



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION



SCHOOL OF AGRICULTURAL SCIENCES

Academic Session 2026-27

SCHOOL HANDBOOK



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1. About the School

K.R. Mangalam University, located on Sohna Road, Gurugram, is a rapidly growing and highly promising institution in India's higher education landscape. Established in 2013 through an act of the Haryana Legislature under the Haryana Private Universities Act (Amendment) 8 of 2013, it is recognised by the University Grants Commission (UGC) under Section 2(f) of the UGC Act, 1956. The university is dedicated to fostering excellence in basic and professional education while upholding moral and ethical values.

The School of Agricultural Sciences (SOAS), a constituent of K.R. Mangalam University, was established in 2019 with the launch of its inaugural programme, B.Sc. (Hons.) in Agriculture. The School of Agricultural Sciences at K. R. Mangalam University is fully equipped with the facilities of laboratories and agriculture farms to carry out the Teaching, Practical, and Research work. All the faculty members are well qualified (Ph.D. in their respective fields) and well experienced. The faculty remains in constant touch with various experts in the relevant fields and is willing to experiment with the latest ideas in teaching and research. The School of Agricultural Sciences imparts students' technical knowledge, enhances their practical skill and ability, motivates them to think creatively, and helps them to act independently and make decisions accordingly in all their technical pursuits and other endeavors. It strives to empower its students and faculty members to contribute to the development of society and the Nation. This handbook is designed to guide you through the academic journey ahead and provide essential information about your course structure, policies, and opportunities during your studies.

Agriculture is the backbone of many economies, and with a rapidly growing global population, the demand for innovative, sustainable agricultural practices has never been greater. As a student of agriculture, you are about to embark on a programme that will not only deepen your understanding of farming systems but also equip you with the skills and knowledge needed to address pressing issues such as food security, climate change, and sustainable land management. This handbook serves as a roadmap for navigating the various academic, extracurricular, and professional opportunities available throughout your degree. The B.Sc. (Hons.) Agriculture curriculum is designed as per ICAR VIth Dean's Committee Report and to offer a comprehensive understanding of agronomy, horticulture, animal husbandry, soil science, plant breeding, and agricultural economics, among other fields. You will also be encouraged to gain hands-on experience through practical training, internships, and fieldwork, ensuring that your education is both theoretical and practical. It outlines the degree requirements, course descriptions, important policies, and the support systems in place to assist you. We hope this handbook will help you make the most of your time in the programme and prepare you to contribute meaningfully to the future of agriculture.

2. University Vision and Mission

Vision

K.R. Mangalam University aspires to become an internationally recognised institution of higher learning through excellence in inter-disciplinary education, research, and innovation, preparing socially responsible life-long learners contributing to nation building.

Mission

- Foster employability and entrepreneurship through futuristic curriculum and progressive pedagogy with cutting-edge technology.
- Instill notion of lifelong learning through stimulating research, Outcomes-based education, and innovative thinking.
- Integrate global needs and expectations through collaborative programmes with premier universities, research centres, industries, and professional bodies.
- Enhance leadership qualities among the youth having understanding of ethical values and environmental realities.

3. School Vision and Mission

Vision

To be an internationally recognized Agri-institute for agriculture education, research, innovation, and Agri-entrepreneurship.

Mission

- Interdisciplinary approach, innovative pedagogy, stimulating research to foster Agri-based employability and entrepreneurship.
- Integrate global needs and expectations through collaborative programmes with premier universities, research centres, industries, and professional bodies within India and abroad for global exposure & real-life work experience.
- Practicing cutting-edge-technologies, tools, techniques, practices, and processes in the field of agriculture
- Developing leadership, ethical values, and sensitivity to the environment.

4. Messages

Vice Chancellor- Prof. (Dr.) Anil Kumar Saini

Dear Students,

I welcome you for joining K.R. Mangalam University.

By choosing Agriculture as your field of study, you have entered a profession that is vital to food security, environmental sustainability, and rural development. Modern agriculture combines scientific knowledge, technology, innovation, and entrepreneurship to address global challenges and create opportunities for sustainable growth.

Established in 2013, K.R. Mangalam University is committed to providing industry-relevant education and preparing students for successful careers. At the School of Agriculture, we focus on developing future agricultural professionals, researchers, entrepreneurs, and leaders through a blend of academic learning and practical exposure.

Our programmes are designed with inputs from industry experts, agricultural professionals, and alumni to ensure alignment with current and emerging sector requirements. Students benefit from field visits, laboratory training, research projects, internships, industry interactions, and experiential learning opportunities that enhance both technical knowledge and practical skills.

With guidance from experienced faculty members and mentors, students are encouraged to develop innovative solutions for challenges related to sustainable farming, natural resource management, climate resilience, agribusiness, and agricultural technology.

In line with the values framework of NAAC, ICAR & NEP 2020, we strive to foster professional excellence, ethical values, technological competence, and a spirit of innovation. Through industry collaborations, entrepreneurship initiatives, and career development programmes, we prepare students for opportunities in agricultural research, agribusiness, government services, agri-tech enterprises, and higher education.

I encourage you to make the most of the opportunities available at KRMU and contribute meaningfully to the advancement of agriculture and society.

Wishing you all the very best for a great academic journey at KRMU.

Dean- Prof. (Dr.) Joginder Singh Yadav

As the Dean, my vision would encompass several key elements namely, Innovation and Technology Integration (precision agriculture, biotechnology, and digital farming to enhance productivity, sustainability, and resilience in agriculture), Sustainable Agriculture, Biodiversity Preservation, Entrepreneurship, and Agribusiness, Foster an entrepreneurial mindset among students and faculty, encouraging them to develop innovative solutions and create value in the agricultural sector, Research and Development, Collaboration and Partnerships with industry, government, and international organizations, Education and Training, and Community Engagement. The school is blessed with admirable faculty members having trained at different national and international institutions and excellent infrastructure facilities for teaching, research, and outreach activities including 'RAWA (Rural Agricultural Work Experience)/ READY (Rural Entrepreneurship Awareness Development Yojana) programme as per ICAR guidelines. "Students First" is always at the top of the list of priorities set at K R Mangalam University. A special focus is placed on agro-based skill-oriented activities such as organic farming, sustainable agriculture, beekeeping, mushroom cultivation, vermicomposting, dairying, and horticulture.

We look forward to seeing you grow, thrive, and make a difference in the world.

5. School Boards and Committees

Board of Studies

The Board of Studies of SOAS consists of the following members:

S. No.	Name	Designation
1.	Prof. (Dr.) Joginder Singh Yadav	Chairperson (Dean & Professor, Agronomy)
2.	Dr. Ambika Bhandari	Member (Assistant Professor- Horticulture)
3.	Dr. Rabiya Basri	Member Secretary (Assistant Professor – Entomology)
4.	Dr. Anjali Tomar	Member (Assistant Professor - Agri. Extension)
5.	Dr. Jay Nath Patel	Member (Assistant Professor- Agronomy)
6.	Dr. Agnibha Sinha	Member (Assistant Professor – Soil Science)
7.	Dr. Ajit Rathee	External Member, Professor & Head (Retd.) CCS HAU, Hisar
8.	Dr. R. P. S. Yadav	External Member (Deputy General Manager & Head, FMDI, IFFCO, Gurugram)
9.	Dr. Smrutishree Sahoo	Member (Assistant Professor- Genetics and Plant Breeding)

The tenure of the Board of Studies Committee, School of Agricultural Sciences, K.R. Mangalam University members will be two years from the date of the notification.

School Advisory Board: It will be formed shortly.

Academic Coordination: Roles and Responsibilities

To achieve the vision and mission of SOAS, the school operates with a well-defined organizational structure, where every individual plays a pivotal role in ensuring the smooth functioning of academic and administrative activities. From strategic leadership to hands-on support for students, each role contributes to creating a conducive environment for learning, growth, and collaboration. Below is an outline of the key roles and responsibilities within the school.

Dean: Prof. (Dr.) Joginder Singh Yadav is dean of School of Agricultural Sciences. He provides strategic leadership for the school, overseeing academic, research, and administrative functions. He ensures the development, implementation, and periodic revision of academic programmes and curriculum while monitoring and enhancing the quality of education and research output. Acting as a liaison between the school and university administration, students, parents, and external stakeholders, the Dean facilitates collaborations, partnerships, and resource allocation. He manages the school's budget, oversee faculty recruitment and development, and address grievances to maintain a conducive environment for teaching and learning.

Programme Coordinator: The Programme Coordinator ensures the smooth execution of academic programmes, aligning them with university policies. They work closely with faculty to design, update, and deliver course content effectively while addressing student academic issues and monitoring their progress. Coordinating with the timetable coordinator, they ensure proper scheduling of courses and maintain records for accreditation compliance. The coordinator also fosters communication among faculty members teaching within the programme. Dr. Rabiya Basri is the programme coordinator taking care of all the above-mentioned academic activities.

