

*Empowering
Nation for the
Future Global Dairy*



INFORMATION BULLETIN



**ICAR-NATIONAL DAIRY RESEARCH INSTITUTE
(DEEMED UNIVERSITY), KARNAL, HARYANA**

www.ndri.res.in

MAJOR ACHIEVEMENTS

- 1923 Established as Imperial Institute of Animal Husbandry and Dairying in Bangalore.
- 1936 Renamed as “Imperial Dairy Institute”.
- 1955 Established as National Dairy Research Institute (NDRI) at Karnal with Southern Regional Station of the Institute at Bangalore.
- 1982 Karan Fries cattle breed developed.
- 1987 Embryo Biotechnology Centre established.
- 1989 The Institute granted “Deemed to be University” status by the UGC.
- 1990 Birth of Pratham, First IVF buffalo calf of the world.
- 2004 First IVF Goat kid born at NDRI.
- 2009 World First Cloned Buffalo Calf and second cloned calf “Garima” produced by hand-guided cloning technique at NDRI.
- 2012 Sahiwal Calf “Holi” through Ovum Pick up (OPU-IVF) technique born.
- 2012 National Referral Center for Milk Quality & Safety Established.
- 2013 First female calf named 'Mahima' was born to a cloned buffalo.
- 2014 NDRI bagged the Sardar Patel Outstanding ICAR Institution Award.
- 2014 NDRI got ISO 9001: 2008 certification.
- 2016 Two service centres established at Lalukheri, Muzzafarnagar (UP) and Piprakothi East Champaran (Bihar).
- 2017 Additional KVK established at Eastern Campus, Kalyani.
- 2018 NABL Accreditation status granted to National Referral Center for Milk Quality & Safety.
- 2022 ICAR-NDRI ranked first among all Agricultural Universities and four Deemed Universities of ICAR consecutively for five times (2016-2017, 2017-2018, 2018-2019, 2019-2020 and 2020-2021).
- 2022 Centenary year celebrations of the Institute inaugurated.
- 2023 India's first cloned cattle, named 'GANGA', was born.
- 2024 NEP-2020 provisions have been implemented B.Tech. (Dairy Technology) programme started at SRS, Bengaluru.
- Started two new UG programme B.Tech. (Biotechnology) and B.Tech. (Food Technology) at NDRI, Karnal.
- ICAR-NDRI, Karnal ranked Second by National Institution Ranking Framework (NIRF) in Agriculture Universities of the nation continuously second time.
- Live birth of buffalo calf with β -lactoglobulin knockout gene using gene edited technology.

Information Bulletin



Admission to UG, PG & PhD Programmes (2025-26)



ICAR-National Dairy Research Institute
(Deemed University)
Karnal-132001, Haryana, India

उच्च शैक्षिक संस्थानों का रैंकिंग
12 अगस्त, 2024
भारत मंडपम, नई दिल्ली

Release of **INDIA RANKINGS 2024**





भा.कृ.अनु.प.-राष्ट्रीय डेरी अनुसंधान संस्थान
ICAR-NATIONAL DAIRY RESEARCH INSTITUTE
(मान्य विश्वविद्यालय)
(Deemed University)



(भारतीय कृषि अनुसंधान परिषद)
(Indian Council of Agricultural Research)

करनाल-132001, (हरियाणा) भारत
KARNAL- 132001, (Haryana) India

डॉ. धीर सिंह, एफ.एन.ए.एससी, एफ.एन.ए.एस, एफ.एन.ए.डी.एस.
निदेशक एवं कुलपति

Dr. Dheer Singh, FNASc, FNAAS, FNADS
Director & Vice-Chancellor



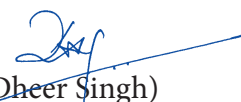
PREFACE

It gives me immense pleasure to present the Information bulletin of the ICAR-National Dairy Research Institute (NDRI), Karnal, which encapsulates the academic programmes, research achievements, and the rich legacy of this premier institute in advancing the Indian dairy sector.

ICAR-NDRI is the only unique global academic and research organization which is exclusively committed the exponential growth of dairy sector in particular and animal science in general its academic endeavours. More than 103 years of glorious legacy is the testimony of the institute's immense contribution towards the development of Indian dairy sector by generating and disseminating the need based technologies for wide range of stakeholders. Since its inception, NDRI has been at the forefront of pioneering research and innovation in dairying, contributing significantly to the success of the White Revolution in India. The institute has not only strengthened the scientific foundation of the dairy sector but has also emerged as a hub of human resource development, nurturing generations of skilled professionals, researchers, entrepreneurs, and policymakers who have transformed the dairy landscape of our country.

Our academic excellence is evident by the fact that we have been ranked as Top Agricultural university for the 5 consecutive times by the Indian Council of Agricultural Research (ICAR) and stood Second among 145 Agricultural Universities by the National Institute Ranking Framework (NIRF). Our commitment to academic excellence is reflected in the diverse education programmes we offer—Undergraduate, Postgraduate, and Doctoral—supported by a vibrant research ecosystem and state-of-the-art facilities. By integrating frontier areas of dairy science, veterinary sciences, dairy & food technology, biotechnology, and allied disciplines, NDRI continues to generate knowledge and technologies that directly benefit farmers, industry, and consumers alike.

