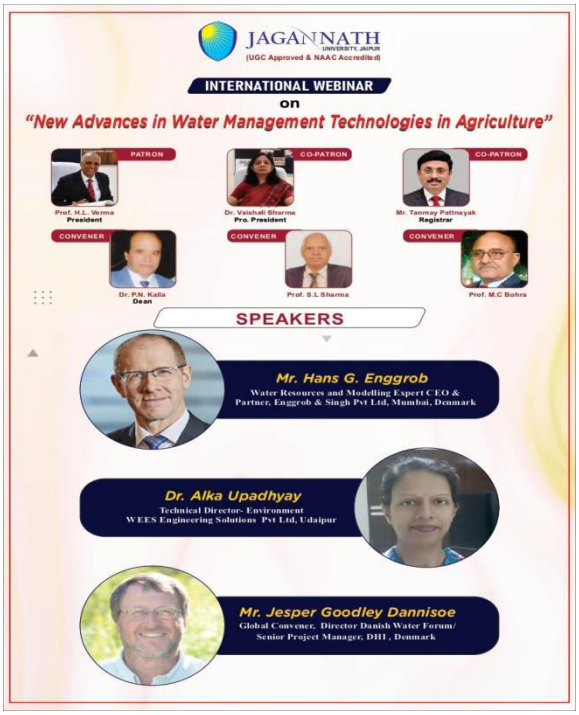
- ***E-waste Management:*** The University follows buy-back policy for computer systems and repairs/up-gradation of systems wherever possible and viable. The unused e-waste is auctioned.

(iii) Academic Achievements of the Department of Agriculture

International Webinar organised:

- The Department of Agriculture organized an international webinar on **"New Horizons n Livestock Health and Production"** on 21 May 2021. The resource persons include Prof.(Dr.) Jai Prakash, Professor and Head, Veterinary Physiology and Biochemistry, College of veterinary science, Bangalore, Presently working as Associate professor Department of Agriculture, UNITECH, Lae, Papua New Guinea. Prof. (Dr.)Tribhuwan Sharma, Director HRD, RAJUVAS, Bikaner and Prof. (Dr.) Basant Bais, Professor and Head, Department of Livestock Products Tachnology, RAJUVAS, Bikaner.
- The Department organized international webinar on **"Digital Agriculture: Enabling More Efficient Farming Using Data Driven Decisions"** on 19 May 2021. The resource persons include Mr. Deepak Pareek, Managing Partner, HnyB, Dubai and Mr. Prashant Sharma, Global IT Consultant, Amsterdam, Netherlands.
- The Department of Agriculture organized international webinar on **"Magic of Motivation for Extension Personnel"** on May 13, 2021. The resource persons include Dr. Gaurav Bissa, Associate Professor and Management Trainer College of Engineering, Bikaner, Prof. Tahir Munir Butt, Senior Academician Department of Agriculture Extension, Agriculture University, Faisalabad Pakistan and Prof. B.S. Bhimawat Dean and Chairman, College of Agriculture, Jodhpur Rajasthan.
- The Department of Agriculture organized an international webinar on **"New Advance in Water Management Technologies in Agriculture"** on May 10, 2021. The resource persons includes Mr. Hans G. Enggrob, Water Resource and Modelling Expert, CEO & Partner, Enggrob & Singh Pvt. Ltd, Denmark, Dr. Alka Upadhyay, Technical Director- Environment, WEES Engineering Solutions Pvt. Ltd., Udaipur and Mr. Jesper Goodley Dannisoe, Global Convener, Director, Danish Water Forum/ Senior Project Manager, DHI, Denmark.
- The Department organized an international webinar on "**Role of digital, online and virtual technology in formal and non-formal education for rapid rural transformation"** on 5th May, 2021. The resource persons of the webinar were Prof. (Dr.) Hari Om Srivastava, President and CEO, World Development Foundation, New Delhi, Former Additional Director General, All India Radio and Doordarshan Consultant, MCIT Ethopia, Commonwealth, ITU, GLG Newyork and VisasQ Japan.
- The Department organized an international webinar on "**Bach Flower Remedies: A Novel Approach to Holistic Healing and Innovative Career Prospects**." on February 12, 2021. The resource persons included Dr. S. Shamama tulamber, Interntionally Acclaimed Bach Flower Therapist and Crystal Healer, Chennai and Dr. Manjulatha Tatikonda, Renowned Bach Flower Therapist, Singapore.





- ***Indo-Polish Workshop:*** The Department of Agriculture in collaboration with Jagan Nath University, Bahadurgarh jointly organized one day Indo-Polish Workshop on **"Science for Crop Improvement"** on November 4, 2019. The resource person include Prof. Edward Arseniuk, Head, Department of Plant Pathology, Acclimatization Institute- National Research Institute, Radzikow, Poland and Ms. Dorota Skrzeczynska, Polish Association of Cereal Producers, Radzikow, Poland, Dr. Jitender Singh Laura, Department of Environmental Science, MDU, Rohtak, Dr. O.P Bishnoi, Department of Genetics and Plant Breeding, CCS Haryana Agriculture University, Hisar.

- ***International Conference:*** The Department in collaboration with Department of Agriculture Science and Department of Physiotherapy from Jagan Nath University, Bahadurgarh organized one day International conference on **"Role of Physiotherapeutic and Nutritional Interventions towards Human Reproductive Health"** on February 21, 2019. Eight International Professors including Noble laureate Prof. Arthur Riedacker, IRNA, France, Prof. David Olsan, Health Science Expert, Alberta University, Canada, Prof. Richard Saffery, Children Hospital Morduch University, Australia, Prof. Bea Van Den, Health Expert from University Belgium, Prof. Jenice Bailey, Quebec University, Canada, Prof. Gerlinde Metz, Alberta University, Canada, Dr. Ashley Aimone from Kenya and Prof. Ravinder Chibbar, University of Saskatchewan, Canada participated in the conference as resource persons and delivered lectures on various aspects related to the theme of the conference.

- ***National Conference:*** The Department in collaboration with Jagan Nath University, Bahadurgarh organized two days National Conference on **"Technology and Management Options towards use of Fly Ash in Civil Engineering, Agriculture and Environment"** on April 13-14, 2018. In these conference resource persons from the field of Agriculture, Civil Engineering, Architecture and Management participated. The

objectives of the conference include: To discuss about the coherence and inter linkages among fly ash as concrete materials makes, impact on agricultural soils and environment in relation to health and society and to create a network of professionals across various disciplines of Science and Technology for integrated advancements for use of fly ash in various States of India.

- ***International Workshop:*** The Department in collaboration with Jagan Nath University, NCR Bahadurgarh organised one day International Workshop on **"Strategies for Mitigating the Effects of Climate Change"** on February 20, 2018. In this workshop resources person from the field of Agriculture, Architecture, Physiotherapy, Engineering, Law and Management participated. The key note speakers include Prof. (Dr.) Arthur Riedacker, Co-Noble Prize Winner IPCC-2007 and Chair Oikos Food Security, France, Prof. Ravinder Chibbar, Distinguished Chair Genome Canada, University of Saskatchewan, Canada, Prof. (Dr.) David Olson, Health Specialist, University of Alberta, Canada, Dr. Manfred Kern, Former Global Head Communications, Bayer Crop Science, Germany and Chair Agri Excellence Germany, Dr. E. Kazmann, Senior Wheat Breeder, Syngenta, Germany, Ms. Jyoti rana, Murdoch University, Australia, Prof. (Dr.) R. K. Behl, IFSDAA-ICSA, Germany.

Resource persons in Indo-German Workshop

- ***Indo-German Workshop:*** The Department in collaboration with Jagan Nath University, Bahadurgarh organized one day Indo-German Workshop on **"Organic Mineral Fertilizer Pellets for Sustainable Agriculture"** on November 7, 2017. The resource person includes Prof. (Dr,) Dieter Trautz, Osnabruck University of Applied Sciences, Osnabruck, Germany, Dr. Insa Kuhling, Osnabruck University of Applied Sciences, Osnabruck, Germany, Prof. (Dr.) R. K. Behl, IFSDAA, Germany.

- ***National Agri Fest:*** The Department organized a National Agri-Fest in November, 2017 in which 52 teams consisting of more than 450 students participated from various Agriculture Universities/Colleges across the country. Dr. Prabhu Lal Saini, the then Agriculture Minister, Government of Rajasthan, inaugurated the fest and Prof. (Dr.) P. K. Dashora, Vice-Chancellor, Kota University; Kota was the Guest of Honour. The main objective of

Agri-Fest was enhancing interactive and competitive skills among the students of Agriculture Universities including Veterinary and Home Science colleges of the country. The students presented their charts, posters, models and specimen on various current issues of agriculture. The organization of agri fest not only achieved the target and goal of event but also built the atmosphere of interaction, harmony, discipline and coordination among the students of Jagan Nath University. There were many functional/working models exhibited by the participants which provided innovative ideas to the students and opportunity to learn modern techniques in the field of agriculture.

Dr. Prabhu Lal Saini, the then Agriculture Minister, Government of Rajasthan and Prof. (Dr.) P. K. Dashora, Vice-Chancellor, Kota University and other functionaries of the University during National Agri-Fest.

Guests and participants in National Agri-Fest 2017

(iv) Placements

- ***Placement of First Batch (2018):*** First batch of 85 students passed out in 2017-18 out of which 55 students were placed through on campus and off campus recruitments drives held by various companies. Some of the students have joined to pursue higher studies. Some

students are preparing themselves to compete for competitive examinations for the central and state government jobs. Some of the students have gone for their own start-up.

- ***Placement of Second Batch (2019:*** Second batch of 226 students passed out in 2018-19 out of which 94 students were placed through on campus and off campus recruitments drives held by various companies. Some of the students have joined to pursue higher studies. Some students are preparing themselves to compete for competitive examinations for the central and state government jobs. Some students are engaged in family business or have developed their own startup as entrepreneurs.
- ***Placement of Third Batch (2020):*** Third batch of 230 students passed out in 2019-20 out of which 53 have been placed in different companies. Some of the students have joined to pursue higher studies in India as well as abroad. Some students are preparing themselves to compete in competitive examinations for the central and state government jobs. Some of the students have gone for their own start-up.

Table 1: List of Companies Where Students of different Batches got Placement

First Batch (2014-18)		
S.N.	**Companies**	**Number of Students**
1.	Sunrise Agriland Development and Research Pvt. Ltd	13
2.	Payas Dairy Products Pvt. Ltd	18
3.	Leads Connect Services Pvt. Ltd	14
4.	Syngenta	01
5.	Agro Star, Pune	03
6.	Future Generalli India General Insurance	06
	Total	**55**
Second Batch (2015-19)		
S.N.	**Companies**	**Number of Students**
7.	IFFCO Kisan Sanchar Limited	15
8.	Payas Dairy Products Pvt. Ltd	19
9.	Leads Connect Services Pvt. Ltd	22
10.	Modish Tractor Aur Kisan Pvt. Ltd.	38
	Total	**94**
Third Batch (2016-20)		
S.N.	**Companies**	**Number of Students**
11.	Agro Star, Ahmadabad	06
12.	Leads Insurance Brokers Pvt. Ltd	32
13.	Sushima Pharmaceuticals Pvt. Ltd	05
14.	Pragati Farm Store	10
	Total	**53**

List of Students (Annexure 3)

(v) Resource Persons Who Visited the Department

The Department of Agriculture has been inviting the distinguished resource persons from the academics and profession to deliver talks on contemporary issues in the field of agriculture for the benefits of the students and the faculty. The list of the resource persons who visited the Department for interaction with students and the faculty is as under:

Table 2: List of Resource Persons visited for Interaction

S.N.	Name and Designation	Year	Topic
1.	**Prof. (Dr.) Sri Ram Sharma** SKNAU, Jobner	2016	Importance of Soil Profile in Agriculture
2.	**Prof. (Mrs.) Madhuri Joshi** SKNAU, Jobner	2016	Role of Extension in Agriculture
3.	**Prof. I.M. Verma** Director Landscape, SKRAU, Bikaner	2016	Importance and opportunities of Floriculture in Indian economy
4.	**Er. Vipin Laddha** Expert Farm Mechanization, SKRAU, Bikaner.	2016	Maintenance of Agriculture implements
5.	**Dr. Prabhu Lal Saini** the then Agriculture Minister Government of Rajasthan	2017	Inaugural address in the National Agri Fest
6.	**Dr. P.K. Dashora** Vice Chancellor, Kota University, Kota	2017	Entrepreneurship development and opportunity for agriculture students.
7.	**Prof. G.L. Keshwa** Vice Chancellor, Agriculture University, Kota	2017	Opportunities for agriculture graduates for higher education
8.	**Dr. Balraj Singh** Vice Chancellor, Agriculture University, Kota	2017	National and International scenario of Fruits and Vegetables
9.	**Dr. Gopal Lal** Director, NRCSS Ajmer	2017	Importance of Seed species in National economy
10.	**Dr. Sangram Singh** Former DOE, SKNAU, Jobner	2017	Enhancing skill of students for games and sports
11.	**Shri Virendra Parihar** Agriculture event Producer Doordarshan, Jaipur	2017	National Science Day organised by Department of agriculture.

12.	**Prof. (Mrs.) Madhuri Joshi** SKNAU, Jobner	2018	Role of Extension in Agriculture
13.	**Dr. R.C. Kumawat** Dean, College of Agriculture SKNAU, Jobner.	2018	Present Status of Agriculture in Indian Economy
14.	**Shri Kailash Sharma** International swimmer and coach	2018	Inaugurated the Annual Sports and Cultural Week, SPANDAN-2018.
15.	**Shri Hari Prasad Sharma** Retd. IPS and Social worker	2019	Inaugurated the Annual Sports and Cultural Week, SPANDAN-2019.
16.	**Dr. Vishnu Sharma** Vice- Chancellor RAJUVAS, Bikaner	2019	Animal Husbandry Scenario, Status and Prospectus.
17.	**Dr. Rakesh** Senior Seed Officer ICRISAT, Hyderabad	2019	Recent Trends in Pearl Millet Production.
18.	**Dr. Om Thanvi** Vice- Chancellor Hardev Jhosi University of Journalism and Mass Communication	2019	Importance of Journalism and Mass media for enhancing awareness to the faculty and students.
19.	**Dr. D. Kumar** Project Co-ordinator AICRP on Arid Legumes, CAZRI, Jodhpur	2019	Guar Gum as a Start Up Option
20.	**Dr. B. L. Kakralia** Director HRD, SKNAU, Jobner.	2020	Role of basic science research in enhancing agricultural productivity.
21.	**Dr. N.K. Gupta** Dean, Post Graduate Studies SKNAU, Jobner.	2020	New Advances in molecular biology of salt tolerance in crop plants.
22.	**Dr. L.R. Yadav** Head, Department of Agronomy, SKNAU, Jobner.	2020	Sustainability and future of Indian agriculture.
23.	**Dr. Gopal lal Bangdwa** Dean, College of Agriculture, SKNAU, Jobner.	2020	The new frontiers of education in agriculture.