Mentor: Every student enrolled in the school is considered a mentee and will be assigned a faculty member as their mentor. The mentor's role is to guide and support the mentee, helping them grow both personally and professionally. Mentors act as coaches by giving feedback, sharing advice, and offering insights from their own experiences. They also challenge the mentee's thinking, help them make important decisions, and connect them to valuable resources and networks. Additionally, mentors

provide emotional support, celebrating successes and offering encouragement during tough times. On the other hand, the mentee's role is to actively participate in the learning process by planning meetings, setting goals, and communicating openly with their mentor. Mentees should also apply what they learn, continue growing outside the mentor-mentee relationship, and stay proactive in seeking new opportunities. By staying committed and enthusiastic, mentees can make the most of this relationship and achieve their goals. Following is the list of mentors of SOAS:

Dr. Ambika Bhandari

Dr. Rabiya Basri

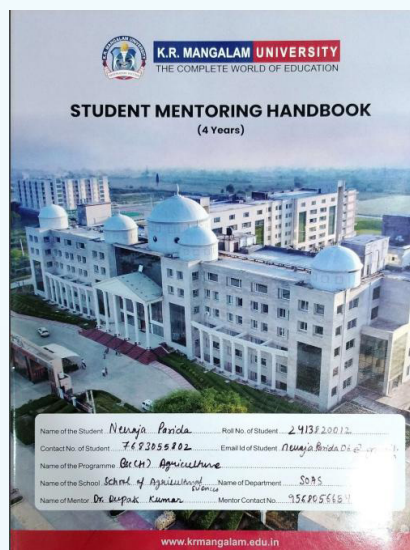
Dr. Anjali Tomar

Dr. Jay Nath Patel

Dr. Agnibha Sinha

Dr. Naveen Kumar

Dr. Smrutishree Sahoo



Glimpse of student mentoring handbook maintained by Mentors for each mentee separately.

Timetable Coordinator: The Timetable Coordinator manages the academic schedule for all programmes within the school, ensuring proper allocation of faculty and resources. They resolve scheduling conflicts, collaborate with lab supervisors for seamless lab sessions, and promptly communicate timetable updates to faculty and students. By optimizing classroom and lab usage, the coordinator ensures smooth academic operations. Dr. Rabiya Basri is the timetable coordinator for SOAS.

Examination Coordinator: The Examination Coordinator organizes internal assessments, mid-semester, and end-semester examinations in coordination with the university examination cell. They oversee the preparation, submission, and confidentiality of question papers and manage the invigilation schedule. Additionally, they supervise the evaluation process, ensuring accurate and timely submission of results while adhering to university examination policies and procedures. Dr. Agnibha Sinha is the examination coordinator for SOAS.

Lab/Field In-Charge: The Lab Supervisor is responsible for maintaining the functionality and organization of laboratories. They manage the inventory of equipment and consumables, ensure compliance with safety protocols, and assist faculty and students during lab sessions. By providing a well-equipped and safe environment for experiments, the supervisor supports effective practical learning. Lab/field In-charge of different Labs are listed below:

Dr. Ambika Bhandari- Horticulture and Post Harvest Laboratories

Dr. Rabiya Basri- Entomology and Pathology

Dr. Jay Nath Patel- Agronomy Laboratory

Dr. Agnibha Sinha- Soil Science Laboratory

Mr. Aamir Khan- Farm Supervisor

Besides the above roles and responsibilities, each faculty brings subject expertise to their teaching, research, and mentoring roles. They design and update course content to align with modern developments,

conduct impactful research, and publish their findings. Teachers guide students in discipline-specific projects and research while fostering interdisciplinary collaborations. They also organize seminars, workshops, and conferences to provide students and faculty with exposure to current advancements and industry trends.

This structure promotes efficiency in academic and administrative operations while ensuring holistic student development and academic excellence.

6. Faculty and Staff

The School of Agricultural Sciences (SOAS). The faculty includes all core disciplines of agriculture and allied sciences faculty members serve academic duties as per requirements. All the faculty have earned their doctoral degree and are NET qualified. The faculty composition includes one Professor, eight Assistant Professors. Additionally, the non-teaching staff consists of one Lab Assistant and one Farm Supervisor. All faculty members at SOAS are experienced, motivated, and hardworking, equipped with the necessary qualifications and expertise to guide and mentor students effectively, ensuring a high-quality educational experience.

List Of Faculty Members

S. No.	Name	Qualification	Designation
1.	Prof. (Dr.) Joginder Singh Yadav	Ph.D.- CCS HAU, Hisar	Dean & Professor, Agronomy
2.	Dr. Ambika Bhandari	Ph.D.- SKUAST, Jammu	Assistant Professor -Horticulture
3.	Dr. Naveen Kumar,	Ph.D.- NDRI, Karnal Haryana	Prof. & Research Track Faculty, SOAS
4.	Dr. Rabiya Basri	Ph.D.- AMU, Aligarh	Assistant Professor – Entomology
5.	Dr. Anjali Tomar	Ph.D.- RVSKVV, Gwalior	Assistant Professor- Agri. Extension
6.	Dr. Jay Nath Patel	Ph.D.- SVPUAT, Meerut	Assistant Professor - Agronomy
7.	Dr. Agnibha Sinha	Ph.D.- BCKV, West Bengal	Assistant Professor – Soil Science
8.	Dr. Smrutishree Sahoo,	Ph.D.- GBPUAT, Pantnagar	Assistant Professor – Genetics and Plant Breeding
9.	Mr. Aditya Yadav	B.A.	Lab Assistant
10	Mr. Aamir Khan	B.Sc. (Hons.) Agriculture, KRMU	Farm Supervisor

7. School Infrastructure (Physical and learning)

The School of Agricultural Sciences offers a comprehensive range of teaching and learning resources that enhance both the academic experience and professional preparedness of students. Its state-of-the-art infrastructure includes smart classrooms with modern teaching tools, a well-established smart polyhouse and shade net for protected cultivation, commercial mushroom cultivation unit (student-managed enterprise), vermicompost unit, high-tech nursery with modern tools, fruit orchard, crop cafeteria with drip irrigation system, complete rainwater harvesting unit, biogas plant, medicinal garden, landscaping unit, a well-stocked library, computer labs, and specialized laboratories-agronomy, horticulture, soil science, plant protection, botany, agricultural engineering, extension and a Central Instrumentation Facility for research. The school also employs highly qualified and experienced Ph.D. faculty, ensuring expert guidance in both theoretical and practical learning.

In addition to physical infrastructure, the school provides a robust virtual environment with tools like an LMS (Moodle) for coursework management, virtual labs for remote experimentation, and 24/7 Wi-Fi access, fostering a flexible and technology-driven learning experience. The integration of Massive Open Online Courses (MOOCs) and experiential learning opportunities ensures that students are well-prepared for academic success and professional excellence. The curriculum is carefully designed to

engage students across all levels of Bloom's Taxonomy, promoting not only cognitive development but also emotional, social, and ethical growth. Continuous feedback from stakeholders, including faculty, industry experts, students, and alumni, ensures that the curriculum remains current, relevant, and aligned with the evolving needs of academia and industry.



Mushroom Cultivation and Value Addition



High-tech Polyhouse

8. Best Practices: Solid Waste Management (Brown and Green Waste Management) and Vermicomposting Production

The School of Agricultural Sciences (SOAS) at K.R. Mangalam University fosters a dynamic and holistic learning environment by integrating various best practices into its educational framework. These practices combine academic rigor with real-world applications, ensuring that students not only acquire theoretical knowledge but also develop practical skills, critical thinking, and a sense of social responsibility. SOAS emphasizes the importance of experiential learning, encouraging students to engage with community-driven initiatives and sustainability projects that bridge the gap between classroom education and societal needs.

Solid waste management is a critical component of environmental sustainability, focusing on the efficient collection, treatment, and disposal of waste materials. Brown and green wastes, which are commonly classified as organic wastes, play an important role in sustainable waste management systems. Brown waste is rich in carbon, while green waste is rich in nitrogen, and their proper management helps minimize environmental impacts and maximize resource recovery. Effective management of these organic wastes through practices such as composting, vermicomposting, and biogas production contributes significantly to environmental conservation and sustainable development. By adopting these best practices, institutions, communities, and industries can reduce waste generation, lower greenhouse gas emissions, and produce valuable by-products such as compost and biogas. A collaborative approach involving education, infrastructure development, and innovative technologies is key to achieving long-term success in organic waste management. Vermicomposting is a sustainable and effective method for managing organic waste while producing a valuable by-product that supports agriculture and gardening. With proper practices and infrastructure, it offers significant environmental and economic benefits, contributing to a circular waste management system. This hands-on involvement allows students to gain valuable experience while contributing positively to their surroundings. Parallel to this, SOAS promotes innovation in environmental sustainability through a variety of practical initiatives. Students are encouraged to engage in sustainability-focused projects, such as waste reduction, water conservation, and the development of eco-friendly solutions. These initiatives are embedded within the curriculum and are further supported by research opportunities that explore cutting-edge environmental challenges. Faculty members collaborate with environmental organizations and guide students through real-world case studies, where they apply their academic knowledge to solve complex environmental problems. The integration of environmental studies into the curriculum ensures that every student is equipped with the knowledge and skills to contribute to sustainability efforts, making them well-prepared for careers in the growing field of environmental science and sustainability.