In alignment with the vision of the National Education Policy (NEP)-2020, the institute is gearing up to expand its global footprint by fostering multidisciplinary education, promoting innovation and start-up culture, encouraging international collaborations, and offering unique programmes that prepare students to compete at the global level. Through our academic and research endeavours, we remain dedicated to strengthening the dairy value chain and enhancing nutritional security, economic empowerment of farmers, and sustainable growth of the dairy sector. I am confident that this bulletin will serve as a valuable guide for students, academicians, industry stakeholders, and all those interested in engaging with ICAR-NDRI. I invite you to explore the opportunities that this institute offers and to join us in our mission of empowering India through dairy science and technology.


(Dheer Singh)

Director & Vice-Chancellor



भा.कृ.अनु.प.-राष्ट्रीय डेरी अनुसंधान संस्थान
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(Indian Council of Agricultural Research)
करनाल-132001, (हरियाणा) भारत
KARNAL- 132001, (Haryana) India



डॉ. आशीष कुमार सिंह

संयुक्त निदेशक (शैक्षणिक) एवं डीन

Dr. Ashish Kumar Singh

Joint Director (Academic) & Dean



PREFACE

The ICAR–National Dairy Research Institute (NDRI), (Deemed-to-be-University) Karnal has been at the forefront of strengthening the Indian livestock sector in general, and the dairy sector in particular, through its pioneering research and quality human resource development. With its excellent academic ambience, the Institute has consistently attracted students from across the nation, nurturing talent and creating opportunities for professional excellence. Over the years, ICAR-NDRI has achieved several milestones and has successfully implemented the ambitious IDP-NAHEP project for undergraduate students, focusing on their holistic development beyond professional competencies. The postgraduate and doctoral programmes of the Institute have gained wide recognition, with our graduates and scholars being in great demand in industry, academia, research organizations, and the government sector owing to the quality education, multidisciplinary exposure, and innovation-driven ecosystem offered here.

B. Tech. (Dairy Technology) remains our Flagship programme since the inception of Dairy Science College. In its continued efforts to expand opportunities, the Institute has recently introduced two new undergraduate programmes in Food Technology and Biotechnology, along with certificate courses for students and scholars from other educational institutions. These additions further strengthen our academic portfolio and open new avenues for learning and collaboration. Actively functional Business Incubation Centre of the institute is mentoring entrepreneurs and start-ups including the students in successful execution of the innovative business ideas.

Aligned with the National Education Policy (NEP-2020), ICAR-NDRI is progressing towards becoming an institute of global repute by adopting innovative practices in teaching, research, and student engagement. The purpose of this information bulletin is to provide a comprehensive overview of our academic programmes and to invite students to explore their academic journey with us. At NDRI, our faculty members and researchers will act as SARATHI—mentors and co-passengers—in this journey, ensuring that every step becomes memorable, enriching, and creative.


(Ashish Kumar Singh)
Joint Director (Academic)

UNIVERSITY OFFICE

ICAR-National Dairy Research Institute

Karnal-132001

1.1 INTRODUCTION

The National Dairy Research Institute (Deemed University) is the premier organization that provides R&D support for Dairy Development program of the Nation. Over the years, it has gained prominence as the front ranking research organization on global basis. The Institute works in close liaison with various National and International developmental agencies. Scientific achievements, development of human resource at multi-tier level and infusion of science in various sectors of the dairy industry have been the Hallmarks of the Institute. The Institute catalyses close interaction among scientists, students, farmers and dairy industry for orchestrating dairy development process in a harmonious manner.

1.2 LOCATION AND CLIMATE

National Dairy Research Institute is located on the northern outskirts of Karnal city in Haryana, on the National Highway No. 1, about 125 kms from the National Capital, Delhi. It is well connected by road and rail being on the main trunk route connecting Delhi with Amritsar and Chandigarh. The elevation of Karnal is 250 meters above the sea level, latitude 29.43 and longitude 77. Minimum temperature falls to near freezing point in winter and maximum goes up to 45 °C in summer. The annual rainfall is about 70 cm.

1.3 HISTORICAL BACKGROUND

The Imperial Institute for Animal Husbandry and Dairying established in Bangalore in 1923 earmarks the genesis of this Institute. In 1936, it was expanded and renamed as Imperial Dairy Institute.

It was in 1955 that its Headquarters was shifted to Karnal at the location formerly called Central Cattle Breeding Farm. With a view to consolidate the impressive infrastructure already developed at Bangalore, the unit was reorganized to serve as the Southern Regional Station (SRS) of the Institute. In 1962 and 1964, two Regional Stations were established at Kalyani and Bombay, respectively, to serve as the Eastern and Western Regional Stations of the Institute (ERS and WRS). However, the WRS at Bombay was closed down in 1984. The SRS and ERS continue to provide region specific R&D support for dairy development in relation to the agro-climatic conditions that exist in those areas. In April, 1966, the Institute's management was weaned away from the Ministry of Agriculture and brought under the wings of the Indian Council of Agricultural Research (I.C.A.R.) with a view to provide greater operational autonomy in research management functions. In 1989, status of Deemed University was conferred to the Institute for further strengthening the academic programmes for human resource development.

1.4 MISSION, GOAL AND OBJECTIVES

1.4.1 Mission

The main mission of NDRI is to serve the cause of dairying by providing quality human resource, developing suitable technologies related to the production, processing and marketing of milk and milk products, and their dissemination to dairy industry, farming community and the nation.