24.	**Mr. Harshvardhan, IPS** ADC to Governor Government of Rajasthan	2021	Release of Student Ready Manual.
25.	**Dr.(Mrs.) Pallavi Chaudhary** Start up expert	2021	Start up is a batter option to Agriculture graduates.
26.	**Prof.(Dr.) R.L. Godara** Vice-Chancellor Vardhman Mahaveer Open University, Kota	2021	The Changing scenario of distance education in post covid situation.
27.	**Dr. Gaurav Bissa** Associate Professor and Management Trainer, College of Engineering, Bikaner	2021	International webinar on "Magic of Motivation for Extension Personnel"
28.	**Prof. Tahir Munir Butt** Senior Academician, Department of Agriculture Extension, Agriculture University, Faisalabad Pakistan	2021	International webinar on "Magic of Motivation for Extension Personnel"
29.	**Prof. (Dr.)B.S. Bhimawat** Dean and Chairman, College of Agriculture, Jodhpur	2021	International webinar on "Magic of Motivation for Extension Personnel"
30.	**Mr. Deepak Pareek** Managing Partner, HnyB, Dubai	2021	International webinar on "Digital Agriculture: Enabling More Efficient Farming Using Data Driven Decisions"
31.	**Mr. Prashant Sharma** Global IT Consultant, Amsterdam, Netherlands.	2021	International webinar on "Digital Agriculture: Enabling More Efficient Farming Using Data Driven Decisions"
32.	**Mr. Hans G. Enggrob** Water Resource and Modelling Expert, CEO & Partner, Enggrob & Singh Pvt. Ltd, Denmark.	2021	International webinar on "New Advance in Water Management Technologies in Agriculture"
33.	**Dr. Alka Upadhyay** Technical Director-Environment, WEES Engineering Solutions Pvt. Ltd., Udaipur.	2021	International webinar on "New Advance in Water Management Technologies in Agriculture"
34.	**Mr. Jesper Goodley Dannisoe** Global Convener, Director, Danish Water Forum/ Senior Project Manager, DHI, Denmark.	2021	International webinar on "New Advance in Water Management Technologies in Agriculture"

35.	**Prof. (Dr.) Hari Om Srivastava** President and CEO, World Development Foundation, New Delhi, Former Additional Director General, All India Radio and Doordarshan Consultant, MCIT Ethopia, Commonwealth, ITU, GLG Newyork and VisasQ Japan.	2021	International webinar on "Role of digital, online and virtual technology in formal and non-formal education for rapid rural transformation"
36.	**Dr. S. Shamamatu lamber** Internationally Acclaimed Bach Flower Therapist and Crystal Healer, Chennai	2021	International webinar on "Bach Flower Remedies: A Novel Approach to Holistic Healing and Innovative Career Prospects."
37.	**Dr. Manjulatha Tatikonda** Renowned Bach Flower Therapist, Singapore.	2021	International webinar on "Bach Flower Remedies: A Novel Approach to Holistic Healing and Innovative Career Prospects."

(vi) Societal Concern

The University contributes towards social responsibilities through various activities. Some of such activities directly connected with the Department of Agriculture are:

Table 3: List of different activities organized by the University

S.N.	Event	Details
1.	Unnat Bharat Abhiyaan (UBA)	Unnat Bharat Abhiyan (UBA) is a flagship programme of the MHRD (now Ministry of Education), with the intention to enrich rural India. Jagan Nath University (Id: U-0398) is a participating institute under Unnat Barat Abhiyan. The University has adopted nearby five villages including Birdhpura, Mahachandpura, Rampura, Girdharilalpura and Tigariya in this Programme and carried out many programs.
2.	Village Adoption Program	The Department of Agriculture adopt a village namely Mahachandpura under village adoption program and organised various activities every year in this village.
3.	Blood Donation camps	The University organises two blood donation camps in a year and Department of Agriculture actively participated in the entire blood donation program.
4.	Swatchta Pakhwara	Cleanliness drives on the campus and in nearby villages are carried out regularly.
5.	Organ Donation Awareness Program	Organ donation awareness program organized with collaboration of Mohan foundation and Citizen Forum (S.M.S. Hospital, Jaipur) on 27 December 2017.
6.	Swatch Bharat Summer Internship (SBSI Program)	In this programme more than 100 students participated and finally 3 students were awarded cash prizes for first, second and third position by the MHRD, Govt. of India.
7.	Danoutsav Program	Donation of books and stationary items to needy school

		children is a regular activity organised annually.
8.	Plantation Program	Five to Seven plantation drives are organized by the University annually.
9.	International student identity card workshop and Free Health Checkup Camp	International student identity card (ISIC) in partnership with Apollo Pharmacy conducted workshop and Free Health check-up camp (General and Eye) for students on 21st February,19.
10.	Free Eye Check Camp	The University organised a free eye check-up camp every year for students and employees.
11.	Free Medical Check-up Camp	The University organises a free medical check-up camp every year for students and employees.
12.	Plastic Free Villages (Under UBA)	Under UBA Program free distribution of cloth bags in adopted villages was carried out on 02 October 2019.
13.	Education Awareness in Villages (Under UBA)	Education awareness camp in adopted villages under UBA program are organised from time to time.
14.	Jal Sharakshan Abhiyan Camp	NSS unit of the University organised a Jal Shanrakshan Abhiyan Camp in Rampura.
15.	Organic Farming Awareness	Organic Farming Awareness program in adopted villages was organised in the year 2018-19.

Additional input about the University

(i) ***Introduction***

Jagan Nath University, Jaipur has successfully completed successful twelve years in higher education with great sense of satisfaction and achievements. Established in 2008 by an Act of Rajasthan State Legislature and approved by UGC under the UGC Act, 1956. **(Annexure-4)** It is the dream endeavour of Jagan Nath Gupta Memorial Education Society running educational institutions in Delhi, UP, Haryana and Rajasthan. The University has been accredited by National Assessment and Accreditation Council (NAAC) **(Annexure-5)** and is also a member of the Association of Indian Universities (AIU) **(Annexure-6).** All the professional courses are offered by the University with the approval of regulatory bodies such as Bar Council of India, Council of Architecture and National Council for Teachers Education, etc. The university has already adopted Choice Based Credit System (CBCS) of the UGC. The university has well qualified and experienced teachers who are taking initiatives for quality research by publishing books and research papers in the leading national and international journals having high impact factor.

The University has been honoured with various awards by the Academic Bodies since its inception. In 2018-19, the following awards have been given to the university:

- International Gold Star Award for Outstanding Achievements in Education by Global Achievers Foundation 2018.
- Asia Education Summit & Award for Achieving Best Private University with Academic Excellence in Rajasthan by Worldwide Achievers 2018.
- The University is awarded with Excellence in Academics and Best Private University in Rajasthan by FM Education Excellence Award 2018.

- The University ranked 24 with multidisciplinary universities in north zone, ranked 23rd among private & deemed multidisciplinary universities in all India and ranked 9th among private & deemed multidisciplinary universities in north zone by the Week Magazine – Hansa Research Survey 2018.

In 2019-20, the following awards have been conferred to the university:

- Jagan Nath University Institution's Innovation Council Cell [IIC Cell] got THREE STAR rating out of Five Stars ratings by MHRD, Government of India.
- Jagan Nath University Institution's Innovation Council Cell to promote Innovation and Start-up in campus by Ministry of Education, Government of India.
- Jagannath University is a part of SWAYAM-NPTEL Local Chapter coordinated by IIT Kanpur.
- Jagan Nath University, Jaipur is now a Recognised Social Entrepreneurship, Swachhta & Rural Engagement Cell (SEC REC) Institution By Mahatma Gandhi National Council of Rural Education, Department of Higher Education, Ministry of Education, Government of India on 30.08.2020.
- Jagan Nath University awarded Atal Achievement Award-2020 for Best Private University in Rajasthan in Innovative Education.
- The University got the ISSN (ISSN- 2582-6263) from the National Science Library for the University Journal namely "Jagan Nath University Research Journal" (JURJ) on July 16, 2020.

(ii) *Infrastructure*

Modern world class campus spread over beautifully landscaped area, with intellectually vibrant ambience in a serene and lush green environment which is one of the most impressive ones in the State of Rajasthan. The wi-fi enabled campus have the state-of-art infrastructure comprising environment friendly Administrative Block, Academic Blocks, spacious class rooms with internet and intranet connectivity and hi-tech multimedia and audio-visual equipments, well equipped modern laboratories and lab, Learning Resource Centre, auditorium, seminar halls, etc. Besides building the learning resources, the University has also created several other facilities such as separate hostels for boys and girls, faculty and staff residence, sports facilities, medical room, open-air theatres, food courts, book-shop and other utilities and services. The University campus has playgrounds and courts for various games such as cricket, football, basketball, volleyball, badminton, well equipped gymnasium and facilities for indoor games for recreational activities of the University inmates. Athletic tracks and other sports facilities are in process of development at the campus. The world class physical and academic infrastructure developed by the University, essential for imparting quality education, facilitate teaching learning process and delight the students, faculty, corporate visitors and parents. Special emphasis has been laid on developing an environment friendly, highly conducive ambience to build a solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self-discipline and enhancement of creativity through motivation.

(iii) *Class Rooms*

The Classrooms provide the most conducive atmosphere for dynamic and focused discussion and are a significant factor in creating harmony in the teacher student relationship. The spacious classrooms have been designed to propel an enquiry based learning that fosters liberation of mind and eagerness to learn. The classrooms with internet connectivity are well equipped with Hi-tech multimedia and audiovisual equipments to facilitate effective learning which sets the tone in stimulating discussions. The classrooms are the platforms where the students imbibe the virtues of hard work, discipline, ethical practices and achieve the high standards of excellence in every sphere of life.

(iv) *Innovative Laboratories*

The University has well equipped separate labs for teaching and research. Students use resources of the laboratories to solve problems, perform developmental experiments and work on projects guided by the faculty. By permitting longer hour's lab facility and access to the network from each class room and lecture theatre, information is made easily accessible from any point within the campus. The students are provided Wi-Fi connections in their hostel rooms to give them the opportunity to spend time exploring and utilizing the resources offered through the Intranet and Internet. The experiments are designed to provide deeper understanding of phenomenon, facts and fabrication/assembling of equipment from components to get hands-on experience. The drudgery of repetitive measurements is reduced by shift forwards micro computer based laboratory which allows the detailed analysis and interpretation of acquired data for our students.

(v) *ICT Centre*

The nerve line of the University ICT Centre precisely works on vision based action. It is future savvy so as to adapt itself for future changes. The internet services are extended to all the students, staff, hostellers, all the academic and administrative blocks, etc. through LAN, 1Gbps Internet backbone, service like optical fiber cables, cat6, cat5 cabling with high speed manageable switches as well as Wi-Fi round the clock. The University has around 400 intel i 3 windows 2007 configured systems available for staff and students in computer labs, class rooms and library etc. ICT center is enriched with scanners, LCDs, laser printers, combo drives and Web- Cam for video conferencing and related purposes. Smart HD CCTV cameras are installed for the campus monitoring of computers lab, academic block and all hostels.

(vi) *Hostels*

The University campus at present has 4 separate hostels for boys and girls. 3 boys hostels with a capacity of 150 each number of seats and one girls hostel with 120 seats. The hostel rooms are spacious, well furnished and are provided with Wi-Fi connectivity with 24 hours internet facility, reading rooms with dailies and magazines and additional indoor sports facilities. The hostels are equipped with generators to provide 24 hours electricity supply. A round the clock security is enforced for constant vigilance and surveillance. Hostel Mess are run under the guidance of the Hostel Warden. Separate hostels for boys and girls, faculty and staff residence in lush green environs provide a pleasant and right ambience and atmosphere for intellectual stimulation.

(vii) ***Cafeteria***

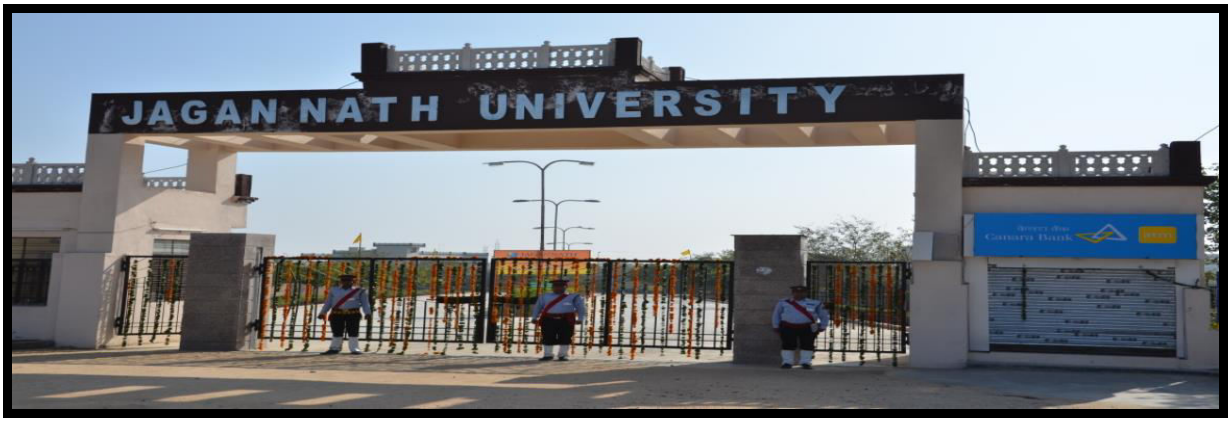
The Cafeteria, not only provides a vibrant atmosphere and unleaded fuel for the day, but also put forth a new method of knowledge sharing called the "Cafeteria approach". It is an innovative and informal method of learning where one can debate, discuss and deliberate over a cup of coffee and thereby actively nurture one's interpersonal skills. A well furnished and spacious Cafeteria is located in the heart of the campus. It provides all type of nutritious and hygienic eatables and beverages to cater to the multi-ethnic tastes of students, staff and visitors.

(viii) ***Gymnasium***

Both mental and physical developments are necessary for success in life. Exercise is essential for having a sound mind in a sound body. The University has a well equipped gymnasium for students and staff residing on the campus. The facility provides an ideal conducive environment for staff students for a well rounded workout.

(ix) ***Transport Facilities***

University's network of transport buses cover all nearby areas, including local communities and townships lying within the radius of 50 km. It is designed for the convenience of our students and staff members who are residing outside the campus. This ensures their personal safety, travel reliability and punctuality on the campus.



(x) *Medical Facilities*

Round the clock Medical Center with fully equipped all necessary equipments for First- Aid, general check-ups, BP check-ups, and Ambulance facility for critical illness are available. Doctors and nurses are available on shift basis to provide all support to the Hostellers, Day scholars and staffs of the University. The university has tie-ups with Narayana Multispeciality Hospital, Jaipur and EHCC Hospital, Jaipur. The University has its own well equipped Ambulance.

(xi) *Conference Room*

The University has a large conference room which is well equipped with state-of-art audio-visual and presentation tools to facilitate presentations. All formal sessions and interface with experts from corporate and other stakeholders take place in this hall.

(xii) *Auditorium*

A fully air cooled, acoustically designed auditorium is housed in the premises along with a seating capacity of 500 persons. It is a hub of cultural events and formal events in the university.

(xiii) *Sports*

The University firmly believes that the students need to have a well groomed personality. To ensure this, sports are given due importance. The university has sports facilities which include cricket and football grounds, volleyball court, basketball court, badminton court, table tennis room and well equipped Gymnasium and Athletic tracks.

(xiv) *NSS Unit*

The University is also running a NSS unit for better development of students. NSS is mandatory to every student as per the requirement of the curriculum as per the ICAR Fifth Deans' Committee. Various activities are organised including tree plantation, cleanness drives, Jal Shanrakshan Abhiyan, Self Defence Camp etc. by the NSS unit of the University.

(xv) *Co- Curricular and Extra Curricular Activities*

The University provides its students an excellent environment of Sports and Cultural Activities with Co-Curricular Activities. The University organized different activities of Sports, Cultural, Literary and other talents of the students in the area other than study which is very necessary for the overall personality development. A few activities organized are as follows:

- Annual Sports and Cultural Fest, Spandan
- Intra-Hostels Sports Competition
- Teachers Day Celebration
- National Agri-Fest
- Science Day Celebration
- Van Mahotsav
- International Yoga Day
- Anti-Terrorism Day
- Matribhasha Diwas
- Sankalp Saptah
- Socially Useful Productivity Work (SUPW) Camp

- Rastriya Ekta Diwas
- Armed Force Flag day
- National Youth day
- Fit India Movement

(xvi) ***Internal Quality Assurance Cell (IQAC)***

The University has Internal Quality Assurance Cell (IQAC) to assure maintenance of quality parameters in both academic and administrative process. The IQAC functions as per the regulations of the UGC and NAAC and annual reports in this are prepared and submitted to NAAC regularly.

(xvii) ***Various Cells/ Committees***

1. Grievance Redressal Committee **(Annexure-7)**
2. Proctorial Board **(Annexure-8)**
3. Women Development Cell **(Annexure-9)**
4. Anti-Ragging Committee and Anti-Ragging Squad **(Annexure-10)**
5. SC/ST Cell **(Annexure-11)**
6. Internal Complaint Committee (Sexual Harassment for Women at Workplace, Prevention, Prohibition and Redressal, Act 2013) **(Annexure-12)**
7. Institution Innovation Council Cell **(Annexure-13)**
8. Student Welfare Cell **(Annexure-14)**
9. Minority Cell **(Annexure-15)**
10. Guidance and Career Counseling Cell **(Annexure-16)**

6.4.2 Faculty Strength

The Department of Agriculture has faculty strengths in terms of numbers, qualifications, and experience as per the requirement Fifth Deans' Committee of ICAR. The Department has adequate number of experienced and dynamic faculty in all the sections of degree programme. The faculty upgrades their pedagogy skills continuously through workshops, training programs and interaction with the global community of teachers. Total 54 faulty are in place in various sections of the department. Details faculty position, section wise faculty strength, list and service details, their credentials as well as 05 adjunct faculties are shown in Table 4 to 8 here under:

Table 4: Faculty position against the sanctioned posts for the Degree Programme

S.N.	Faculty	Sanctioned	Faculty in Place	Vacant Position	Faculty recommended by the ICAR/UGC/VCI/other regulatory bodies
1.	Professor	3	23	+20	ICAR
2.	Associate Professor	8	05	-03	ICAR
3.	Assistant Professor	34	26	-08	ICAR
	Total	**45**	**54**	**+09**	

Table 5: Division/Departments/Sections and Cadre-wise faculty strength against required faculty strength as per 5th Dean Committee of ICAR.