Together, these best practices at SOAS create a comprehensive learning experience that combines academic learning with community involvement and environmental responsibility. Through these initiatives, students not only develop cognitive and psychomotor skills but also learn the importance of innovation, critical thinking, and active citizenship. The combination of classroom knowledge with real-world applications enhances students' academic engagement while promoting a deeper connection between education and its impact on society. This holistic approach ensures that graduates from SOAS are not only academically proficient but also responsible, ethical professionals ready to make meaningful contributions to the world.



**Brown and Green
Waste Management**

**Production of Vermi-
Compost for Organic
Farming**

9. School Education Philosophy

The educational philosophy of the School of Agricultural Sciences is built on fostering intellectual curiosity, critical thinking, and the practical application of scientific knowledge. Emphasizing a student-centric approach, SOAS integrates foundational science with real-world challenges, preparing students for leadership roles in both academia and industry. Through collaborations with national and international institutions, research organizations, and industries, the school provides cutting-edge resources and hands-on experiences that bridge the gap between theory and practice. SOAS is committed to empowering students with technical expertise while instilling ethical values, social responsibility, and a lifelong commitment to learning. The aim is to nurture well-rounded, innovative, and responsible individuals ready to contribute to scientific advancement and societal betterment.

10. Educational Pedagogy (Inside and outside classroom)

The School of Agricultural Sciences (SOAS) at K.R. Mangalam University has adopted an outcome-driven learning pedagogy that ensures a balanced focus on both cognitive and psychomotor development, promoting the overall intellectual and emotional growth of students. This structured approach is designed to cover all aspects of learning—cognitive, psychomotor, and affective—ensuring that students not only master the academic content but also develop essential life and professional skills.

Inside the classroom, SOAS emphasizes cognitive development by employing student-centric learning techniques such as detailed demonstrations, interactive workshops, guest lectures by industry experts, and hands-on practicals in well-equipped laboratories. These methods ensure that students engage deeply with the subject matter, building strong foundational knowledge and critical thinking skills. The practical aspect of learning allows them to directly observe and experiment with scientific principles, reinforcing theoretical knowledge and fostering a deeper understanding of complex concepts.



Case Study on Insect Fauna at Aravali Biodiversity Park, Gurugram



Workshop on Agriculture Start-Ups



Learning Beyond Classroom: A Visit to IARI, New Delhi



Agro-Marketing Strategy Contest

11. Evaluation

a. Evaluation scheme for theory courses

Evaluation Component	Weightage
Internal Marks (Theory): - I) Continuous Assessment (30 Marks) (All the components to be evenly spaced) Projects/ Quizzes/ Assignments and Essays/ Presentations/ Participation/ Case Studies/ Reflective Journals (minimum of five components to be covered)	30 Marks
Mid Term Exam	20 Marks
External Marks (Theory): – End Term Examination	50 Marks

* (It is compulsory for a student to secure 40% marks in the Internal and End Term Examination separately to secure minimum passing grade).

Overview of Internal Evaluation (30 Marks) –

Internal evaluation is designed to assess students' ongoing learning and application of course materials through diverse assessment methods. Instructors have full autonomy within the 30 marks to employ assessment strategies that best align with the course's learning objectives.

Recommended Assessment Types: -

Projects:- Individual or group projects focusing on research, analysis, and practical application of concepts.

Quizzes:- Regular, short assessments to evaluate understanding of the material.

Assignments and Essays:- In-depth tasks to assess critical thinking and problem-solving skills.

Presentations:- Assessing knowledge dissemination and communication skills.

Participation:- Evaluation of engagement and contributions to class activities.

Case Studies:- Application of theoretical knowledge to real-world scenarios.

b. Evaluation scheme for practical courses

Particular	Weightage
Internal Marks (Practical): - I) Conduct of Experiment II) Lab Records III) Lab Participation IV) Lab Project	10 Marks 10 Marks 10 Marks 20 Marks
External Marks (Practical): - End Term Practical and Viva Voce	50 Marks

*(It is compulsory for a student to secure 40% marks in Internal and End Term Practicals and Viva Voce separately to secure minimum passing grade).

c. Evaluation scheme for research project

Particular	Weightage
Internal Marks: - (Punctuality, Performance, Work Ethics, Efforts and Research Output)	50 Marks
External Marks (Practical): - Presentation Report Writing Viva Voce	50 Marks 20 10 20

d. Evaluation scheme for Internship

Particular	Weightage
Internal Marks: - Internship completion certificate obtained from supervisor from host institute.	30 Marks
External Marks (Practical): - Presentation Report Writing Viva Voce	70 Marks 25 25 20

*(It is compulsory for the student to provide an internship certificate issued by the relevant institution or organisation where they completed their internship during the evaluation process.)

e. Grading System

Based on the performance in all evaluation components of a Course, each student will be awarded a final grade in the Course registered, at the end of the semester. The total marks obtained by a student in the Course will be converted to a corresponding letter grade as described below.

Marks Range (%)	Letter Grade	Grade Points	Description of the Grade
% marks > 90%	O	10.0	Outstanding
80 < %marks ≤ 90	A+	9.0	Excellent
70 < %marks ≤ 80	A	8.0	Very Good
60 < %marks ≤ 70	B+	7.0	Good
55 < %marks ≤ 60	B	6.0	Above Average
50 < %marks ≤ 55	C	5.5	Average
40 ≤ %marks ≤ 50	P	5.0	Pass
%marks < 40	F	0	Fail
-	AB	0	Absent
%marks ≥ 50	S	-	Satisfactory
%marks < 50	U	-	Unsatisfactory
-	W	0	Withdrawal

12. Collaborations

The School of Agricultural Sciences (SOAS) actively engages in collaborations through Memorandum of Understanding (MoUs) with various research, and industrial institutions. These partnerships facilitate a range of activities designed to promote the academic and professional growth of both students and faculty. Under these MoUs, SOAS organizes student internship programmes, offering practical industry exposure, and educational visits that broaden students' understanding of real-world applications. Collaborative research efforts often result in joint publications and patents, enhancing the school's contribution to scientific advancements. Additionally, workshops, seminars, and Faculty Development Programmes (FDPs) are conducted regularly, providing opportunities for skill development, knowledge sharing, and networking with experts from diverse fields. These initiatives help students and faculty stay updated with the latest trends and advancements, fostering overall progress in their academic and professional journeys.

At present, the School of Agricultural Sciences (SOAS) has signed 12 Memoranda of Understanding (MoUs) with various esteemed institutions, fostering collaborations and enhancing academic and research opportunities.

S. No.	Partner Institution	Date of Signing	Type
1	Pranab Mukherjee Foundation	23/08/2019	NGO
2	Biocredence	22/08/2022	Education
3	Kinder Polyfarms	06/10/2022	Agro. Industry
4	The Green Planters	06/10/2022	Industry
5	Neer Care Agro	28/07/2023	Agro. Industry
6	Growel Formulations	04/09/2023	Agro. Industry
7	Verdanta	09/01/2024	Agro. Industry
8	Dharuhera Agro Farms	22/03/2024	Natural/Organic Farm
9	Bhagat Farms	23/04/2025	Natural/Organic Farm (IFS)
10	SODES	08/05/2025	NGO
11	Aravali Dairy & Agro Products Pvt. Ltd.	06/11/2025	Agro. Industry
12	Rotary Culb of New Gurgaon	27/04/2026	NGO



13. About the Programme:

The School of Agricultural Sciences on inception in the year 2019 has started the undergraduate degree programme of B.Sc. (Hons.) in Agriculture. It is designed to impart theoretical and practical knowledge and extension work. The hands-on experience helps to enrich student's skills and competence, as required by the industries and farmers today. Realizing the potential of agricultural industry, rising food demands and inlined requirement of trained human resource, the course of B.Sc. (Hons.) Agriculture has been developed. The School of Agricultural Sciences provides knowledge on a wide array of agricultural sciences and its related areas. Students will gain fundamental skills and knowledge in agriculture and related domains. The programme focuses on developing professional capabilities, skills and competence required in the field of agriculture. The Courses are composed of theory classes and practical in labs as well as on agriculture farms. The students are exposed to farmers' fields and attached with the farmers in the villages and agri-based Industries. Lab's work, site visits, seminars, workshops and educational tours in different Indian Agriculture Universities along with excursion tours are aimed to develop conceptual and analytical abilities of students as well as giving them practical and real time experience. The students are being trained in Agri- based and entrepreneurial skills like Organic farming, Herbal and Medicinal plant cultivation, Protected cultivation, Bee-keeping, Bio-pesticides and Bio-fertilizers, Mushroom cultivation and Value-added Fruit and Vegetable Products preparation.

Programme Outline

Programme curriculum distributed under the following parameters

I Year – Basic and Fundamentals

II Year – Principles and Methods (Technology)

III Year – Production System and Best Practices (For Encouraging Talent)

IV Year – Skills and Entrepreneurship Development (Case Studies, Live Projects, Trainings, and Internship)

Programme Educational Objectives (PEOs)

Programme Educational Objectives of a degree programme are the statements that describe the expected achievements of graduates in their career, and what the graduates are expected to perform and achieve during the first few years after graduation.