1.4.2 Mandate

- To organize and conduct under-graduate and post-graduate programmes through various branches of dairy science.
- To undertake basic and applied research in the area of dairying
- To develop dairy farming systems for different agro-climatic conditions and demonstrate models for transfer of technology.
- To organize short-term specialized training programmes and vocational courses.
- To collaborate for Dairy Research and Development with National and International agencies
- To provide consultancy
- To act as a Referral Centre on Dairy Research.

1.4.3 Goals

The goal of the institute is to provide R&D support in generation and dissemination of knowledge towards improved milch herd for milk production enhancements, greater productivity of dairy industry and management aspects of dairy profession leading to social, economic and environmental benefits to the Nation, and to contribute towards needed human resource development. The goals and objectives with respect to Teaching, Research and Extension are as under:

- To make dairy education responsive to the growing and changing needs of the society in general, and aspirations of milk producing community in particular.
- To establish a dynamic system of dairy education to train highly skilled and competent human resource to address the challenging tasks with new emerging areas of research, extension and industrial development.
- To develop end use technologies to solve producers problems *vis-a-vis* dairy production, processing and management.
- To establish state-of-the-art infrastructure including well-equipped laboratories, extensive farm land and an operational research management system that will ensure quick, efficient and cost effective implementation of research programmes.
- To attract qualified and talented personnel to undertake research.

- To ensure that research findings and innovations after their proven demonstration are communicated to dairy farmers and other researchers and enable identification of problems through a positive feed-back.
- To ensure transfer of knowledge and technology to dairy farmers and industry on a wider scale by training grass root level workers and officers of the state departments.

1.4.4 Specific Objectives

- To provide an education system that is contemporary and meets needs of the changing dairy sector.
- To make dairy education responsive to the needs of dairy sector and widen the knowledge base by providing vocational training in dairy sciences to the rural youth from all strata of the farming community.
- To start courses of current and future relevance to build a strong academic foundation for the scientific and technical manpower generated by the university.
- To develop technology in a proactive manner that solves the immediate problems of the producers on priority and enhances the productivity of dairy sector, reduces the cost of production and increases production in a sustainable manner.
- To document problems that requires immediate attention and those that need long-term attention and address them in mission mode and strategic mode, respectively.
- To create the necessary infrastructure for carrying out research in the cutting edge of science and technology.
- To facilitate effective transfer of technology to the farmers/dairy industry in an effective manner.
- To educate producers, government officials and trainers on the new developments in the field of dairying for wider dissemination.
- To develop extension techniques that are best suited for the transfer of technology and overall development of farmers' knowledge base.
- To commission the services of experts to solve the insurmountable problems of the farmers/dairy industry from time to time.
- To put in place an effective feedback mechanism from the grassroots on the performance of technology released and on emerging problems for the benefit of researchers and teachers.
- To identify thrust areas of immediate relevance and for future and initiate work so that emerging problems can be spotted and research directed towards their solution.

1.5 MANAGEMENT OF ACADEMIC AFFAIRS

The academic component of the Institute is managed by the Joint Director (Academic) & Dean as the Head/Principal Executive of the University. He is supported by Registrar, Academic Coordinator and Controller of Examinations. The Director of the Institute is the Vice Chancellor of the NDRI Deemed University and is the executive head.

1.6 ACADEMIC PROGRAMMES

The Institute offers academic programmes in the field of Dairy Science, Animal Science and Social science

At present the following programme, are being offered:

1. B. Tech. (Dairy Technology)
2. B. Tech. (Biotechnology)
3. B. Tech. (Food Technology)
4. Master's Programme
5. Doctoral Programme

Commensurate with the potential requirement of the expanding Dairy Industry of the country, the Institute admits approximately 100 seats in B. Tech. (Dairy Technology, Biotechnology & Food Technology) programme and about 10-15 students in each of the 14 disciplines for Master Programmes and about 10-15 students in each of the 14 disciplines of Ph.D. programmes. The seat matrix for the current year is mentioned as Annexure-I.

1.6.1 B. Tech programme (Dairy Technology, Biotechnology & Food Technology)

The duration of the B. Tech. programme is four years. The 6th Dean committee is implemented for the UG programme as per National Education Policy (NEP)-2020 guidelines. One academic year consists of two Semesters. During seventh and eighth semester the students shall undergo In-plant Training on dairy plant operation and management at Model Dairy Plant located at Institute's premises for B. Tech. (DT) and in any of the commercial food/dairy plants as located in different parts of the country. The internship of 6 month duration is compulsory in all UG programme and respective Heads with the assistance of Training and Placement Cell arrange the Internship. The maximum duration for B. Tech programme is 7 years in all the subjects.

Eligibility for Admission to B.Tech. programme

- 1.6.1.1 The eligibility for admission is 10+2 or its equivalent examination with Physics, Chemistry, Mathematics or Physics, Chemistry, Biology and English from a Board/University recognized by the Institute. Only those candidates who have obtained at least 50% marks or equivalent G.P.A. in the aggregate are eligible for admission to B.Tech. programme. The requirement of marks in the case of candidates belonging to Scheduled Cast / Tribe and PH is 40% or equivalent GPA.