Sr. No	Division/Departments/ Sections including mergers shown in bracket	Minimum Requirement	Teaching Staff required				Teaching Staff in Position			
			Professor	Associate Professor	Assistant Professor	Total	Professor	Associate. Professor	Assistant Professor	Total
A. Division/Departments										
1	Agronomy +(Agro-Forestry)	5	1	1	4+1	**7**	6	-	2	**8**
2	Agric. Economics+ (Basic Economics, Maths and Computer Science and Statistics)	5	0	1	2+3	**6**	4	-	5	**9**
3	Agricultural Extension & Communication + (Sociology and Psychology, English)	3	0	1	1+2	**4**	2	2	3	**7**
4	Entomology	2	0	1	2+0	**3**	-	-	3	**3**
5	Genetics and Plant Breeding	3	1	1	2+1	**5**	1	-	3	**4**
6	Horticulture +(Food Science & Technology)	4	1	1	2+1	**5**	2	-	3	**5**
7	Soil Science and Agriculture Chemistry + (Microbiology, Agro-meteorology, Environmental Sciences)	4	0	1	2+3	**6**	5	1	0	**6**
8	Plant Pathology	2	0	1	2+0	**3**	2	-	2	**4**
Total		**28**	**3**	**8**	**17+11**	**39**	**22**	**3**	**21**	**46**
9	Animal Sciences including Fisheries, Daily and Poultry	1	0	0	1+1	**2**	-	1	1	**2**
10	Agriculture Engineering +(Farm Management)	1	0	0	1+1	**2**	-	1	1	**2**
11	Biochemistry and Crop Physiology	1	0	0	1+1	**2**	1	-	3	**4**

Table 6: List and Service Details of Faculty

S. N.	I.D. No	Employee Name	Father Name/Husband name	Sex	Salary	D.O.B	Age	Designation	Specialization	Date of appointment	Period of Contract	Address	Experience	Contact No.	Pan No	Aadhar. No
I. Agronomy and Agro-Forestry																
1	240	Prof. (Dr.) Ganesh Ram Choudhary	Mr. Dayal Ram Chaudhary	M	UGC Norms	18.03.1950	71 Years	Professor	Agronomy	6.08.2016	Regular	43,Sukhija Vihar, Ganpatpura I, Mansarover, Jaipur-302020 (Raj)	34 Years	9414821487	AATPC8705D	977062050464
2	126	Prof.(Dr.) Shrawan Lal Sharma	Mr. Prahlad Ray Sharma	M	UGC Norms	06.08.1953	68 Years	Professor	Agronomy	19.01.2017	Regular	13-14, Raghunathpuri First -B, Near Pratap Narain Memorial Hospital, Opp Sector 6, Pratap Nagar, Sanganer, Jaipur-302033	35 Years	8209133069	ABUPS0198N	466239405104
3	354	Prof. H. S. Gupta	Mr. B. D. Gupta	M	UGC Norms	10.02.1952	69 Years	Professor	Agronomy	16.08.2018	Regular	67, Tulshi Nagar, Behind Choudhary Petrol Pump, Tonk Road, Jaipur	36 Years	9414370555	ADXPG6494N	304934414146
4	986	Prof.(Dr.) Yogendra Kumar	Mr. Shri Balveer Singh	M	UGC Norms	09.07.1958	63 Years	Professor	Agronomy	28.12.2020	Regular	143, Keshav Vihar, Saipath, Gopalpura, bypass, Jaipur-302018	31 Years	9460723364	ADIPK4441L	978063676555
5	987	Prof. (Dr.)Om Prakash Gill	Mr. Bhura Ram	M	UGC Norms	05.07.1953	68 Years	Professor	Agronomy	19.02.2021	Regular	D-79, Pavan Path, Hanuman Nagar, Vaishali Nagar, Jaipur	40 Years	9414447753	ACCPG3481D	537057445297
6	988	Prof.(Dr.) Gopal Lal Yadav	Mr. Bhura Ram Yadav	M	UGC Norms	01.01.1956	65 Years	Professor	Agronomy	19.02.2021	Regular	24, Suresh Nagar, Dugrapura, Tonk Road, Jaipur	40 Years	9460723336	AACPY5954H	917962330169
7	989	Dr. Kairovin Lakra	Mr. Bhaiya Lal	M	UGC Norms	06.07.1990	30 Years	Asst. Professor	Agronomy	05.04.2021	Regular	Vill-Subba Khera, Sandila, Hardoi, U.P.	-	9670155086	AUQPL3378J	651689672259
8	356	Mr. Praveen Bharadwaj	Mr. Harish Bhardwaj	M	UGC Norms	25.07.1995	26 Years	Asst. Professor	Agronomy	16.08.2018	Regular	Behind Bajaj Showroom, Balwant Nagar, (Tulsi Nagar) Guna-473001 (M.P.)	2.5 Year	8349046687	CPOPB0715E	766543638292

II. Agriculture economics +(Basic economics, Math's & Computer Science and Statistics)																
1	45	Prof.(Dr.) Vivek Kumar Sharma	Mr. Vijay Kumar Sharma	M	UGC Norms	17.11.1974	47 Years	Professor	Mathematies	07.10.2010	Regular	1601, Bagru Walon Ka Rasta, Jaipur	18 Years	9414443034	APQPS0401L	358727372520
2	990	Prof.(Dr.) Arun Kumar Naag	Mr.P.P. Naag	M	UGC Norms	01.08.1952	69 Years	Professor	Agriculture Economics	26.12.2020	Regular	52, Surya Nagar, Taron Ki Kunt, Tonk Road, Jaipur-302029	42 Years	9929597898	ABCPN6646G	508662253082
3	25	Prof.(Dr.) Kapil Khattar	Mr. Dharam Veer Khatter	M	UGC Norms	08.10.1974	47 Years	Professor	Agriculture Finance	16.06.2009	Regular	379, Sector 2, Jawahar Nagar, Jaipur-302004	20 Years	9828044221	ABAPK0276D	3097 2749 4613
4	566	Prof. (Dr.) Renu Bagoria	Mr. I.L. Bagoria	F	UGC Norms	22.06.1983	38 Years	Professor	Computer Science	03.08.2010	Regular	F-2, Wishva Residence, Kausal Nagar, Sanganer Jaipur-303901	13 Years	9772278440	AQZPB3962F	2367 8071 6558
5	273	Ms. Sarita Meena	Mr. Chhitar Mal	F	UGC Norms	30.01.1984	37 Years	Asst. Professor	Agricultural Economics	02.11.2016	Regular	Andeshwari Mohalla, Ward No-20, Ajitgarh, Srimadhopur,Sikar—332701	4 Years	7424830354	FLRPS44415L	748073444095
6	992	Dr. Narendra Kumar Meena	Mr. Mukesh Kumar Meena	M	UGC Norms	25.04.1992	29 Years	Asst. Professor	Agricultural Economics	06.04.2021	Regular	Villa Malawali Khohra, The Laxmangarh, Alwar Raj-321633	5 Years	8257032004	DWPPM9926K	560059092725
7	73	Mr. Hukum Saini	Mr. Chiranjee Lal Saini	M	UGC Norms	19.01.1984	37 Years	Asst. Professor	Computer Science	02.01.2009	Regular	38, Ward No.-16, Near Chaturbhuj Mandir, Chaksu,Jaipur-303901	10 Years	9352994400	BXYPS6666Q	242454188449
8	991	Mr. Prashant Bairwa	Mr. Phool Chand Bairwa	M	UGC Norms	02.01.1997	24 Years	Asst. Professor	Computer Science	16.08.2019	Regular	137, Ganesh Puri, Housing Board, Tonk, Rajasthan.	2 Years	9461817191	CFKPB0488L	366076961912
9	381	Mr. Sanjiv Kumar	Mr. Ram Kumar Singh	M	UGC Norms	2.03.1991	29 Years	Asst. Professor	Agri Business Management	19.02.2019	Regular	Village-Piprali,Distt. Sikar, Rajasthan	3 Years	7976858895	EFXPS0416G	8502 6627 9656

III. Agriculture Extension & Communication + (Sociology and Psychology, English)																
1	125	Prof. (Dr.) P.N. Kalla	Mr. Ruraj Navin Kalla	M	UGC Norms	07.02.1955	66 Years	Professor & Dean	Agriculture Extension Education	12.06.2015	Regular	3/31, Pradhan Marg, Malviya Nagar, Jaipur-302017	34 Years	9829196962	ACWPK8234E	850531617252
2	343	Prof.(Dr.) Geeta Mohan	Late Major K L Mohan	F	UGC Norms	30.10.1957	64 Years	Professor	Agriculture Extension Education	24.03.2018	Regular	H No-834, Shastri Nagar, Dadabari, Kota-324009	26 Years	9549497869	ADNPM4424G	933786742581
3	258	Dr. Nisha Meena	Mr. Nanuram Meena	F	UGC Norms	10.08.1990	30 Years	Asst. Professor	Agriculture Extension Education	16.08.2018	Regular	Behind Post Office, Sikko Ka Mohalla, Jobner Jaipur-303329	2 Years	7792051718	EWTPM1446K	358336955187
4	913	Mr. Amit Kumar	Mr. Manpal SIngh	M	UGC Norms	25.02.1992	28 Years	Asst. Professor	Agriculture Extension Education	04.01.2021	Regular	Near Bypass Road, Mohalla Sarai, Rampur, Sharanpur, U.P	2 Years	8059186594	HYHPK4037H	494022049584
5	311	Dr. Ankush Sharma	Mr. Kailash Chand Sharma	M	UGC Norms	05.06.1982	39 Years	Associate Professor	Psychology	19.07.2017	Regular	Ward No.-8, Chaksu, Dist-Jaipur-30391	8 Years	9509250803	DQAPS6495G	5834 5070 6307
6	305	Dr. Manju Gupta	Mr. Kalayan Shay	F	UGC Norms	11.07.1976	45 Years	Associate Professor	Sociology	01.08.2017	Regular	Vishnu Gupta, V/P Goner, Distt-Jaipur (Raj.)	6 Years	9166114404	BLAPG9546D	2694 4172 1107
7	73	Ms. Swati Chaturvedi	Dr. Pavan Puneet Vaid	F	UGC Norms	01.12.1977	44 Years	Asst. Professor	English	27.08.2011	Regular	43, Bhagat Watika, Civil Lines, Jaipur-302006	9 Years 1 Year	9828504333	AFUPC9083L	745340985906
IV. Entomology																
1	321	Mr. Ajay Kumar	Mr. Shishu Pal Singh	M	UGC Norms	01.07.1990	30 Years	Asst. Professor	Entomology	12.09.2017	Regular	VPO- Dilgoura, Distt. Sambhal, U.P-244302	3yr teac 3 yr Indus.	9799864546	DQPPK9571J	716535203934
2	339	Dr. Purti	Mr. Subhash Chander	F	UGC Norms	08.07.1991	29 Years	Asst. Professor	Entomology	04.12.2019	Regular	VPO- Kharawar, Near Post Office, Distt. Rohtak	1 Years	9996376160	CXHPP3054R	501497152383
3	387	Ms. Suman Singh	Mr. Sultan Singh	F	UGC Norms	12.08.1992	28 Years	Asst. Professor	Entomology	22.04.2019	Regular	Ward No-19, Model TownHakam Murti Garge Road, Behind Govt Hospital , Sriganga Nagar, Rajasthan	3 Years	9461999068	DIAPS1600D	969870565038

V. Genetics & Plant Breeding + (Seed Science & Technology)																
1	443	Prof.(Dr.) Srikant	Mr. Chandmal Sharma	M	UGC Norms	10.08.1952	69 Years	Professor	Genetics and Plant Breeding	26.12.2020	Regular	E059/1, Lotus Street, IV Avenue, Lal Bahadur Nagar, Tonk Road, Durgapura, Jaipur-302018	38 Years	9783269324	AOVPS4722E	587402801506
2	994	Dr. Aparna	Mr. Nagendra Pati Tripathi	F	UGC Norms	01.01.1990	31 Years	Asst. Professor	Genetics and Plant Breeding	27.03.2021	Regular	Flat No12 E, Block BA, DDA Flats Munarika, New Delhi	1 Year	9205812971	BXHPA7601Q	736744365727
3	298	Mr. Bhupender Singh Tyagi	Mr. Hakim Singh Tyagi	M	UGC Norms	01.07.1989	32 Years	Asst. Professor	Plant Breeding and Genetics	29.03.2017	Regular	Plot no-I-13, Indra Verma Colony, Shastri Nagar, Jaipur-302016	3 Years	9079962015	AOEPT1182N	878606903423
4	996	Mr. Suresh Nyol	Mr. Devat Ram	M	UGC Norms	01.03.1993	28 Years	Asst. Professor	Plant Breeding and Genetics	03.04.2021	Regular	Vill- Rupana Jatan Distt. Sirsa HR	5 Months	8295078206	HEUPS5696H	385363066073
VI. Horticulture + (Fruit Science & Technology)																
1	997	Prof. (Dr.) Jai Shanker Mishra	Mr. R.M. Mishra	M	UGC Norms	15.01.1960	62 Years	Professor	Horticulture	28.12.2020	Regular	74/136, Shipra Path, Near Tagore Hospital Mansarover, Jaipur-302020	25 Years	9413331508	ACOPM7219H	338271173039
2	998	Prof. (Dr.) Inder Mohan Verma	Mr. B.R. Verma	M	UGC Norms	22.06.1958	64 Years	Professor	Horticulture	26.12.2020	Regular	215, Gandhi Colony, Bikaner-334001	31 Years	9414230566	AAXPV1223F	860617857767
3	405	Dr. Praveen Kumar Sharma	Mr. Arvind Kumar Sharma	M	UGC Norms	09.07.1988	33 Years	Asst. Professor	Horticulture	07.11.2019	Regular	H.No-151, Ratanpura, Mau, U.P	1.5 Years	8901406358	GRWPS1577M	280186492714
4	323	Mr. Kapil Sharma	Sh. Om Prakash Sharma	M	UGC Norms	18.08.1990	30 Years	Asst. Professor	Horticulture	15.09.2017	Regular	Behind Police Station, Bhusawar, Bharatpur Raj	2 Years	7597148999	BUDPK3719E	342565937866
5	999	Mr. Nilesh Sharma	Mr. Subhash Sharma	M	UGC Norms	23.01.1992	28 Years	Asst. Professor	Vegetable Science	09.04.2021	Regular	49, Sanjay Colony, Dhamnod, Ratlam, M P -457001	2 Years	8959878826	FRZPS2235C	656806622425