PEO 1: Encourage personal growth among students and boost their self-confidence, giving them opportunities to be an integral part of the agro-industry.

PEO 2: Successful agricultural professionals, entrepreneurs, administrators, and agri-industry.

PEO 3: Ethical in conduct, good human in respect to good character.

Programme Outcomes (PO)

Programme Outcomes are statements that describe what the students are expected to know and would be able to do upon the graduation. These relate to the skills, knowledge, and behaviour that students acquire through the programme.

On completion of B. Sc (Hons.) Agriculture programme, the students will be: -

PO1: Acquiring in-depth knowledge of agriculture and its allied branches to apply packages of practices for crop cultivation.

PO2: Having the ability to solve agricultural problems with creativity.

PO3: Developing abilities to work successfully in a team with all the stakeholders of agricultural sectors.

PO4: Capable of dealing with people and resolving their interpersonal relationship issues.

PO5: Recognizing and meeting emerging challenges in the agriculture of global society in the 21st century and developing leadership and strong linkages in the agro-industrial setup.

PO6: Applying ethical principles, professional ethics, and norms of scientific practices.

PO7: Employing improved scientific know-how for raising the income of farmers with forestry, horticulture, poultry, organic farming, beekeeping, mushroom cultivation, through integrated farming systems, etc. so that the farming community might be contributing to Viksit Bharat.

PO8: Having the ability to design layouts, conduct experiments, analyse and interpret data.

PO9: Having good communication skills.

PO10: To develop critical opinions and approaches to solve the most important practical problems by applying modern technologies.

Programme Specific Outcomes (PSOs)

Programme Specific Outcomes define what the students should be able to do at the time of graduation and they are programme specific. There are two to four PSOs for a programme.

On completion of B. Sc (Hons.) Agriculture programme, the students will be: -

PSO1: Understanding the concepts, theories, tools, techniques, models, methods, and principles in the agricultural sciences.

PSO2: Applying concepts/methodologies, theories, tools, techniques, models, and procedures in the packages of practices for sustainable crop cultivation and higher production.

PSO3: Evaluating complex conditions specific to agricultural problems, and conceptualization of agricultural issues.

PSO4: Developing innovative practices, processes, techniques, and technologies to meet the challenges in the agricultural & farming sectors.

PSO5: Evaluating modern practices and options for agricultural problems solutions.

Career Options

Government Jobs in the State Department of Agriculture as Agricultural Development Officer, Agriculture Inspector, Horticulture Development Officer, District Horticulture Officer, Soil Conservator, Soil Testing Officer, Plant Protection Inspector, and Plant Protection Officer. Plant Protection Quarantines, National Dairy Institutes, and Jobs in the finance sector/institutes like Banks and NABARD as Agriculture Assistant, Agriculture Development Officer, and many more.

Jobs in Corporate sectors such as Food Corporation of India, State warehouses, fertilizer companies like IFFCO, NFL, National and State, Seed Companies like National Seed Corporation, Haryana Seed Development Corporation, Central State Farms, Indo-Israeli, Precision Farming projects. • Private Seed Companies like MAHYCO and Pioneer Seed Company Pesticide Companies like BAYER, HIL, SYNGENTA, DOW, CYNAMID INDIA LTD, LUPIN and Biotech International PVT Ltd, and many more.

Self-entrepreneurships as a business in agriculture inputs like Fertilizers, Seed, Pesticides, Mushroom cultivation, and high-value fruit crops production like Strawberry cultivation, Poultry, Piggery Farms, and Organic Farming etc., Jobs in National and International Universities/Institutions after PG as Scientist or Professor, Can Appear in all National and state competitive examinations, To excel in all above positions, it requires a high-level skill and competence in respective field, high standard personal grooming and presentation.

Programme Duration

The minimum period required for the B.Sc. (Hons.) Agriculture programme offered by the university shall extend over a period of four Academic Years, i.e., 8 semesters. The Programme will be considered completed when the candidate has earned the minimum courses and credits required by the programme curriculum.

Eligibility Criteria

Candidate must have passed 10+2 with 50% marks in PCB/PCM/Agriculture with English as a compulsory subject from a recognized State or Central Board or Equivalent.

Eligibility Criteria for Award of Degree:

Degree Eligibility: For successful completion of programme, the students should secure a minimum of 168+10 (MOOC) credits at the end of the final year of the programme.

Programme Structure and Evaluation Scheme

Batch 2026-30

Type of courses	Credits
Core courses (Major & Minor/s)	112
Common courses (MDC+VAC+AEC)	24
Skill Enhancement Courses (SEC)	12
Internship/ Student READY	20
**MOOCS/SWAYAM	10 (Online Courses)
Total	168+10

Credits Allocation Scheme of B.Sc. (Hons.) Agriculture Programme

Semester	Core Courses (Major+ Minor)	Multi-Disciplinary Course (MDC)	Value Added Course (VAC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Internship/ Project/ Student READY	Total Credits	Non-Gradual	Online Courses/ MOOC
I	11	Farming based Livelihood systems 3(2+1)		NCC/NSS 1(0+1), Communication Skills 2(1+1)	SEC-I 2(0+2) & II 2(0+2)		21	Deeksharambh 1 Week, Introductory Mathematics 1(1+0),	10
II	11		Environmental Studies and Disaster management 3(2+1)	NCC/NSS 1(0+1), Personality Development 2(1+1)	SEC-III 2(0+2), & IV 2(0+2)		21		
Post-II Sem.						Exit Certificate 10 (0+10)			
III	14	Entrepreneurship Development and Business Communication (2+1)		Physical Education, First Aid and Yoga Practices 2(0+2)	SEC-V 2(0+2)		21		
IV	16		Agricultural Informatics and Artificial Intelligence 3(2+1)		SEC-VI 2(0+2)		21		

Semester	Core Courses (Major+ Minor)	Multi-Disciplinary Course (MDC)	Value Added Course (VAC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Internship/ Project/ Student READY	Total Credits	Non-Gradial	Online Courses/ MOOC
Post-IV Sem			F			Exit Diploma 10 (0+10)			10
V	19	Agricultural Marketing and Trade 3(2+1)					22	Study tour 2(0+2)	
VI	21						21		
VII	20						20 (EC)		
VIII						READY/ RAWE & AIA 20(0+20)	20		
Total	112	9	6	8	12	20	168	4	10

Course Structure

SOAS		B.Sc. (Hons.) Agriculture, Course Structure, 2026-30												
SEMESTER-I								SEMESTER-II						
SN _o	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C
1	NG		Deeksharambh	1 week				SEC-III	As per Table 1	Skill Enhancement course-III*	0	0	4	2
2	SEC-I	As per Table 1	Skill Enhancement course-I*	0	0	4	2	SEC-IV		Skill Enhancement course-IV*	0	0	4	2
3	SEC-II	As per Table 1	Skill Enhancement course-II*	0	0	4	2	AEC-III	ACAD Office	Personality Development	1	0	2	2
4	AEC-I	ACAD Office	Communication Skills	1	0	2	2	VAC-I	ASVAES201	Environmental Studies and Disaster Management	2	0	2	3
5	MDC-I	ASAGFB101	Farming based livelihood systems	2	0	2	3	Core	ASAGSS201	Soil Fertility Management	2	0	2	3
6	Core	ASAGRS102	Rural Sociology and Educational Psychology	2	0	0	2	Core	ASAGET202	Fundamentals of Entomology	2	0	2	3
7	Core	ASAGAG103	Fundamentals of Agronomy	2	0	2	3	Core	ASAGLP203	Livestock and Poultry Management	1	0	2	2
8	Core	ASAGSS104	Fundamentals of Soil Science	2	0	2	3	Core	ASAGPP204	Fundamentals of Plant Pathology	2	0	2	3
9	Core	ASAGHR105	Fundamentals of Horticulture	2	0	2	3	AEC-IV/ COMMUNITY SERVICES	ACAD Office	National Service Scheme (NSS-I)/ National Cadet Corps (NCC-I)	0	0	1	1
10	AEC-II/ COMMUNITY SERVICES	ACAD Office	National Service Scheme (NSS-I)/ National Cadet Corps (NCC-I)	0	0	2	1							
11	NG	ASAGMA106/ ASAGBI107	Introductory mathematics/ Basic Biology (Only One)	1	0	0	1							
TOTAL				11	0	20	21				10		22	22