- 1.6.1.2 The candidate should have completed age of 16 years for the particular year of admission. No relaxation is admissible regarding the minimum age limit.

1.6.1.3 Entrance Examination

The admissions to B.Tech. programme are carried out through an All India Entrance Examination CUET (ICAR-UG) conducted by the NTA (National Testing Agency). The Ministry of Education, Government of India (GOI), has established the National Testing Agency (NTA) as an independent autonomous and self-sustained premier testing organization under Society Registration Act, 1860 for conducting efficient, transparent and international standards tests in order to assess the competency of candidates for admissions to premier higher education institutions. The candidates are selected for admission on the basis of the merit in the combined examination (CUET) and counselling conducted by the ICAR. The students willing to join ICAR-NDRI, Karnal have to opt the institute during the counselling process of CUET.

1.6.2 MASTERS PROGRAMME

Masters Degree is offered at the main campus at NDRI, Karnal and also at SRS, Bangalore and ERS Kalyani in the following 14 disciplines:

1. Dairy Microbiology;
2. Dairy Chemistry;
3. Dairy Technology;
4. Dairy Engineering;
5. Animal/Veterinary Biochemistry;
6. Animal Genetics and Breeding;
7. Livestock Production and Management;
8. Animal Nutrition;
9. Animal/Veterinary Physiology;
10. Agricultural/Livestock Economics;
11. Agricultural Extension Education
12. Animal/Veterinary Biotechnology.
13. Agronomy
14. Animal Reproduction, Gynaecology and Obstetrics

1.6.2.1 Age limit

The candidate should have completed age of 19 years in the particular year of admission. No relaxation is admissible regarding the minimum age limit.

1.6.2.2 Entrance Examination

The admissions to Master degree programme are done through an All India Entrance Examinations conducted by the NTA (National Testing Agency) under Ministry of Education, Government of India (GOI). The examination is held at various centers of the country in the month of May/June. The information for examination is advertised on NTA/ICAR website. The candidates are selected for admission on the basis of merit in the Entrance Examination and Counselling conducted by ICAR. Only students who meet the eligibility qualification as mentioned in ICAR information bulletin and cut-off date fixed by the Education Division ICAR can join the PG programme at the institute.

FOREIGN STUDENTS

Foreign students seeking admission at this Institute shall have to submit their applications through their respective Embassies at New Delhi or the respective Indian Missions in their countries to the Govt. of India, Department of Agricultural Research and Education, Krishi Bhavan, New Delhi-110001 and the candidature of foreign students shall be considered only if they are sponsored with financial support by (a) their respective Governments (b) the Governments of India.

The nominees of foreign countries should have the equivalent qualifications required for admission. In their cases, the percentage of marks will not be insisted. They should possess the requisite Bachelor's degree in the concerned discipline. A good knowledge of English is essential. A certificate of the candidate's proficiency in English, issued by the respective Indian Mission abroad, should accompany their application for admission. Further, the foreign students are required to be in possession of student visa.

All the foreign students other than those sponsored by the Government of India with suitable fellowship such as Colombo Plan ITEC program, General Cultural Scholarship and Cultural Technical Exchange will be charged Institutional Economic Fee @ US \$ 400 p.m. or US \$ 4000 per annum per student. This fee will be over and above other usual charges of the University.

Last date for receipt of application, results and mark sheet from the foreign applicants will be the same as prescribed for the applicants who are Indian citizens.

As per directive from the Govt. of India, Ministry of Health, New Delhi, health check for foreign students including that for AIDS has been introduced. It has been laid down that foreign students will subject themselves for health check within one month of arrival and till the results are known the students will be provisionally admitted. Their admission is to be confirmed on production of fitness certificate from the competent authority.

1.6.3 Ph.D. Programme

The Institute offers Ph.D. Programme at NDRI, Karnal and also at SRS, Bangalore/ERS Kalyani in the following 14 disciplines:

1. Dairy Microbiology
2. Dairy Chemistry
3. Dairy Technology
4. Dairy Engineering
5. Animal Biochemistry
6. Animal Genetics & Breeding
7. Livestock Production & Management
8. Animal Nutrition
9. Animal Physiology
10. Agricultural/ Livestock Economics
11. Agricultural Extension Education.
12. Animal Biotechnology
13. Agronomy
14. Animal Reproduction, Gynaecology and Obstetrics

1.6.3.1 Age Limit

The candidate should have completed age of 20 years of particular year of admission. There will be no maximum age limit for Doctoral Programme. No relaxation is admissible regarding the minimum age limit.

1.6.3.2 In-service candidates

1. The in-service candidates will qualify for admission only if they come in the overall merit list of their concerned Subject and produce the Sponsorship Certificate/Declaration by their employer for verification at the time of counselling.
2. The in-service candidates must be working in ICAR Institutes, ICAR-DUs, SAUs, CAUs, CUs having faculty of agriculture, Central Government/State Government Departments dealing in Agriculture and Allied Sectors and Public Sector Undertakings dealing with Agriculture and Allied Sectors.
3. At ICAR-IARI, New Delhi under (i) ICAR In-Service Scheme, and (ii) Faculty Upgradation Scheme, the Scientists working in ICAR Institutes and the Faculty Members of SAUs, respectively only are eligible for admission.
4. The in-service candidates qualifying for admission will arrange for study leave/leave of the kind due from their respective organizations themselves and NDRI/ICAR will not intervene in this regard.
5. In-service candidates must retain the computer generated hard copy of confirmation page of the application along with Sponsorship Certificate, in original, for showing to the

university officials in the event of their qualifying the examination and recommendation for admission to the concerned university.