VII. Soil Science & Agricultural Chemistry + Microbiology, Agro-meteorology, Environmental Science																
1	218	Prof.(Dr.) Mahesh Chand Bohra	Shri Jawan Mal Bohra	M	UGC Norms	04.09.1955	66 Years	Professor	Soil Science & Agri. Che.	11.02.2016	Regular	06, Dilip Nagar, (Bang-B) Lal Sagar, Jodhpur-342304	35 Years	9413320354	AANPV4620L	917345649008
2	993	Prof. (Dr.) Narendra Singh Parihar	Mr. J.S. Parihar	M	UGC Norms	09.09.1953	68 Years	Professor	Soil Science & Agri. Che.	25.01.2021	Regular	24, Surya Nagar, B-Block, Tonk Road, Jaipur-302029	36 Years	9413968734	AARPP9472A	
3	416	Prof. (Dr.) Dinesh K Pareek	Mr. Dayal Pareek	M	UGC Norms	26.11.1957	64 Years	Professor	Soil Science & Agri. Che.	25.01.2021	Regular	152/44, Shipra Path, Mansarover, Jaipur	32 Years	8003986109	AGQPP9619N	808794963404
4	13	Prof.(Dr.) Ranjeeta Soni	Mr. Govind Lal Soni	F	UGC Norms	02.11.1980	41 Years	Professor	Environmental Sciences	01.08.2008	Regular	72-A, Bhagirath Nagar, Tonk Phatak, Jaipur-302015 (Raj.)	16 Years	9413901810	CAQPS3919E	995418227673
5	65	Dr. Anil Kumar Sharma	Mr. Shekhar Chandra Sharma	M	UGC Norms	12.07.1980	41 Years	Professor	Soil Science & Agri. Chemistry	11.01.2011	Regular	C-234, Tilak Nagar, Dayanand Marg, Nr. LBS College, Jaipur-302004	11 Years	9571274892	BNSPS2685B	836074560827
6	10	Dr. Amit Goswami	Mr. Vigyan Sagar Goswami	F	UGC Norms	03.06.1985	36 Years	Associate Professor	Agri Meteorology	21.01.2011	Regular	Nr. Hanuman Dam, Bh. Bagiya Sikandar-Kampoo, Lahkar, Gwalior (MP)-474001	9 Years	9509095042	AOUPG6285P	282716157522
VIII. Plant Pathology																
1	337	Prof.(Dr.) Om Prakash sharma	Late Shri Ganga Sahai Sharma	M	UGC Norms	17.08.1957	64 Years	Professor	Plant Pathology	09.03.2018	Regular	36 Udai Nagar-A Near Mansarover Metro Station, Jaipur-302019	32 Years	9414985498	ABUPS0018F	231700607064
2	417	Prof. (Dr.) Asha Shivpuri	Mr. Jaswant Singh Singhavi	M	UGC Norms	08.06.1953	68 Years	Professor	Plant Pathology	27.01.2021	Regular	B-120, Bhabla Marg, Tilak Nagar, Jaipur-302002	37 Years	9829050706	AIWPS2426G	714495467863
3	418	Ms. Sushila Chaudhary	Mr. Anandi Lal Takar	F	UGC Norms	10.12.1996	24 Years	Asst. Professor	Plant Pathology	24.03.2021	Regular	VPO - Takaro Ki Dhani, Bhainsawa, via- Renwal, Bhainsawa, Jaipur-303603	-	8000128272	BLOPC1796F	655679892236
4	322	Mr. Dev Prakash Gochar	Sh. Prahalad Gochar	M	UGC Norms	18.08.1990	30 Years	Asst. Professor	Nemotology	12.09.2017	Regular	Narpathkheri, Jharganv, Digodh, Kota	2 Years	9929251967	CJCPG4576Q	893204562101

IX. Animal Science including Fisheries, Dairy Science & Poultry Units																
1	419	Dr. Preeti Nair	Mr. K.V. Narayan	F	UGC Norms	23.10.1979	41 Years	Associate Professor	Fisheries	24.03.2021	Regular	A-86, Shyam Vatika, Mansarover, 302020	9 Years	9461262489	AKSPN5023G	351301718580
2	995	Mr. Gitesh Mishra	Mr. Dinesh Mishra	M	UGC Norms	26.03.1987	34 Years	Asst. Professor	Animal Science	25.03.2021	Regular	82/78, Aravali Marg, Mansarover, Jaipur-302020	4 Years	9351209060	BSRPM6367G	789250882338
X. Agriculture Engineering + (Farm Management)																
1	367	Dr. Amit Saraf	Mr. Bjrang Lal Saraf	M	UGC Norms	24.11.1979	41 Years	Associate Professor	Agricultural Engineering	01.11.2018	Regular	Shri Gopal Medical Hall, Main Market, Fatehpur Shekhawati, Sikar-332301	15 Years	9928396705	AXAPS2157H	905973167166
2	421	Ms. Maddali Anusha	Mr. M.B. Chandrapal	F	UGC Norms	15.08.1992	28 Years	Asst. Professor	Agricultural Engineering	25.03.2021	Regular	Flat No-403, 4th Floor, Near Mikado Kids School, Shonhagpura Circle, Udaipur	-	8696699933	BRNPM4272P	509029135081
XI. Biochemistry & Crop Physiology																
1	90	Prof.(Dr.) A.K. Purohit	Mr. R.C. Purohit	M	UGC Norms	01.06.1949	72 Years	Professor	Crop Physiology	10.12.2019	Regular	Hakim Sahib ki Hawli, Banawaton ki gali, Jalap Mohalla, Jodhpur	41 years	8290639891	AKBPP3550D	680277502069
2	208	Dr. Dalpat Lal	Mr. Hari Ram	M	UGC Norms	15.11.1987	34 Years	Asst. Professor	Plant Bio-Technology /Bio Chemistry	19.01.2016	Regular	Badoda Gaon, Jaisalmer, Rajasthan-345001	5 Years	9482288505	AOKPL0242F	210072091615
3	109	Dr. Preeti	Mr. Ishwar Singh	F	UGC Norms	07.01.1992	28 Years	Asst. Professor	Molecular Biology/ Bio-Technology	04.12.2019	Regular	Bank Colony, Bhiwani (HR)-127021	2 Years	9728655442	CRPPP0545K	346593260626
4	422	Dr. Ajeev Kumar	Mr. Jai Singh	F	UGC Norms	01.01.1889	31 Years	Asst. Professor	Plant Physiology	04.01.2021	Regular	Village- Chandedi, Distt. Bhiwani, Haryana	5 Years	8053908033	GJWPK3787B	885396731004

Note: Form 16 available for the above faculty has been attached as **Annexure-17.**

Table 7: Credentials of the Faculty

S. N.	I.D. No	Employee Name	Designation	Highest Qualification	Teaching, research and extension experience	Awards/ Honours	Research papers published	Book/Book Chapters	Conference	Internati onal visits	PG Student guidance experience	Distinctive Achievement in Career
I. Agronomy and Agro-Forestry												
1	240	Prof. (Dr.) Ganesh Ram Choudhary	Professor	Ph.D.	34 Years	01	36	05	29	-	17	Ex Officer in-charge, ORP, Chittor garh, KGK in-charge Bhilwara. 9 Varieties of various seed species.
2	126	Prof.(Dr.) Shrawan Lal Sharma	Professor	Ph.D.	35 Years	02	11	-	25	01	-	P.I. Agronomy, Coordinator FLD, Member VRC, Drawing disbursing officer In-charge, Farm In-charge, RARI, Durgapura, SKANU.
3	354	Mr. H. S. Gupta	Professor	M.Sc.(Ag,)	36 Years	06	14	-	46	-	-	Ex-Joint Director, State Institute of Agriculture, Tonk, Govt. of Rajathan.
4	986	Prof.(Dr.) Yogendra Kumar	Professor	Ph.D.	31 Years	-	44	01	20	-	-	Release five varieties of Groundnut, 42 recommendations in package and practices of groundnut.
5	987	Prof. (Dr.)Om Prakash Gill	Professor	Ph.D.	40 Years	02	42	05	85	01	05	Former Vice Chancellor, MPUAT, Udaipur, Ex-Director RARI, Durgapura, Member in Selection committee of RPSC
6	988	Prof.(Dr.) Gopal Lal Yadav	Professor	Ph.D.	40 Years	-	26	05	10	-	-	HOD, Department of Agronomy, RARI, Durgapura, Five varieties of Pearl Millet. 19 recommendations in package and practices of Pearl Millet.

7	989	Dr. Kairovin Lakra	Asst. Professor	Ph.D.	-	01	10	02	07	-	-	ICAR-Non SRF (Ph.D.)
8	356	Mr. Praveen Bharadwaj	Asst. Professor	M.Sc.(Ag.)	1 Year	-	03	-	02	-	-	-
II. Agriculture economics +(Basic economics, Math's & Computer Science and Statistics)												
1	45	Prof.(Dr.) Vivek Kumar Sharma	Professor	Ph.D.	18 Years	-	39	07	09	-	07	Head, Department of Physical Science, Dean, Faculty of Engineering Dean Research, Chief Editor, Jagan Nath University Research Journal.
2	990	Prof.(Dr.) Arun Kumar Naag	Professor	Ph.D.	42 Years	-	34	01	25	-	05	Ex-DDO at ARS, Durgapura, Founder Secretary Academy of Agriculture and Allied Sciences and Technology.
3	25	Prof.(Dr.) Kapil Khattar	Professor	Ph.D.	19 Years	-	23	-	30	-	57	-
4	566	Prof. (Dr.) Renu Bagoria	Professor	Ph.D.	13 Years	-	15	-	9	-	-	-
5	27	Ms. Sarita Meena	Asst. Professor	M.Sc. (Ag)	3 years	-	02	-	02	-	-	-
6	992	Dr. Narendra Kumar Meena	Asst. Professor	Ph.D.	5 Years	09	17	05	25	-	-	-
7	73	Mr. Hukum Saini	Asst. Professor	NET, MCA	10.5 Years	-	04	-	10	-	02	UGC-NET Qualified
8	991	Mr. Prashant Bairwa	Asst. Professor	NET, M.Tech	2 Years	-	-	-	02	-	-	UGC-NET Qualified
9	381	Mr. Sanjiv Kumar	Asst. Professor	MBA (Agri.)	3 Years	01	02	-	05	-	-	-

III. Agriculture Extension & Communication + (Sociology and Psychology, English)												
1	125	Prof. (Dr.) P.N. Kalla	Professor & Dean	Ph.D.	34 Years	09	73	05	65	01	34	Founder Director Extension, SKRAU, Bikaner and section 10 KVK from ICAR in 2012 in larger district of Rajasthan.
2	343	Prof.(Dr.) Geeta Mohan	Professor	Ph.D.	27 Years	02	03	-	37	02	03	Ex Project Director, Department of Women and Child Development, Ex in-charge, KVK Badgaon, Udaipur, District Project Manager, Poverty initiative project (World Bank).
3	258	Dr. Nisha Meena	Asst. Professor	Ph.D.	2.5 Years	04	07	-	20	-	-	Gold Medallist in M.Sc. and National Fellowship for Higher Education in Ph.D.
4	913	Mr. Amit Kumar	Asst. Professor	NET, M.Sc.(Ag.)	2 Years	02	06	-	09	-	-	-
5	311	Dr. Ankush Sharma	Assoc. Professor	Ph.D.	8 Years	01	-	-	-	-	-	HOD, Department of Education, Jagan Nath University.
6	305	Dr. Manju Gupta	Assoc. Professor	Ph.D.	8 Years	01	13	03	10	-	-	UGC-NET, PG in five Subject, MOOC courses- 8
7	73	Ms. Swati Chaturvedi	Asst. Professor	NET,M.Com	9 Years 1 Year (Industry)	-	01	-	05	-	-	UGC-NET
IV. Entomology												
1	321	Mr. Ajay Kumar	Asst. Professor	NET, M.Sc.(Ag.)	3(Ind) +3 Years (Taeching)	06	23	01	25	-	-	Gold Medallist in M.Sc.(Ag.)
2	339	Dr. Purti	Asst. Professor	Ph.D.	1.5 Year	01	05	02	21	-	-	ICAR Scholarship in B.Sc. and Merit Scholarship in M.Sc. and Ph.D.

3	387	Ms. Suman Singh	Asst. Professor	NET, M.Sc.(Ag)	3 Years	-	04	-	03	01	-	Gold Medallist in M.Sc.(Ag.), SRF in DPPQ&S, Faridabad.
V. Genetics & Plant Breeding + (Seed Science & Technology)												
1	443	Prof.(Dr.) Srikant	Professor	Ph.D.	38 Years	-	25	01	35	-	-	Release five Pearl Millet Hybrids, two barley varieties at national level
2	994	Dr. Aparna	Asst. Professor	Ph.D.	1 Year	05	03	02	08	-	-	ICAR-SRF (Rank-2nd)
3	298	Mr. Bhupender Singh Tyagi	Asst. Professor	M.Sc.(Ag)	3 Years	-	05	01	02	-	-	JRF and Seed Officer in Private organization
4	996	Mr. Suresh Nyol	Asst. Professor	M.Sc.(Ag) Ph.D.(P)	5 Months	-	10	03	12	-	-	Three times ICAR NET qualified, ARS mains
VI. Horticulture + (Fruit Science & Technology)												
1	997	Prof. (Dr.) Jai Shanker Mishra	Professor	Ph.D.	25 Years	-	08	05	19	-	-	Former Dean and Zonal Director Research, SKNAU, Jobner.
2	998	Prof. (Dr.) Inder Mohan Verma	Professor	Ph.D.	32 Years	12	18	01	24	01	-	Founder Director, Landscape and Planning, Chief Scientist at KVK, Bikaner, HOD, Department of Horticulture, SKRAU, Bikaner,
3	405	Dr. Praveen Kumar Sharma	Asst. Professor	Ph.D.	1.5 Years	-	05	01	07	-	-	-
4	323	Mr. Kapil Kumar Sharma	Asst. Professor	M.Sc.(Ag)	3 Years	-	03	-	01	-	-	-
5	999	Mr. Nilesh Sharma	Asst. Professor	NET, M.Sc.(Ag.)	2 Years	-	03	01	04	-	-	-
VII. Soil Science & Agricultural Chemistry + Microbiology, Agro-meteorology, Environmental Science												
1	218	Prof.(Dr.) Mahesh Chand Bohra	Professor	Ph.D.	35 Years	-	23	-	10	-	-	Founder CSH, KVK, Falaudi, Jodhpur, Former Dean, College of Agriculture, Mandore, Jodhpur.

2	993	Prof. (Dr.) Narendra Singh Parihar	Professor	Ph.D.	36 Years	-	52	05	39	-	-	Ex Chief Scientist in Pesticide residue project and developed international pesticide residue analysis lab at RARI, Durgapura, Jaipur. PI of ICAR on AICRP on Pesticides Residue and Water Management.
3	416	Prof. (Dr.) Dinesh K Pareek	Professor	Ph.D.	32 Years	-	21	-	25	-	-	Scholar of Ministry of Higher Education, Govt. of India, Congress of Soil Science in Moscow (USSR), Hamburg, Germany and at Montpellier, France.
4	13	Prof.(Dr.) Ranjeeta Soni	Professor	Ph.D.	16 Years	01	10	04	15	-	01	Dean Student Welfare
5	65	Dr. Anil Kumar Sharma	Professor	Ph.D.	11 Years	-	24	03	23	-	-	-
6	10	Dr. Amit Goswami	Asst. Professor	Ph.D.	11 Years	04	05	-	06	-	-	-
VIII. Plant Pathology												
1	337	Prof.(Dr.) Om Prakash Sharma	Professor	Ph.D.	32 Years	-	32	-	21	-	03	Chief Scientist, Chickpea Project, Department of Plant Pathology, RARI, Durgapura, 3 Varieties of Chickpea.
2	417	Prof. (Dr.) Asha Shivpuri	Professor	Ph.D.	37 Years	12	65	-	29	08	01	Ex Professor and Head, Department of Plant Pathology, RARI, Durgapura.
3	418	Ms. Sushila Chaudhary	Asst. Professor	NET, M.Sc.(Ag) Ph.D. (P)	6 Months	01	07	-	02	-	-	Perusing Ph.D.
4	322	Mr. Devprakash Gochar	Asst. Professor	M.Sc.(Ag)	3 Years	-	04	-	02	-	-	Department Toppers in M.Sc

IX. Animal Science including Fisheries, Dairy Science & Poultry Units												
1	419	Dr. Preeti Nair	Associate Professor	Ph.D.	9 Years	-	04	-	03	-	-	Department Toppers in M.Sc.
2	995	Mr. Gitesh Mishra	Asst. Professor	NET, M.Sc.(Ag) Ph.D. (P)	4 Years	02	06	-	02	-	-	ICAR-SRF (Rank First)
X. Agriculture Engineering + (Farm Management)												
1	367	Dr. Amit Saraf	Associate Professor	Ph.D.	15 Years	-	12	01	02	-	05	
2	421	Ms. Maddila Anusha	Asst. Professor	M.Tech (Ag.Engg.) Ph.D. (P)		05	04	-	10	-	-	Gold Medallist in M.Tech and Rajiv Gandhi National Fellowship.
XI. Biochemistry & Crop Physiology												
1	90	Prof.(Dr.) A.K. Purohit	Professor	Ph.D.	41 Years	01	80	06	45	-	16	Ex Director, ASC-DEC, P&M and DEE, SKRAU, Bikaner.
2	208	Dr. Dalpat Lal	Asst. Professor	Ph.D.	4 Years	04	09	01	07	-	-	DBT Scholarship in M.Sc. and Ph.D.
3	109	Dr. Preeti	Asst. Professor	Ph.D.	2 Years	-	05	02	09	-	-	-
4	422	Dr. Ajeev Kumar	Asst. Professor	Ph.D.	5 Years	-	16	02	17	-	-	Two times IACR-NET Qualified
Total						**95**	**916**	**81**	**915**	**15**	**149**	

Table 8: Details of Guest/Adjunct Faculty

S.N.	Name of Adjunct Faculty with Designation
1.	Prof. V. S. Kulhari, Former Director Extension, MPUAT, Udaipur
2.	Prof. B. M. Sharma, Former Dean, RCA, MPUAT, Udaipur
3.	Prof. Arun Kumar, Principal Scientist, Plant Patholgy, CAZRI, Jodhpur
4.	Prof. S. N. Sharma, Former Dean, SKNAU, Jobner
5.	Prof. B. R. Chhipa, Former Vice Chancellor, SKRAU, Bikaner

The Department of Agriculture has experienced and dynamic faculty in adequate numbers as per the requirements including Professors, Associate Professor and Assistant Professors. The Department has 23 dynamic, versatile and well experience Professors in different mandates of SAU's i.e. Teaching, Research and Extension. They have experience in teaching, research and extension at national and international level. Some of them have developed various hybrids and crop varieties, laboratories for pesticide residue analysis and other agricultural activities and recommendation for package and practices for crop production. The young faculty at Associate and Assistant Professors levels are duly qualified as per norms and have earned merits in academics and research in their career with high credential.