								ASAGIN205		Internship		0	0	20	10
								(43+10) Exit Certificate							
Entry															
SEMESTER-III								SEMESTER-IV							
SN _o	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C	
1	SEC-V	As per Table 1	Skill Enhancement course-V*	0	0	4	2	SEC-VI	As per Table 1	Skill Enhancement course-VI*	0	0	4	2	
2	MDC-II	ASAGED301	Entrepreneurship Development and Business Communication	2	0	2	3	VAC-II(Workshop Model)	AGVAAI401	Agricultural Informatics and Artificial Intelligence	2	0	2	3	
3	AEC-V	ACAD Office	Physical Education, First Aid, Yoga Practices and Meditation	0	0	4	2	Core	ASAGPT402	Production Technology of Vegetables and Spices	1	0	2	2	
4	Core	ASAGGE302	Principles of Genetics	2	0	2	3	Core	ASAGAE402	Principles of Agricultural Economics and Farm Management	2	0	0	2	
5	Core	ASAGCP303	Crop Production Technology-I (Kharif crops)	1	0	4	3	Core	ASAGCP403	Crop Production Technology-II (Rabi Crops)	1	0	4	3	
6	Core	ASAGPT304	Production Technology of Fruit and Plantation Crops	1	0	2	2	Core	ASAGFM405	Farm Machinery and Power	1	0	2	2	
7	Core	ASAGEE305	Fundamentals of Extension Education	1	0	2	2	Core	ASAGWM406	Water Management	1	0	2	2	
8	Core	ASAGNE306	Fundamentals of Nematology	1	0	2	2	Core	ASAGPS407	Problematic Soils and their management	1	0	2	2	
9	Core	ASAGNF307	Principles and Practices of Natural Farming	1	0	2	2	Core	ASAGPB408	Basics of Plant Breeding	2	0	2	3	
	TOTAL			9	0	24	21	TOTAL				11	0	20	21
									ASAGIN409	Internship	0	0	20	10	
								(85+10) Exit Diploma							
Entry															
SEMESTER-V								SEMESTER-VI							
1	MDC-III	ASAGAM501	Agricultural Marketing and Trade	2	0	2	3		ASAGAB601	Fundamentals of Agri Biotechnology	2	0	2	3	
2	Core	ASAGAM502	Introduction to Agro-meteorology	1	0	2	2		ASAGAS602	Basic and Applied Agril Statistics	2	0	2	3	
3	Core	ASAGCP503	Fundamentals of Crop Physiology	2	0	2	3	Core	ASAGCI603	Crop Improvement (Rabi crops) - II	1	0	2	2	
3	Core	ASAGCP503	Fundamentals of Crop Physiology	2	0	2	3	Core	ASAGCI603	Crop Improvement (Rabi crops) - II	1	0	2	2	
4	Core	ASAGPM504	Pest management in Crops and Stored Grains	2	0	2	3	Core	ASAGRE604	Renewable energy in Agriculture and Allied Sector	1	0	2	2	

5	Core	ASAGDF505	Diseases of Field & Horticultural Crops & their Management	2	0	2	3	Core	ASAGDA605	Dryland agriculture/ Rainfed agriculture and watershed management	1	0	2	2
6	Core	ASAGCI506	Crop Improvement (kharif crops) - I	1	0	2	2	Core	ASAGAM606	Agricultural Microbiology and Phyto-remediation	1	0	2	2
7	Core	ASAGWM507	Weed Management	1	0	2	2	Core	ASAGAF607	Agricultural Finance & Cooperation	1	0	2	2
8	Core	ASAGOC508	Ornamental Crops, MAPs and Landscaping	1	0	2	2	Core	ASAGPB608	Essentials of Plant Biochemistry	2	0	2	3
9	Core	ASAGAF509	Introductory Agro Forestry	1	0	2	2	Core	ASAGSS609	Fundamentals of Seed Science & Technology	1	0	2	2
10	NG		Education Tour	2 Weeks										
	TOTAL			13	0	18	22	TOTAL			12	0	18	21
SEMESTER-VII								SEMESTER-VIII						
SN _o	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C	TYPE OF COURSE	COURSE CODE	COURSE TITLE	L	T	P	C
1	Core (DSEs)	ASAGAB701 to ASAGPH720 (As Per Table-2)	5 Elective Courses out of 20, Each of 4 (3+1) credits	15	0	10	20	Student Rural Entrepreneurship Awareness Yojana/Rural Agricultural Work Experience	ASAGRE801	Student READY/RAWE- General Orientation and training by different faculties/Village attachment/ Unit attachment in Univ. / College. KVK/ Research Station attachment, Component-I	0	0	40	20
2								Internship	ASAGAI802	Agro-Industrial attachment/Plant clinic /Project report preparation, presentation and evaluation, Component-II				
TOTAL				15	0	10	20	TOTAL			0	0	40	20
Online Courses (MOOCs/SWAYAM, etc.)													10	
G. Total												168+10		

Table-1 Skill Enhancement Courses

S. No.	COURSE CODE	COURSE TITLE	L	T	P	C
1	ASAGSE101	Biofertilizer and biopesticide production	0	0	4	2
2	ASAGSE102	Production Technology of Bioagents	0	0	4	2
3	ASAGSE103	Seed Production and Testing Technology	0	0	4	2
4	ASAGSE104	Mushroom Production Technology	0	0	4	2

5	ASAGSE105	Soil, Plant and Water Testing	0	0	4	2
6	ASAGSE106	Post-harvest Processing Technology	0	0	4	2
7	ASAGSE107	Beneficial Insect Farming	0	0	4	2
8	ASAGSE108	Plantation Crop Production and Processing	0	0	4	2
9	ASAGSE109	Poultry Production Technology	0	0	4	2
10	ASAGSE110	Piggery Production Technology	0	0	4	2
11	ASAGSE111	Commercial Horticulture	0	0	4	2
12	ASAGSE112	Floriculture and Landscaping	0	0	4	2
13	ASAGSE113	Food Processing	0	0	4	2
14	ASAGSE114	Agriculture Waste Management	0	0	4	2
15	ASAGSE115	Organic Production Technology	0	0	4	2
16	ASAGSE116	Commercial Sericulture	0	0	4	2
17	ASAGSE117	Video Production	0	0	4	2

Table-2 Discipline Elective Courses

S. No.	COURSE CODE	COURSE TITLE	L	T	P	C
1	ASAGAB701	Agri-Business Management	3	0	2	4
2	ASAGMN702	Management of natural resources	3	0	2	4
3	ASAGAC703	Agrochemicals	3	0	2	4
4	ASAGAJ704	Agricultural Journalism	3	0	2	4
5	ASAGLS705	Landscaping	3	0	2	4
6	ASAGPB706	Commercial Plant breeding	3	0	2	4
7	ASAGFS707	Food safety and standards	3	0	2	4
8	ASAGBN708	Bioformulation and Nano formulation	3	0	2	4
9	ASAGBB709	Biopesticides and Biofertilizers	3	0	2	4
10	ASAGSS710	System Simulation and Agro advisory	3	0	2	4
11	ASAGHH711	Hi-tech Horticulture	3	0	2	4
12	ASAGPC712	Protected cultivation	3	0	2	4
13	ASAGCR713	Climate Resilient Agriculture	3	0	2	4
14	ASAGBC714	Biotechnology of Crop Improvement	3	0	2	4
15	ASAGGI715	Geoinformatics and Remote Sensing, precision farming	3	0	2	4
16	ASAGMP716	Micro-propagation Technologies	3	0	2	4
17	ASAGCS717	Commercial Seed Production	3	0	2	4
18	ASAGOF718	Principles and Practices of Organic Farming/ Conservation Agriculture	3	0	2	4
19	ASAGFS719	Food Science and Nutrition	3	0	2	4
20	ASAGPH720	Post-Harvest Technology and Value Addition	3	0	2	4

14. Internships, Placement & Student Achievements:

Undergraduate students at the School of Agricultural Sciences (SOAS) are required to complete one month internship Agricultural Industrial Attachment (AIA) and 14 weeks READY programme and Experiential Learning Modules (ELP) during the final year of their degree programme, each semester carrying a weightage of 20 credits. This mandatory component is designed to provide hands-on experience and practical exposure, which are essential for obtaining their degree. Many students undertake internships at prestigious institutions with which SOAS has signed Memorandums of Understanding (MoUs), ensuring access to quality learning environments. Additionally, with the guidance and support of faculty members, students secure internships at renowned research institutes and industries, further enriching their academic and professional experiences. These internships enable students to bridge the gap between theoretical knowledge and real-world applications, preparing them for future challenges in academia and the workplace.

Training on Integrated Farming System Module



Students at Manju Innovative Organic I.F.S. Farm, Duhai, Ghaziabad

Placement Success at Green Cross Pharma



*Waseem
Alumni, Batch: 2020-24
SOAS, KRMU*

We are proud to share a moment of achievement for our students as Mr. Waseem has successfully secured a placement with Green Cross Pharma, a reputed pharmaceutical distribution company based in Faridabad.

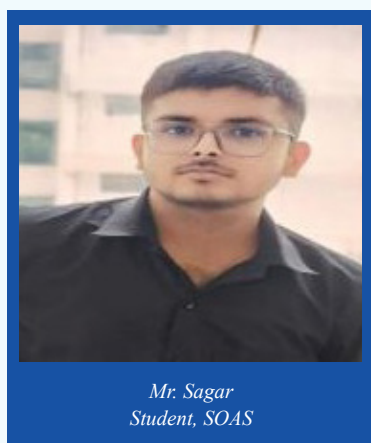
Mr. Waseem has been offered the position of Marketing Executive, marking an important milestone in his professional journey.