6. In no case, the computer generated hard copy of confirmation page of the application and Sponsorship Certificate (Declaration by the employer) should be sent by the candidate either to NTA or ICAR.
7. The counselling of in-service candidates seeking admission on seats reserved for the purpose at ICAR-DUs (ICAR-IARI, ICAR-IVRI, ICAR-NDRI and ICAR-CIFE) will be done at respective ICAR- DU level only. Such candidates are, therefore advised to remain in touch with the respective ICAR-DU's website for further details such as no. of seats, eligibility requirements, counselling schedule, etc.
8. The in-service candidates shall be entitled to get Institute scholarship as per the rules laid down for in-service candidates.

The admission of in-service candidate will be decided on merit obtained in the entrance examination conducted by the ICAR. Vacant seats in one discipline may be transferred to other disciplines, without changing the total number of seats for in-service candidates. They should send their applications through proper channel **duly** completed and other required documents directly on or before the closing date and time notified by the Institute. Photo copy of the application shall not be accepted.

DURATION OF PROGRAMME

The minimum and maximum duration of residential requirements for Master's and Ph.D. Programmes are given below:-

PG Degree Programme	Minimum	Maximum
Master's Degree	2 Academic years (4 th Sem.)	5 Academic Years (10 Sem.) 6 Academic years who are admitted with three years bachelor degree
Ph.D.	3 Academic Years (6 Sem.)	7 Academic Years (14 Sem.) 8 years who are admitted with three year bachelor degree

CAREER GUIDANCE, TRAINING AND PLACEMENT CELL

The Placement Cell provides career guidance, training, and placement services to final-year students across various disciplines of the Deemed University. Students of **B.Tech. (Dairy Technology)** and **Master in Dairying** are offered employment opportunities in reputed organizations through campus interviews. Graduates of NDRI secure positions in the dairy and food industry, including government, cooperative, and multinational sectors. The average monthly salary for graduates ranges from ₹40,000 to ₹1,00,000. In addition to employment, a considerable number of students pursue higher studies in India and abroad.

Major functions of the Placement Cell include:

- Providing career counselling to undergraduate and postgraduate students.
- Compiling a directory of corporate and academic organizations, both national and international, engaged in dairying and food processing.
- Preparing a compendium of resumes of final-year students to facilitate placements and screenings with prospective employers.
- Developing mechanisms for placing graduate and postgraduate students from various disciplines by organizing campus interviews.
- Conducting seminars, workshops, and presentations to maintain close liaison between students and the industry.

The Placement Cell also organizes skill development programmes aimed at enhancing students' professional and personal competencies. In addition, it arranges a mentor-mentee programme, wherein alumni and industry professionals guide graduate and postgraduate students in planning their career paths. A significant number of students choose management as a career option. The institute provides a supportive and conducive environment to help all students develop and achieve their career goals.

Hostels and Accommodation Facilities

ICAR-NDRI has adequate infrastructure for the accommodation of admitted students. There are eight hostels in all, two for girl students and four for boys. One each for International students and married scholars. All of the hostels provide facilities well-ventilated rooms as well as well-equipped bathrooms with geysers. Each hostel has its own dining hall and sanitary kitchens for students' dining. Water coolers are installed in each wing of the hostel to provide clean water to the students. Cleaning staff assigned to the hostels aid in maintaining the basic hygiene conditions. Besides these, reading rooms, TV rooms and sports room are also available for entertainment and fitness of the students. Indoor sports facilities (such as badminton courts) have also been provided within the hostel premises. Two more hostels are under construction. Institute encourages students to stay in hostel. The mess is run by the students only on cooperative mode and each student has to bear the management responsibility of the hostel mess. The whole campus is WiFi and student can access internet throughout the campus. Institute has one Students' cafeteria which serves various hygienic food items as per the needs of the students. Parents are provided accommodation within the institute's premises in Kalki Bhawan and Scientist home on prior request. A market is also located within the institute campus to procure the items of dairy need.

Sports Infrastructure

Institute has excellent infrastructure for the sports related activities including Indoor Hall named as Kalki Bhawan and Outdoor Sports Complex. Indoor Sports Complex (Kalki Bhawan) consists of 1500 sq ft. area (100'X150') with three washrooms, urinals and two

separate changing rooms, each for girls and boys. Another room for the storage of sports related items and equipment is also available. Kalki Bhawan is well equipped with lights & fans all around and enables students and staff members of NDRI to play during late hours. Facility of sauna bath, steaming room and wash room is also available for staff and students. Kalki Bhawan is equipped with state-of-art Indoor gym with all required equipment. There are five badminton courts with synthetic flooring and three Table tennis tables of modern configuration. The facility is accessible to students on weekdays from morning to late evening.