6.4.3 Technical and Supporting Staff

The Department of Agriculture has engaged experienced technical and supporting staff as per the requirement 5th Deans' Committee of ICAR. The Department has 43 technical and supporting staff to enhance the teaching learning process. They have experience in handling and maintenance of various equipments of laboratories. Section wise details and Service details of Technical and supporting staff as follow:

Table 9: Division/Departments/Sections and cadre-wise Technical and Supporting Staff Strength against requirement of staff as per 5th Dean Committee of ICAR

S. N.	Divisions/Departments /Sections	Staff required				Staff in Position			
		Assistant	Lab Asstt	Field Asstt.	Total	Assistant	Lab Asstt	Field Asstt	Total
1	Agronomy +(Agro-Forestry)	1	2	3	**6**	1	1	3	**5**
2	Agric. Economics+ (Basic Economics, Maths and Computer Science and Statistics)	1	3	-	**4**	1	3	1	**5**
3	Agricultural Extension & Communication + (Sociology and Psychology, English)	1	1	-	**2**	1	-	1	**2**
4	Entomology	1	1	1	**3**	1	1	1	**3**
5	Genetics and Plant Breeding	1	2	2	**5**	1	2	2	**5**
6	Horticulture (Post Harvest Technology)	1	2	2	**5**	1	2	1	**4**

7	Soil Science & Agric. Chemistry + (Microbiology, Agro-Meteorology, Environmental Science)	1	3	1	**5**	1	2	2	**5**
8	Plant Pathology	1	2	1	**4**	1	1	1	**3**
9	Animal Sciences including Fisheries, Daily and Poultry	1	1	1	**3**	1	1	1	**3**
10	Agriculture Engineering + (Farm Management)	1	1	2	**4**	1	2	1	**5**
11	Biochemistry, Biotechnology and Crop Physiology	1	1	-	**2**	1	1	1	**3**
Total		**11**	**19**	**13**	**43**	**11**	**16**	**16**	**43**

Table 10: List and Service Details of Technical staff

S. N	I.D. No	Employee Name	Father Name	Sex	Salary	D.O.B	Age	Highest Qualification	Designation	Date of appointment	Period of Contract	Address	Exp	Contact No.	Pan No	Aadhar. No
I. Agronomy and Agro-Forestry																
1	354	Prof. H. S. Gupta	Mr. B. D. Gupta	M	As Per Norms	10.02.1952	69 Y	M.Sc. (Ag)	Professor	16.08.2018	Regular	67, Tulshi Nagar, Behind Choudhary Petrol Pump, Tonk Road, Jaipur	38 Years	9414370555	ADXPG6494N	304934414146
2	362	Mr. Manish Olaniya	Mr. Ram Chandra Olaniya	M	As Per Norms	26.06.1993	28 Y	M.Sc. (Ag)	Lab Assistant	14.03.2020	Regular	52, Radha Niwas, Mangaliyawas, Ajmer-305203	1 Year	9929923747	ADXPO2283R	908792954757
3	98	Mr. Sitaram Meena	Late Mr. Jaila Ram Meena	M	As Per Norms	30.12.1976	45 Y	8th	Field Assistant	11.01.2009	Regular	Vill.-Girdharilal Pura, Tehsil.-Chaksu, Distt.-Jaipur	12 Years	9928812549	BNNPM2665L	523646416442
4	99	Mr. Chittar Meena	Late Mr. Lalaram Meena	M	As Per Norms	09.07.10974	47 Y	8th	Field Assistant	2.08.2010	Regular	Vill.-Girdharilal Pura, Tehsil.-Chaksu, Distt.-Jaipur	10 Years	9928935643	ASBPC4622P	809567902349
5	C-27	Mr. Ramdhan Meena	Mr. Gopal Meena	M	As Per Norms	11.09.1987	34 Y	12th	Field Assistant	1.08.2015	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	5 Years	8890456236		890402977228
II. Agriculture economics +(Basic economics, Math's & Computer Science and Statistics																
1	273	Mrs. Sarita Meena	Mr. Chhitar Mal	F	As Per Norms	30.01.1984	37 Y	M.Sc. (Ag)	Asst. Professor	02.11.2016	Regular	Andeshwari Mohalla, Ward No-20, Ajitgarh, Srimadhopur,Sikar--332701	4 years	904828326	FLRPS44415L	748073444095
2	248	Mr. Sunil Sharma	Mr. L.N. Sharma	M	As Per Norms	12.08.1987	34 Y	BCA	Lab Assistant	20.04.2012	Regular	Kot Ka Mohalla, Ward No.-6, Chaksu, Jaipur	12 Years	9166919009	CXBPS0868N	224245808651
3	162	Mr. Yogesh Sharma	Late. Mr. Bhanwar lal Sharma	M	As Per Norms	1.08.1980	41 Y	BCA	Lab Assistant	20.04.2011	Regular	Ward. No.-15, Khatiyon ka Mohalla, Chaksu,	9 Years	9057523726	ADZPY0311L	514418470801
4	190	Mr. Ganesh Gotam	Mr. Satya Narayan Gotam	M	As Per Norms	05.07.1992	29 Y	Certificate in C H	Lab Assistant	17.09.2019	Regular	VPO- Sheetla, Chaksu, Jaipur.303901	2 Years	9680145599	CMMPG9956P	551836813445

5	C-30	Mr. Chotu Lal Gurjar	Mr. Mulchand	M	As Per Norms	01.01.1973	48 Y	10th	Field Assistant	16.04.2014	Contract renewed for next 5 Years	Gram Bhoortiya Kalan Post Girdharilalpura, Chaksu, Jaipur-303901	9 Years	9358424195		573985950020
III. Agriculture Extension & Communication + (Sociology and Psychology, English)																
1	343	Dr. Geeta Mohan	Late Major K L Mohan	F	As Per Norms	30.10.1957	64 Y	Ph.D	Professor	24.03.2018	Regular	H. No.-834, Shastri Nagar, Dadabari, Kota-324009	26 Years	9549497869	ADNPM4424G	933786742581
2	C-25	Mr. Hanuman Prasad	Shri Narayan	M	As Per Norms	01.01.1995	26 Y	12th	Field Assistant	13.11.2014	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	6 Years	8239186960		523168893581
IV. Entomology																
1	387	Ms. Suman Singh	Mr. Sultan Singh	F	UGC Norms	12.08.1992	27 Yeas rs	M.Sc. (Ag)	Asst. Professor	22.04.2019	Regular	Ward No-19, Model TownHakam Murti Garge Road, Behind Govt Hospital , Sriganga Nagar, Rajasthan	3 Years	9461999068	DIAPS1600D	969870565038
2	178	Mr. Hemraj Lalawat	Mr. Ram Nath	M	As Per Norms	15.06.1975	46 Y	ITI	Lab Assistant	02.07.2011	Regular	78-C, Narayan Vihar-I, Rampura Road, Sanganer, Jaipur	8 Years + 3 Years Industries	9929961841	AUWPR1480K	528336910317
3	C-13	Mr. Hem Raj Choudhary	Mr. Badri Narayan Choudhary	M	As Per Norms	01.01.1991	29 Y	12th	Field Assistant	9.11.2015	On contract for 5 Years	Birdhapura, Swamika Bas, Chaksu, Jaipur-303901	7 Years	6377641254		333565286094
V. Genetics & Plant Breeding + (Seed Science & Technology)																
1	298	Mr. Bhupendra Tyagi	Mr.Hakim Singh Tyagi	M	As Per Norms	1.07.1989	31 Y	M.Sc. (Ag)	Asst. Professor	29.03.2017	Regular	Plot no-I-13, Indra Verma Colony, Shastri Nagar, Jaipur-302016	3 Years	8561857393	AOEPT1182N	878606903423
2	87	Mr. Kaushal Gothwal	Mr. OM Prakash Gothwal	M	As Per Norms	16.07.1977	44 Y	Diploma in Electronics	Lab Assistant	02.09.2009	Regular	H.No. B-405, Mahesh Nagar, Jaipur-302015	10 Years	9887173469	AJBPG8048C	824751004692

3	142	Mr. Mukesh Kumar Saini	Mr. Jagdish Saini	M	As Per Norms	08.04.1992	28 Y	Diploma	Lab Assistant	17.11.2018	Regular	Bichla Bas, Garh Himat Singh, Dausa-321609	6 Years	9785347319	JGGPS1857G	598891084747
4	C-14	Mr. Narsi Lal	Mr. Ramkishore Meena	M	As Per Norms	5.11.1989	31 Y	8th	Field Assistant	20.07.2015	On contract for 5 Years	Girdhari lalpura, Chaksu Jaipur-303901	4 Years	7742441749	FHAPM2478C	962927513886
5	C-15	Mr. Kalu Ram Meena	Mr. Laluram Meena	M	As Per Norms	13.04.1996	25 Y	12th	Field Assistant	28.07.2015	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	5 Years	8769101554		847889117868
VI. Horticulture + (Fruit Science & Technology)																
1	323	Mr. Kapil Sharma	Mr. Om Prakash Sharma	M	As Per Norms	18.08.1990	30 Y	M.Sc (Ag)	Asst. Professor	15.09.2017	Regular	Behind Police Station, Bhusawar, Bharatpur Raj	3 Years	7597148999	BUDPK3719E	342565937866
2	363	Ms. Namarta Kanwar	Mr. Bhupendra Singh	F	As Per Norms	10.11.1995	26 Y	B.Sc. (Ag.)	Lab Assistant	07.02.2020	Regular	M-15, Madhuvan Colony, Tonk Fatak, Jaipur-303901	1 Year	8949513272	JNKPK9361J	515055002810
3	102	Mr. Likama Ram Bharia	Mr. Rameshwar Bharia	M	As Per Norms	05.08.1982	39 Y	Diploma	Lab Assistant	2.08.2018	Regular	Bathod, Sikar, Rajasthan-332301	8 Years	9413145481	ANHPB0019Q	756487894975
4	C-20	Mr. Bharthari Lal	Mr. Mangala Ram Gurjar	M	As Per Norms	01.01.1982		12th	Field Assistant	11.08.2015	On contract for 5 Years	Bhurtiya Kalan, Chaksu, Jaipur-303901	7 years	7665700277		465048460285
VII. Soil Science & Agricultural Chemistry + Microbiology, Agro-meteorology, Environmental Science																
1	218	Dr. M. C. Bohra	Mr. Jawan Mal Bohra	M	As Per Norms	4.09.1955	66 Y	Ph.D	Professor	11.02.2016	Regular	06, Dilip Nagar, (Bang-B) Lal Sagar, Jodhpur-342304	35 Years	9413320354	AANPV4620L	917345649008
2	112	Mr. Indrajeet	Mr. Kalu Ram	M	As Per Norms	20.07.1988	33 Y	M.Sc.(Phy)	Lab Assistant	19.08.2010	Regular	VPO-Shimbhupura, Via.-Maroth, Tehsil-Nawa, Distt.-Nagour (Raj.) 341507	10 Years	8696734224	ABWPI2278M	530889569763
3	25	Mr. Hari Shankar Yadav	Mr. Bheeva Ram Yadav	M	As Per Norms	02.08.1983	39 Y	B.Sc.	Lab Assistant	02.01.2009	Regular	VPO- Shikarpura, Ward No.-31, Tehsil-Sanganer, Jaipur-302029	10 Years	8058055190	AEGPY9643B	925729360812
4	C-24	Ms. Santosh	Mr. Ramswaroop Gurjar	F	As Per Norms	05.07.1962	59 Y	8th	Field Assistant	12.08.2014	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	6 Years	7425955718		271029461036

5	C-28	Mr. Mukesh Meena	Shri Ramji Lal Meena	M	As Per Norms	10.07.1999	22 Y	10th	Field Assistant	4.08.2015	On contract for 5 Years	Beed Peenar pura, Chhandel Kalan,Chaksu, Jaipur303901	5 Years	9672050406		517308303811
VIII. Plant Pathology																
1	322	Mr. Dev Prakash Gochar	Sh. Prahalad Gochar	M	UGC Norms	18.08.1990	30 Y	M.Sc. (Ag.)	Nemotology	12.09.2017	Regular	Narpathkheri, Jharganv, Digodh, Kota	2 Years	9929251967	CJCPG4576Q	893204562101
2	339	Mr. Pitambar Dayal Nandawaria	Late Shri Prabhu Lal Verma	M	As Per Norms	28.09.1975	46 Y	B.Sc. (Bio)	Lab Assistant	14.03.2018	Regular	Ward No-4, Raigaro Ka Mohalla, Chaksu, Jaipur	15 Years	9928415085	DBHPM9537D	730531411554
3	C-19	Ms. Santi devi	W/o Dhanna Lal	F	As Per Norms	01.01.1967	54 Y	12th	Field Assistant	15.09.2015	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	8 Years			827250879634
IX. Animal Science including Fisheries, Dairy Science & Poultry Units																
1	995	Mr. Gitesh Mishra	Mr. Dinesh Mishra	M	UGC Norms	26.03.1987	34 Y	M.Sc. (Ag.)	Animal Science	25.03.2021	Regular	82/78, Aravali Marg, Mansarover, Jaipur-302020	4 Years	9351209060	BSRPM6367G	789250882338
2	290	Mr. Vikram Swami	Sh. Nayayan Chand	M	As Per Norms	12.07.1988	32 Y	B.Sc. (Ag.)	Lab Assistant	11.03.2017	Regular	Ward No.22, Addsar Bass, Shri Dungar Garh, Bikaner-331803	3 Years	9460546401	ESVPS2126A	854408779060
3	C-31	Ms. Panchi	W/o Shyoji Ram	F	As Per Norms	01.01.1979	42 Y	10th	Field Assistant	22.09.2015	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	8 Years			492213975328
X. Agriculture Engineering + (Farm Management)																
1	421	Ms. Maddali Anusha	Mr. M.B. Chandrapal	F	As Per Norms	15.08.1992	28 Years	M.Tech (Agri.Engg)	Agricultural Engineering	25.03.2021	Regular	Flat No-403, 4th Floor, Near Mikado Kids School, Shonhagpura Circle, Udaipur	-	8696699933	BRNPM4272P	509029135081
2	240	Mr. Ghanshyam Vyas	Mr. Devi Chand Vyas	M	As Per Norms	13.08.1955	66 Y	B.Sc. (Ag.)	Farm Manager	07.09.2015	Regular	3-GA-30, Pavanpuri Hoiusing Board, Biakner, Raj 334003	28 Years	9468848893	AASPV8563B	369678890678

3	368	Mr. Sachin Kumar	Mr. Keshav Das Swami	M	As Per Norms	27.05.1997	24 Y	B.Tech	Lab Assistant	20.11.2018	Regular	Near FCT godam, Jagdamba Colony, Newai, Tonk	8 Months	9680088142	LCYPS1812B	531984710167
4	115	Mr. Mangal Singh	Mr. Gopi Singh	M	As Per Norms	09.07.1976	45 Y	Diploma	Lab Assistant	02.08.2018	Regular	388 Pani ki tanki ke pass, Bhawani Khera, Ajmer-305401	10 Years	9887052722	FBAPS7792K	874961853440
5.	C-32	Mr. Daula Ram Gurjar	Mr.Sharwan Meena	M	As Per Norms	02.11.1993	28 Y	12th	Field Assistant	09.08.2017	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	10 Years	7296956732		898913367232
XI. Biochemistry & Crop Physiology																
1	208	Dr. Dalpat Lal	Mr. Hari Ram	M	As Per Norms	15.11.1987	31 Y	Ph.D.	Assistant Prof.	19.01.2016	Regular	Badoda Gaon, Jaisalmer, Rajasthan-345001	5 Years	9482288505	AOKPL0242F	210072091615
2	345	Ms. Deepika Gupta	Mr. Roopnarayan Gupta	F	As Per Norms	16.03.1996	25 Y	B.Sc.	Lab Assistant	07.05.2019	Regular	Ward No-17, Bhoodara Bazar, Karauli, Raj - 322241	2 Years	9521639540	CFVPG3048G	204949315036
3	C-26	Ms. Moti Devi	W/o Mr. Feli Ram	F	As Per Norms	01.01.1974	47 Y	12th	Field Assistant	23.06.2015	On contract for 5 Years	Girdharilal Pura, Chaksu Jaipur-303901	7 Years			578011736072

Note: Form 16 available for the above staff has been attached as Annexure 18.