This accomplishment reflects not only Mr. Waseem's dedication and hard work but also the continuous efforts of the institution in nurturing industry-ready professionals. His selection highlights the growing opportunities in the pharmaceutical and marketing sectors for our students.

The School of Agricultural Sciences extends heartfelt congratulations to Mr. Waseem and wishes him great success in his future endeavours.

Placement Success at MD Biocoals Private Limited

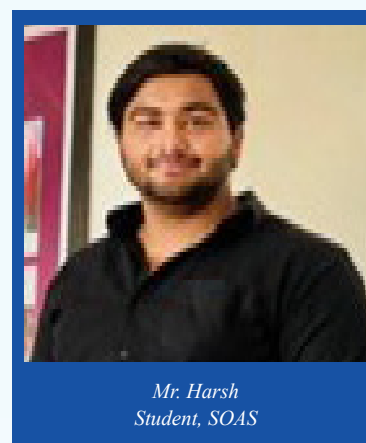
The School of Agricultural Sciences proudly celebrates another milestone in student achievement as several students secured successful placements at MD Biocoals Private Limited. This accomplishment reflects the students' dedication, academic excellence, and practical skills developed through continuous learning, industry exposure, and professional guidance. The placement opportunity at MD Biocoals Private Limited, a growing organisation in the sustainable energy and biofuel sector, marks an important step in their professional journey. Their success not only highlights individual talent and perseverance but also demonstrates the commitment of the School of Agricultural Sciences toward career-oriented education and industry readiness.



*Mr. Sagar
Student, SOAS*



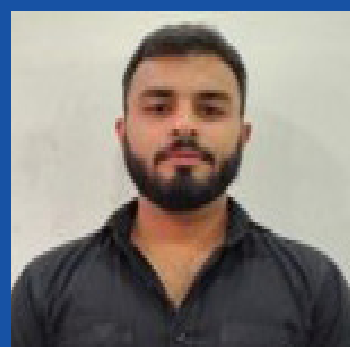
*Mr. Ansar
Student, SOAS*



*Mr. Harsh
Student, SOAS*



*Mr. Divesh
Student, SOAS*



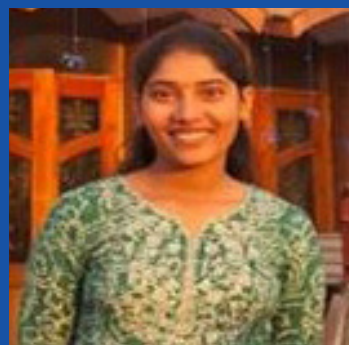
*Mr. Nitish
Student, SOAS*

Internship at IFFCO Gurugram.

Students of the School of Agricultural Sciences, K.R. Mangalam University, Mr. Shiv Rattan Yadav, Ms. Harshita, and Ms. Surabhi Dubey, from 2nd year B.Sc. (Hons.) Agriculture, successfully completed their internship programme at IFFCO from 2nd June to 30th June 2025 under the guidance of Dr. Jeewan Ram Khoja. During the internship, they worked on a project entitled “Case Study on Nano Fertilizers Awareness and Sales in Madhya Pradesh and Kerala State.” The programme provided them with practical exposure to the application, awareness, and market analysis of nano fertilizers, enhancing their understanding of sustainable agricultural practices and agri-business strategies. Their active involvement in field studies and data analysis reflects the commitment of SOAS to integrate academic learning with industry-oriented practical training, thereby preparing students for real-world challenges in agriculture.



*Mr. Harshita
Student, SOAS*



*Mr. Saurabhi Dubey
Student, SOAS*



*Mr. Shiv Rattan
Student, SOAS*

Hands-on Learning at ICAR-NRCL:



*Sakshi Sneha
B.Sc. (Hons.) Agriculture
IV Year*

Ms. Sakshi Sneha, a B.Sc. (Hons.) Agriculture student of K.R. Mangalam University, Gurugram, successfully completed a two-week internship programme titled “Post-Harvest Management in Litchi” at the ICAR–National Research Centre on Litchi (NRCL), Muzaffarpur, Bihar. The internship was conducted from 21st July to 3rd August 2025 under expert guidance at the national research institute.

During the programme, Ms. Sakshi Sneha gained hands-on exposure to scientific practices related to post-harvest handling, grading, storage, processing, and quality management of litchi. The training emphasised modern technologies aimed at reducing post-harvest losses and improving shelf life and market value of horticultural produce. Interaction with scientists and technical staff further enriched her understanding of research-based solutions in fruit crop management.

15. Experiential Learning Calender

S.NO	Name of the event	Date of the Event	Nature of events	SDG Goals	Organizer	Objective	Expected Outcome
1	Visit to KVK/ Agri. Institute	06-10-2025	NAAC 2.3.1	SDG 2: Zero Hunger	Dr. Anjali Tomar	To understand the role of KVKs in transferring agricultural technologies to farmers and rural communities	The visit will enhance their motivation to pursue careers in agricultural extension, rural development, and entrepreneurship
2	Student immersion programme to Jaipur	October	NAAC 2.3.1	SDG 4: Quality Education	Dr. Anjali Tomar, Dr. Ambika Bhandari	To encourage empathy, civic engagement, and national identity through experiential learning.	Ability to connect classroom learning with real-world experiences in areas related to agriculture
3	One Day Workshop on "Agriculture Start-Ups" in collaboration with KEIC	07-11-2025	NAAC 3.3.1	SDG 8: Decent Work & Economic Growth	Dr. Deepak Kumar	To Promote Agri-Entrepreneurship.	Students gained insights into the concept of agriculture-based startups and their role in addressing rural challenges through innovation and entrepreneurship.
4	Activity-1- Project work with New MoU Partner	Full Semester	NAAC3.7.1	SDG 13: Climate Action	Dr. Anjali Tomar	To collaboratively eliminate single-use plastics and promote sustainable alternatives in villages through community engagement and capacity-building with our MoU partner.	Establishment of model plastic-free villages with increased awareness, reduced plastic usage, and adoption of eco-friendly practices
5	Activity-2- Project work with New MoU Partner	Full Semester	NAAC3.7.1	SDG 15: Life on Land	Dr. Ambika Bhandari	"To provide students with practical experience in nursery techniques and community-based rural development."	The project will equip students with hands-on experience in nursery operations while strengthening their knowledge of rural development practices.
6	Capacity Development Programme on Career Competency through Soft Skills:(Give Certificates to Students)	September	NAAC5.1.3	SDG 4: Quality Education	Dr. Ambika Bhandari	To enhance students' interpersonal abilities by focusing on key soft skills such as communication, confidence, and collaboration.	Students will gain improved communication, confidence, and collaboration skills essential for academic and professional success
7	Capacity Development Programme on Awareness on Trends and Technology of Microbiological Techniques with a Glimpse into Crop Stress Solutions	September	NAAC 5.1.3	SDG 4: Quality Education	Dr. Neha Sharma	To build student capacity in basic microbiological techniques and introduce concepts of crop stress resilience.	Students gain practical lab skills and awareness of microbial applications in sustainable agriculture, aligning with SDG 4

S.NO	Name of the event	Date of the Event	Nature of events	SDG Goals	Organizer	Objective	Expected Outcome
8	FDP on "Sustainable Agriculture through Advanced Concepts in Natural & Organic Farming"	June/July 2026	NAAC6.3.3	SDG 2: Zero Hunger	Dr. Deepak Kumar	To enhance faculty understanding of innovative and sustainable natural farming practices.	Enhanced understanding of natural farming concepts and techniques.
9	"Inter-Institutional Quality Enhancement Workshop on Best Practices in Teaching-Learning and Assessment" in collaboration with IQAC & G. D. Goenka University, Gurgaon	24/10/2025 to 25/10/2025	NAAC6.5.2	SDG 17	Dr. Rabiya Basri	To promote a culture of continuous quality improvement through inter-institutional collaboration.	Establishment of a peer-support quality consortium among institutions.
10	Orientation Programme on quality in Agriculture Education for Educators and Students in collaboration with IQAC	03-10-2025	NAAC6.5.2	SDG 4: Quality Education	Dr. Jay Nath Patel	To educate participants on the significance of quality in education and promote a culture of continuous improvement.	Increased awareness and understanding among participants about the importance of quality standards and continuous improvement in education.
11	"Understanding Farmers' Constitutional Rights and Government Schemes"	25-09-2025	NAAC 7.1.8	SDG 16: Peace, Justice & Strong Institutions	Dr. Gajraj Yadav	To increase awareness about farmers' constitutional rights and government schemes	Increased awareness and understanding among participants about the farmers' rights
12	Session on Antidiscrimination Awareness among students in collaboration with Antidiscrimination and Minority Committee	09-02-2025	NAAC 7.1.9	SDG 10: Reduced Inequalities	Dr. Deepak Kumar	To raise awareness about different forms of discrimination (caste, religion, gender, disability, etc.). To promote equality, inclusion, and respect among students. To sensitise students to the impact of discriminatory behaviour	Students will gain a deeper understanding of discrimination and its consequences, become more empathetic, and commit to inclusive behaviour
13	Training Programme on Professional Ethics for Teaching & Non-Teaching Staff	11-10-2025	NAAC 7.1.10	SDG 16: Peace, Justice & Strong Institutions	Dr. J.S. Yadav	To improve educators' understanding of ethical issues in teaching and learning.	Increased awareness and adherence to professional codes of conduct and ethical guidelines.
14	Training Program on Code of Conduct for Students	Induction Week	NAAC 7.1.10	SDG 4: Quality Education	D. Anjali Tomar	To educate students about the importance of integrity and ethical behaviour	Familiarity with K.R Mangalam University Code of Conduct Policy for Students