Outdoor Sports Complex is in 11 acres of area with the stadium shed having the seating capacity of 250 persons in the form of stairs. The building includes two office rooms, two washrooms for ladies and gents and two storage rooms for keeping sports equipment. The sports complex with Six High Mast Lights all around enables students and staff members of NDRI to play during late hours. The sports ground consists of two cricket pitches of standard dimensions, one football ground, one outdoor lawn tennis courts; two basketball court (one synthetic), two volleyball courts and tracks and field for the organization of Track & Field events. Physical Education classes are held for B.Tech. M. Tech/M.Sc./M.V.Sc and Ph.D. students throughout the academic year. The university is unique as it offers a non-credit course on Physical Education for the students. Besides theory sessions, students are mentored for yoga, sports and exercises. NSS and NCC courses are offered to Under Graduate students as compulsory course. NCC unit of ICAR-NDRI, Karnal is affiliated with the 7 Haryana Battalion and qualified students get B & C certificates.

FEES

The fees will be charged as prescribed by the University/ICAR and will be paid on the due date in each semester. Fees cannot be adjusted against stipends/scholarship. Non receipt of scholarship, etc. will not be considered as a valid reason for late payment of fees. Fees and annual fees once paid will not be refunded to the students leaving the course for any reason what-so-ever.

Programme	Every year Sem. wise	Tuition Fee+ Exam. Fee	Hostel Charges	Other charges (Per annum)	Other charges (One Time)	Caution Money/ Security (Refundable) at the time of Regn.	Total
UG	1 st	6000+1000	5000	4500	3100	10000	29600
	2 nd	6000+1000	5000	-	-	-	12000
PG	1 st	7500+1000	10000	4500	5100	10000	38100
	2 nd	7500+1000	10000	-	-	-	18500
Ph.D.	1 st	10000+1000	10000	4500	9100	10000	44600
	2 nd	10000+1000	10000	-	-	-	21000

#Note:- Married Hostel Charges : 30000/- per annum

International Hostel Charges : 50,000/- annum

SCHOLARSHIP AND FELLOWSHIPS

Masters in Dairying and Ph.D. students are awarded Institute scholarship at the following rates in accordance with the prescribed rules and regulations of ICAR.

Institute Scholarships

1. Master's degree	:	Rs. 7560/- P.M. for two years plus Rs. 6000/- per annum as contingency
2. Ph.D.	:	Rs.25,000/- P.M. for first two years, Rs.28000/- during third year and Rs. 10,000/- per annum as contingency.
3. Ph.D. (In-service)	:	Rs. 3000/- P.M. for three years and Rs. 10000/- per annum as contingency

ICAR Junior Research Fellowship & Senior Research Fellowship

1. Master's	:	Rs. 12,640/- P.M. (For veterinarians) for two years and Rs. 6000/- per annum as contingency
2. Ph.D.	:	Rs. 37,000/- P.M. for first two years, Rs.42000/- during third year and Rs. 10,000/- per annum as contingency.

NATIONAL TALENT SCHOLARSHIP

The National Talent Scholarship (NTS) @ Rs.3000/- per month is awarded by ICAR to UG students on merit provided that the university/institute is located outside the state of his/her domicile.

ELIGIBILITY CRITERIA AND QUALIFICATION

Eligibility Qualifications for admission to different subjects in UG:

Degree Programme	Essential subject eligibility (12 th standard) of the program in the University	Total number of seats	Any other special condition for the program/ Remarks
B.Tech Dairy Technology	Physics, Chemistry, Mathematics (PCM) / Physics, Chemistry, Biology (PCB)	65	Number of seats at NDRI, Karnal 40 Number of seats at SRS, Bangalore 25
B. Tech. Food Technology	Physics, Chemistry, Mathematics (PCM) / Physics, Chemistry, Biology (PCB)	25	
B. Tech. Biotechnology	Physics, Chemistry, Mathematics (PCM) / Physics, Chemistry, Biology (PCB)	25	

Eligibility Qualifications for admission to different subjects in PG;

Subject/Discipline	Eligibility Qualifications (4/5/6 years Bachelor's degree in)	Alternate Eligibility qualifications	Total no. of seats	Remarks
5-AGRONOMY				
5.1 Agronomy	B.Sc Ag. Or B.Sc. (Hons) Agriculture	B.Sc (Ag.)/B.Sc. (Ag.) Hons/B.Sc. (Ag. & AH)	6	
6-SOCIAL SCIENCES				
6.1 Agricultural Economics	B.Sc. Agriculture/ Horticulture / Agril. Marketing and Co-operation / Forestry or B.Sc. (Hons.) Agriculture /Horticulture / Agril. Marketing and Co-operation/ Forestry.		10	For research work, students may have to go to regional stations or other Institutes
6.2 Agricultural Extension Education	B.Sc. Agriculture / Horticulture / Forestry / Sericulture/ B.Sc. (Hons.) Agriculture/ Horticulture / Forestry / Sericulture / B.Sc. Agril. Marketing & Co- operation/ B.Sc.(Hons.) Agril. Marketing & Co-operation		12	For research work, students may have to go to regional stations or other Institutes
12-ANIMAL BIOTECHNOLOGY				
12.1 Veterinary Biotechnology	B.V.Sc. & A.H.		15	For research work, students may have to go to regional stations or other Institutes
12.2 Veterinary Biochemistry	B.V.Sc. & A.H.		12	

13-VETERINARY SCIENCE

13.2 Animal Reproduction Gynaecology and Obstetrics	B.V.Sc.&A.H.		9	For research work, students may have to go to regional stations or other Institutes
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14-ANIMAL SCIENCES