6.4.4 Classrooms and Laboratories

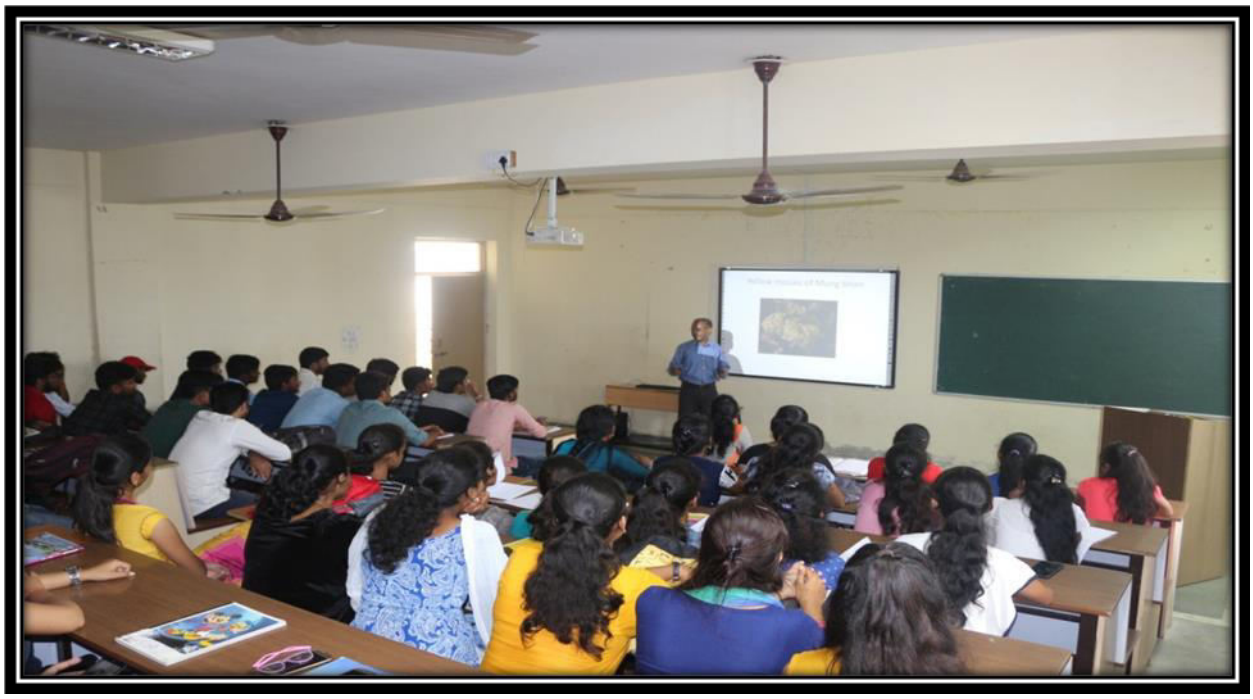
The Department of Agriculture has developed a robust infrastructure in the form of classrooms and laboratories required for providing quality education and research facilities to the students and faculty.

A. Classrooms

The Classrooms provide the most conducive atmosphere for dynamic and focused discussion and are a significant factor in creating harmony in the teacher student relationship. The spacious classrooms have been designed to propel an enquiry based learning that fosters liberation of mind and eagerness to learn. The Department has 16 class rooms including 06 smart class rooms with a seating capacity of 60 students in each class room. The Department also has 13 Laboratories with capacity of more than 30 students to work at a time. The batch size for theory class is 60 and for the batch size for practical class is 30 students.

Table 11: Average Number of Students in Theory and Practical Classes

Name of Degree Programme	Batch of Student in Theory Class	Batch of Students in Practical Class
B.Sc.(Hons.) Agriculture	60	30 (A1 batch)+ 30 (A2 batch)



Smart Class Room

B. Laboratories

The Department has well equipped functional laboratories to conduct practical classes for the Degree Programme. The Department also has 13 Laboratories with capacity of more than 30 students to work at a time. We have following functional laboratories based on ICAR/ 5th Deans' Committee recommendations:

1. Agronomy + Agro forestry
2. Agricultural Economics + (Basic Economics, Maths & Computer Science and Statistics)

3. Agriculture Extension & Communication + (Sociology and Psychology, English)
4. Entomology
5. Genetics & Plant Breeding + (Seed Science & Technology)
6. Horticulture
7. Soil Science and Agricultural Chemistry + (Microbiology, Environmental Sciences)
8. Agro meteorology
9. Plant Pathology
10. Animal Sciences
11. Dairy and Poultry
12. Agriculture Engineering + Farm Management
13. Central Library and Information System

The details of lab equipments are as under:

1. **Agronomy + Agro forestry**

S.N	Equipment	Required	No.(Available)
1.	Hot air oven	02	02
2.	Moisture box	30	30
3.	Moisture meter	05	05
4.	Tube Auger	10	10
5.	Bucket auger	10	10
6.	Weighing Balance	01	01
7.	Seed Germinator	02	01
8.	Conductivity Meter	01	01
9.	pH Meter	02	02
10.	Water Bath	01	01
11.	Shaker	01	01
12.	Chlorophyll Meter	01	01
13.	Drip and Sprinkler System	03	02
14.	Sprayer	03	03
	a. Foot Sprayer		01
	b. Hand Sprayer		01
	c. Knapsack Sprayer		01
15.	Spring Balance 50 Kg	05	05
16.	Spring Balance 10 Kg	05	05
17.	Top Pan Balance 1 kg capacity	05	05
18.	Top Pan Balance 2 kg capacity	05	05
19.	Meter Scale	10	05
20.	Tape	05	05
21.	Brix meter	02	02

2. **Agricultural Economics + (Basic Economics, Maths & Computer Science and Statistics)**

No.	Items	Required	No.(Available)

1.	Computers	15	30
2.	Camera	01	01
3.	Software	As per requirement	Available

3. Agriculture Extension & Communication + (Sociology and Psychology, English)

No.	Items	Required	No.(Available)
1.	LCD Projector	01	06
2.	Camera (SLR) with zoom, wide-angle, tele-photo lens	01	02
3.	Video camera with tripod, lighting accessories and editing facility	01	01
4.	Computers (workstation) with editing software's	01	01
5.	Digital voice recorders	05	05
6.	Audio recording-mixing consoles	01	01
7.	Computation software's for statistics	As per requirement	Available

4. Entomology

No.	Items	Required	No.(Available)
1.	Binocular Microscope	20	20
2.	Insect Box	60	60
3.	Insect Collection Nets	60	60
4.	Collection Bottles	60	60
5.	Insect Collection Big Boxes for Museum (1 for each order)	29	30
6.	Insecticides for showing students/Representative for each group	As per requirement	08
7.	Stereomicroscope	01	01
8.	Electronic Balance	01	01
9.	Soxhlet Extraction Apparatus	01	01
10.	Oven	01	01
11.	Sprayers	01 of each type	03
12.	Light traps	01	01
13.	Fumigation Chamber	01	01
14.	Slides/cover slips	As per requirement	2500
15.	pH meter	01	01
16.	Computer with printer	01	01 set
17.	Killing Bottles	60	60
18.	Insect Specimen	0	10
19.	Forceps	0	70

20.	Simple Microscope	0	01

5. Genetics & Plant Breeding + (Seed Science & Technology)

a. Genetics

No.	Items	Required	No.(Available)
1.	Microscope	10	10
2.	Binocular microscope	10	10
3.	Electronic Moisture Meter	02	01
4.	Electronic Balance	02	02
5.	Automatic seed/grain counter	01	01
6.	Seed Germinator	02	01

b. Biotechnology

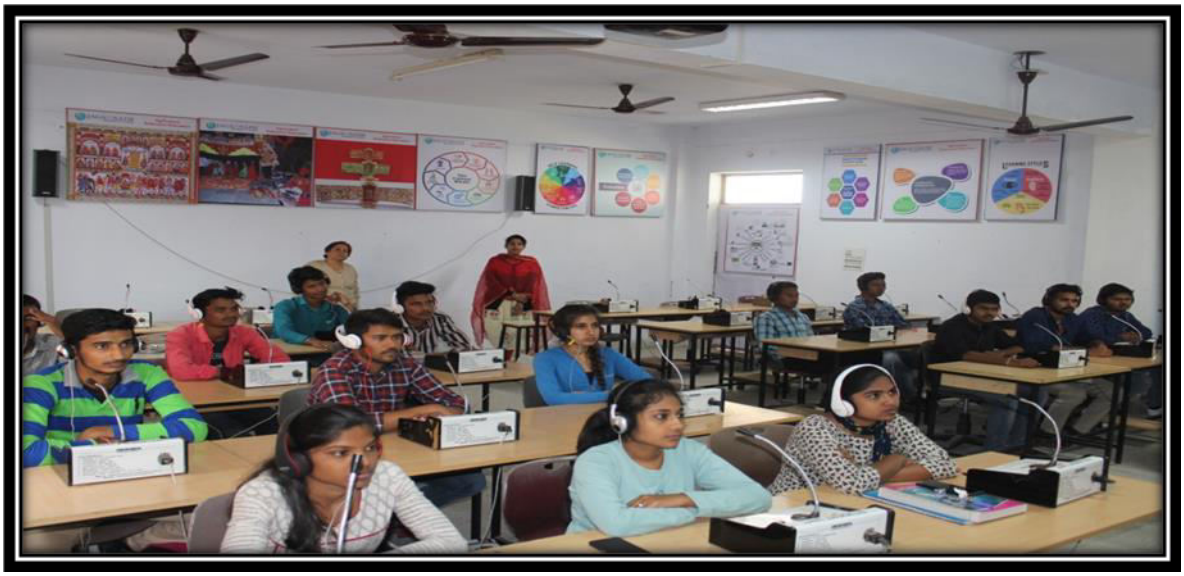
No.	Items	Required	No.(Available)
1.	Hot Air Oven	01	01
2.	BOD Incubator	01	01
3.	Fluorescence microscope	01	01
4.	Centrifuge	01	01
5.	Growth Chamber	01	01
6.	Distillation Assembly	01	01

6. Horticulture + (Food Science & Technology)

a. Labs (Post Harvest)

No.	Items	Required	No.(Available)
1.	Hand Refracto meter	05	03
2.	Digital Refracto meter	02	01
3.	Oven	01	01
4.	Refrigerator	01	01
5.	Electronic Weighing Balance	02	02
6.	Pan Balance (1 kg & 10 kg. capacity each)	02	02
7.	Deep Freezer	01	01
8.	pH Meter	01	01
9.	Fruit Crusher	01	01
10.	Grinding and Mixing Machine	01	01
11.	Distillation Assembly	01	01

Plant Pathology Lab



Agriculture Extension and Communication Lab

Entomology Lab

b. Lab (UG Lab)

No.	Items	Required	No.(Available)
1.	Seed Germinator	01	01
2.	Grafting and budding knife	60	60
3.	Secateurs	60	60
4.	Saw	05	05
5.	Loppers	05	05
6.	Mist Chamber	01	00
7.	Poly house with drip irrigation system	02	01
8.	Microscope	02	02

c. Food Science & Technology

No.	Items	Required	No.(Available)
1.	Refrigerator	01	01
2.	Muffle furnace	01	01
3.	Weighing balance	02	01
4.	Water Bath	02	02
5.	Hot air oven	02	02
6.	Fruit penetrometer	02	01
7.	Pulper	01	01
8.	Juice Extractor	01	01
9.	Crown corking machine	01	01
10.	Spectrophotometer	01	01
11.	Microwave oven	01	01
12.	Baking Oven	01	01
13.	Sieve shaker	01	01
14.	Poly pouch sealer	01	01
15.	Crusher	01	01
16.	Masala grinder	01	01
17.	Dehydrator	01	01
18.	Vacuum pump	-	01

7. Soil Science and Agricultural Chemistry + (Microbiology, Environmental Sciences)

No.	Items	Required	No.(Available)
1.	Electronic Top pan balance (0.1 g capacity)	02	02
2.	Electronic Top pan balance (1 mg capacity)	02	02
3.	Hot air oven	02	02
4.	pH Meter	05	05
5.	EC Meter	05	05
6.	Flame Photometer	01	01
7.	Visible Spectrophotometer	02	01
8.	Hot Plate	02	02

9.	Distilled water unit	02	01
10.	Water Bath	01	02
11.	Rotary Shaker	02	02
12.	Binocular Microscope	20	04
13.	BOD Incubator	02	01
14.	Autoclave	02	01
15.	Laminar Air Flow	01	01
16.	Microwave oven	01	01
17.	Digestion block	02	02
18.	Hydrometer	05	05
19.	Infiltrometer	02	02
20.	Hydraulic conductivity meter	01	01
21.	Atterberg's Limits meter	05	00
22.	Nitrogen Analyser	02	02

8. Agro meteorology

No.	Items	Required	No.(Available)
1.	Thermometer Maximum	05	05
2.	Thermometer Minimum	05	05
3.	Digital Anemometer	02	02
4.	Cup Anemometer	02	02
5.	Pan Evaporimeter	01	01
6.	Soil thermometer		
	05 cm.	05	05
	10 cm.	05	05
	15 cm.	05	05
7.	Rain gauge	01	01
8.	Self-recording Rain gauge	01	01
9.	Sunshine Recorder	01	01
10.	Stevenson's Screen	01	01
11.	Thermograph	01	01
12	Hygrograph	01	01
11.	Soil Heat Flux Plate	01	01
12.	GPS	10	02
13.	Lux Meter	02	01
14.	Solar Pyranometer	01	01
15.	Wind Vane	01	01
16.	Barometer	-	01
17.	Wets Dry Anemometer	-	01

9. Plant Pathology

No.	Items	Required	No.(Available)

1.	Microscope compound with photo display arrangement	03	01
2.	Stereo Binocular Microscope	05	05
3.	Sample Processing Board (Dry preservation of samples)	04	04
4.	Wet preservation Jars	50	50
5.	Autoclave	01	01
6.	Oven	01	01
7.	Deep Fridge	01	01
8.	Centrifuge (3000 rpm)	01	01
9.	Refrigerator	01	01
10.	Water bath	02	02
11.	Electronic balance	02	01
12.	Weighing machine	01	01
13.	Incubator	02	01
14.	Occular meter	05	05
15.	Stage Micrometer	05	05
16.	Camera Lucida	05	05

10. Animal Sciences

No.	Items	Required	No.(Available)
1.	5000/6500 Feed and Forage Analyzer	01	01
2.	Hand and electric centrifuge	01	01
3.	Analytical balance	01	01
4.	Hot Air Oven	01	01
5.	Micro Kjeldahl N Digestion and distillation Apparatus	01	01
6.	Soxhlet unit for fat estimation	01	01
7.	Hot Plate, Fiber Tech	01	01
8.	Vacuum Pump	01	01
9.	Willy mill grinder	01	01
10.	Platform balance (100 kg cap)	01	01
11.	Gerber centrifuge unit (for milk fat testing)	01	01
12.	Milk analyzer (automatic)	01	01
13.	Crude fiber estimation unit	01	01
14.	Distilled water unit	01	01

11. Dairy & Poultry

No.	Items	Required	No.(Available)

1.	Incubator cum hatcher	01	01
2.	Brooder machine	01	01
3.	Feeder	01	01
4.	Waterer	01	01
5.	Egg candling machine	01	01
6.	Debeaker	01	01
7.	Vaccinator	01	01
8.	Milking bucket	As per requirement	01
9.	Milking can	As per requirement	01
10.	Animal and bird identification tools	As per requirement	01
11.	Chaff cutter	01	01
12.	Lactometer	01	01
13.	Castrator	01	01
14.	Shearer	01	01
15.	Electric dehorner	01	01
16.	Artificial vagina	01	01
17.	Common medication device	01	01
18.	Cattle crate	01	01
19.	Cattle Feed	As per requirement	01

11A. Cattle Shed and Poultry Farm: The Department has requisite cattle shed and Poultry farm on the campus.