S.NO	Name of the event	Date of the Event	Nature of events	SDG Goals	Organizer	Objective	Expected Outcome
15	Training Programme on Professional Ethics for Students	Induction Week	NAAC 7.1.10	SDG 4: Quality Education	D. Anjali Tomar	To increase students' understanding of ethical principles and their importance in professional settings	Foster a culture of integrity and responsibility among students
16	Agro-Marketing Strategy Contest	28-11-2025	NAAC 5.3.3/5.1.3	SDG 13: Climate Action	Dr. Jay Nath Patel	To encourage students to apply innovative marketing concepts in agriculture	Participants will gain practical exposure to developing marketing strategies for agricultural products
17	Soil Health Diagnosis Contest	26-11-2025	NAAC 5.3.3/5.1.3	SDG 13: Climate Action	Dr. Gajraj Yadav	To create awareness among students about the importance of soil health in sustainable agriculture	Students will learn diagnostic techniques for assessing soil health and fertility
18	Activity 1:- Efficient Management of livestock farm in collaboration with New MoU partner 1 (Aravali Agro & Dairy Products Pvt. Ltd.)	Full Semester	3.7.1	SDG4	Dr. Rabiya Basri, Dr J.S Yadav	'To provide students with practical experience in livestock farm management through a collaborative.	Internship certification, Students gain a comprehensive understanding of livestock management principles and practices and develop practical skills through hands-on experience in various aspects of livestock farm operations.
19	Activity 2:- Advanced Vermicomposting Techniques with New MoU partner 1 (Aravali Agro & Dairy Products Pvt. Ltd.)	Full Semester	3.7.1	SDG1	Dr Gajraj, Dr Jay Nath Patel	MoU Establishment and Partnership Formation	Enhanced vermicomposting techniques lead to the production of high-quality compost with balanced nutrient content and improved soil conditioning properties.
20	Insect Fauna at Aravali Biodiversity Park, Gurugram and its impact on Ecosystem	Full Semester	3.6.1	SDG11: Sustainable cities and communities SDG 15: Life on Land	Dr. Rabiya Basri	To design the data-driven conservation strategies for protecting native insect species and their habitats.	Enhanced understanding of the diversity and ecological roles of insect fauna, contributing to the conservation and sustainable management of terrestrial ecosystems.
21	Conference	December	NAAC 3.4.4	SDG 13: Climate Action	International Conference	To present the latest research work carried out on various agricultural and horticultural crops	Feedback will be collected from the participants

16. Testimonials (Outstanding students/Alumni)



*Rihan Barkat
Alumni,
SOAS, KRMU*

My journey at K.R. Mangalam University has been truly enriching and transformative, both academically and personally. The School of Agricultural Sciences provided a strong academic foundation complemented by extensive hands-on training, enabling me to understand agriculture from both theoretical and practical perspectives. Regular field visits, laboratory experiments, internships, and interactive classroom sessions helped me develop analytical thinking and problem-solving skills. The supportive learning environment and constant encouragement from faculty members motivated me to explore new ideas and build confidence in my abilities. Exposure to real-life agricultural challenges and innovative practices prepared me to adapt to dynamic professional environments. Today, as I pursue my career in the agricultural sector, I find myself consistently applying the knowledge, skills, and values nurtured at KRMU.



*Yogesh
Alumni,
SOAS, KRMU*

The School of Agricultural Sciences follow a holistic approach to education by seamlessly integrating classroom learning with practical exposure and experiential training. This approach helped me gain a comprehensive understanding of agricultural sciences while fostering innovation, leadership, and critical thinking. The mentorship and guidance provided by the faculty played a significant role in enhancing my technical competence and professional discipline. Opportunities such as workshops, seminars, research activities, and industry interactions broadened my perspective and prepared me for the evolving demands of the agricultural and agritech sectors. As I move forward in my professional life, the strong foundation laid at KRMU continues to guide my decisions and growth



*Parth
Alumni,
SOAS, KRMU*

Studying at K.R. Mangalam University has been a rewarding and inspiring experience that greatly influenced my career aspirations. The School of Agricultural Sciences places strong emphasis on skill development, innovation, and practical learning, which helped me gain clarity and confidence in my chosen field. Exposure to field-based learning, project work, and hands-on training enabled me to apply classroom concepts to real-world agricultural situations. The nurturing academic environment and continuous support from faculty members encouraged me to develop leadership qualities, teamwork skills, and a problem-solving mindset. These experiences have been invaluable as I work towards contributing meaningfully to the agricultural sector. I take immense pride in being an alumnus of KRMU and will always cherish the experiences, values, and lessons that laid a strong foundation for my professional journey.

Contact Details

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Phone: 01148884888, 8800697010 - 15, 8192888444

18. Appendices:

Appendix-I, Standard Operating Procedure (SOP) for Internship

All undergraduate students at the School of Agricultural Sciences must complete a summer internship as part of their curriculum to earn two credits for each internship. The internship should provide students with practical experience and exposure to real-world applications of their academic knowledge. The following guidelines outline the procedure, expectations, and requirements for the internship:

1. Eligibility

- All undergraduate students enrolled in the School of Agricultural Sciences in four-year bachelor's degree programme are required to undertake an internship at the end of the final year.
- The internship should be related to the student's field of study; the core agriculture disciplines.

2. Internship Duration

- The internship should last for a minimum of 4 to 6 weeks (approximately 120 to 150 hours) during the summer break.
- The total time commitment must meet the requirements to qualify for the allocation of 2 credits for each internship.

3. Internship Scope

- Internships can be carried out in various sectors, including:
- Research institutions and laboratories.
- Industries/Organisations related to crop research institutes (ICAR/SAUs/NGO/Private Educational Institutes/Cooperatives), seed companies, agro-industries, KVKs, horticulture farms, food processing units, etc.
- Universities or academic institutions offering summer research/internship programmes.
- Startups or established companies in relevant fields.
- The chosen internship must offer hands-on experience and align with the student's academic and career goals.

4. Selection Process

- Students may arrange internships through:
- University-organised programmes or collaborations (MOUs with industries and institutions).
- Direct applications to organisations.
- Internship portals or professional networks.
- Before finalising the internship, students must receive approval from their academic advisor/mentor to ensure the internship meets academic standards and aligns with the student's study area.

5. Learning Outcomes

- Students are expected to achieve the following outcomes:
- Apply theoretical knowledge to practical scenarios.
- Develop professional skills, such as communication, teamwork, and time management.

- Gain an understanding of industry practices, research methodologies, or advanced laboratory techniques.
- Enhance problem-solving and critical thinking skills in real-world applications.

6. Documentation and Evaluation

- **Internship Proposal:** Before starting the internship, students must submit a proposal including details of the organization, internship objectives, and duration for approval by the academic advisor/mentor.
- **Daily/Weekly Log:** Students must maintain a record of activities carried out during the internship, summarizing tasks and reflecting on learning.
- **Internship Report:** Upon completion, students must submit a detailed internship report that includes:
 - Description of the organization and work environment.
 - Summary of tasks and projects undertaken.
 - Learning experiences and skills acquired.
 - Challenges faced and how they were addressed.
 - Reflections on how the internship relates to their academic programme.
- **Supervisor Evaluation:** The internship supervisor at the host organisation must provide a certificate to students on successful completion of the internship programme.

7. Credit Allocation

- Evaluation scheme for internship

Particular	Weightage
Internal Marks: - Internship completion certificate obtained from the supervisor from the host institute	30 Marks
External Marks (Practical): -	70 Marks
Presentation	25
Report Writing	25
Viva Voce	20

- Students must pass all evaluation components to receive the 2 credits.

8. Deadlines

- **Internship Proposal Submission:** At least two weeks before the commencement of the internship.
- **Final Report Submission:** Within two weeks after completing the internship.

9. Code of Conduct

- Students must adhere to the professional code of conduct during their internship, maintaining ethical behaviour, punctuality, and a commitment to learning.

Any issues or disputes during the internship should be immediately reported to the academic advisor/mentor.

STANDARD OPERATING PROCEDURE (SOP) FOR ISSUING NOC TO STUDENTS

Objective: The objective of this SOP is to ensure a systematic and transparent process for issuing NOCs to students for job placements or training opportunities, thereby facilitating their professional development while maintaining academic standards and compliance.

1) Request Submission:

The following documents are to be submitted/ uploaded by the student for the requirement of NOC:

- 1.1) Cover Letter: Detailing how the internship/placement aligns with their academic programme and career objectives.
- 1.2) Offer Letter: An official document from the organisation outlining the role, duration, and conditions.
- 1.3) Internship/Placement Plan: A document explaining the expected learning outcomes and how the student intends to balance their academic responsibilities.