14.1 Animal Genetics and Breeding	B.V.Sc.&A.H.	B.V.Sc.&AH/ B.Sc. Dairying/ B.Sc. (Dairying & AH)/ B.Sc. (Anim. Sci.)/ B.Sc. (Ag. & AH)/B.Sc. (Genetics)/B.Sc. (Biotech.) /B.Sc. (10+2+3 system)	16	For research work, students may have to go to regional stations or other Institutes
14.2 Animal Nutrition	B.V.Sc.&A.H.	B.V.Sc. & AH/B.Sc. (Ag. & AH)/B.Sc. (10+2+3 system).	12	For research work, students may have to go to regional stations or other Institutes
14.3 Vety. Physiology	B.V.Sc.&A.H.		8	For research work, students may have to go to regional stations or other Institutes
14.4 Livestock Production & Management	B.V.Sc.&A.H.	B.V.Sc. & AH/ B.Sc. Dairying/ B.Sc. (Animal Sciences)/ B.Sc. (Ag. & AH).	10	For research work, students may have to go to regional stations or other Institutes

16-DAIRY SCIENCE

16.1 Dairy Microbiology	B.Sc. Dairying (DT/DH)/B.Sc. (DT)/B.Tech. (DT)	B.Sc. Dairying/ B.Sc. Dairying (Dairy Tech.)/ B.Tech (Dairy Tech./ Biotech.) / B.V.Sc. & AH/	11	For research work, students may have to go to regional stations or other Institutes
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B.Sc. (Hons) Microbiology/ B.Sc. Food Tech., Food Sci./ Biotech. / Food Sci. & Tech./ Industrial Microbiology / Medical Microbiology / Microbial & Food Tech./ B.Sc. with Microbiology / Industrial Microbiology. B.Sc. (10+2+3 system)

16.2 Dairy Chemistry	B.Sc. Dairying (DT/DH)/B.Sc. (DT)/B.Tech.(DT)	B.Sc. Dairying/B.Sc. Dairying (DT) / B. Tech. (DT)/ B. Tech./ B.Sc. (Food Technology/ Food Sci./Food Sci. & Technology)/Food Technology Mgmt./ B.V.Sc. & A.H/ B.Sc. Hons. (Chemistry). B.Sc. (10+2+3 system).	10	For research work, students may have to go to regional stations or other Institutes
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17-DAIRY TECHNOLOGY

17.1 Dairy Technology	B.Sc. Dairying/B. Tech. Dairy Technology	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B.Tech. (DT)/B.Sc. Food Tech. / B.Tech. Food Tech. (4 years degree)/B.Sc. (Microbial & Food Tech.) – 4 years degree.	20	For research work, students may have to go to regional stations or other Institutes
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17.2 Dairy Engineering	B.E./B.Tech. (Dairy Engineering). B.Tech (DT)	B.Sc. Dairying/ B.Sc. Dairying (DT)/ B.Tech. (DT)/B.Sc. Food Tech. / B.Tech. Food Tech. (4 years degree)/ B.Tech. Agril. Engg./ B.Sc. (Microbial & Food Tech.) - 4 years degree.	12	For research work, students may have to go to regional stations or other Institutes
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Eligibility qualifications at Master's level for Ph.D. admission and award of JRF/SRF (PhD) in different Subjects/disciplines

Subject of specialization	Eligibility qualifications (Master's Degree in)	Additional Eligibility Qualification at Bachelor's level	ICAR quota seats + EWS seats	Remarks
17. Animal Genetics & Breeding	Veterinary Science with specialization in Animal Genetics and Breeding.		14	For research work, students may have to go to regional stations or other Institutes
18. Animal Nutrition	Veterinary Science with specialization in Animal Nutrition		10	For research work, students may have to go to regional stations or other Institutes
19. Livestock Production & Management	Veterinary Science with specialization in Livestock Production & Management. For NDRI Karnal only: M.Sc. (Dairying) Livestock Production & Management/ Animal Genetics & Breeding/ Animal Nutrition/ Animal Physiology/M.V.Sc. Livestock Production & Management/ M.V.Sc. Livestock Production Management/		10	For research work, students may have to go to regional stations or other Institutes

	M.Sc. Livestock Production Management/ M.V.Sc. Animal Sciences / Animal Production / M.Sc.(Ag.) Animal Husbandry / M.Sc. (Ag.) Animal Husbandry & Dairying			
28. Animal Reproduction, Gynaecology & Obstetrics	Veterinary Science with specialization in Vety. Gynaecology & Obstetrics / Animal Reproduction, Gynaecology & Obstetrics	7		For research work, students may have to go to regional stations or other Institutes
31. Veterinary Physiology	Veterinary Science with specialization in Veterinary Physiology.	5		For research work, students may have to go to regional stations or other Institutes
32. Veterinary Biochemistry	Veterinary Sciences with specialization in Vety. Biochemistry	12		For research work, students may have to go to regional stations or other Institutes
33. Veterinary Biotechnology	Veterinary Sciences with specialization in Animal Biotechnology.	15		For research work, students may have to go to regional stations or other Institutes
34. Dairy Chemistry	For SAUs/CAUs, etc. Dairy Chemistry / Veterinary / Animal Sciences with specialization in Dairy Chemistry For NDRI only Dairy Chemistry/ Veterinary / Animal Sciences with specialization in Livestock Products Technology / Chemistry.	B.Sc. (10+2+3 system)	10	For research work, students may have to go to regional stations or other Institutes