12. Agriculture Engineering + Farm Management

No.	Items	Required	No.(Available)
1.	a. Working models of MB plough	02 set each	1 sets each
	b. Working models of Disc plough	02 set each	1 sets each
2.	Working model of different harrows	Actual	01
3.	Seed drill	01	01 set
4.	Different types of threshing Drums	As per requirement	01
5.	Working models of reaper and mowers	02	02
6.	Different types of sprayers and dusters	As per requirement	02
7.	Cut model of CI & SI engine	01	01 set

*Tractor with farm implements is also available in the University.

13. Central Library and Information System

No.	Items	Required	No.(Available)
1.	Internet Server	01	01
3.	Computers for Reading Hall	20	10

4.	Heavy Duty Photocopiers	02	01
5.	Computerized Issue and Catalogue Systems	02	02
6.	Wi-Fi facility in college/library/hostels	As per requirement	Available
7.	CCTV monitoring system for library	02	Available
8.	RFID and Access Control System (Optional)	01	----
9.	Broadband Internet Connectivity with minimum speed of 1Gbps	-	Available from NKN

➢ **About The Central Library**

The library of the University is fully computerized. It is a veritable storehouse of information with ample number of text and reference books, national and international periodicals and journals, thesis and dissertations submitted in the university. The library also has a special collection of books called 'Book Bank' for the students.

The library provides the latest research and reference material in print and audiovisual formats along with facility to refer to e-journals, CDs, Project Reports, Government Publications, Report and Newsletters, back volumes related to Management, IT, Mass Communication and Design, Hospitality Management, Fashion, Science, Engineering, Law, Architecture, etc. The library has access to CAPITALLINE database. The Central Library is equipped with modern furniture and other physical facilities. It caters to the information needs of the students and the faculty members too.

Library Collection

Being a young University, the library has a priority to develop core and basic collection on all teaching subjects of the University. During the short span of time, it has obtained a good collection on all the subjects taught in the University. The collection of books is more than 39000 out of which 4483 books of various subjects of agriculture and more than 10 journals and magazines are available for students.

Online Resources

To make utmost use of e-resources, the Library has the facility of Wi-Fi connectivity. This attracts the students to the Library to make use of e-resources available on internet of e-books, open Courseware and NPTEL programmes.

DELNET

DELNET has been established with the prime objective of promoting resource sharing among the libraries through the development of a network of libraries. It aims to collect, store, and disseminate information besides offering computerized services to users, to coordinate efforts for suitable collection development and also to reduce unnecessary duplication wherever possible. Jagan Nath

University is also running DELNET unit to provide all the desired information belonging to Agriculture science as we as allied sciences for the aspirants. Total number of 66 E- Journals of Agriculture science available on DELNET for aspirants.

Lecture Halls

The University has Wi-Fi enabled and multimedia-equipped classrooms. All the classrooms can be provided with LCD projectors whenever needed by the faculty.

Faculty Sitting

All the faculty members have been provided with a table, chair, visiting chairs and a sliding almirah besides some office stationery. Most of them have their own cabin.

Central Library and Information System

Farm Facilities

As per the ICAR Fifth Deans' Committee report total 30 hectare required in plain area. The University has total land of **30.91 Hectare** out of which the campus is on 17.39 Hectare of land and remaining 13.52 Hectare of land has been taken on 15 years registered lease **(Annexure-19).** The land taken on 15 years registered lease is at a distance of 3.5 Km from the campus. **(Annexure-20).** The allocation of land section-wise is as under-

Table 12: Division/ Department/ Section-wise land allocations (Hectares)

S.N	Department wise land allocation	Hectares
1	Agronomy and Farm Forestry	6.0
2	Entomology	0.4
3	Genetics and Plant Breeding	3.2
4	Horticulture	6.0
5	Soil Science and Associated Departments	0.8
6	Plant Pathology	0.4
7	Animal Sciences	2.0
8	Biotechnology and Physiology	0.4
9	Agriculture Engineering	0.8
	Total	**20.0**

6.4.5. Conduct of Practical and Hands-on-Training

The Department of Agriculture has adopted the Fifth Deans' Committee recommendation in total for delivery of B.Sc.(Hons.) Agriculture Programme. The details of activities towards conduct of practical and Hands-on-training are as under:

Student READY Program

To reorient graduates of agriculture for ensuring and assuring employability and developing entrepreneurship for emerging area of knowledge for intensive agriculture, the component envisages the introduction of the program in Department of Agriculture as an essential prerequisite for the award of degree to ensure hands on experience and practical training. The Department of Agriculture follows all the component of Student READY Program and developed a manual on Student READY Program.

Component of the program: The following components are included in Student READY program.

1. Experiential Learning/Hands on Training
2. Skill Development Training
3. Rural Agriculture Work Experience
4. In Plant Training/ Industrial Attachment
5. Students Projects

1. Experiential Learning/Hands on Training

Experiential Learning means learning and development are achieved through personally determined experience and involvement, rather than on received teaching or training, typically in group, by observation, study of theory or hypothesis, and bring in innovation or some other transfer of skills or knowledge. The Department has adopted two ELP modules of experiential learning for the students of B.Sc.(Hons.) Agriculture as follow-

1. Seed Production and Technology
2. Organic Production Technology

The practical teaching will equip students with the necessary skills and know-how to practice Agriculture work on the field while the theory will provide them with the knowledge and information necessary to perform the practical work. So the department conducts the practical classes in field as well as in laboratories.

Table 13: Details of Hands-on-Training for UG students

S.N	Department	Details of Hands-on-training
1	Agronomy	1. Practical Crop Production Programme of Various Crops 2. Vermi Composting : To produce at large scale
2	Horticulture	1. Preparation of Jam and jelly in laboratory 2. Raising of vegetable and fruit plant nursery for marketing 3. To Develop fruit orchard for fruit production
3	Live Stock Production Management	1. To run a dairy for milk production 2. Training on milk product processing
4	Entomology	1. Preparation of NSKE in laboratory

		2. MoU with Insecticide industry to training of students about preparation, handling and packaging of insecticide.
5	Soil Science	Soil sampling method and soil sample testing in laboratory.
6	Plant Pathology	Training on Mushroom cultivation to students
7	Agriculture extension Education	1. Consultancy Services and Farm Clinic Services 2. Transfer of improved Agro Production Technology to farmers.
8	Agriculture Engineering	Maintenance and Handling of Farm equipments.
9	Agriculture Economics	Information to students about e-marketing platforms (e-NAM)
10	Biotechnology and Biochemistry	1. Biochemical Analysis (Qualitative and Quantitative) of Carbohydrate, Protein and Fat. 2. Demonstration of Separation techniques 3. Plant tissue culture – media preparation, Ex-plant preparation, inoculation and incubation
11	Genetics and Plant Breeding	Seed Production Programme of different field crops.

2. Skill Development Training

Department of Agriculture has MoU with International Institute of Advance Agriculture Skill Development (IIAASD), Jaipur for the training of the students. Final year students attached with institute for three weeks for skill development training for production and use of organic products used in agriculture.

Students in International Institute of Advance Agriculture Skill Development (IIAASD)

3. Rural Agricultural Work Experience (RAWE)

The Rural Agricultural Work Experience (RAWE) helps students primarily to understand the rural situations, status of agricultural technologies adopted by the farmers to prioritize the farmers' problems and to develop skills and attitude of working with farm families for overall development in rural area. During RAWE Programme general orientation and on-campus training by different

faculties followed by village attachment/unit attachment in KVK. Department also designed a manual for the RAWE Programme which submitted by the students along with photographs at the time of evaluation.

Students during RAWE programme in RARI, Durgapura, Jaipur

4. Industrial Attachment

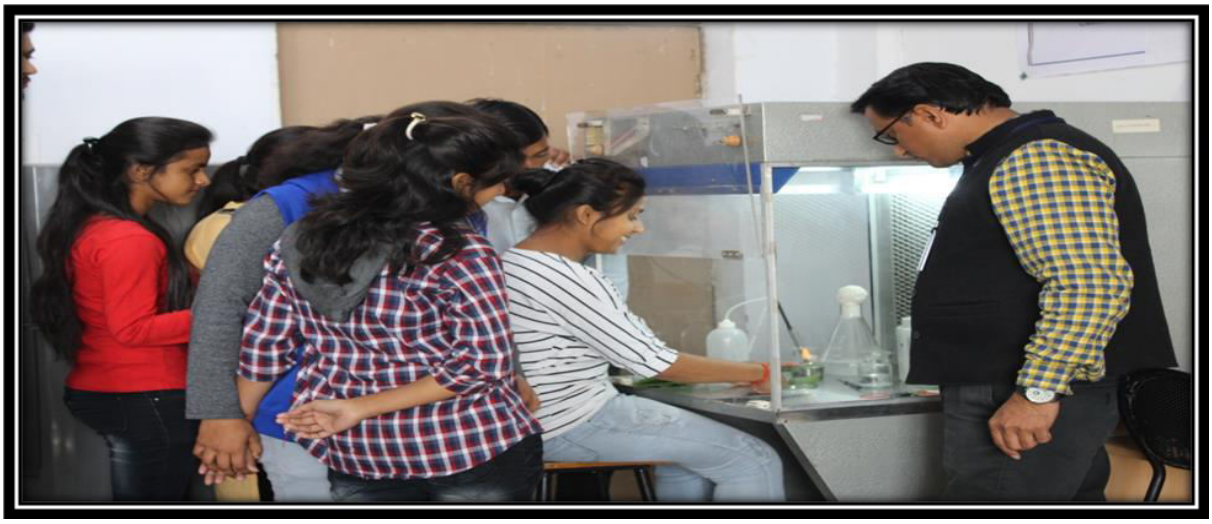
The students are attached with the agro-industries to get an experience of the industrial environment and working. The Department of Agriculture has MoU with different agro-industries for the training of the students which includes:

- Rajasthan Pesticides (Pvt.) Limited
- Advance Micro Fertilizers (Pvt.) Limited
- Sital Dairy
- Kamdhenu Goshala
- International Institute of Advance Agriculture Skill Development (IIAASD)

Students in Advance Micro Fertilizers (Pvt.) Limited, Jaipur during industrial attachment

5. Functional Laboratories

The Department has 13 functional laboratories of different disciplines of agriculture. It has established the laboratories according to the 5th Dean Committee recommendation of ICAR. Students use resources of the laboratories to solve problems, perform developmental experiments and work on projects guided by faculty. Each section divided into two practical class not more than 30 students (eg. A1 and A2) and all practical classes are conducted in laboratories and fields. Practical manuals have also been developed by the faculty members according to practical syllabus of that particular subject.



Inoculation of ex-plant by students in Bio-technology lab

6. Practical Crop Production

Practical Crop Production is also strengthening the knowledge of students about crop production techniques in *rabi* and *kharif* season. The Department has allotted sizable area to students in 10 groups in *kharif* and *rabi* season. The students are doing all agronomical practices practically in the field in allotted area from land preparation to harvesting including sowing, weeding, irrigation, plant protection etc. Main crops allotted to students during *kharif* season are Pearl Millet, Cluster Bean, Moong Bean, Urd bean, Moth bean, Soybean, Sorghum, Cow pea and sesame. The crops of *rabi* season are Wheat, Barley, Mustard and Taramira. The main objects of these practical courses are to educate student about all the practical aspects of crop production.

Seed bed preparation by the students

7. Educational Visit

An educational visit helps the students to learn the things by seeing. The Department is arranging education visits for the students at different centre of excellence in field of agriculture. A visit to National Research Centre for Seed Species, Ajmer for acutance the students about demonstration, production techniques of seed species. The Department also arranged to visit of students to nearby Krishi Vigyan Kendra's for the strengthening the knowledge of students about new technologies. The students also visited Central Sheep and Wool Research Institute, Avikanagar, Tonk and SKNAU, Jobner during farmer fair.

8. Village Adoption Program

The Department of agriculture also involve in transfer of new agricultural techniques at farmer level. Village Mahajanpura has been adopted for various activities to uplift the livelihood and social economic status of rural people. Following were the important activitie:

(i) Training on improved agro-production technology of *kharif* crop: A training program was organized on 09-05-2017 around 80 farmers were educate the production technology of important *kharif* crop the area i.e. Sorghum, Pearl Millet, Cluster Bean, Maize, Moong Bean, Urd Bean, Cow Pea and Til.

(ii) Training on production technology of vegetables (Brinjal, Tomato, Chilli, Spinach, Fenugreek, Coriander, Cabbage, Cauliflower, Raddish and Carrot on 20-09-2018.

(iii) Swachatta Abhiyan on 02-10-2017

(iv) Saksharta Abhiayn Camp was organized on 13-07-2017.

(v) Animal care and daring training was organized on 21-12-2018.

(vi) Farmer Training Programme on Integrated Pest Management in Mustard on 02-02-2020.

Farmer training programme on Integrated Pest Management in Mustard

9. Best Practices towards Practical Exposure

The Department of Agriculture adopt so many best practices out of these two best practices mention here:

Best Practices - I

1. Title of the Practice

Eco-friendly and Green Campus Contributing to Environment Sustainability.

2. The Context

Earlier higher education institutions were supposed to contribute to knowledge, enhance perceptions and impart skills for individual survival and growth. The issue of environmental sustainability was not a high priority area in academic institutions. For academic institutions, the Stockholm Declaration of 1972 addressed the issue of Sustainability in Higher Education (SHE). The declaration focused on finding ways in which universities, their leaders, teachers, researchers and students could engage their resources in responding to the challenges of balancing between the human quest for economic and technological development with environmental preservation.

This idea sprang further during from the post Green Revolution scenario in agriculture. The Green Revolution focused on productivity escalation in agriculture through the use of high throughput technology and attained success in it. India and other Asian countries not only became self sufficient in food grains but came to a position of becoming exporters. Similar models were copied for milk production and other entities of edibles, which gave rise to emergence of a new paradigm of Rainbow Revolution. All these revolutions happened in sixties and in a period of about a decade thereafter it started to appear apparent that a sole priority of productivity enhancement may not be appropriate in long run and humanity may suffer in terms of sustainability of the targets achieved and more importantly a serious imbalance in environmental harmony leading to severe health hazards to human and animal population, loss of biodiversity, soil erosion, pollution and fast depletion of non renewable natural resources. Consequently, the mankind saw an emergence of new paradigm of SUSTAINABILITY and EVER GREEN REVOLUTION within a decade of the Green and other color Revolutions. The Stockholm Declaration of 1972 was an outcome of this new paradigm shift.

The Department of Agriculture takes pride in the fact that it promotes the concept of environmental sustainability. The main areas of focus are setting up infrastructure for natural resources, energy conservation and renewable energy, waste management, water usage, transportation, and environmental education.

One of the major challenges faced during implementation of these initiatives was huge capital investment connected with implementing energy saving and waste reducing measures.