The above documents are to be addressed to the concerned school dean/head.

2) Approval Process:

Document Verification and review by Dean/Head:

- 2.1) Dean/ Head verifies the authenticity of the request and the supporting documents provided by the student as per point no. 1.
- 2.2) Dean is required to approve the request if the following parameters are met:
 - Relevance: The internship/placement must be relevant to the student's academic requirements.
 - Educational Value: There must be clear learning outcomes and professional development opportunities stated by the student in the cover letter.
 - Academic Commitment: The Students must clearly indicate how they will manage their coursework alongside the internship/placement.

The Dean/Head will approve the request after verifying the documents provided by the student.

Note: In case the Dean/Head rejects the request, he/she needs to give a valid reason in writing for the same.

3) Issuance of NOC:

- 3.1) Upon approval, the CDC will issue the NOC, stating that the University has no objection to the student pursuing the job placement or training/internship opportunity. (Annexure 1)

4) Student acknowledgments:

- 4.1) The NOC is handed over to the student, who acknowledges receipt.

5) Record Keeping:

- 5.1) Records of NOC copies issued are to be maintained by the CDC department and respective schools.

6) Follow-Up:

- 6.1) Throughout the duration of the job placement or training, the University may conduct periodic checks to ensure that the student is fulfilling their academic and other obligations.
- 6.2) Any issues or concerns that arise during this period are addressed promptly by the CDC/Dean/Head in coordination with the student and the employer or training organisation.

7) Appeal in case the request is rejected:

- 7.1) If the decision of the Dean/Head is not acceptable to the student, he/she may request Dean Academics to review all documents and render a decision.
- 7.2) Students must file their appeal no later than 10 working days after the school's rejection date. If the student does not file a timely appeal, the decision of the Dean/Head will be final.
- 7.3) A student's appeal must be submitted in writing and include all the relevant documents mentioned in point no.1 along with the Dean/Head's reason for not approving the request.
- 7.4) Dean Academics will review the request along with all the submitted documents and may seek clarifications from the student and Dean/head to conclude the final decision.
- 7.5) The decision of the Academic Dean will be final and binding; there is no further appeal.

No-Objection Certificate

This is to certify that _____, Roll. No. _____ is a Bonafide student of _____ at School of Agricultural Sciences, K.R. Mangalam University during the academic year _____. This certificate states that the University has no objections to the consideration of the application for Summer Internship (year)_____ at _____ during the summer vacation i.e. the period from _____. However, he/she will appear for the End Term Examination held at the university campus.

Prof. (Dr.) Joginder Singh Yadav

Dean

School of Agricultural Sciences

K.R. Mangalam University

CC:

1. Dean Academics
2. Career Development Cell
3. Programme Coordinator
4. Mentor



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

Ref. No. KRMU/SOAS/.....

Date:-.....

This is to certify that S/O or D/O..... bearing enrolment number..... is a student of School of Agricultural Sciences for the academic year..... He or She is a Bonafide student of K.R. Mangalam University.

Signature Head of the School/Faculty
(With stamp and seal)

 **Website**
krmangalam.edu.in

 **Phone**
011 -48884888

 **Address**
Sohna Road, Gurugram, Haryana
122103

APPENDIX-III

Standard Operating Procedure (SOP) for Research Project / Dissertation

All undergraduate students at the School of Agricultural Sciences are required to complete a research project under the supervision of a faculty member in their final year. The project is a crucial component of the curriculum and provides students with the opportunity to apply their academic knowledge to real-world research problems. Successful completion of the research project will lead to the awarding of the required credits as per the course structure.

1. Eligibility

- All final-year undergraduate students are required to complete a research project in their chosen field of study.
- The project must be undertaken under the supervision of a faculty member from the School of Agricultural Sciences.

2. Project Duration

- The project is generally conducted over one semester of the final year, based on the course structure.
- Students are expected to dedicate a significant amount of time to the project to meet the required credits.

3. Project Scope

- The research project must be directly related to the student's field of study, which may include topics from core disciplines of agriculture, including allied sciences.
- Students are encouraged to work on current and relevant topics, including experimental, theoretical, computational, or applied research.
- Projects can involve individual or group work, as defined by the supervisor.

4. Project Selection

- Supervisor Assignment: Each student will be assigned or can select a faculty supervisor based on their area of interest and available projects.
- Topic Approval: Students must submit a research proposal outlining their project objectives, methodology, outcomes and timeline. The proposal must be approved by the faculty supervisor of the student.
- The research project topic should align with the academic interests of both the student and the faculty supervisor and should be feasible within the given time frame and resources.

5. Learning Objectives

- The research project aims to achieve the following:
 - Develop research skills, including data collection, analysis, and interpretation.
 - Enhance problem-solving and critical thinking abilities.
 - Improve technical writing and presentation skills.
 - Foster innovation and creativity in scientific inquiry.
 - Promote collaboration and teamwork, where applicable.

6. Project Phases

- **Initial Proposal:** Students must develop a research proposal that defines the project's objectives, scope, and expected outcomes. This should be approved by the faculty supervisor.
- **Literature Review:** Students must conduct a comprehensive review of existing research related to their project topic and present the findings as part of their progress.
- **Data Collection and Analysis:** Depending on the nature of the project, students will gather data through experiments, simulations, or theoretical work and analyse the findings.
- **Drafting the Final Report:** The final report will include a detailed description of the research, methodology, results, and conclusions.

7. Documentation and Submission

- **Research Proposal:** Students are required to submit a research proposal that clearly defines the problem statement, research methodology, and expected outcomes. The proposal must be approved by the supervisor.
- **Progress Reports:** Students must submit periodic progress reports to their supervisor, summarising the research activities, challenges encountered, and the next steps.
- **Final Project Report:** Upon completion of the project, students must submit a final report that includes:
 - Introduction and background of research.
 - Detailed methodology.
 - Data analysis, results, and discussion.
 - Conclusion and future scope of research.
 - References and bibliography.
- **Project Presentation:** Students will be required to present their research findings through a presentation to a panel of faculty members.

8. Evaluation Criteria

- The evaluation of the research project will be based on the following:

Particular	Weightage
Internal Marks (to be provided by supervisor): - (Punctuality, Performance, Work Ethics, Efforts and Research Output)	50 Marks
External Marks: - Presentation	50 Marks
Report Writing	20
Viva Voce	10
	20

- Students must meet all evaluation criteria to successfully earn the credits assigned to the research project in their course structure.

9. Code of Conduct

- Students must adhere to the highest standards of academic integrity and ethics while conducting research.

- Any form of plagiarism, data manipulation, or misconduct will lead to disqualification from the project and disciplinary action.
- Regular communication with the supervisor is mandatory to ensure timely completion of the project.
- Students must respect deadlines and follow the guidelines provided by the school and supervisor.

10. Deadlines

- **Research Proposal Submission:** Within the first month of the final year or as directed by the department.
- **Progress Reports:** As specified by the supervisor, typically at key milestones of the project.
- **Final Report Submission:** At the end of the final semester or by the deadline set by the supervisor.
- **Presentation:** At the end of the semester, after the end term examination.

APPENDIX-IV

General Standard Operating Procedure (SOP) for All Labs

These Standard Operating Procedures (SOPs) provide guidelines for safe and efficient conduct in the Agricultural Science laboratories. All university students must adhere to these protocols to ensure safety, accuracy in experiments, and the responsible use of lab resources.

1. Lab Attendance and Conduct

- Students must arrive on time and sign the attendance register before entering the lab.
- Follow the instructions of the lab supervisor and respect the lab environment.
- Avoid unnecessary movements or distractions; focus on your assigned tasks.

2. Personal Protective Equipment (PPE)

- Lab coats, safety goggles, and gloves must be always worn, depending on the nature of the experiments.
- Long hair should be tied back, and loose clothing or accessories should be secured.
- Closed-toe shoes are mandatory in all lab environments.

3. Preparation for Lab Sessions

- Read and understand the lab manual or experimental procedure prior to entering the lab.
- Be aware of the potential hazards to the materials and equipment you will use.
- Students are required to maintain a lab notebook to record their procedures, observations, and results.

4. Handling Equipment and Materials

- All equipment and materials should be handled with care, as instructed by the lab supervisor.
- Do not use equipment without prior authorization from the instructor.
- Report any malfunctioning equipment or hazards immediately.

5. Chemical and Sample Handling

- All chemicals and samples must be properly labelled before use.
- Never taste or directly smell chemicals; use wafting techniques when necessary.
- Dispose of chemicals and samples according to the designated waste disposal procedures for each lab.

6. Emergency Procedures

- In case of an accident, fire, or chemical spill, immediately notify the lab supervisor.
- Know the locations of safety equipment, such as fire extinguishers, safety showers, and first-aid kits.
- Emergency exits should always be kept clear.

7. Cleaning and Storage

- All workstations should be cleaned after experiments, and all materials and equipment should be returned to their designated storage places.
- Wash hands thoroughly after completing the lab work, even if gloves were worn.
- Ensure proper disposal of waste and return all equipment to its original state.



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