36. Dairy Microbiology	For SAUs/CAUs, etc. Dairy Microbiology / Veterinary/Animal Sciences with specialization in Dairy Microbiology. For NDRI only Dairy Microbiology/ Veterinary / Animal Sciences with specialization in Dairying / Microbiology / Biotechnology / Medical Microbiology / Industrial Microbiology/ Food Safety and Quality Assurance.	B.Sc. (10+2+3 system)	8	For research work, students may have to go to regional stations or other Institutes
37. Dairy Technology	Dairy Technology/Dairy Engg. /Livestock Products Technology / Food Technology with specialization in Dairy Technology. Candidates must have 4 years B. Tech. degree.		15	For research work, students may have to go to regional stations or other Institutes
38. Dairy Engineering	M. Tech./M.E. (Dairy Engineering/ Dairy Technology / Agriculture Process & Food Engineering/ Chemical Engineering/ Dairy& Food Engineering/ Electrical Engineering/ Mechanical Engineering/Electronics and Communication Engg./ Post-Harvest Process & Food Engineering/ Food Technology.) Candidates must have 4 years B. Tech./ B.E. degree		7	For research work, students may have to go to regional stations or other Institutes
62. Agronomy	Agriculture with specialization in Agronomy / Soil Water Management / Forage Production / Water Science & Tech		6	For research work, students may have to go to regional stations or other Institutes

65. Agricultural Economics	Agricultural Economics/ Dairy/Animal Husbandry Economics/ Veterinary Economics	7	For research work, students may have to go to regional stations or other Institutes
67. Agricultural Extension Education	Agricultural Extension/ Extension Education/ Communication/ Veterinary Extension/Dairy Extension	10	For research work, students may have to go to regional stations or other Institutes

Admission Procedure (2025-26)

ICAR–National Dairy Research Institute, Karnal – 132001

For UG Programme

Admission to the UG programme (B.Tech. in Dairy Technology, Food Technology & Biotechnology) is through the **Common University Entrance Test (CUET)** conducted by the National Testing Agency (NTA), New Delhi. All candidates seeking admission must appear in the written examination.

For more information related to admission, please visit the Education Division, ICAR, New Delhi website: www.icar.org.in.

Students with **Physics–Chemistry–Biology (PCB)** or **Physics–Chemistry–Mathematics (PCM)** subjects are eligible to apply. Interested students must submit their willingness/choice through online counselling. On the basis of merit and after online counselling, ICAR finalizes the students for the UG degree programme at **ICAR–NDRI (Deemed University), Karnal** in B.Tech. (Dairy Technology, Food Technology & Biotechnology).

- Candidates should have passed/appeared in the 10+2 examination after 12 years of study from any recognized Board in India (except diploma or vocational courses) with not less than **50% aggregate marks** for General, OBC (NCL), UPS, EWS categories and **40% aggregate marks** for SC, ST, Third Gender, and PwBD categories.
- Candidates should have studied and passed the subject combination (e.g., PCM, PCB) opted for the entrance examination during their 12th Standard. Further, candidate will not be allowed to appear in subject combination different than the one which he/she studied and passed in his/her 12th Standard.
- Indian Nationals of at least **16 years of age** as on the date of the CUET examination are eligible to apply. No relaxation is admissible regarding the minimum age limit.
- For complete details, please see the **ICAR Information Bulletin (UG) 2025-26** available at <https://icar.org.in>.

The Education Division of ICAR will shortly notify the counselling procedure. Students are advised to regularly visit www.icar.org.in for updates.

For Master's Programme

Admission to Master's degree programmes offered by ICAR–NDRI, Karnal is through the **All India Entrance Examination (PG)** conducted by the Education Division, ICAR, through the National Testing Agency (NTA), New Delhi. All candidates, including sponsored (in-service) candidates, must appear in the written examination.

For more information related to the competitive examination/admission, please visit: www.icar.org.in

On the basis of merit and after online counselling, ICAR finalizes the students for the Master's degree programme at ICAR–NDRI (Deemed University), Karnal in **14 disciplines**.

For more details regarding disciplines and eligibility criteria, please visit: www.icar.org.in

For Doctoral Programme (Ph.D.)

Admission to Ph.D. programmes and award of ICAR JRF/SRF (Ph.D.) is through the **All India Competitive Examination** conducted by the Education Division, ICAR, through the National Testing Agency (NTA), New Delhi. All candidates, including sponsored (in-service) candidates, must appear in the written examination.

For more information related to the competitive examination/admission, please visit: www.icar.org.in

On the basis of merit and after counselling, ICAR finalizes the students for the Doctoral Programme (Ph.D.) at ICAR–NDRI (Deemed University), Karnal in **14 disciplines**.

Important Note

- The Education Division of ICAR will shortly notify the counselling procedure.
- Students are advised to regularly visit www.icar.org.in for updates.
- For queries, students may contact the Institute at **0184-2259008** (9:00 AM to 5:30 PM) or preferably send their queries by email to: **academiccoordinator1.ndri@gmail.com**

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Fostering Excellence: Academic Activities at ICAR-NDRI







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