3. The Practice

The Department of Agriculture has undertaken various initiatives to set up an Eco-Friendly and green campus conservation of biodiversity, in its endeavor for conservation of healthy ecosystems. The Department has embarked on a plantation drive spread over 50 acres of its main campus. The major initiatives taken in this regard include:

(i) **Setting-up the Infrastructure**: The university campus is situated amid sylvan green and arboreal landscape. The classrooms, administrative office, library, etc. are designed in such a way that optimal use of natural daylight is ensured. The rooms and corridors are well

ventilated. Green spaces between blocks keep the ambience pleasant and the temperature is cool in summer and pleasantly warm in winters. In rainy season, the campus is a visual treat to watch. The campus has green landscaping of plants which covers around 30% of the area, having varieties of plants which includes Ashok, Semal, Ritha, Neem, Cassia, Nerium, and Ficus, etc. The variegated cropping of more than 2000 plants has also been established as eco-friendly campus. The Department of Agriculture has installed poly house, small herbal gardens and olive plantation. Students also participate in campaigns like "Plantation Drive".

(ii) Energy Conservation and Renewable Energy: Classrooms, administrative rooms, library, etc. are designed to use natural light to the maximum with minimal use of electricity in artificial lighting. The University has roof-top solar installations at different buildings with an installed capacity of 200 KW.

(iii) Water Management and Rain Water Harvesting: The University has invested resources to ensure rain water management. Surface water, all drainage and rain water is collected through perforated covers and is arranged to flow through channels attached with chambers and waste water is collected into a rain water harvesting tank which recharges the sub-soil aquifer through steel funnel.

The university has a central sewage treatment plant with sewage treatment capacity of 100 kld. The treated water is used for gardening and horticulture.

(iv) Solid Waste Management: Waste disposal has emerged into an industry and is more than just removing waste. Organic waste generated at the university is collected to create compost at 5 vermin compost pits at the campus. Composts are being utilized for plantation and poly house.

(v) Environmental Awareness and Education: Compulsory courses on Environment sustainability and Swacch Bharat Abhiyan are offered. The University has introduced a compulsory course of 2 credits on Environment sustainability and community engagement through State Government sponsored program “Anandam” in all undergraduate and post graduate programmes.

4. Evidence of Success

Success in the creation of an Eco-Friendly University Campus can be seen through the following activities:

We have a tree plantation of over 2000 varieties of shrubs, herbs, medicinal, ornamental, and drought resistant plants and trees.

Due to the use of alternate sources of energy we have been able to cut down on our power expenses by almost 85 percent.

Other green campus initiatives are: University rules restrict the entry of automobiles in campus. A bicycle stand is maintained at the entrance where bicycles are available for commuting in the campus. Pedestrian friendly pathways connect all blocks of the university.

5. Problems Encountered and Resources Required

While the opportunities to explore eco-friendly possibilities are evident, actions devoted to conservation for a green campus are expensive particularly during summer when temperature goes very high in Rajasthan.

6. Concluding remarks

At the outset, it is the conviction and dedication of the Department of Agriculture to the cause of eco-sustainability, which is a driving force to plan and implement with a positive will to invest resources in the environment building ventures. Fortunately, the basic plan of construction of all the buildings of teaching blocks, offices, hostels, roads and walk ways are such that they support the plantation drive, waste and sewage disposal, rain water harvesting and natural resource management. With the establishment of Agriculture Department eco-friendly structures have been added to the existing beauty of the campus. These include a poly-house, water storage tanks and crop cultivation fields. Along with education of mechanical farming students are taught courses on organic farming, water management, ecological balance, and Integrated Crop Management.

The student activities like NSS is linked to plantation drives and cleaning ventures. During organization of cultural events like SPANDAN, youth festival and Agri-fests also invariably promote the message of environmental protection and pollution free premise. The rain water harvesting, poly house, pressurized irrigation systems and aqua culture pond are unique examples for natural resources and waste management initiatives. Without using a euphemistic rhetoric, the department is the forerunner in implantation of eco-friendly and sustainable infrastructure.

The Green Audit Report submitted by Supreme Enviro Engineers & Consultants after verifying the various initiatives towards natural resources and waste management contributing towards environment sustainability observed that the green initiatives carried out by the university was found to be excellent.

Best Practices - II

1. Title of the Practice

Innovation, Entrepreneurship and Start-up activities in Agriculture.

2. Objectives of the Practice

The University Innovation & Incubation Centre (UIIC) was established in 2017 and is committed to promote the ideas centering on technological innovation from students, research scholars, teachers, and from the members of the local community towards achieving the varied needs and having marketable potentials. The University Innovation & Incubation Centre (JIIC) is having an expert team from various disciplines including agriculture which evaluates the innovative ideas or concepts on the basis of originality and its possibilities of realization into a product, process or services which must have a significant impact on the quality of life of the society and industry. It was started as an Entrepreneurship Development Cell (EDC) in 2015, which was working towards developing the ideas of students to successful commercial products. Later, in 2017, JIIC was established to promote innovations and entrepreneurship and start-up practices. JIIC is guiding the different student clubs and act

as a catalyst to foster entrepreneurial and start- up culture and work as an interface between University & Government schemes for incubation and start-ups.

3. The Context

In the current scenario, special focus is on developing an ecosystem for innovation and incubation practices in HEIs. Government of India has also emphasized through various schemes to promote the same. In the same context, many initiatives have been taken by the department of Agriculture which includes experimental learning skill, development programs, industrial and implant training, agri-incubation Centre, vermi-composting, protected cultivation in polyhouse, fruits orchards and Olive plantation under drip irrigation system etc.

In November 2018, Ministry of Education (MoE), Govt. of India, has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC was to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. The Fifth Deans' Committee of ICAR also recommends that during this "Decade of Innovation in India" importance of cost effective, location specific and affordable innovations along the value chain and of new extension systems have been highlighted in the revised curricula.

4. The Practice

- ***Experimental Learning Program***

The Experimental learning provides the students an excellent opportunity to develop analytical and entrepreneurial skills, and knowledge through meaningful hands on experience, confidence in their ability to design and execute project work. The Department has adopted two ELP modules of experiential learning for the students of B.Sc. (Hons.) Agriculture as follow-

1. Seed Production and Technology
2. Organic Production Technology

- ***Skill Development Programs***

The Department of Agriculture has MoU with International Institute of Advance Agriculture Skill Development (IIAASD), Jaipur for the training of the students. Final year students attached with institute for three weeks for skill development training for production and use of organic products used in agriculture.

- ***Industrial and in-plant training***

The students are attached with the agro-industries to get an experience of the industrial environment and working. The Department of Agriculture has MoU with different agro-industries for the training of the students which includes:

- Rajasthan Pesticides (Pvt.) Limited
- Advance Micro Fertilizers (Pvt.) Limited
- Sital Dairy
- Kamdhenu Goshala

- ***Hands-on-Training***

  The practical teaching equips students with the necessary skills and know-how to practice Agriculture work on the field while the theory will provide them with the knowledge and information necessary to perform the practical work. The Department conducts various Hands-on-Training to students related to different field of Agriculture.

- ***Students Projects***

  Student prepares projects based on new innovations in agriculture and demands of market for better development.

- ***Village Adoption Program***

  The Department also involves in transfer of new agricultural techniques at farmer level. Village Mahachandpura has been adopted by the Department of Agriculture for various activities to uplift the livelihood and social economic status of rural people.

5. Evidence of Success

- Since its inception in 2018, the IIC organized a number of activities related to innovation and entrepreneurship development. For its outstanding efforts, the then MHRD's Innovation Cell awarded University with 3 Stars Rating and our IIC was one of the best performing institutes of North Western region.
- Our students have participated in 'Proof of Idea Contest' organized by then MHRD and State Agriculture Universities in 2018 and were shortlisted for mentoring session in EDII, Ahmedabad.
- Two student start-ups are successfully functioning.
- Our Students, staff and faculty are regularly attending the Leadership talks, seminars, workshops and events organized by State Agriculture Universities.
- The Department has adopted an Innovation and Startup Policy for both Students and Faculty to promote the Innovation culture in the campus.

6. Concluding Remarks

Promotion of centre of innovations, entrepreneurship and start-ups among students and faculty is one of the implement focus area of agriculture education in this University. Necessary regulatory framework and resource have been created and achieve it. This practice has already started showing results as a number of students have ventured into entrepreneurship on completion of this education from the Department of Agriculture.

6.4.6. Supervision of students in PG/PhD programmes

The Department of Agriculture is not running any PG/PhD Programme and therefore, this criteria is not applicable.

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

A. Feedback from students

There is a well designed mechanism of taking feedback form from the students at the end of semester. The Department has a proper mechanism for analyzing student feedback on institutional performance on academic and non academic parameters. The University responds to them immediately.

The academic and non academic complaints are received from students through feedback which is taken monthly. A complaint register is maintained in each wing of the academic buildings and hostels. The remedial actions are taken promptly at appropriate levels and the complainant informed of the status of complaint. The complainant can also send through sms/email to senior functionaries of the University about the grievance. There is also a Proctorial Board, Women Cell and Anti-Ragging Committee and ST/SC Cell to attend such complaints. There is also a UGC Portal for this purpose. Initially all complaints are sought to be resolved at the Departmental level but depending upon the nature and severity of the complaint appropriate bodies conduct an enquiry and make recommendations in a time frame to the administration. There are regular open-house meetings with the day scholars and hostel students to hear their grievances. There is a monthly meeting with all the employees of the University to inform about the developments/activities of the various teaching and non-teaching departments and also open house discussions on matters of interest/concern to employees.

The filled up feedback forms are available in the Department and will be furnished to the accreditation team at the time of inspection. However, a blank sample feedback form is at **Annexure 21.**

B. Feedback from parents

There is a set system of the seeking feedback from the parents when they visit the Department of Agriculture in connection with the progress of their ward. The University has well structured proforma for the purpose.

The filled up feedback forms from parents are available in the Department and will be furnished to the accreditation team at the time of inspection. However, a blank sample feedback form is at **Annexure 22.**

C. Feedback from Industries

The Department of agriculture also gets the feedback from the industries. Students attached with various industries for training purpose. The Department also get the feedback from the respective industry.

The filled up feedback forms from industries are available in the Department and will be furnished to the accreditation team at the time of inspection. However, a blank sample feedback form is at **Annexure 23.**

D. Feedback from Employers

The University has Training and Placement Cell, with two full time Training and Placement Officers, who guide students in providing information regarding job opportunities, invites companies for campus placement, take students to companies for placement interviews and helps them to prepare for interviews. Teachers are also involved in conducting mock interviews and Aptitude Tests. They also make students aware of the current recruitment trends, needs of the industry and also the latest developments in their fields. The T&P Cell also invites experts for career guidance and personality development. They take feedback from the recruiters to find out their requirements and expectations from the students. They also take feedback from the students about the questions asked and discussions that the recruiters have with them. These are discussed with the senior academicians and the remedial measures are taken to make the students more employable.

The filled up feedback forms from employers are available in the Department and will be furnished to the accreditation team at the time of inspection. However, a blank sample feedback form is at **Annexure 24.**

E. Feedback from Farmers

The farmers of the surroundings area come to visit agriculture farm and various labs. The Department deputes a team of faculty members with farmers during their visit of agriculture farm (drip irrigation, plantation, crop production, poly house, vermin compost unit, Olive plantation) and laboratories. The Department takes feedback after their visit and farmers give comments about very advance agriculture practices carried out at our agriculture farm.

The filled up feedback forms from farmers are available in the Department and will be furnished to the accreditation team at the time of inspection. However, a blank sample feedback form is at **Annexure 25.**

Table 14: Analysis report of the Feedback from Stakeholders

S. N.	Feedback received from stake holders	Action taken by the Department/University
1	2014-15	➢ Students raise a problem regarding quality of food in canteen so we have instructed the vendor for it. ➢ On the suggestion of the farmers we have arranged demonstration of crops on farmer field.
2	2015-16	➢ Most of the students are from rural background so they have faced language problem, we have solve this problem by starting bilingual teaching methodologies. ➢ Farmer were facing problem of seedling of improved varieties of vegetables so we provide them.
3	2016-17	➢ To solve the food problem in hostel we have hire the cook from South India also. ➢ Student complaints against any faculty we have a procedure to check it than inter change the faculty. ➢ On the suggestion of farmers we have organised training on live stock management.

4	2017-18	➢ Students want to join coaching for preparation of competitive examination so department has started extra classes in evening by faculty. ➢ On the demand of students department organised a National level programme (National Agri Fest). ➢ Training programme on production technologies of vegetables to farmers.
5	2018-19	➢ Educate the farmers about benefits and preparation of 67vermi compost on farmer's request. ➢ On the request of students we have arrange educational visit and arrange guest lectures.
6	2019-20	➢ Organise a Farmer Training Program in Adopted village Mahachandpura on Integrated Pest Management in Mustard Crop. ➢ Some additional value added courses add in curriculum on demand of the students.
7	2020-21	➢ Career guidance and remedial coaching classes started for final year students on their demand for better placement and competitive exams.

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

The details of the students intake and attrition rate in B.Sc. (Hons.) Agriculture Programme is as under:

Academic Year	Sanctioned Intake	Students admitted	Attrition (%)	Actual Strength after Attrition
Y1 (2016-17)	240	240	4%	230
Y2 (2017-18)	180	180	1%	178
Y3 (2018-19)	120	120	5%	114
Y4 (2019-20)	120	79	-	79
Y5 (2020-21)	120	17	-	17

The year wise intake is recommended by the admission committee and subsequently approved by Academic Council of the University **(Annexure 26).**

6.4.9. ICT Application in Curricular Delivery

The Department of Agriculture has applied several modules of Information and communications systems in curricula delivery. The ICT is an integral part of teaching and practical work. The ICT cell of the University is very strong equipped with all modern equipments and software. The internet services are extended to all the students, staff, hostellers, all the academic and administrative blocks, etc. through LAN as well as Wi-Fi round the clock. The University has

around 400 high configured systems available for staff and students in computer labs, class rooms and library etc.The salient features of the ICT cell are as follows:

- ***Smart Class Rooms****:* The University has 06 smart class rooms in which students get the taste of modern day experience of advance learning. Through smart class rooms they are able perceive the knowledge in real time basis.

- ***LCD Projectors:*** Apart from smart class rooms the campus has 10 numbers of portable liquid cooled display projectors which can be utilized anytime anywhere within the campus.

- ***Power Point Presentations:*** Faculty is provided with their own personal computers on which they prepare the power point presentations to impart knowledge to students in more effective manner including the seminars on current scenario of advancements in different fields.

- ***E-Courses****:* Campus is equipped with the Wi-Fi which enables the students to go through the online courses and also take online activities like mock tests, eligibility tests for various programs etc. The students and faculty are also engaged in MOOC courses of UGC.

- ***E- Library****:* Campus has a central library with numerous books for students with E library facility. Through E-Library the student can read and learn the various online books, tutorials and academic and professional journals in various fields of agriculture. Since the University is a member of DELNET, through which all the students and the faculty members have the facility to access to 66 online journals of agriculture.

- ***University Website:*** The University has its own website which is available for students where they can find every information about their exams schedules, results etc. Also the University has a mobile application for the benefits of the students.

- ***M-Tutor:*** The Mobile learning (m-learning) as a form of e-learning is a rising trend where the education has outgrown the physical constraints of the classrooms and acquired mobility. The students have been provided with the facility of M-Tutor where the course contents in the form of animation videos are available at any time and everywhere.

- ***Language Lab****:* A well equipped Language Lab is available on the campus to upgrade the communication skills of the students. 30 work stations are attached to centralize console to improve the phonetic and pronunciation skills of the students.

- ***Online Class Management:*** During COVID-19 pandemic phase of lockdown online classes of students conduct through Google Meet, Google Classroom and ZOOM platform for better interaction from students. Study material share through Google classroom while online classes taken through Google Meet and Zoom.

- ***Online Examination:*** The Department of Agriculture conducts examination during COVID-19 phase through online platforms like Mettl, Hiremee and Digi Proctor for timely completion of degree of final year students.

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

The information pertaining to 6.4.1 to 6.4.9 has been compiled and presented only for B. Sc. (Hons.) Agriculture Program as per the guidelines of NAEAB, ICAR, New Delhi.

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

An utmost care has been taken to present the data based on real facts and figures and is liable to be physically verified by the competent authority /committee constituted by Indian Council of Agricultural Research (ICAR).

6.4.12 Certificate (Applicable when SSR is submitted for Programme)

I, the Dean and HOD Prof. P. N. Kalla, of the Department of Agriculture, Jagan Nath University, Jaipur 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 Department and degree awarding University.

15/6/21

Signature of Dean of the College/Department with Date & Seal

DEAN
FACULTY OF SCIENCE (AGRICULTURE)
JAGANNATH UNIVERSITY
CHAKSU, JAIPUR (RAJ.) INDIA